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**DECEMBER**

**Solar Installations, Projects**

**Carmanah PV Project 12-30-05**

Exhibition Palace in Ontario has reached an agreement with Carmanah Technologies to build and operate a 100-kW solar electricity system on the roof of the historic Horse Palace. Story at:  
<[http://www.thestar.com/NASApp/cs/ContentServer?pagename=thestar/Layout/Article\\_Type1&c=Article&cid=1135119017491&call\\_pageid=968350072197&col=969048863851](http://www.thestar.com/NASApp/cs/ContentServer?pagename=thestar/Layout/Article_Type1&c=Article&cid=1135119017491&call_pageid=968350072197&col=969048863851)>  
Carmanah: <<http://www.carmanah.com/>>

**DTI Green Energy Projects, UK 12-30-05**

The Department of Trade and Industry selected 10 of the best green energy projects that began generating electricity in 2005. See the list, including solar, at:  
<<http://www.azom.com/details.asp?newsID=4642>>  
DTI: <<http://www.dti.gov.uk/>>

**San Diego Gas & Electric and Stirling Energy 12-21-05**

San Diego Gas & Electric Company said that the California Public Utilities Commission has approved its contracts to purchase 300 MW of solar thermal electric power, with the potential to grow to 900 MW within 10 years. SDG&E will purchase the solar energy from Arizona-based Stirling Energy Systems. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR594.htm>>  
Stirling Energy Systems: <<http://www.stirlingenergy.com/>>  
SDG&E Press:  
<[http://public.sempra.com/newsreleases/viewpr.cfm?PR\\_ID=1941&Co\\_Short\\_Nm=SDGE](http://public.sempra.com/newsreleases/viewpr.cfm?PR_ID=1941&Co_Short_Nm=SDGE)>

**WorldWater & Power Contract 12-21-05**

WorldWater & Power Corp. announced that it has signed a \$1,145,800 contract to build and install a solar electric power generation system for Quality Embroidery in Los Angeles, California. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7888544&ResultCategoryType=2,7&NewsPageID=3>>  
WorldWater & Power:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eworldwater%2Ecom&template=2,2>>

**Barnabus Energy Project, California 12-21-05**

Barnabus Energy, Inc. announced that its California-based subsidiary, Connect Energy Inc., has been contracted by the California Academy of Science to develop and install what is slated to be the largest PV glass canopy in the country. Story at:  
<[http://www.huginonline.com/plsql/try/pressreleases.queryview?P\\_IDENTIFIER=1026883&Z\\_CHK=32060&p\\_la=5&p\\_web=5](http://www.huginonline.com/plsql/try/pressreleases.queryview?P_IDENTIFIER=1026883&Z_CHK=32060&p_la=5&p_web=5)>  
Barnabus Energy: <<http://www.barnabusenergy.com/>>  
Connect Energy: <<http://www.connectenergy.org/>>

**ATERSA Modules in Spain 12-20-05**

ATERSA is supplying solar modules to a large PV project in Seville, Spain headed by Solucar Energia S.A. The PV system includes double concentration solar cells and 2-axis solar tracking. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR251.htm>>  
ATERSA: <<http://www.atersa.com/>>

**Nevada Solar One 12-19-05**

Solargenix Energy said it will break ground on its 64-MW solar power plant dubbed Nevada Solar One. Story at: <<http://www.lasvegassun.com/sunbin/stories/business/2005/dec/17/519834817.html>>  
<<http://www.solargenix.com/>>

**Solar in Angola 12-19-05**

The Angolan government unveiled a scheme to supply solar energy to rural populations over the coming 15 years. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7862253&ResultCategoryType=2,7&NewsPageID=3>>

**Paradise Valley Solar, Arizona 12-19-05**

Paradise Valley officials are studying the cost savings and energy conservation benefits of installing solar power at Town Hall. Press at:  
<<http://www.azcentral.com/community/scottsdale/articles/1219sr-pvsolar1978.html>>

**WorldWater & Power / Conti Corp. Joint Venture 12-19-05**

WorldWater & Power Corp and its joint venture partner, Conti Corp., have completed the first phase of a 500 kW solar energy system for the Atlantic County Utility Authority, New Jersey. News release and photo at: <<http://www.primezone.com/newsroom/prs/?pkgid=2189>>  
WorldWater & Power: <<http://www.worldwater.com/>>  
Conti Corp: <<http://www.conti-corp.com/>>

**Sustainable Energy Installations in UK [PV-UK] 12-16-05**

Sustainable Energy Installations has completed the largest grouped domestic PV installation in the UK. The installation at the Fernside Estate in Almondsbury, Huddersfield, comprises 100 separate PV systems on social housing properties. Story at PV-UK:  
<http://www.greenenergy.org.uk/pvuk/news/articles.asp?id=996>  
PV-Web: <<http://www.greenenergy.org.uk/pvuk2/about/index.html>>  
<<http://www.pv-uk.org.uk>>  
Sustainable Energy Installations: <<http://www.sei-energy.co.uk/>>

**Joint Solar-power Project 12-15-05**

A solar energy project among Israel, Jordan, Egypt and the Palestinian Authority has been proposed before a joint Israeli-European Union forum. Story at:  
<<http://www.haaretz.com/hasen/spages/658084.html>>

**More on New Jersey Meadowlands Solar Project 12-15-05**

The New Jersey Meadowlands Commission approved a study that could establish a 5-MW PV project in the Meadowlands District. More on this story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=40602>>

**Solar in Loma Linda, California 12-15-05**

Plans are moving ahead to install solar panels around the public buildings in Loma Linda, California. The startup cost of the project is about \$2.1 million. Story at:  
<[http://www.sbsun.com/news/ci\\_3306733](http://www.sbsun.com/news/ci_3306733)>

**Landmark Solar, Arizona 12-15-05**

John Wesley Miller, the new owner of the old McLellan building, is planning to convert the landmark to solar power. Story at: <<http://www.kold.com/Global/story.asp?S=4246180&nav=14RT>>

**Solar-Wind Power Plant, India 12-14-05**

Union Agriculture Minister Sharad Pawar laid the foundation stone of Singapore-based MSC Power Corporation's solar-wind power plant at Alandi. The 5-MW demo plant is likely to be operational by next May. Story at: <<http://cities.expressindia.com/fullstory.php?newsid=161276>>

**More on Clarion University Solar, Pennsylvania 12-14-05**

The Department of Environmental Protection awarded Clarion a \$212,000 Energy Harvest Grant to construct a building-integrated solar PV array into the roof of Clarion University's new Science and Technology Center. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=40531>>

Clarion University: <<http://www.clarion.edu/departments/phys/sustainability/>>

**Meadowlands 5-MW PV Project 12-14-05**

The New Jersey Meadowlands Commission has approved a study that could establish a 5-MW solar energy farm across the 32-square mile Meadowlands District. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR591.htm>>

New Jersey Meadowlands Commission: <<http://www.meadowlands.state.nj.us/>>

**Sino-US Solar Energy Project 12-13-05**

Per this press through Solarbuzz <<http://www.solarbuzz.com/index.asp>>, the Chongqing Municipal Construction Investment Company, the Chongqing Public Communication Group Company, and the Chongqing Duanshi Group Company have recently signed an agreement with ECD on starting a solar energy project to be built in Chongqing's New and Hi-tech Zone. Press at:

<<http://au.biz.yahoo.com/051213/17/f5iw.html>>

**Paloma Winery Solar, California 12-13-05**

Paloma Winery completed installation of an 18-kW solar electric system from Akeena Solar. Stories and photo at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR590.htm>> and RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/market/business/viewstory?id=40453>>

Akeena: <<http://www.akeena.net/>>

**Dawn Solar System in New Jersey 12-12-05**

BASF announced "The Paterson Near Zero Energy Home, set for completion in early 2006, is part of the BASF's Better Home, Better Planet initiative. See the story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/market/business/viewstory?id=40346>>

Dawn Solar Systems, Inc.: <<http://www.dawnsolar.com/>>

BASF: [http://www.basf.com/businesses/plasticportal/PH\\_Main\\_Paterson.htm](http://www.basf.com/businesses/plasticportal/PH_Main_Paterson.htm)

**Solar-Wind Hybrid System, New Jersey [Jason Brown] 12-12-05**

Atlantic County's wastewater treatment plant will be powered by a system that combines solar energy arrays with a wind farm. The new 8-MW power plant will be dedicated today by the Atlantic County Utilities Authority. "This is a considerable achievement for the people of New Jersey", said Kurt Conti, CEO of Alternity Power, the project's solar engineering and construction firm. The solar energy system portion of the hybrid solar-wind power plant consists of 2 rooftop PV arrays, one carport mounted PV array, and 2 PV arrays on the ground - 2,700 modules in all.

Stories at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR589.htm>> and

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aObqyCD55eOa?id=40407>>

Alternity Power: <<http://www.alternitypower.com/>>

**Solar at Funeral Homes, New York 12-8-05**

Moloney Family Funeral Homes is shifting to solar power at all 5 of its facilities. Story at:

<[http://www.libn.com/breakingNews\\_detail.cfm?id=4284](http://www.libn.com/breakingNews_detail.cfm?id=4284)>

**Solar in Greece 12-8-05**

Greece's two most senior political figures will install solar panels on their official residences. Press through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at:

<[http://www.ekathimerini.com/4dcgi/w\\_articles\\_politics\\_100019\\_07/12/2005\\_63839](http://www.ekathimerini.com/4dcgi/w_articles_politics_100019_07/12/2005_63839)>

<<http://uk.news.yahoo.com/29112005/323/greek-pm-s-residence-solar-cells-greenpeace.html>>  
Greenpeace: <<http://www.greenpeace.org/international/news/global-warming-global-action-111>>

### **Evergreen Solar Power 12-8-05**

A 100-kW PV system at BJ's Wholesale Club in Saratoga, New York, using modules manufactured by Evergreen Solar, was unveiled to the public at a recent store event. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=40263>>

Evergreen Solar: <<http://www.evergreensolar.com/>>

Conservation Services Group: <[http://www.csggrp.com/services/serv\\_home.html](http://www.csggrp.com/services/serv_home.html)>

### **Barnabus Shipment 12-8-05**

Barnabus Energy, Inc. affiliate Connect Energy Inc. has shipped its first 30 kW roof tile solar PV system to a joint construction project undertaken by University of California, Davis and Sierra Nevada College. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7807143&ResultCategoryType=2,7&NewsPageID=3>>

Barnabus Energy:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Ebnabusenergy%2Ecom&template=2,2>>

Connect Energy: <<http://www.connectenergy.org/>>

### **Solar for Schools 12-7-05**

For the latest from the Bonneville Environmental Foundation on the Solar 4R Schools project, see the website at: <<http://www.b-e-f.org/grants/IdahoGuide.shtm>>

The Missouri Department of Natural Resources announced that Smith-Hale Middle School will be the first Kansas-City area school to join the department's Missouri Schools Going Solar program.

Press at: <<http://www.infozine.com/news/stories/op/storiesView/sid/11785/>>

Missouri Department of Natural Resources: <<http://www.dnr.mo.gov/index.html>>

Notre Dame Regional High School in Missouri recently received notice it will be awarded a \$2,500 matching grant from the Missouri Department of Natural Resources to put solar panels in the school as part of the Missouri Schools Going Solar program. Press at:

<<http://www.semmissourian.com/story/1129123.html>>

A state grant will help Clarion University, Pennsylvania, with its plan to build a PV array on the roof of the new science center. Story at: <<http://www.thederrick.com/stories/12072005-3012.shtm>>

### **IBERINCO Solar Systems, Spain 12-5-05**

IBERINCO has started up two new solar facilities in Jaen and Madrid, with an aggregate capacity of 133.5 kW. More on IBERINCO's PV projects at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR249.htm>>

IBERINCO: <<http://www.iberinco.com/ibco/>>

### **United Solar Ovonic Agreement 12-5-05**

United Solar Ovonic LLC announced that it has signed an agreement with Actus Lend Lease to supply 7 MW of PV products. The agreement will supply solar panels to power new Army homes on the Island of Oahu, Hawaii. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR586.htm>>

Uni-Solar: <<http://www.uni-solar.com/>>

Actus Lend Lease: <<http://www.actuslendlease.com/>>

### **Public Works Solar Project, California 12-2-05**

Ventura Mayor Brian Brennan and other dignitaries officially inaugurated the City's new solar electric system at the Department of Public Works Maintenance Yard. The 123-kW system was provided by PowerLight. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR585.htm>> and

RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/news/story?id=40009>>

PowerLight: <<http://www.powerlight.com/>>

## Technology Applications

### **More on Solar for Hurricane Victims 12-21-05**

The donation and implementation of a solar-powered mobile water pumping and purification unit to residents of Waveland, Mississippi by WorldWater & Power Corp. and NAI Global, Inc. was featured in a story at MSNBC.com. For more on this story see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=40774>>

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=40776>>

WorldWater & Power: <<http://www.worldwater.com/>>

NAI Global: <<http://www.naidirect.com/>>

### **Electrochromic Windows on 787's 12-16-05**

PPG Aerospace has been awarded a contract by the Boeing Company to supply electronically dimmable systems for the windows of the 787's passenger compartment. Under a separate, related agreement, PPG Aerospace and Gentex Corporation will work together to produce the variably dimmable electrochromic cabin window systems for the Boeing 787.

PPG Aerospace: <<http://corporate.ppg.com/PPG/Aerospace/default.htm>>

Gentex Corporation: <<http://www.gentex.com/>>

### **Technology for Hurricane Victims 12-15-05**

The donation and implementation of a solar-powered mobile water pumping and purification unit to residents in Mississippi by WorldWater & Power Corp. and NAI Global, Inc. is featured in a story in MSNBC.com's "Rising from Ruin," a series of articles focusing on towns that were impacted by Hurricane Katrina. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1DF913E4-09B3-42B1-AFDF-9B51B467FD29%7d&siteid=mktw&dist=nbk&symp=>>>

See "Rising from Ruin", with photo of PV system at:

<<http://risingfromruin.msnbc.com/2005/11/sunbathing%5ffor%5f.html>>

WorldWater and Power: <<http://www.worldwater.com/>>

NAI Global™: <<http://www.naiglobal.com/>>

### **Solar Powered Data Center 12-14-05**

A California-based hosting data center is now completely green. Phil Nail, the company's data center manager and co-founder switched over to solar power in 2001. For more on this story, see:

<[http://searchdatacenter.techtarget.com/originalContent/0,289142,sid80\\_gci1151780,00.html](http://searchdatacenter.techtarget.com/originalContent/0,289142,sid80_gci1151780,00.html)>

### **PV Solar Powered Charger 12-13-05**

Universal Communication Systems, Inc. subsidiary Solar Style, Inc. announced that the company has developed a new PV Solar Power Charger, The Power Rack, for a wide variety of consumer electronic devices with power requirements ranging from 3.5 to 24 volts. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7D2CB952-77FB-462E-97F0-1B3005B9DA07%7d&siteid=mktw&dist=nbk&symp=>>>

Solar Style: <<http://www.solarstyle.com/>>

Universal Communication Systems, Inc.: <<http://www.ucsy.com/>>

### **Solar Power for Mars Rovers 12-9-05**

For the article "Chart Shows Variation in Solar Power Available for the Mars Rovers", see SpaceDaily at: <<http://www.spacedaily.com/news/mars-mers-05zzzzzj.html>>

See the charts on effects of dust on the panels, including effects of occasional wind events that clear significant amounts of dust from the panels.

### **Solar Lights in Nepal 12-9-05**

The Center for Renewable Energy has introduced a solar-based household lighting campaign in rural villages of Nepal. The lights come with rechargeable nickel hydride batteries, a 3-W solar panel, and a 3-V accessory to connect to an AM/FM radio. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=40172>>

Center for Renewable Energy: <<http://www.crenepal.org.np/>>

### **Solar Charger 12-8-05**

For an article on the Soldius 1 Universal Solar Charger, see:

<<http://www.seacoastonline.com/news/12082005/business/76971.htm>>

Soldius: <<http://www.soldius.com/>>

Mysoldius: <<http://www.mysoldius.com/>>

### **Solar Panels for Hybrid Cars 12-7-05**

Solatec LLC introduced flexible, rooftop-mounted solar panels for hybrid vehicles, starting with a kit for the 2004-2006 Toyota Prius. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE010EBCC-0501-497C-85E1-900B2CA70223%7d&siteid=mktw&dist=nbk&symb=>>>

Solatec: <<http://www.solatec.com/>>

### **Solar Hydrogen Production, Saskatchewan, Canada 12-7-05**

The City of Regina's city council unanimously approved deployment of a SHEC labs solar hydrogen production station for the city's Fleet Street Landfill. Story at:

<[http://news.yahoo.com/s/prweb/20051207/bs\\_prweb/prweb319465\\_1](http://news.yahoo.com/s/prweb/20051207/bs_prweb/prweb319465_1)>

SHEC labs: <<http://www.shec-labs.com/>>

### **Translucent Roof 12-6-05**

Per this press, a translucent patent-pending roofing structure allows natural, filtered daylight to penetrate living areas without energy loss and higher heating and cooling costs associated with ordinary glass roofing inserts. For more on Centerpoint's roofing system, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/productstory;jsessionid=aOYyrtZO2WDa?id=40121>>

Centerpoint: <<http://cptsystems.com/>>

GE: <<http://www.ge.com/en/>>

### **Xantrex and Lights of Hope 12-1-05**

The Lights of Hope fundraising initiative helps St. Paul's Hospital in Vancouver, BC purchase equipment, support research and improve patient care. Every year, a light display is set up outside the hospital to raise awareness, and a large tree is part of the display. This year the Power Smart tree is illuminated by 90 strings of lights, powered by 5 PV solar panels and a Xantrex 1000 watt inverter. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a8sUSzczalzf?id=39936>>

Xantrex: <<http://www.xantrex.com/>>

### **Solar Aerator 12-1-05**

For coverage of the SolarBee, a floating solar-powered circulator that aerates fresh and wastewater ponds, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a8sUSzczalzf?id=39929>>

SolarBee: <[http://www.energysolutionsalberta.com/default.asp?V\\_DOC\\_ID=1091](http://www.energysolutionsalberta.com/default.asp?V_DOC_ID=1091)>

## **Technology Developments**

### **Barnabus Energy's Suncone Progress 12-30-05**

Barnabus Energy announced progress on the engineering of Suncone. Following recent meetings with HYTEC Engineering of Los Alamos, New Mexico, Dr. Mel Prueitt, the Suncone inventor, confirmed that the development project was on schedule and that the company hoped to complete the working prototype by January 31<sup>st</sup>. See:

<<http://www.barnabusenergy.com/en/news/release.asp?numb=173>>



## Manufacturing

### **Webel-SI's New Unit, India 12-30-05**

According to this news brief, Webel-SI Energy Systems Ltd's board of directors has decided to expand the manufacturing capacity of the company by setting up a new unit at Falta special economic zone for 30 MWp of cells and modules. Press through Solarbuzz

<<http://www.solarbuzz.com/index.asp>>

at:

<<http://www.myiris.com/newsCentre/newsPopup.php?fileR=20051230133935002&dir=2005/12/30&secID=livenews>>

### **Solar Cell Makers Aggressive Plans 12-19-05**

Motech Industries and Sino-American Silicon Products are currently in the process of expanding their production capacities, with Motech set to complete construction at its new plant next quarter and SAS doubling capacity at its China Kunshan Plant next year. Story at:

<<http://www.digitimes.com/news/a20051219A4015.html>>

Motech: <<http://www.motechind.com/english/Incorporation1/index.asp>>

Sino American Silicon Products: <<http://www.saswafer.com/>>

### **Dyesol's \$A3.15M Deal 12-19-05**

Dyesol Limited has signed a contract with the Greek company Solar Technologies AE for A\$3.15 million to supply the technology and materials for Europe's first manufacturing plant for dye solar cells, in Greece. Solar Technologies' production plant will have the capacity to manufacture over 5,000 m2 of Dyesol's solar cells. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUMA89.htm>>

<[http://www.energyme.com/energy/2005/en\\_05\\_1366.htm](http://www.energyme.com/energy/2005/en_05_1366.htm)>

Dyesol: <<http://www.dyesol.com/>>

### **Honda Motor Company Solar Cells 12-19-05**

Honda Motor Co., Ltd. will begin mass production in 2007 of independently developed CIGS thin-film solar cells. A mass-production plant with an annual capacity of 27.5 MW will be established at Honda's Kumamoto factory. Honda will produce and sell solar panels in a limited area starting from fall 2006 using an assembly line within Honda Engineering Co., Ltd. Press at Solarbuzz:

<<http://www.solarbuzz.com/news/newsASMA59.htm>>

MSNBC: <<http://www.msnbc.msn.com/id/10530747/>>

Other press:

<[http://www.japancorp.net/Article.asp?Art\\_ID=11538](http://www.japancorp.net/Article.asp?Art_ID=11538)>

<[http://today.reuters.co.uk/news/newsArticle.aspx?type=technologyNews&storyID=2005-12-19T050200Z\\_01\\_ARM918109\\_RTRIDST\\_0\\_TECH-AUTOS-JAPAN-HONDA-DC.XML&archived=False](http://today.reuters.co.uk/news/newsArticle.aspx?type=technologyNews&storyID=2005-12-19T050200Z_01_ARM918109_RTRIDST_0_TECH-AUTOS-JAPAN-HONDA-DC.XML&archived=False)>

<[http://news.com.com/Honda+to+mass-produce+solar+cells/2100-1008\\_3-6000877.html](http://news.com.com/Honda+to+mass-produce+solar+cells/2100-1008_3-6000877.html)>

### **Tata BP Expansion 12-1-05**

Tata BP Solar India will invest over Rs 150 crore to increase the production capacity in India to 100 MW. The company has a 38-MW solar module manufacturing facility in Bangalore. Story through

Solarbuzz at: <<http://www.business-standard.com/common/storypage.php?storyflag=y&leftnm=lmnu1&leftindx=1&lselect=1&chklogin=N&autono=207109>>

Tata BP Solar India: <<http://www.tatabpsolar.com/>>

## Industry Business Developments, Status

### **Solar Finance and Installation Company 12-30-05**

Sun Edison LLC and New Vision Technologies have signed definitive agreements to merge. The combined company named Sun Edison, LLC will continue its mission to support large, commercial solar PV systems. The long-term goal of the merged company is to be the largest owner/operator of solar systems in the U.S. providing competitively priced power to its customers. SunEdison press:

<<http://www.sunedison.com/merger.php>>

<<http://www.sunedison.com/>>

### **Conergy's PV Supply Agreements 12-30-05**

Conergy AG has recently finalized 9 additional supply agreements for PV modules. Together the 9 contracts will deliver a total volume of 70.5 MWp. Suppliers include SunPower, GE, and the Scanmodule/REC Group. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEU226.htm>>  
Conergy AG: <<http://www.conergy.com/>>

### **Fronius USA Services 12-30-05**

For information on Fronius USA service policy upgrades, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=41036>>  
Fronius: <[http://www.fronius.com/worldwide/index\\_usa\\_welding\\_solar.htm](http://www.fronius.com/worldwide/index_usa_welding_solar.htm)>

### **BTU International Order 12-30-05**

BTU International, Inc. announced the receipt of orders totaling \$1.4M for its solar cell diffusion and anti-reflective coating systems. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=41052>>  
BTU: <<http://www.btu.com/>>

### **ARISE Agreement with Japanese Manufacturer 12-30-05**

ARISE Technologies Corporation announced that a large Japanese PV module manufacturer has signed a Letter of Intent to purchase 5 MW of ARISE PV cells, targeted for production in 2007. According to the article, ARISE is planning to produce solar cells using the patented "DC Saddle-Field thin-film technology". Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO379.htm>>  
ARISE: <<http://www.arisetech.com/>>

### **Large-scale PV Financing Model 12-30-05**

3 Phases Energy Services announced its launch of a new service, "Daylight Savings", a model for financing large-scale solar PV projects. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR597.htm>>  
3 Phases: <<http://www.3phases.com/>>

### **Amtech Financial Results 12-30-05**

Amtech Systems, Inc. reported results for its 4<sup>th</sup> quarter and fiscal year ended 30 September 2005. Information at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7B4B6B030C-384A-41C2-96FC-8FAE385FBBBB%7D&siteid=mktw&dist=nbk&symb>>  
Amtech Systems, Inc.: <<http://www.amtechsystems.com/>>

### **SatCon Financial Results 12-30-05**

SatCon Technology Corporation reported financial results for its fiscal 4<sup>th</sup> quarter and year-end of 30 September 2005. Press at: <<http://www.satcon.com/>>

### **Iberdrola Agreement with Sonatrach 12-30-05**

Iberdrola SA signed a 20-year strategic agreement with Algeria's state-owned oil company Sonatrach. The agreement also contemplates joint ventures in the wind and solar energy business as well as co-generation plants. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7890102&ResultCategoryType=2,7&NewsPageID=3>>  
Iberdrola: <<http://www.iberdrola.com/webcorp/gc/en/html/home/index.htm>>

### **Sustainable Energy Technologies 12-30-05**

Sustainable Energy Technologies Ltd announced that it has agreed to issue 25 Limited Partnership Units of its subsidiary STG Markets Limited Partnership. Press at:  
<<http://www.ccnmatthews.com/news/releases/show.jsp?action=showRelease&searchText=false&showText=all&actionFor=573380>>  
Sustainable Energy Technologies: <<http://www.sustainableenergy.com/SET-home/index.html>>



### **Southern Company Executive 12-30-05**

Southern Company has named Leonard Haynes executive vice president of supply technologies, renewables and demand-side planning in Southern Company's generation business unit. Among his responsibilities, Haynes will oversee the development of a renewable generation portfolio. Story at: <<http://newsinfo.southernco.com/article.asp?mnuType=sub&mnuItem=ni&id=1950&mnuOpco=soco&category=0>>

Southern Company: <<http://www.southerncompany.com/>>

### **3TIER Operational Expansion 12-21-05**

3TIER Environmental Forecast Group, Inc. provides large-scale, scientifically based renewable energy forecasting and assessment services for wind, hydro, and solar energy projects worldwide. The company recently announced a major expansion at their Seattle headquarters office. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={4E6CD952-F901-44BA-BFAE-BE8F85FDE688}&siteid=mktw&dist=nbk&symb=>>>

3TIER Environmental Forecast Group: <<http://www.3tiergroup.com/>>

### **More on Oswald at HelioVolt 12-21-05**

For HelioVolt Corporation's press on Dr. Robert Oswald joining the company as VP of Engineering, see: <[http://www.heliovolta.com/oswald\\_release.php](http://www.heliovolta.com/oswald_release.php)>

### **More on SOLON – Ecostream Deal 12-20-05**

For more on the SOLON – Ecostream deal, see enf.cn at: <<http://www.enf.cn/news/051220/1.html>>. Per the article, Ecostream CEO Stafen Pleging says they now have 3 main suppliers, Centrosolar, SOLON and Sharp and are in the process of looking for a Chinese panel supplier as their 4<sup>th</sup> source.

### **SolCool Air Conditioning 12-19-05**

SolCool One, LLC announced the addition of distributors of its line of SolCool hybrid solar air conditioning products. Press at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a5J6ZBWjMsu8?id=40582>>

SolCool: <<http://solcool.net/>>

### **SOLON and Ecostream 12-19-05**

SOLON AG and Ecostream GmbH have signed a contract relating to the implementation of various projects in European countries outside Germany. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR250.htm>>

SOLON AG: <<http://www.solonag.de/>>

Ecostream: <<http://www.ecostream.com/>>

Econcern: <<http://www.econcern.com/>>

### **EPOD International Acquisition 12-19-05**

EPOD International Inc. has acquired a 51% stake in CompMess GmbH & Co. KG providing EPOD with a turnkey manufacturing facility for all of its electronic components and systems. This allows EPOD to build its own solar panel manufacturing equipment and automated solar panel manufacturing facilities.

Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7B8DE1BDB8-1500-45EB-B3DE-3ECD018117C1%7D&siteid=mktw&dist=nbk&symb>>

EPOD: <<http://www.epodinc.com/>>

### **Barnabus Acquisition 12-19-05**

Barnabus Energy, Inc. announced that it has signed an MOU to acquire all remaining shares of Solar Roofing Systems. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7BD86DFDEF-1508-49FB-9AA8-7ED03AFE1D3F%7D&siteid=mktw&dist=nbk&symb>>

Barnabus Energy: <<http://www.barnabusenergy.com/>>

Solar Roofing Systems: <<http://www.solarsave.com/>>

### **HelioVolt Addition 12-16-05**

Bob Oswald, who headed up research efforts at BP Solar and Solarex over the past two decades, has joined HelioVolt as chief technology officer. Story at: <<http://news.com.com/Solar+start->

[up+nabs+BP+exec/2110-11398\\_3-5996905.html?part=rss&tag=5996905&subj=news](http://www.heliovolta.com/)>  
HelioVolt: <<http://www.heliovolta.com/>>

#### **SMA Technologie Sales Organization 12-15-05**

SMA Technologie AG will take over the sales activities of Rosendahl Energietechnik GmbH & Co. KG in Krefeld, Germany, including its subsidiaries in the U.S., Italy, Spain and China. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEU225.htm>>  
SMA: <<http://www2.sma.de/>>

#### **SunTech Power IPO 12-15-05**

Continuing coverage of the SunTech IPO can be found at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7848999&ResultCategoryType=2,7&NewsPageID=3>>  
<[http://news.xinhuanet.com/english/2005-12/15/content\\_3923663.htm](http://news.xinhuanet.com/english/2005-12/15/content_3923663.htm)>  
SunTech: <<http://www.suntech-power.com/>>

#### **SunPower \$330 Million Agreement with PowerLight [Susan DeVico] 12-15-05**

SunPower Corp. announced a supply agreement with PowerLight Corporation for delivery of \$330 million of solar panels from 2005 through 2009. Said Tom Werner, SunPower CEO, "This agreement marks another milestone in SunPower's growth strategy as we continue to build out our global customer base." Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b8F09A255-4D19-45D5-948E-66402234153A%7d&siteid=mktw&dist=nbk&symb=>>>  
SunTile™ Roof Integrated System: <<http://www.powerlight.com/documents/products/Suntile-PowerLight.pdf>>  
SunPower: <<http://www.sunpowercorp.com/html>>  
PowerLight: <<http://www.powerlight.com/>>

#### **Cyrium Technologies Funding 12-14-05**

Cyrium Technologies Inc. announced that it has secured \$3 million in funding. Cyrium also announced the appointment of Edward Sloat as CEO and director of the company. Per the article, Cyrium Technologies is developing a "proprietary breakthrough technology that significantly increases solar cell efficiency over state-of-the art products". Press at: <<http://www.techfinance.ca/m-topnews+news+tnid-771-tnd-20051213.html>>  
Cyrium Technologies: <<http://www.cyriumtechnologies.com/6982.html>>

#### **Legend Solar Panel Sales 12-14-05**

Legend Investment Corp. announced that it has completed its first alternative-energy transaction. The company's new solar energy division has purchased and subsequently resold \$366,930 of solar panels. This first transaction is part of a larger agreement for further supply. The solar panels were purchased from a supplier based in the U.S. and resold through Legend Investment Corp. affiliates overseas. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7845119&ResultCategoryType=2,7&NewsPageID=3>>  
Legend Investment Corp.: <<http://www.legendinvestment.com/>>

#### **Millennium Electric PV Order 12-14-05**

Universal Communication Systems subsidiary Millennium Electric TOU Limited announced that the company has secured a new export order for PV panels totaling up to \$4.2 million, for the Canadian market. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bBC392936-8C56-4D10-B4D5-FD871BF67266%7d&siteid=mktw&dist=nbk&symb=>>>  
Millennium Electric T.O.U.: <<http://www.millenniumsolar.com/>>  
Universal Communication Systems: <<http://www.ucsy.com/>>

#### **More on SunTech IPO 12-14-05**

For more on SunTech's IPO, see:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bBF0B7D72-A81C-433E-8CF2-DCA603E2A02F%7d&siteid=mktw&dist=nbk&symb=>>>  
<<http://www.forbes.com/markets/feeds/afx/2005/12/13/afx2389930.html>>

<[http://today.reuters.com/investing/financeArticle.aspx?type=hotStocksNews&storyID=2005-12-14T151647Z\\_01\\_KWA454983\\_RTRUKOC\\_0\\_US-SUNTECH.xml](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bF63BD433-C31F-4C5E-BA13-894928736D8A%7d&siteid=mktw&dist=nbk&symb=> ></a><br/><<a href=)>

### **Carmanah Financing 12-13-05**

Carmanah Technologies Corporation announced that it has successfully completed the "bought-deal" private placement financing of common shares with a syndicate of underwriters. Story at:  
<[http://www.carmanah.com/](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1AB0C5B9-4710-445E-9971-5AD08D797B88%7d&siteid=mktw&dist=nbk&symb=> ></a><br/>Carmanah Technologies: <<a href=)>

### **Suntech IPO 12-13-05**

For press on Suntech's IPO, see:  
<<http://www.marketwatch.com/news/newsfinder/pulseone.asp?siteid=mktw&dist=nbk&guid=%7b77EC1C44-FD02-4FF1-9A37-CA34C13C3FD2%7d>>  
Suntech Power: <http://www.suntech-power.com/>

### **Mastervolt in South Korean Solar Market 12-13-05**

For the press "Mastervolt Enters South Korean Solar Market" through SolarPlaza, see:  
<<http://www.solarplaza.com/news/solarenergy/2005/13120501.htm>>

### **XsunX Financing 12-13-05**

XsunX, Inc. announced that it has accepted \$5,000,000 in financing from Cornell Capital Partners, LP to help drive the continued development and growth of the company. Press at:  
<[http://www.xsunx.com/](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b427FE25E-A356-4748-A4F5-27D725A011F7%7d&siteid=mktw&dist=nbk&symb=> ></a><br/>XsunX: <<a href=)>  
Cornell Capital: <<http://www.cornellcapital.com/>>

### **GT Equipment Technologies Order 12-13-05**

GT Equipment Technologies, Inc. has received a record order for 100 DSS multi-crystal silicon ingot growth furnaces. The equipment will enable GT's customer LDK Solar Hi-Tech Co., Ltd of Jiangxi, China to expand its annual wafer fabrication capacity from 75 MW to more than 200 MW. Stories at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASMA58.htm>> and RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=40441>>  
GT Equipment Technologies: <<http://www.gtequipment.com/>>  
LDK Solar: <<http://www.ldksolar.com/>>

### **South Korea's Solar Sector 12-12-05**

South Korea's Taihan Electric Wire Co. said it has taken over a local producer of solar power generation equipment in a bid to tap into the solar electric market. Press at:  
<<http://au.biz.yahoo.com/051212/17/f2q0.html>>

### **Solar at Dow Corning 12-12-05**

Dow Corning Corp. expects to deliver a strong financial performance in 2006 and sees solar energy as a key driver of future growth, says its president and CEO. Story at:  
<<http://today.reuters.com/business/newsArticle.aspx?type=naturalResources&storyID=nL1290025>>  
Dow Corning: <<http://www.dowcorning.com/content/solar/>>

### **Phonix SonnenStrom Performance 12-12-05**

Per this article, the performance of solar integrator, Phonix SonnenStrom AG, is above target in the current financial year. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO224.htm>>  
Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

### **Sustainable Energy Technologies Operations 12-12-05**

Per this article on Sustainable Energy Technologies, "Highlights of Update on Operations", the market for solar PV systems is proving to be far larger and growing faster than anyone anticipated, with the growth in Europe validating the decision to focus resources on establishing a beachhead there and

leave the North American market until later in 2006. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7832502&ResultCategoryType=2,7&NewsPageID=3>>

Sustainable Energy Technologies:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2E sustainableenergy%2Ecom&template=2,2>>

#### **GE Solar Module 12-8-05**

GE Energy released its highest power and highest efficiency solar module to date at Power-Gen International 2005. Press at: <[http://www.gepower.com/about/press/en/2005\\_press/120605p.htm](http://www.gepower.com/about/press/en/2005_press/120605p.htm)>

GE Energy: <<http://www.gepower.com/home/index.htm>>

Power-Gen International 2005: <<http://pgi05.events.pennnet.com/>>

#### **RoseStreet Labs License Agreement with LBNL 12-7-05**

RoseStreet Labs announced an exclusive agreement with Lawrence Berkeley National Laboratory for Multi-Band Semiconductors and High Efficiency Solar Cells. The agreement will support RoseStreet Labs' commercialization of full-spectrum PV for terrestrial, distributed energy, military and space applications. RoseStreet Labs expects to spinout its solar operations by yearend into an entity named RSL Energy.

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7796003&ResultCategoryType=2,7&NewsPageID=3>>

Berkeley Lab:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2E lbnl%2E gov&template=2,2>>

RoseStreet Labs: <<http://www.rosestreetlabs.com/>>

#### **More on the BP – SunOasis Joint Venture 12-6-05**

For more on the BP Solar – SunOasis joint venture, see ENF.cn at:

<<http://www.enf.cn/news/051206/1.html>>

BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

SunOasis: <<http://www.sunoasis.com.cn/en/>>

#### **Barnabus Energy Updates 12-6-05**

Barnabus Energy, Inc. announced that the Board of Directors has authorized management to proceed with negotiations towards the purchase of 100% of both Solar Roofing Systems and Connect Renewable Energy, Inc. Also, Ron Gangemi, founder of Connect, was named to the Board. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7794142&ResultCategoryType=2,7&NewsPageID=3>>

Barnabus Energy:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2E barnabusenergy%2Ecom&template=2,2>>

#### **Chrysalix Investment in Day4 12-6-05**

Chrysalix Energy Management announced a new investment by Chrysalix Energy II U.S. Limited Partnership in Day4 Energy Inc. More on Day4's developments at:

<<http://www.canadait.com/cfm/index.cfm?It=106&Id=23540&Se=0&Sv=&Lo=2>>

Day4 Energy: <<http://www.day4energy.com/>>

#### **Sterling Planet in Denver 12-6-05**

GreenShift Corporation portfolio company Sterling Planet announced its selection of a Western Regional Manager and the opening of its new office location in Denver, Colorado. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE457AAD0-3C71-4E19-8999-72B85BFA170D%7d&siteid=mktw&dist=nbk&symb=>>>

Sterling Planet: <<http://www.sterlingplanet.com/>>

GreenShift: <<http://www.greenshift.com/>>

#### **DayStar Appointment 12-5-05**

DayStar Technologies, Inc. announced the appointment of Steven C. Argabright to its Board of Directors. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b5E4CF8EB-4DD5-4350-84A6-7B4D867A69CE%7d&siteid=mktw&dist=nbk&symb=>>  
DayStar: <<http://www.daystartech.com/>>

#### **EnviroMission Australia Negotiations 12-5-05**

EnviroMission Australia is in negotiations with a new contractor to engineer its solar tower electricity generator. EnviroMission has downsized the project from the original 200 MW to 50 MW, and the tower will be no more than 500 meters high. A solar collector would surround the base of the tower, to be located north of Mildura in Western New South Wales, funneling hot air upwards to drive turbines and generate electricity. Story at: <<http://au.biz.yahoo.com/051205/17/el9a.html>>  
EnviroMission: <<http://www.enviromission.com.au/intro.htm>>

#### **Energy Innovations Technology Pioneer 12-5-05**

The World Economic Forum announced that Energy Innovations, Inc. has been selected as one of its 36 Technology Pioneers for 2006. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b154C03D4-08FC-45B1-AFA3-A36972B615A6%7d&siteid=mktw&dist=nbk&symb=>>  
Energy Innovations: <<http://www.energyinnovations.com/>>  
Technology Pioneers: <<http://www.weforum.org/site/homepublic.nsf/Content/Technology+Pioneers>>

#### **SunBall Update [Greg Watson] 12-5-05**

For the latest on the SunBall, see the website at: <<http://www.greenandgoldenergy.com.au/>>

#### **Legend Investment with European Solar 12-5-05**

Legend Investment Corporation announced that it is currently in negotiations with a European solar panel distributor with the intent to form a subsidiary of Legend Investment for the purpose of sourcing solar-related products for the domestic market. Story at:  
<[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=103040](http://www.marketwire.com/mw/release_html_b1?release_id=103040)>

#### **More on Motech 12-2-05**

According to this article, the company anticipates production should be completely resumed by April 2006. Story at: <<http://www.digitimes.com/news/a20051202A4015.html>>  
Motech: <<http://www.motech.com.tw/english/Incorporation1/index.asp>>

#### **More on BP 12-2-05**

For the article "BP Ramps Up Solar Program, More growth expected at Frederick plant", see the Gazette story at: <[http://www.gazette.net/stories/120205/businew174208\\_31895.shtml](http://www.gazette.net/stories/120205/businew174208_31895.shtml)>  
For more on the joint venture in China, see:  
<<http://www.planetark.com/dailynewsstory.cfm/newsid/33791/story.htm>>  
<[http://www.blackenterprise.com/yb/ybopen.asp?section=ybbf&story\\_id=86214508&ID=blackenterprise](http://www.blackenterprise.com/yb/ybopen.asp?section=ybbf&story_id=86214508&ID=blackenterprise)>

#### **XsunX Manufacturers 12-2-05**

XsunX, Inc. announced it has expanded the number of product development relationships it has with manufacturers of glass and thin film products. Press at:  
<[http://www.redorbit.com/news/science/318140/xsunx\\_adds\\_new\\_manufacturers\\_to\\_products\\_development\\_program/index.html?source=r\\_science](http://www.redorbit.com/news/science/318140/xsunx_adds_new_manufacturers_to_products_development_program/index.html?source=r_science)>  
XsunX: <<http://www.xsunx.com/>>

#### **Spire Solar 12-2-05**

Because of the high energy prices, Spire is now experiencing a significant pickup in equipment orders from corporate customers worldwide that are increasing their manufacturing capacity for making solar panels. For the article "Spire has its day in the sun", through RenewableEnergyAccess  
<<http://www.renewableenergyaccess.com/rea/news/story?id=40013>> see:  
<[http://www.boston.com/news/local/articles/2005/12/01/spire\\_has\\_its\\_day\\_in\\_the\\_sun/](http://www.boston.com/news/local/articles/2005/12/01/spire_has_its_day_in_the_sun/)>  
Spire Solar: <<http://www.spiresolar.com/Solar/Chicago.html>>

#### **BP Solar and SunOasis 12-1-05**

BP Solar has signed an agreement with China Xinjiang SunOasis Co. to form a joint venture to

manufacture, market and sell PV products and systems in China. Story at:  
<<http://www.forbes.com/markets/feeds/afx/2005/12/01/afx2362421.html>>  
<[http://news.xinhuanet.com/english/2005-12/01/content\\_3865382.htm](http://news.xinhuanet.com/english/2005-12/01/content_3865382.htm)>  
<<http://asia.news.yahoo.com/051201/3/2bok9.html>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>  
SunOasis: <<http://www.sunoasis.com.cn/en/>>

#### **More on BP Alternative Energy 12-1-05**

For continuing coverage of BP's recent Alternative Energy announcement, see:  
<[http://www.gazette.net/stories/120105/busiflo155814\\_31895.shtml](http://www.gazette.net/stories/120105/busiflo155814_31895.shtml)>  
BP Alternative Energy announcement:  
<<http://www.bp.com/genericarticle.do?categoryId=2012968&contentId=7012352>>

#### **Edisun Power in Europe 12-1-05**

Edisun Power AG is forming a European arm to pursue international markets. The company will establish Edisun Power Europe AG, which plans to finance and build solar power installations in countries that have solar energy feed-in tariffs. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUCO222.htm>>  
Edisun: <<http://www.edisunpower.com/>>

### **Renewables Programs, Projects**

#### **Egyptian Solar Power Station 12-30-05**

Per this headline, Egypt is to construct a 150 MW solar power station in Al-Koraymat by 2009.  
<<http://www.arabicnews.com/ansub/Daily/Day/051226/2005122624.html>>

#### **PNM Solar Energy Program 12-30-05**

PNM has received final approval from the New Mexico Public Regulation Commission to launch a customer solar energy program. The program is among the first in the country to be based on the actual performance of PV systems. For information on the program see Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAGO284.htm>>  
and RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aRq8NoZRqfn-?id=41050>> and  
PNM: <[http://www.pnm.com/customers/pv\\_rec.htm](http://www.pnm.com/customers/pv_rec.htm)>  
See also the "Campaign for New Mexico Solar Tax Incentive!" at:  
<[http://www.cfcae.org/Solar\\_Tax\\_Credit/Solar\\_Tax\\_Campaign.htm](http://www.cfcae.org/Solar_Tax_Credit/Solar_Tax_Campaign.htm)>  
New Mexico Solar Energy Association: <<http://www.nmsea.org/>>  
New Mexico Coalition for Clean Affordable Energy: <<http://www.cfcae.org/>>

#### **Chinese Solar Energy Center 12-30-05**

An international center for promotion and transfer of solar energy will be built in Lanzhou, capital of northwest China's Gansu Province, with financial support from the United Nations Industrial Development Organization. According to this article, there are over 3,000 firms engaged in production of solar energy converters across China. Story through Solarbuzz at:  
<[http://english.people.com.cn/200512/26/eng20051226\\_230816.html](http://english.people.com.cn/200512/26/eng20051226_230816.html)>  
<[http://www.redorbit.com/news/science/340439/china\\_to\\_build\\_international\\_solar\\_energy\\_centre\\_with\\_un\\_aid/index.html?source=r\\_science](http://www.redorbit.com/news/science/340439/china_to_build_international_solar_energy_centre_with_un_aid/index.html?source=r_science)>

#### **Renewables In China 12-30-05**

China Energy Conservation Investment Corporation plans to invest at least 20 billion yuan over the next 5 years to build new projects across the nation. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=41002>>  
China Daily: <[http://www.chinadaily.com.cn/english/doc/2005-12/28/content\\_507271.htm](http://www.chinadaily.com.cn/english/doc/2005-12/28/content_507271.htm)>  
Energy experts predict that the implementation of the Law on Renewable Resources 1 January 2006 will open up a huge market in China for renewable solar energy. Press at:  
<[http://news.xinhuanet.com/english/2005-12/27/content\\_3976820.htm](http://news.xinhuanet.com/english/2005-12/27/content_3976820.htm)>



### **Renewables in Taiwan 12-30-05**

The government will put "recyclable energy" at the top of a key science and technology development project in 2006, according to the Minister of Economic Affairs Ho Mei-yueh. Story through Solarbuzz at: <<http://au.biz.yahoo.com/051226/17/fyrc.html>>

In other news, according to a think tank, if the chip-making industry can integrate solar energy to produce highly efficiency solar cells, it will help Taiwan reduce its dependency on imported. Story at: <<http://asia.news.yahoo.com/051227/4/2d1c8.html>>

### **Los Angeles Department of Water and Power Renewables 12-21-05**

The Board of Water and Power Commissioners for the Los Angeles Department of Water and Power took the first step toward increasing renewable energy sources to 20% of the City's power mix by 2010 – seven years ahead of the RPS goal that was adopted by the Board and the City Council earlier this year. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7885413&ResultCategoryType=2,7&NewsPageID=3>>

### **Renewables in Nevada 12-20-05**

Nevada Power Co. and Sierra Pacific Power Co. filed a revised renewable energy plan that calls for increasing the budget for renewable energy programs, excluding investments in renewable power plants. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7879043&ResultCategoryType=2,7&NewsPageID=3>>

### **LIPA-KeySpan Partnership, New York 12-19-05**

Gov. George Pataki announced that the Long Island Power Authority and KeySpan Corp. are extending their partnership by 5 years. The deal includes \$1 million in new rebates for rooftop solar electric systems. Press through Solarbuzz at: <[http://www.newsday.com/news/printedition/longisland/ny-lilipa154551936dec15\\_0\\_7501142.story?coll=ny-linews-print](http://www.newsday.com/news/printedition/longisland/ny-lilipa154551936dec15_0_7501142.story?coll=ny-linews-print)>

LIPA: <<http://www.lipower.org/residential/green.html?feature>>

KeySpan: <<http://www.keyspanenergy.com/>>

### **California PUC \$300 Million Solar Funding 12-16-05**

The California Public Utilities Commission unanimously approved the first phase of the California Solar Initiative making \$300 million in funds available for solar projects in 2006. The 2006 money will go toward the current waitlist accumulated since mid-2005, as well as for new applicants in 2006.

Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=40595>>

and Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO282.htm>> and Environment California:

<<http://www.environmentcalifornia.org/newsroom/energy/energy-program-news/unanimous-vote-for-phase-one-of-million-solar-roofs-program-at-puc>>

SEIA Press: <<http://www.seia.org/solarnews.php?id=86>>

### **More on Million Solar Roofs Initiative 12-15-05**

For a press release on the Million Solar Roofs Initiative at SEIA's website, see:

<<http://www.seia.org/solarnews.php?id=86>>. Also see "Vote Today Will Triple California Solar Rebates for 2006" at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aIht83IhBNte?id=40595>>

Continuing coverage of the Million Solar Roofs Initiative in California can be found at:

<[http://www.forbes.com/facesinthenews/2005/12/14/schwarzenegger-solar-energy-cx\\_gl\\_1214autofacescan15.html?partner=rss](http://www.forbes.com/facesinthenews/2005/12/14/schwarzenegger-solar-energy-cx_gl_1214autofacescan15.html?partner=rss)>

<[http://www.usatoday.com/tech/science/2005-12-14-calif-solar-initiative\\_x.htm](http://www.usatoday.com/tech/science/2005-12-14-calif-solar-initiative_x.htm)>

<[http://www.broward.com/mld/mercurynews/business/13404057.htm?source=rss&channel=mercurynews\\_business](http://www.broward.com/mld/mercurynews/business/13404057.htm?source=rss&channel=mercurynews_business)>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7851415&ResultCategoryType=2,7&NewsPageID=3>>

and elsewhere....

### **Million Solar Roofs Initiative, California 12-14-05**

The California Public Utilities Commission released a major proposal that will effectively act as a

replacement for SB1, or the Million Solar Roofs Initiative. Coverage at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=40473>>

For a copy of the official PUC proposal for establishing the Million Solar Roofs program, see: <[http://www.cpuc.ca.gov/PUBLISHED/COMMENT\\_DECISION/51992.htm](http://www.cpuc.ca.gov/PUBLISHED/COMMENT_DECISION/51992.htm)>

Additional press coverage:

<<http://www.contracostatimes.com/mld/cctimes/news/politics/13395900.htm>>

<[http://www.mercurynews.com/mld/mercurynews/news/breaking\\_news/13400575.htm](http://www.mercurynews.com/mld/mercurynews/news/breaking_news/13400575.htm)>

<<http://www.environmentcalifornia.org/newsroom/energy/energy-program-news/3.2-billion-solar-roofs-program-proposed-for-california>>

<<http://www.timesleader.com/mld/timesleader/news/nation/13395900.htm>>

### **Million Solar Roofs Initiative, California 12-13-05**

For coverage of California's Million Solar Roofs Initiative at RenewableEnergyAccess, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=40473>>

Environment California, Million Solar Roofs Update:

<<http://www.environmentcalifornia.org/energy/million-solar-roofs>>

### **California Energy Commission Renewables 12-12-05**

The Appendix to the Renewables Portfolio Standard Procurement Verification Report is on line at:

<<http://www.energy.ca.gov/portfolio/documents/index.html>>

### **SB1 in California 12-12-05**

For the editorial in the San Francisco Chronicle "To catch the sun", see: <<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2005/12/12/EDG5TG18A51.DTL>>

### **Renewables in Washington State 12-12-05**

See the article "New Wave Seen in Energy Production" at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7817046&ResultCategoryType=2,7&NewsPageID=3>>. The article covers emerging energy technologies promoted at the annual meeting of the Washington Public Utility Districts Association held recently in Spokane.

### **Rhode Island Renewables 12-12-05**

Last month, construction began on what will be the largest solar energy system in the state, when the International Brotherhood of Electrical Workers Local 99 started installing 240 solar panels at its headquarters in Cranston. More on the story and the Renewable Energy Fund, run by the Rhode Island State Energy Office, through Solarbuzz at:

<<http://www.pbn.com/contentmgr/showdetails.php/id/118125>>

R.I. Renewable Energy Fund: <<http://www.riseo.state.ri.us/riref/aboutfund/index.html>>

### **New York RPS 2-8-05**

Assemblyman Ryan Scott Karben, Chairman of the Assembly's Subcommittee on Renewable Energy, initiated a hearing to investigate a new 2% utility bill surcharge created by the Public Service Commission to fund the use of renewable energy in New York. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=40260>>

### **BEF Renewable Energy Credits [BEF Quarterly Newsletter] 12-7-05**

Responding to increasing demand for solar-generated renewable energy credits, the Bonneville Environmental Foundation announced the availability of its "Brighter Future™ Green Tag product. See the BEF press at: <<http://www.b-e-f.org/news/releases/092905.shtm>>

BEF Green Tags: <[http://www.greentagsusa.org/GreenTags/product\\_content\\_bf.cfm](http://www.greentagsusa.org/GreenTags/product_content_bf.cfm)>

### **New Jersey Renewables 12-6-05**

The New Jersey Board of Public Utilities has proposed a major expansion of the Renewable Portfolio Standard in their state, and is asking for public comment. Story, text of the rules, and comment site at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=39864>>

<<http://www.renewableenergyaccess.com/rea/action/view?id=40119>>

NJBPU: <<http://www.bpu.state.nj.us/home/secDiv.shtml>>

### **Solar Cities Short List 12-5-05**

Minister for the Environment and Heritage, Senator Ian Campbell, and Minister for Industry, Tourism and Resources, Ian Macfarlane, announced 11 consortia from around Australia have been short-listed to host the nation's first Solar Cities. Information at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASGO65.htm>>

### **New Solar Power Scheme, India 12-5-05**

Per this press, Vilas Muttemwar, Minister for Non-Conventional Energy Sources, said that a new Scheme on "Demonstration and promotion of solar photovoltaic devices and systems in urban areas" has been developed and forwarded to all States for implementation during the current year. Press at:

<<http://www.indiainfoline.com/news/news.asp?dat=71169>>

### **Colorado Solar 12-5-05**

In an effort to comply with the voter-approved Amendment 37 initiative in Colorado, which requires investor-owned utilities to use or fund a small percentage of solar energy, Xcel Energy made an interim filing with state regulators that would allow a new program to begin 1 January 2006. See "Colorado Could be the Next Solar State" at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=ar3Er9SX-Ouh?id=40089>>

### **American Energy Harvest Plan 12-2-05**

For a speech by Pennsylvania Governor Edward Rendell to the National Press Club titled "An American Energy Harvest Plan: Jobs, Prosperity, Independence", see:

<<http://www.governor.state.pa.us/governor/cwp/view.asp?a=3&q=444223>>. In the speech, Rendell calls for federal goals, saying that federal alternative energy portfolio standards should include a requirement that at least 10,000 MW of solar and 100,000 MW of wind power are deployed by 2015.

More News at SEIA: <<http://www.seia.org/>>

### **Colorado Solar 12-2-05**

In an effort to jumpstart the development of the solar power industry in Colorado, as mandated by Amendment 37, Xcel Energy made an interim filing that would allow the program to begin on January 1, 2006. The CPUC has until March 31, 2006 to establish rules and regulations for the Renewable Energy Standard in Colorado, including solar power development. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO280.htm>>

Xcel Press: <[http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-1\\_15531\\_18513-23156-0\\_0\\_0-0,00.html](http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-1_15531_18513-23156-0_0_0-0,00.html)>

Colorado PUC: <<http://www.dora.state.co.us/puc/rulemaking/Amendment37.htm>>

### **Corporate Green Power 12-1-05**

At 360 MW, member companies of the Green Power Market Development Group are on their way to their goal of building markets for 1000 MW of green power in the US. At a press conference this week as part of the United Nations' climate change meetings, WRI also announced the launch of a similar corporate renewable energy purchasing partnership in Europe. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39961>> and

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7768935&ResultCategoryType=2,7&NewsPageID=3>>

Green Power Market Development Group:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eethegreenpowergroup%2Eorg&template=2,2,0>>

World Resources Institute: <<http://www.wri.org/>>

### **CEC Workshop 12-1-05**

The Committee Workshop on Proposed Changes to the Renewables Portfolio Standard Guidelines and Procurement Verification Report is set for 7 December at 1:30 pm. Notice at:

<[http://www.energy.ca.gov/portfolio/notices/2005-12-07\\_workshop\\_notice.html](http://www.energy.ca.gov/portfolio/notices/2005-12-07_workshop_notice.html)>

## Meetings, Gatherings, Conferences

### **Solar and Clean Tech Symposium 12-30-05**

Piper Jaffray & Co. will host the Opportunities in Solar and Clean Tech Symposium 21 February 2006 in New York. Information at: <<http://www.mysan.de/article324965.html>>  
<<http://www.piperjaffray.com/conferences>>

### **Results of the 18<sup>th</sup> NREL Industry Growth Forum 12-30-05**

The 18<sup>th</sup> NREL Industry Growth Forum was held 7-9 November, uniting emerging clean energy technology companies from across the country with presentations to promote and enhance the success of new ventures, emerging businesses, and the growth of entrepreneurship in the clean energy sector. The 2005 Clean Energy Entrepreneur of the Year Award was presented to H2Go. Story at: <[http://www.nrel.gov/technologytransfer/entrepreneurs/18\\_forum\\_results.html](http://www.nrel.gov/technologytransfer/entrepreneurs/18_forum_results.html)>  
H2Go: <<http://www.h2go.org/>>

### **NABCEP PV Installer Certification 12-30-05**

The next NABCEP Solar PV Installer Certification Exam date is 18 March 2006, with a deadline for applications of 20 January 2006. Information at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=41020>>  
<<http://www.renewableenergyaccess.com/rea/market/business/view?cid=1359>>  
NABCEP: <<http://www.nabcep.org/>>

### **MIT Clean Energy Competition 12-19-05**

The MIT Enterprise Forum of Cambridge is hosting a competition to speed the development and commercialization of clean and renewable energy technology solutions. The 2<sup>nd</sup> annual Ignite Clean Energy competition drew nearly 100 entrepreneurs, investors, students, and clean-energy proponents to MIT on December 8 to start sharing ideas and learn about the competition. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aPp4Ns3nrob4?id=40717>>  
Ignite Clean Energy: <<http://www.mitforumcambridge.org/EnergySIG/IgniteCleanEnergy.html>>

### **Salazar's Renewable Energy Summit [Craig Cox] 12-16-05**

Colorado Senator Ken Salazar is sponsoring a Renewable Energy Summit on 11 January. For more information, and to register, see: <<http://www.salazar.senate.gov/contact/coenergyreg.cfm>>  
Ken Salazar: <<http://www.salazar.senate.gov/>>  
Colorado Coalition for New Energy Technologies:  
<<http://www.newenergytechnologies.org/colorado/default.htm>>  
Western Business Coalition for New Energy Technologies: <<http://www.newenergytechnologies.org/>>

### **Renewable Energy Summit 12-15-05**

For information on the Renewable Energy Finance and Investment Summit set for 8-10 March 2006 in Phoenix, Arizona, see the website at: <<http://www.frallc.com/project.asp>>

### **SEI Workshop 12-8-05**

Solar Energy International, in co-sponsorship with Tucson Electric Power and The Solar Store, is hosting a 6-day hands-on Solar Electric Design & Installation Workshop in February in Tucson, Arizona. Information at:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=40170>>  
SEI: <<http://www.solarenergy.org/>>

### **California Energy Commission Workshop 12-8-05**

The agenda for the recent workshop on proposed changes to the RPS guidelines and procurement verification report, along with copies of presentations, is available at:  
<<http://www.energy.ca.gov/portfolio/documents/index.html>>

### **Intelligent Building in Middle East 12-6-05**

For coverage of the 3-day trade show and conference with 60 international speakers, organized by the Bahrain Convention and Exhibition Bureau in association with Nurnberg Global Fairs and the Bahrain Society of Engineering, showcasing innovative building solutions and state-of-the-art technologies, see: <<http://www.gulf-daily-news.com/Story.asp?Article=129154&Sn=BNEW&IssueID=28261>>  
<[http://www.tradearabia.com/tanews/newsdetails\\_snCONS\\_article97273\\_cnt.html](http://www.tradearabia.com/tanews/newsdetails_snCONS_article97273_cnt.html)>  
IBME: <<http://www.ibme2005.com/index.asp>>  
<<http://www.ibme2005.com/source/pdf/Brochure2005.pdf>>

### **NY Loves Energy 12-6-05**

Per this article, nearly 2 dozen New York companies and organizations involved in the NY Loves Energy initiative will showcase a variety of clean and alternative energy technologies at Power-Gen International 2005. Press at:

<<http://albany.bizjournals.com/albany/stories/2005/12/05/daily1.html>>

<<http://www.e2tac.org/>>

Power-Gen: <<http://pgi05.events.pennnet.com/>>

### **Spire at Commodities and Capital Goods Conference 12-2-05**

Spire Corporation Chairman and CEO, Roger Little, will be a featured presenter at the 1<sup>st</sup> Annual Bear Stearns Commodities and Capital Goods Conference 7 December. Little will speak on his vision for supplying PV manufacturing equipment to a growing industry and Spire's role in this market. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7775374&ResultCategoryType=2,7&NewsPageID=3>>

Spire:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Espirecorp%2Ecom&template=2,2>>

Bear Stearns Conference:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Ebearstearns%2Ecom%2Fconferences%2Fccgc2005&template=2,2>>

### **DayStar at Commodities and Capital Goods Conference 12-1-05**

Dr. John Tuttle, Chairman and CEO of DayStar Technologies, Inc. will be a featured presenter at the Bear Stearns' First Annual Commodities and Capital Goods Conference in New York City 7 December.

Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?quid=%7bA5142591-1EB4-4BF3-8213-F87CF82ADD08%7d&siteid=mktw&dist=nbk&sybm=>>>

DayStar: <<http://www.daystartech.com/>>

Bear Stearns: <<http://www.bearstearns.com/conferences/ccgc2005/>>

### **PV Business Tour of Spain 12-1-05**

For coverage of the PV Business Tour of Spain, see SolarPlaza at:

<<http://www.solarplaza.com/news/solarenergy/2005/01120501.htm>>Per the story, the module shortage is an enormous problem and is interrupting the steep growth of the Spanish market.

## **U.S. Congress In Action**

## **Reports, Publications, Statements**

### **Renewables Cash In 12-30-05**

Per this article, with European nations struggling to keep their promised targets under the Kyoto Protocol for greenhouse gas emissions, U.S. firms are set to cash in on the increased attention on renewable energies. See:

<[http://news.monstersandcritics.com/business/article\\_1072387.php/U.S.\\_renewable\\_energy\\_firms\\_cash\\_in](http://news.monstersandcritics.com/business/article_1072387.php/U.S._renewable_energy_firms_cash_in)>

### **Solar Venture Capital 12-3-0-05**

See the article "Solar Hot in Venture Capital Circles: at: <<http://www.informationweek.com/news/showArticle.jhtml?articleID=175700295>>. And, see "Venture Capitalists Embrace Solar Energy" at: <<http://msnbc.msn.com/id/10625903/from/ET/>>

### **PV Activities in Japan 12-30-05**

Per PV Activities in Japan [subscription], the Ministry of Economy, Trade and Industry established an energy technology vision to reduce CO2 emission from domestic and transport use to zero by 2100. Assuming that the world's oil production reaches its peak in 2050, the vision specifies the timing of "getting out of dependence on oil" by consumers and the industries such as transportation. Increasing the generation efficiency of PV power generation is also one of the targets.

Also, Showa Shell Sekiyu K.K. started the construction of the Miyazaki Solar Cell Plant in Miyazaki Prefecture, which will become a base for CuInSe2 solar cells, with production to start in January 2007 after some test runs.

This, and more news at PV Activities in Japan [subscription], Osamu Ikki RTS Corporation, [ikki@rts-pv.com](mailto:ikki@rts-pv.com), Tel: +81-3-3551-6345.

### **IREC Newsletter [Jane Pulaski] 12-30-05**

For the latest issue of The Interstate Renewable Energy Council's Going Solar and The Department of Energy's Million Solar Roofs E-Newsletter covering schools going solar, interconnection/net metering, incentives/rebates, community outreach, and other topics, see: <<http://www.irecusa.org/commout/enewsletter.html>>

### **Energy Storage Report 12-30-05**

Research Reports International has released an 80-page report on energy storage. For more information, see: <[http://www.researchreportsintl.com/products/product.cfm?report\\_ID=55](http://www.researchreportsintl.com/products/product.cfm?report_ID=55)>

### **IAUS Interview 12-21-05**

In a Wall Street Network interview, Randy Johnson, Public Relations Director for International Automated Systems, Inc, gives an overview of the company and the markets it serves, and covers its solar technology, recent press releases, current capitalization, and upcoming strategic and financial milestones. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={B022AC1B-7AC5-46F1-9C6E-B8E32983339E}&siteid=mktw&dist=nbk&sybm=>>

The Wall Street Network: <<http://www.wallst.net/>>

IAUS: <<http://www.iaus.com/>>

### **NREL Cuts 12-21-05**

For the article "Planned NREL R&D Staff Cuts Are a National Shame", see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=40762>>

Stella Group: <<http://www.thestellagroupltd.com/default.htm>>

Denver Post: <[http://www.denverpost.com/news/ci\\_3327991](http://www.denverpost.com/news/ci_3327991)>

<[http://www.insidedenver.com/drmn/energy/article/0,2777,DRMN\\_23914\\_4328252,00.html](http://www.insidedenver.com/drmn/energy/article/0,2777,DRMN_23914_4328252,00.html)>

### **OECD National PV Capacity 12-21-05**

A 30% increase in installation of solar PV by 19 developed countries last year pushed their total to 2.6 GW according to the International Energy Agency. Story at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=41753787&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=41753787&accnum=1&topics=>)

After Germany and Japan, the U.S. was in third place for 2004 installation capacity, with the balance of the top five being Spain and Australia.

Report Table: <<http://www.oja-services.nl/iea-pvps/isr/01.htm>>

### **Clean Energy Solutions 12-20-05**

RenewableEnergyStocks.com and NaturalGasStocks.com report on a variety of clean energy solutions. For information on "Embracing Clean Energy Solutions", see:

<[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=104488&tsource=3](http://www.marketwire.com/mw/release_html_b1?release_id=104488&tsource=3)>

<[http://www.renewableenergystocks.com/Articles/Clean\\_Energy.asp](http://www.renewableenergystocks.com/Articles/Clean_Energy.asp)>



### **Arizona Solar 12-20-05**

According to this article, as Black Mesa Mine nears its final days of operation, a Phoenix company is proposing to bring two massive solar power plants to Navajo and Hopi lands to eventually replace lost jobs, power and revenue. News clip at:

<[http://www.azdailysun.com/non\\_sec/nav\\_includes/story.cfm?storyID=121519](http://www.azdailysun.com/non_sec/nav_includes/story.cfm?storyID=121519)>  
<<http://arizona.indymedia.org/news/2005/12/33829.php>>

### **Solar in Wisconsin 12-20-05**

For the article "Solar power heating up", see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7878845&ResultCategoryType=2,7&NewsPageID=3>>

Other press;

<[http://www.redorbit.com/news/science/334506/solar\\_energy/index.html?source=r\\_science](http://www.redorbit.com/news/science/334506/solar_energy/index.html?source=r_science)>

### **National Renewable Energy Laboratory, Budgets 12-20-05**

See the article "Layoffs in store at NREL" in the Rocky Mountain News Business Section at:

<[http://www.rockymountainnews.com/drmn/energy/article/0,2777,DRMN\\_23914\\_4328252,00.html](http://www.rockymountainnews.com/drmn/energy/article/0,2777,DRMN_23914_4328252,00.html)>.

Said Mike Waldron, DOE spokesman, "We at the DOE are actively engaged in balancing Congress' priorities with ongoing research activities at NREL. It is likely, however, some positions will be affected. But at this point we are in the process of evaluating the impact of congressionally directed projects both on jobs and research areas."

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=40750>>

Other press:

<<http://www.thedenverchannel.com/news/5585615/detail.html>>  
<[http://www.denverpost.com/news/ci\\_3325517](http://www.denverpost.com/news/ci_3325517)>

### **Growth for Chinese PV Industry [Edwin Koot] 12-20-05**

According to this article, the ambition of the Chinese PV industry is to grow about 400% in the coming 5 years. This is one of the conclusions in the survey report from SolarPlaza titled "The Chinese PV Market and Industry". For more on this story, see SolarPlaza at:

<<http://www.solarplaza.com/content/pagina/Chinese%20PV%20Market%20Rapport/43437>>  
<<http://www.solarplaza.com/content/news.php>>

### **The Bull Market Report 12-19-05**

For information on a subscription service carrying "The Bull Market Report Investigates Whether Solar Energy Companies Will Continue to Remain Hot", see:

<<http://www.chron.com/disp/story.mpl/prn/texas/3534479.html>>

### **Sunbeam [Carolyn Beach] 12-19-05**

For the latest copy of Sunbeam, the eNewsletter of ASES, see:

<[http://www.ases.org/chapter\\_newsletter/2005/ND05/ND05.html](http://www.ases.org/chapter_newsletter/2005/ND05/ND05.html)>

### **Alternative Energy in the U.S. 12-19-05**

The United States has not joined the Kyoto Protocol to cut greenhouse gases, but the pact nevertheless is boosting sales for American companies that market clean energy technologies. See "Kyoto Treaty Powers Up U.S. Alternative Energy Firms" at: <<http://www.latimes.com/business/la-fi-kyoto19dec19,1,454089.story?coll=la-headlines-business>>

### **Canadian Solar Companies Look Abroad 12-19-05**

According to this article, Canadian companies that design, manufacture and sell solar-energy technologies are increasingly looking overseas to do business, especially in the booming European market. See "Solar companies look abroad for growth" at:

<<http://www.businessedge.ca/article.cfm/newsID/11277.cfm>>

### **California RPS 12-19-05**

According to Greenwire [subscription], the California Public Utilities Commission endorsed a report stating that it's possible for the state to enact a renewable portfolio standard of up to 33% by the year

2020 if transmission constraints can be eliminated.

Greenwire: <<http://www.eenews.net/Greenwire.php>>

<[http://www.crs2.net/HTMLemails/2005/CRS\\_CPUC\\_33\\_Report\\_release-12-15-05.htm](http://www.crs2.net/HTMLemails/2005/CRS_CPUC_33_Report_release-12-15-05.htm)>

### **California Solar 12-19-05**

For the story "A Bright Future with California Solar Initiative" at RenewableEnergyAccess, see:

<<http://renewableenergyaccess.com/rea/news/story?id=40708>>

### **Polysilicon Shortage 12-19-05**

In its recently released annual report, "Semiconductor – China's Solar Energy Market Annual Report 2005-2006", Analysys International says that China's enormous shortage of polysilicon will become the bottleneck for the PV energy industry explosion in the coming years. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7B092105C0-0001-420B-90A2-D83CC73F1ECF%7D&siteid=mktw&dist=nbk&symb>>

Analysys: <<http://english.analysys.com.cn/news.php?id=131>>

<<http://english.analysys.com.cn/>>

### **Renewables in Canada [Bill Eggertson] 12-16-05**

For news from the Canadian Association for Renewable Energies, see:

<<http://www.renewables.ca/main/main.php>>

### **Alternative Energy Sector 12-16-05**

Per this article, analysts are bullish on the solar energy sector, particularly in China. Story at:

<<http://sq.biz.yahoo.com/051216/15/3xb7w.html>>

Related news: <<http://www.interfax.com/4/114094/news.aspx>>

### **Solar Energy Business Booming 12-16-05**

For the article "GT, SunPower see record solar orders", see:

<<http://www.eetimes.com/news/latest/showArticle.jhtml?articleID=175003279>>.

### **Tax Credits 12-15-05**

For the story "Get tax credits for energy improvements" at Bankrate.com, see:

<<http://www.bankrate.com/brm/news/real-estate/20051116a1.asp>>

SEIA: <<http://www.seia.org/>>

### **Solar Thermal Market 12-15-05**

Shipments of solar thermal collectors in the United States jumped 23% last year according to the Department of Energy's Energy Information Administration. Story at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=33781070&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=33781070&accnum=1&topics=>)

<<http://www.eia.doe.gov/cneaf/solar.renewables/page/solarreport/solar.html>>

### **Clinton on Renewables 12-15-05**

"We can create jobs out of wind energy, out of solar energy, out of biofuels, out of hybrid engines, out of a systematic determination to change the lighting patterns, the insulation patterns, the efficiency standards of all buildings and all appliances," Bill Clinton told the COP11/MOP1 meeting in Montreal.

More at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=92681521&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=92681521&accnum=1&topics=>)

Remarks: <<http://www.sierraclub.ca/national/postings/clinton-speech-12-2005.html>>

### **Coverage of the Solar Decathlon on DIY Network 12-15-05**

For coverage of the Solar Decathlon at the DIY Network, see:

<[http://www.diynetwork.com/diy/specials/episode/0,2046,DIY\\_14360\\_40620,00.html](http://www.diynetwork.com/diy/specials/episode/0,2046,DIY_14360_40620,00.html)>

Additional shows are scheduled for January 29 and 30, 2006.

<[http://www.diynetwork.com/diy/pac\\_cntntext/0,2019,DIY\\_14161\\_35225,00.html](http://www.diynetwork.com/diy/pac_cntntext/0,2019,DIY_14161_35225,00.html)>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Solar in Florida 12-15-05**

For the story "Solar-power push heats up", see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=784>

[8068&ResultCategoryType=2,7&NewsPageID=3](#)>. Per the article, "As state leaders gather [today] in Tallahassee to discuss the state's energy future, the message from solar-power proponents will be clear: Florida isn't doing enough to take advantage of its sunny nature."

#### **Investing in Renewable Energy 12-14-05**

The total global investment in clean energy in 2005 will be around \$42.2 billion according to estimates from New Energy Finance. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=40533>>

New Energy Finance: <<http://www.newenergyfinance.com/>>

#### **Solar Power Advice to Indian Reservations 12-14-05**

As a contractor to Sandia National Laboratories Tribal Energy Program, Debby Tewa provides technical advice about maintaining PV units to people on Indian reservations who live remotely, as she did.

Press at:

<<http://www.sandia.gov/news-center/news-releases/2005/renew-energy-batt/tewa.html>>

#### **Connecting to the Grid [Rusty Haynes] 12-14-05**

The December 2005 IREC "Connecting to the Grid" newsletter is now available at

<<http://www.irecusa.org/connect/enewsletter.html>>. This monthly newsletter covers issues related to interconnection, net metering and distributed generation at the state, federal and international levels.

#### **Using Renewable Energy [Marquerite Kelly] 12-14-05**

For a new NREL fact sheet "How do I use renewable energy in my region", including information on the Geospatial Toolkit, see: <<http://www.nrel.gov/docs/fy06osti/37058.pdf>>

#### **Colorado Renewables Tools 12-13-05**

The Governor's Office of Energy Management and Conservation and the Governor's Office of Economic Development & International Trade announced 2 new tools for bringing economic development to rural Colorado through renewable energy. See more about "The Handbook on Renewable Energy Financing for Rural Colorado, and a wind-energy study at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b17f500a1-8226-4fa8-91ec-4823943aafefb%7d&siteid=mktw&dist=nbk&symb=>>

OEMC: <<http://www.colorado.gov/oemc/>>

#### **Solar and Wind in the UK 12-12-05**

Mini wind turbines, solar panels, and other small-scale technologies could provide a substantial portion of the UK's energy needs by 2050, according to a new report published from the Energy Saving Trust.

Story at: <<http://www.24dash.com/content/news/viewNews.php?navID=7&newsID=1806>>

Energy Saving Trust: <<http://www.est.org.uk/>>

#### **Renewable Energy Business Model [Claire Broido Johnson] 12-12-05**

See the Economist article, "Sunrise for renewable energy" (subscription required). Per the article, "Money is pouring in as venture-capital firms, including many not previously interested in renewable energy, throw money at renewables." And, "Sun Edison, an American start-up backed by Goldman Sachs and BP, has devised a clever new business model that overcomes a number of the real-world obstacles that have hitherto stymied renewable-energy projects."

SunEdison: <<http://www.sunedison.com/index.php>>

#### **Business in China 12-9-05**

Per this article, GE China will expand into new energy areas such as nuclear, wind and solar energy in line with China's efforts to use more non-fossil energy. For the story "GE, Siemens Express Confidence in China", see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7811214&ResultCategoryType=2,7&NewsPageID=3>>

GE: <<http://www.ge.com.cn/>>

<<http://gectc.com/>>

### **IREC Newsletter [Jane Pulaski] 12-9-05**

For the latest issue of the Interstate Renewable Energy Council and the Department of Energy's Million Solar Roofs Newsletter, with coverage of schools going solar, interconnection/net metering, incentives, rebates, community outreach, and other topics, see:

<<http://www.irecusa.org/commout/enewsletter.html>>

For example, see the article on the ribbon-cutting ceremony for the 51 kW PV system in Dixon, Illinois, installed by Spire: <[http://www.irecusa.org/articles/static/1/1133822977\\_987099548.html](http://www.irecusa.org/articles/static/1/1133822977_987099548.html)>

Spire Solar: <<http://www.spiresolar.com/index.html>>

### **U.S. Energy Secretary, "No Silver Bullet" 12-9-05**

For a Q&A with Energy Secretary Samuel Bodman in which the Secretary says, "There is no silver bullet that will solve our energy challenges", see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7810434&ResultCategoryType=2,7&NewsPageID=3>>

### **Renewable Projects Update 12-8-05**

DOE's State Energy Program publishes Conservation Update bimonthly to summarize renewable energy and energy efficiency projects of state energy offices. See the website at:

<[http://www.eere.energy.gov/state\\_energy\\_program/update/](http://www.eere.energy.gov/state_energy_program/update/)>

### **Solar Prize 12-8-05**

Bern's new Stade de Suisse stadium was awarded the European Solar Prize 2005 at a ceremony in Berlin. Story and photo at:

<<http://www.swissinfo.org/sen/swissinfo.html?siteSect=106&sid=6297486&cKey=1133970784000>>

### **EPIA Newsletter – December 12-7-05**

For the latest issue of the European Photovoltaic Association's Newsletter, with coverage of EPIA activities, events, company news, national news, European news and other topics, see:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp](http://www.epia.org/09newsletter/newsletter_new.asp)>

For example, for the PV Platform Website, see: <<http://www.eupvplatform.org/>>

### **IEA Database [Susannah Pedigo] 12-7-05**

More than 100 countries are now covered by IEA's online Global Renewable Energy Policies and Measures Database launched at the recent Beijing International Renewable Energy Conference 2005. See: <<http://www.iea.org/textbase/pamsdb/grindex.aspx>>

### **EERE Progress Alerts 12-6-05**

To subscribe to DOE's Energy Efficiency and Renewable Energy Progress Alerts, go to:

<[http://www.eere.energy.gov/news/progress\\_alerts/](http://www.eere.energy.gov/news/progress_alerts/)>

DOE Press:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=19290&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=19290&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

### **Building Integrated PV Testing and Evaluation Project 12-6-05**

For data and reports from the BIPV Testing & Evaluation Project – an element of the Commonwealth Biogas/PV Mini-Grid Renewable Resources RD&D Program – as well as announcements of new workshops, see the website at: <<http://pierminigrid.showdata.org/>>

<<http://www.pierminigrid.org/>>

PIER Program: <<http://www.energy.ca.gov/pier/index.html>>

### **European Renewables Market Review [Amy Cole] 12-5-05**

Research and Markets is offering "The European Renewable Energy Industry Market Review 2005".

For information see: <<http://www.researchandmarkets.com/reports/c28899/>>

### **Energy Efficient Home Design 12-5-05**

For the story, "UT professor finds his place in the sun", featuring the Compaan's, who have installed 96 solar panels on their roof, see:

<<http://www.toledoblade.com/apps/pbcs.dll/article?AID=2005512050318>>

### **Human Right To Renewable Energy 12-5-05**

The World Renewable Energy Assembly 2005 in Germany ended with the adoption of the final communiqué entitled "The Human Right to Renewable Energy". More on this Assembly at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=40096>>  
WCRE: <<http://www.wrea2005.org/>>

### **Distributed Energy Quarterly Report [Jamie Wimberly] 12-5-05**

The Distributed Energy Financial Group (DEFG) LLC released the 3Q edition of the Distributed Energy Stock Index (DESI) Quarterly Report. To obtain a copy, visit: <<http://www.defgllc.com>>

### **Solar Decathlon 12-2-05**

See the article, "Solar Decathlon provides lessons for home builders", the second in a 2-part series, at: <<http://www.mortgage101.com/partner-scripts/inman.asp?ID=49029>>  
Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Solar Credits [Tim Merrigan] 12-2-05**

For the article "Do Solar While the Credit Shines", see Forbes at:  
<<http://www.forbes.com/personalfinance/taxes/free%5Fforbes/2005/1212/192.html%3Fpartner=rss>>

### **Solar Water Heating 12-2-05**

Water heaters consume 13% of residential and 6% of all commercial energy in the U.S., per "Solar & Efficient Water Heating: A Technology Roadmap" developed by the industry and facilitated by DOE's Solar Energy Technologies Program. For more on the roadmap and the goal to reduce primary fossil fuel use for water heating, see coverage at ReFocus at:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=18543643&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=18543643&accnum=1&topics=>)  
Roadmap: <<http://www.nabcep.org/documents/Water%20Heating%20Roadmap%20USDOE.pdf>>  
Additional news at ReFocus: <<http://www.sparksdata.co.uk/refocus/newsdesk.asp?accnum=1>>

### **American Energy Harvest Plan 12-2-05**

For a speech by Pennsylvania Governor Edward Rendell to the National Press Club titled "An American Energy Harvest Plan: Jobs, Prosperity, Independence", see:

<<http://www.governor.state.pa.us/governor/cwp/view.asp?a=3&q=444223>>. In the speech, Rendell calls for federal goals, saying that federal alternative energy portfolio standards should include a requirement that at least 10,000 MW of solar and 100,000 MW of wind power are deployed by 2015. More News at SEIA: <<http://www.seia.org/>>

### **IEA Open Energy Technology Bulletin 12-1-05**

For access to IEA's Open Energy Technology Bulletin, including coverage of energy policies of IEA Countries, technology newsletters, etc., see: <<http://spider.iea.org/impagr/cip/index.htm>>

### **GE on Solar 12-1-05**

Ali Iz, head of technology growth at GE Energy, says there's a lot of interest from big-box stores to go solar and that one of the best markets for going solar is New Jersey. See the interview at:  
<<http://www.marketwatch.com/tvradio/playerFull.asp?media=1&band=0&remPref=1&guid=%7B6FA4300A-4ED4-4137-9E21-B9F44BEAE776%7D&siteid=mktw>>

### **Photon International Contents 12-1-05**

For the contents of Photon International December 2005, including some live links (in red), see:  
<[http://www.photon-magazine.com/photon/news\\_issue\\_2005-12.htm](http://www.photon-magazine.com/photon/news_issue_2005-12.htm)>  
Photon International: <<http://www.photon-magazine.com/>>

### **European Panel and Cell Manufacturers 12-1-05**

ENF announced the publication of the sales results of European solar power cell and panel manufacturers. Fifty-eight panel manufacturers and 17 cell manufacturers are covered in the report. Press at enf.cn: <<http://www.enf.cn/news/051201/1.html>>

## Solicitations, RFPs, LOIs, etc. & Awards

### **Financial Opportunities [Green Power Network] 12-30-05**

For the latest listing of financial opportunities at the Green Power Network, see:  
<<http://www.eere.energy.gov/greenpower/financial/>>

### **City of Oakland Solar RFP, California 12-19-05**

The City of Oakland is soliciting proposals from firms interested in providing professional and construction services for PV generation systems on city facilities. Information at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR592.htm>>

### **BP Educational Grant, Texas 12-15-05**

Teachers in the Brazoria, Chambers, Fort Bend, Galveston and Harris Counties are eligible to participate in a \$1 million grant program offered by BP. The A+ for Energy program is offered to all accredited teachers in grades Pre-K through 12. Press at:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0718C55F-AC76-419D-9F31-38534A49A239%7d&siteid=mktw&dist=nbk&symp="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0718C55F-AC76-419D-9F31-38534A49A239%7d&siteid=mktw&dist=nbk&symp=)>

A+ for Energy: <<http://www.aplusforenergy.com/>>

### **Renewable RFP [Green Power Network] 12-14-05**

Kauai Island Utility Cooperative has issued an RFP for purchase of electricity from renewable energy sources to meet Hawaii's RPS. See: <[http://www.kiuc.coop/pdf/rfp\\_renewable.PDF](http://www.kiuc.coop/pdf/rfp_renewable.PDF)>  
Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

### **Massachusetts and Connecticut Renewables Funding 12-14-05**

Both Massachusetts and Connecticut are currently accepting applications for renewable energy funding. More at EERE Network News [Kevin Eber]:

<[http://www.eere.energy.gov/news/enn.cfm#id\\_9592](http://www.eere.energy.gov/news/enn.cfm#id_9592)>

<<http://www.eere.energy.gov/news/enn.cfm>>

### **New York Funding Opportunities [SEPA Newsletter] 12-9-05**

For the New York State Energy Research and Development Authority Funding Opportunities, including Photovoltaic Incentives for Eligible Installers and Renewable Energy Technology Manufacturing Incentive Program and others, see: <<http://www.nyserda.org/Funding/funding.asp?i=2>>  
Solar Electric Power Association: <<http://www.solarelectricpower.org/>>

### **Portland General Electric RFQ 12-9-05**

Portland General Electric has issued an RFQ for a turnkey project to design and install a PV generation project at the Oregon Zoo in Portland. Information at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR588.htm>>

PGE: <[http://www.portlandgeneral.com/about\\_pge/news/](http://www.portlandgeneral.com/about_pge/news/)>

### **New Mexico Clean Energy Projects 12-8-05**

The New Mexico Energy, Minerals and Natural Resources Department approved a total of \$2 million in grants to 21 organizations that applied for funding from the Clean Energy Program. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7801538&ResultCategoryType=2,7&NewsPageID=3>>

New Mexico EMNR: <<http://www.emnrd.state.nm.us/EMNRD/MAIN/>>

<<http://www.emnrd.state.nm.us/emnrd/ecmd/>>

### **Connecticut Clean Energy Fund 12-7-05**

The Connecticut Clean Energy Fund announced it is accepting applications for its new On-site Distributed Generation Program. Information at:

<[http://www.ctcleanenergy.com/funding/onsite\\_renewable\\_dg\\_program.html](http://www.ctcleanenergy.com/funding/onsite_renewable_dg_program.html)>

### **NSF Grant for PV-Powered Intelligent Heating-Cooling 12-6-05**

A \$300,000, 3-year grant from the National Science Foundation will fund research to increase the



efficiency of an intelligent heating and cooling system and adaptability by reducing it to the micrometer scale. Developed by Steven Van Dessel, assistant professor of architecture at Rensselaer, the patented Active Building Envelope system uses photovoltaics to power a series of thermoelectric heat pumps that are integrated into a building envelope. An energy storage mechanism is also integrated into the system. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7794493&ResultCategoryType=2,7&NewsPageID=3>>

Rensselaer Press: <[http://news.rpi.edu:80/update.do?artcenterkey=1246&setappvar=page\(1\)](http://news.rpi.edu:80/update.do?artcenterkey=1246&setappvar=page(1))>

#### **Western Regional Office Solicitations Information 12-5-05**

The Western Regional Office of DOE has compiled a list of open solicitations recently announced by foundations and public agencies to support research and implementation of energy efficiency, renewable energy, sustainable development, and related environmental development. Information at: <<http://www.eere.energy.gov/regions/western/solicitations.html>>

#### **Origin Energy Technology Grant [Natali Nagy, Sally Owen] 12-5-05**

Origin Energy's SLIVER® technology received a \$5 million grant from AusIndustry's Renewable Energy Development Initiative (REDI) program. The grant will assist Origin in taking SLIVER technology to international markets, as well as enable Origin Energy Solar to continue its SLIVER research and development program and manufacturing process development. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASTE11.htm>>

Origin Energy: <<http://www.originenergy.com.au/>>

Origin Press: <[http://www.originenergy.com.au/news/news\\_detail.php?pageid=82&newsid=631](http://www.originenergy.com.au/news/news_detail.php?pageid=82&newsid=631)>

### **Competitions**

#### **Energy Freedom Challenge 12-12-05**

The capital of Texas – Austin – has pledged to become the first city in the U.S. to enter a national contest for cities to source half of their electricity from wind, solar, or bioenergy. Story at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=24348086&accnum=1&topics=](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=24348086&accnum=1&topics=)

More information: <[http://www.ucusa.org/news/press\\_release/austin-energy-freedom.html](http://www.ucusa.org/news/press_release/austin-energy-freedom.html)>

<<http://www.solaraustin.org/issues.html>>

Additional stories at ReFocus: <<http://www.sparksdata.co.uk/refocus/newsdesk.asp?accnum=1>>

### **Additional**

#### **EERE Assistant Secretary 12-30-05**

President Bush nominated Alexander Karsner to be the Energy Department's assistant secretary for energy efficiency and renewable energy. Karsner is the founder and managing director of Enercorp.

Enercorp: <<http://www.enercorp.us/>>

#### **Los Alamos Contract Decision 12-21-05**

Secretary of Energy Samuel Bodman will announce the selection of the new management and operating contractor for the Los Alamos National Laboratory at 2pm today in Washington, D.C.

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=19406&BT\\_CODE=PR\\_MEDIAADVISORIES&T\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=19406&BT_CODE=PR_MEDIAADVISORIES&T_CODE=PRESSRELEASE)>

#### **Sunrise Powerlink Update 12-16-05**

San Diego Gas & Electric has submitted its initial filing with the California Public Utilities Commission explaining in detail the need for the Sunrise Powerlink – a major new transmission line between the San Diego region and the Imperial Valley – by 2010. Among the needs: "Access to environmentally friendly sources of energy, such as solar, wind and geothermal would be significantly expanded to harness renewable resources generated in Imperial County and elsewhere". Story at:

<<http://www.sdge.com/sunrisepowerlink/newsroom/releases/release6.htm>>

SDGE Sunrise Powerlink: <<http://www.sdge.com/sunrisepowerlink/index.html>>

**Orbach Nomination 12-15-05**

President Bush nominated Raymond Orbach as the first Under Secretary for Science at DOE. Orbach has been DOE's science director since 2002.

Office of Science, Director: <<http://www.er.doe.gov/Sub/Director/biography.htm>>

Nominations: <<http://www.whitehouse.gov/news/releases/2005/12/20051213-3.html>>

**Apollo Alliance President 12-9-05**

The Apollo Alliance announced that Jerome Ringo is the new president. The alliance is a coalition of labor, environmental, business, national security, civil rights, urban, rural and faith leaders fighting to make America independent from foreign energy in 10 years. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aeQ49S1oLrId?id=40307>>

Apollo Alliance: <<http://www.apolloalliance.org/>>

**Bavaria Solarpark Award [Susan DeVico] 12-7-05**

Power Engineering Magazine presented Bavaria Solarpark with its Renewable Project of the Year Award at the Power-Gen Conference in Las Vegas, Nevada. The 10-MW solar project was designed and installed by PowerLight Corporation.

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7795201&ResultCategoryType=2,7&NewsPageID=3>>

PowerLight Corporation: <<http://www.powerlight.com/>>

Power Engineering:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Epower%2Deng%2Ecom&template=2,2>>

**Glenn Hamer at AZGOP 12-6-05**

Arizona Republican Party Chairman Matt Salmon announced that Glenn Hamer has been selected as the Executive Director of the Arizona Republic Party. Hamer was the former Executive Director of the Solar Energy Industries Association, as well as a senior executive at First Solar and ASPv-PVMA president. Press at: <<http://www.azgop.org/News/Read.aspx?ID=259>>

First Solar Press 4/04: <[http://www.firstsolar.com/company\\_news.php](http://www.firstsolar.com/company_news.php)>

ASPv Launch:

<<http://www.keepmedia.com/pubs/EnvironmentNewsService/2005/03/02/739379?extID=10037&oliID=229>>

ASPv: <<http://www.forsolar.org/?q=node/4>>

## NOVEMBER

### Solar Installations, Projects

#### **More On Wine Co-Op Solar Arrays 11-30-05**

The Wine Service Co-Operative dedicated a 428-kW solar electric system for its Napa Valley facilities. The system, installed by PowerLight, comprises 2,085 Sharp modules covering a total of 38,000 square feet. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39920>>

PowerLight: <<http://www.powerlight.com/>>

<[http://www.powerlight.com/company/press-releases/2005/11.18.05\\_WineServiceCo-Op.shtml](http://www.powerlight.com/company/press-releases/2005/11.18.05_WineServiceCo-Op.shtml)>

#### **Yucca Valley PV, California 11-30-05**

Using SCHOTT Solar, Inc. PV panels, and working with EMCOR Energy Services, Yucca Valley completed a 56.7-kW PV project, while replacing a deteriorating roof for the Town Hall/Library buildings. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR584.htm>>

SCHOTT: <<http://www.rweschottsolar.us/>>

EMCOR: <<http://www.emcorgroup.com/index.cgi/90>>

#### **Solar Power for Homeless Shelter, California 11-28-05**

Sun Power & Geothermal Energy installed a 22-kW solar system on the roof of Petaluma's Mary Isaak Center, a facility operated by the Committee on the Shelterless. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39807>>

Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

#### **Eden Center Solar, UK 11-28-05**

True to the Eden Project's principles, the new education and research facility called "The Core" is an example of sustainability utilizing building-integrated PV. Story and photos at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR248.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=alzUtkKVtpmg?id=39805>>

solarcentury: <<http://www.solarcentury.co.uk/>>

Eden Project: <<http://www.edenproject.com/>>

#### **China's Energy Projects 11-23-05**

China will undertake 6 major energy production projects in the 2006-2010 period, including large wind power plants and solar energy power installations. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7750764&ResultCategoryType=2,7&NewsPageID=3>>

**Wine Co-Op Solar Arrays, California 11-23-05**

The Wine Service Co-Operative dedicated a 428-kW solar electric system for its Napa Valley facilities, furnished by PowerLight. Story and photos at:

<<http://www.solarbuzz.com/News/NewsNAPR582.htm>>

PowerLight: <<http://www.powerlight.com/>>

**Vallecitos Water District Solar, California 11-23-05**

The Vallecitos Water District will install solar panels in the parking lot of its administrative and operations office, using a \$1.2 million grant from the San Diego Regional Energy Office and \$1.9 million from its capital improvements budget. Story through Solarbuzz at:

<<http://www.nctimes.com/articles/2005/11/22/news/inland/112105195421.txt>>

**Cline Cellars' Solar 11-22-05**

Cline Cellars announced substantial completion of the winery's new PV system. Designed and built by SolarCraft Services Incorporated, the system will provide 100% of the winery's annual electricity needs for its Carneros production facility. Stories and photos at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR581.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aQgfScxkfIXa?id=39624>>

SolarCraft: <<http://www.solarcraft.com/>>

**Sharp's Solar Contribution 11-22-05**

Sharp Electronics donated a 4.5-kW PV system and 1-kW wind generator that will generate the electricity for a family's house reconstruction to be televised on ABC's Extreme Makeover: Home Edition in January. Sharp contributed 27 167-W modules and a Sunvista inverter for a system designed and installed by Ramsey Environmental. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=39626>>

Sharp: <<http://solar.sharppusa.com/solar/home/0,2462,,00.html>>

**Solar Apartments, South Korea 11-21-05**

The Ministry of Planning and Budget announced that 54 billion won from the electric power industry fund would be invested next year to install solar energy generators in 1,400 low-income rental apartment households and 2,000 general houses. Press at:

<<http://english.donga.com/srv/service.php3?bicode=020000&biid=2005112198098>>

**More on San Francisco PV System 11-21-05**

San Francisco Mayor Gavin Newsom joined community leaders and the San Francisco PUC to officially start operation of a new 255-kW solar electric system at the Southeast Wastewater Treatment Plant. The PV system was constructed by PowerLight. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39574>> and Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAPR578.htm>>

PowerLight: <<http://www.powerlight.com/>>

**Fallon Tribe Solar Rebate 11-21-05**

The Fallon Paiute-Shoshone Tribe received a \$50,390 rebate check from Sierra Pacific Power for using solar energy at its new administration building. Alternative Energy Solutions installed the PV system. Story at:

<<http://news.rgj.com/apps/pbcs.dll/article?AID=/20051118/FALLON/511180423/1029>>

**Italy's Solar Help for Beijing Olympics 11-21-05**

Italy will help Beijing build a solar energy system for the city's Olympic Village, supplying hot water and electricity for the Games in 2008 and beyond. The solar energy system will be jointly constructed by the Guao Investment and Development Co. Ltd of China, and Italy's Merloni TermoSanitari International Trading Co. Ltd. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7737311&ResultCategoryType=2,7&NewsPageID=3>>

**WorldWater & Power Contracts 11-21-05**

WorldWater & Power Corp. announced it has signed a \$3.1 million contract to build and install solar electric power systems for West Pico Food, Inc., in Vernon, California. Plans call for construction and installation of the systems to be managed and supervised by Quantum Energy Group, a firm acquired

by WorldWater & Power Corp. earlier this year. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR580.htm>>

WorldWater & Power Corp. also announced that it has signed a \$928,928 contract to build and install a solar electric power system for a commercial building in Sewell, New Jersey. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB4780162-9D95-4F92-845E-E687BDAE4F2E%7d&siteid=mktw&dist=nbk&symb=>>>  
WorldWater & Power: <<http://www.worldwater.com/>>  
Quantum Energy Group: <<http://www.quantumenergygroup.com/pages/1/index.htm>>

#### **Multi-MW PV Project in Germany 11-21-05**

Nastro Umwelttechnik GmbH, a 100% subsidiary of Reineke + Pohl Sun Energy AG, has received an order to build a 3.4 MW PV system. The customer is KSP Kluenemann Solar-Project GmbH & Co. KG. The 3.4 MW peak will be met using 34,560 modules of both crystalline silicon and thin film technologies. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR246.htm>>  
Reinecke + Pohl, Sun Energy: <[http://www.rpse.de/index\\_m.php](http://www.rpse.de/index_m.php)>

#### **PV Water Pumping, India 11-18-05**

Aiming to popularize the use of the Solar Photovoltaic Water Pumping System, the Haryana government increased the state subsidy on this system from Rs 40,000 to Rs 50,000 per pump. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:  
<<http://news.webindia123.com/news/showdetails.asp?id=165090&cat=India>>

#### **Solar Bakery, California 11-17-05**

WorldWater & Power Corporation has signed a \$1.2 million contract to build and install a solar electric power generation system for Los Angeles Baking. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR579.htm>>  
WorldWater & Power: <<http://www.worldwater.com/>>

#### **Portugal's 62 MW PV Project 11-17-05**

A 62 MW PV project, in the planning stages for more than 2 years, is moving forward. The Girassol project would be located in Moura in the interior region of Alentejo, Portugal. There are 2 major stakeholders, according to the European Union's renewable energy initiative "Campaign for Take-off". Amper Central Solar, S.A. is the lead organization. The other partner is BP solar, which will provide the modules and be responsible for construction and technical management. BP will also build an on-site solar cell and module production facility, as well as an inverter manufacturing unit. Story and further links at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aNEseYuFhsF5?id=39442>>  
Amper Central Solar, S.A.: <<http://www.amper.pt/>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

#### **Stirling Energy Systems Deals in California 11-16-05**

For more on the plans at Southern California Edison and San Diego Gas & Electric projects with Sterling Energy Systems, see:  
<<http://www.wired.com/news/planet/0,2782,69528,00.html?tw=rss.TEK>>

#### **More on Sunrise Powerlink 11-16-05**

San Diego Gas & Electric officials unveiled a wide, triple-headed "corridor" inside of which they hope to build a new "energy superhighway", a 120-mile string of high-power lines from Imperial Valley into North County. More at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7705679&ResultCategoryType=2,7&NewsPageID=3>>

#### **SatCon Inverters 11-16-05**

SatCon Technology Corporation® announced that 2 of its utility-grade Powergate® solar inverters are being utilized as the power conditioning units for the new 502-kW solar electric system installed at New Jersey American Water's Canal Road Water Treatment Plant in New Jersey. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7709510&ResultCategoryType=2,7&NewsPageID=3>>

SatCon:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eusatcon%2Ecom&emplate=2,2>>

DomeTech Solar:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Edometechsolar%2Ecom&template=2,2>>

Schott: <<http://www.us.schott.com/solar/english/>>

### **More on Wal-Mart's Experimental Store [Kevin Eber] 11-16-05**

For additional coverage of Wal-Mart Stores, Inc. experimental store in Aurora, Colorado, see EERE Network News [Kevin Eber] at: <[http://www.eere.energy.gov/news/enn.cfm#id\\_9533](http://www.eere.energy.gov/news/enn.cfm#id_9533)>

Wal-Mart Press: <<http://www.walmartfacts.com/newsdesk/article.aspx?id=1485>>

Wal-Mart Experimental Stores: <<http://view2.fatspaniel.net/Wal-Mart/Aurora/HTML/>>

### **Solar in the Philippines 11-16-05**

The Philippine National Oil Corporation and the Department of Energy, in partnership with the Netherlands government, have installed 8,500 solar home systems in un-electrified rural households in seven regions. Story at: <<http://au.news.yahoo.com/051116/3/wtd8.html>>

### **SOLON Award 11-15-05**

SOLON AG has been commissioned by GeoSol Iberica S.L. to build several solar power plants in Spain. The projects involve a total output of over 8 MW and will be constructed in Andalusia. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR245.htm>>

SOLON AG: <<http://www.solonag.de/>>

GeoSol Iberica: <[http://www.asif.org/datos/asif/Pag\\_Web\\_SOCIOS/GEOSOL\\_IBERICA.html](http://www.asif.org/datos/asif/Pag_Web_SOCIOS/GEOSOL_IBERICA.html)>

### **Green Energy, Prescott, Arizona 11-14-05**

From the irrigation-well pump, to the lights and computer in the caretaker's house, to the small fan that cools the greenhouse, the power for Wolfberry Farm comes from PV solar panels. Story at the

Arizona Daily Sun: <[http://www.azdailysun.com/non\\_sec/nav\\_includes/story.cfm?storyID=119049](http://www.azdailysun.com/non_sec/nav_includes/story.cfm?storyID=119049)>

Wolfberry Farm: <<http://www.prescott.edu/highlights/farm.html>>

### **Solar Heaters in China 11-11-05**

South China's Guangdong Province plans to install 10,000 solar energy heaters from 2006 to 2010. Press at: <<http://au.biz.yahoo.com/051111/17/d0cy.html>>

### **Congressionally Directed Solar Projects 11-11-05**

Brockton Mayor John T. Yunitis Jr. said that \$800,000 in federal funds will help build a solar energy facility in Brockton, Massachusetts. The funds are directed in the FY 2006 Energy and Water Development appropriations conference report (\$700,000 from the solar energy appropriations sub account; \$100,000 from the Office of Science appropriations account). Yunitis said construction and installation of the solar panels are expected to begin in December. Story through Solarbuzz at:

<<http://www.enterpriseneews.com/articles/2005/11/11/news/news/news05.txt>>

### **Solar Electricity in Nepal 11-11-05**

Ten solar electrification projects have been carried out in various districts of Nepal. All of these projects were executed by Central Electronics Limited, a Public Sector Undertaking of the Indian Government in partnership with the Alternative Energy Promotion Centre. Press at:

<<http://www.nepalnews.com/archive/2005/nov/nov11/news11.php>>

### **Livermore Solar Community Proposal, California 11-10-05**

A developer's attempt to build what it claimed would be the country's largest solar-powered community on currently protected land was rejected by voters. Story through Solarbuzz at:

<[http://cbs5.com/local/local\\_story\\_313031518.html](http://cbs5.com/local/local_story_313031518.html)>

### **Social Security Administration Solar 11-10-05**

DOE and Social Security Administration officials dedicated a new solar array atop SSA's downtown Chicago office building. ComEd, with PowerLight Corporation, provided technical and environmental



expertise to cover 7,920 square feet of roof space on SSA's building with PV modules utilizing Sanyo HIT cells. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR577.htm>>  
PowerLight: <<http://www.powerlight.com/>>  
June Press: <<http://phx.corporate-ir.net/phoenix.zhtml?c=124298&p=irol-newsArticle&ID=722255&highlight=>>>

#### **Wal-Mart Experimental Supercenter 11-9-05**

A 2<sup>nd</sup> Wal-Mart Experimental Supercenter is opening in Aurora, Colorado. The store will test over 50 different experiments to help evaluate some technologies that help achieve sustainability goals. Wal-Mart has contracted with NREL to provide monitoring, testing, and analysis on store systems and materials, based on national scientific measurements and standards, for a period of 3 years. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={85FF6E93-0D30-45AE-A4B4-F8D27485B69A}&siteid=mktw&dist=nbk&symb=>>>  
Wal-Mart Facts: <<http://www.walmartfacts.com/>>

#### **Solar in Indonesia 11-8-05**

The Indonesian government plans to set up 15,000 solar power and microhydro power plants in the eastern regions next year in an effort to meet electricity needs. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at: <<http://asia.news.yahoo.com/051107/4/2a8pk.html>>

#### **Solar Panels in China 11-8-05**

For the article "Chinese Solar Panels Power Army Outposts", featuring SunOasis, see Reuters at: <<http://www.alertnet.org/thenews/newsdesk/PEK273848.htm>>  
SunOasis: <<http://www.sun oasis.com.cn/en/>>

#### **Solar Power Plant, New Delhi, India 11-7-05**

Per this press, a 5-MW solar energy power plant will be set up at the Rashtrapati Bhavan. More at: <<http://www.newkerala.com/news.php?action=fullnews&id=49250>>

#### **Kyocera Solar Electric System for Model Home 11-4-05**

Kyocera Solar, Inc. announced the installation of a 2.5 kW MyGen Meridian™ building-integrated solar system on a D.R. Horton model home in Lincoln, California. D.R. Horton, Inc. is now offering the MyGen Meridian system as an option on its new homes in the Horton Augustus development. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bA957007A-01F9-4E22-A4F8-774EC7E7E85B%7d&siteid=mktw&dist=nbk&symb=>>>  
Kyocera Solar: <<http://www.kyocerasolar.com/>>  
D.R. Horton: <<http://www.sacramento.drhorton.com/>>

#### **UK Solar at CIS Tower 11-3-05**

Prime Minister Tony Blair switched on the Co-operative Insurance Society (CIS) Solar Tower project in Manchester. Story at: <<http://www.prnewswire.co.uk/cqi/news/release?id=157506>>

#### **Solar Thermal Power Plant, Nevada 11-2-05**

A 64-MW solar thermal power plant is being constructed in Nevada with key components from SCHOTT. The plant is being built near Boulder City, Nevada and is expected to begin providing power to the grid in 2007. SCHOTT will be partnering with Solargenix Energy LLC. See the story at RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/market/business/viewstory?id=38720>>  
SCHOTT: <[http://www.us.schott.com/english/news/press\\_releases.html](http://www.us.schott.com/english/news/press_releases.html)>  
<<http://www.us.schott.com/english/index.html>>  
Solargenix: <<http://www.solargenix.com/>>

#### **PV at Staples 11-2-05**

SunEdison LLC and "SunE Solar Fund I" have financed and installed two solar power systems totaling 560 kW at two Staples, Inc. distribution facilities in California. For the story and photos, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNAPR569.htm>>

SunEdison: <<http://www.sunedison.com/>>  
<[http://www.sunedison.com/cs\\_staples\\_rialto.php](http://www.sunedison.com/cs_staples_rialto.php)>  
Staples: <<http://investor.staples.com/phoenix.zhtml?c=96244&p=irol-corporateresponsibility>>

### **Tucson Electric Power Solar Power 11-205**

Tucson Electric Power Co. has expanded Tucson's solar generating capacity with a new 60-kW PV system at the downtown, Pennington Street Parking Garage. The system, designed by American Solar Electric Co., includes 360 Kyocera 167-watt solar panels connected to 10 Sunny Boy inverters. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR571.htm>>  
Tucson Electric Power: <<http://www.tucsonelectric.com/>>  
American Solar Electric: <<http://www.americanpv.com/aboutus.html>>  
<<http://www.americanpv.com/>>  
Kyocera: <<http://global.kyocera.com/index2.html>>  
<<http://www.kyocerasolar.com/>>  
SMA-Sunny Boy: <<http://www.sma-america.com/index.aspx>>

### **Yucca Valley Solar, California 11-2-05**

Yucca Valley has installed 324 PV panels on city buildings. For the story through Solarbuzz, see: <<http://www.kesq.com/Global/story.asp?S=4040298>>

### **Multi-MW Solar Deployment 11-1-05**

The California Public Utilities Commission approved a contract for the initial deployment of 500 MW of concentrating solar power, with expansion options up to 850 MW. For more on this Stirling Energy Systems – Southern California Edison project, see the story at RenewableEnergyAccess: <[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=az\\_7dskzoSa6?id=38672](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=az_7dskzoSa6?id=38672)>  
Stirling Energy Systems: <<http://www.stirlingenergy.com/>>

### **Lassen County Solar, California 11-1-05**

For an article describing plans for a 200-MW solar plant in Lassen County using DBK Corporation's new "Omega Solar Panel™" see: <[http://www.lassennews.com/News\\_Story.edi?sid=2931&mode=thread&order=0](http://www.lassennews.com/News_Story.edi?sid=2931&mode=thread&order=0)>  
<<http://www.dbksolar.com/>>

### **Solar Energy Systems for Employees 11-1-05**

Hyundai Heavy Industries Co. has begun setting up solar power systems at employees' homes. The company is installing the newly developed systems with a view to expand its market and R&D activities in renewable energy technology. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASCO42.htm>>  
Hyundai Heavy Industries: <<http://www.hhi.co.kr/Korea/Default.asp>>  
<<http://english.hhi.co.kr/>>

## **Technology Applications**

### **NASA Mission 11-29-05**

NASA's Space Technology 8 mission is a technology demonstration mission with 4 payload experiments, one of which is a large flexible solar array. For information, see: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB1A8F83D-40DB-4590-B9A3-EE4B0BF54500%7d&siteid=mktw&dist=nbk&symb=>>>  
NASA (January 2005): <[http://www.nasa.gov/home/hqnews/2005/jan/HQ\\_05033\\_technology\\_experiments.html](http://www.nasa.gov/home/hqnews/2005/jan/HQ_05033_technology_experiments.html)>  
<<http://nmp.jpl.nasa.gov/tech-selected.html>>

### **Solar-powered Relay Stations 11-29-05**

Universal Communications Systems, Inc. subsidiary Millennium Electric T.O.U. Limited announced that the company has received a contract by Pelephone Israel to build and install the first PV Solar Powered Cellular relay stations out of 20 planned throughout the country to provide PV power for cellular phones microwave relay stations along Israel Highway No. 2. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7E29B49D-6D14-4893-AD26->

5D5D3A5AD7FF%7d&siteid=mktw&dist=nbk&symb=>  
Universal Communication Systems Inc.: <<http://www.ucsy.com/>>  
Millennium Electric: <<http://www.millenniumsolar.com/>>

### ***Solar Power Post-Hurricane [Blair Swezey] 11-28-05***

For the story "Post-Wilma power outages fuel interest in solar power", see: <[http://www.sun-sentinel.com/news/local/southflorida/sfl-csolarnov27\\_0\\_6020621.story?coll=sfla-news-sfla](http://www.sun-sentinel.com/news/local/southflorida/sfl-csolarnov27_0_6020621.story?coll=sfla-news-sfla)>  
Also, See "Solar power doesn't go out after a hurricane", at:  
<<http://www.gainesville.com/apps/pbcs.dll/article?AID=/20051127/APN/511270624>>

### ***Zero Energy Homes 11-23-05***

For the press release "Green Homes Go High Tech", from Ultimate Home Design, including the zero-energy home features, see: <<http://www.ultimatehomedesign.com/oph/>>  
LEED Rating System for Homes: <<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=147&>>

### ***Stratospheric Airship 11-21-05***

Raven Industries announced that its subsidiary, Aerostar International, Inc., along with Southwest Research Institute and the US Air Force Research Lab successfully launched and flew a powered stratospheric airship. Future flights will include multi-day missions with solar power. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7723225&ResultCategoryType=2,7&NewsPageID=3>>  
Southwest Research Institute: <<http://www.swri.edu/default.htm>>  
Raven Industries:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eravenind%2Ecom&template=2,2,0>>

### ***Hybrid Solar Air Conditioning 11-21-05***

SolCool One, LLC, with Diversified Product Industries Ltd., has completed installation of the first SolCool hybrid solar air conditioner and 1.2 kW PV PowerCenter at Diversified's model home in the Carmen Meadows development in Cabazon, California. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aEkqxtwHPIY8?id=39516>>  
More on SolCool: <<http://www.engadget.com/entry/1234000237060979/>>  
<[>](http://www.renewableenergyaccess.com/rea/market/business/view?cid=5339)>  
SolCool: <<http://www.solcool.net/>>

### ***Dominican Republic, Clean Water 11-21-05***

The Vice President of the Dominican Republic, Dr. Rafael Alburquerque, inaugurated the first SolarPedalflo installed in the Dominican Republic. Information at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aEkqxtwHPIY8?id=39580>>  
<<http://www.safewater.cc/>>

### ***Solar-Powered Trash Compactor 11-15-05***

Seahorse Power Company closed on \$1.1 million in financing to expand marketing, sales and manufacturing of the BigBelly(tm) solar powered trash compactor. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b463DB15F-AD62-4DAB-A143-83BD91AB9963%7d&siteid=mktw&dist=nbk&symb=>>>  
Seahorse Power Company: <<http://www.seahorsepower.com/>>

### ***Hospital in a Box 11-10-05***

A team of doctors and technicians from the UK's National Health Service has developed a solar-powered "hospital in a box", designed to allow a team of 3 surgeons to carry out life-saving operations almost anywhere in the world. Press at: <[http://www.three-fives.com/competitive\\_complementary\\_news/C&C\\_Nov\\_05/031105Solar\\_hospital\\_in\\_box.htm](http://www.three-fives.com/competitive_complementary_news/C&C_Nov_05/031105Solar_hospital_in_box.htm)>

## Technology Developments

### **Stellaris Concentrating PV Glazing 11-23-05**

Stellaris Corporation has developed Concentrating Photovoltaic Glazing, a new type of solar module technology that consists of small lenses that concentrate light onto narrow strips of thin-film PV material. Information at:

<<http://www.renewableenergyaccess.com/rea/news/productstory?id=37887>>

Stellaris: <<http://www.stellaris-corp.com/>>

### **Disposable Solar Panel 11-18-05**

Scientists at the University of Cape Town are exploiting the nano-scale properties of silicon to develop a super-thin disposable solar panel poster, which they hope could offer rural dwellers a cheap, alternative source of power. Per the article, the scientists have developed technology for printing specialized inks containing nanoparticles of silicon and other semiconductors onto paper. Story at:

<<http://www.businessday.co.za/articles/national.aspx?ID=BD4A114801>>

### **Hybridized Solar Cell 11-18-05**

NASA researchers have announced success in blending typical silicon-based solar cells with gallium arsenide cells. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39482>>

### **CIGS Cells [Kit Temple] 11-11-05**

Per this press, a new efficiency record for thin film foil cells (CIGS) was made by the Swiss Federal Institute of Technology Zurich. Dr. Ayodhya Tiwari, who has led the research, said that the technology already has one commercial manufacturer planning to set up production. Story at ENF.cn:

<<http://www.enf.cn/news/051109/1.html>>

ETH: <[http://www.ethz.ch/index\\_EN](http://www.ethz.ch/index_EN)>

### **Advanced Solar Cells on Station, NASA 11-10-05**

For the story "Harnessing the Sun: NASA Studies Advanced Solar Cells on Station", describing solar cell research conducted by NASA Glenn Research Center, the Massachusetts Institute of Technology, and Ohio State University, see:

<[http://www.redorbit.com/news/space/300546/harnessing\\_the\\_sun\\_nasa\\_studies\\_advanced\\_solar\\_cells\\_on\\_station/index.html?source=r\\_space](http://www.redorbit.com/news/space/300546/harnessing_the_sun_nasa_studies_advanced_solar_cells_on_station/index.html?source=r_space)>

### **Flexible Solar Cells 11-8-05**

According to this press, researchers at Wake Forest University's Center for Nanotechnology and Molecular Materials, with the help of researchers at New Mexico State University, have achieved an efficiency for organic solar cells of almost 6%. <<http://www.newswise.com/articles/view/515960/>>

### **Solar Sails 11-7-05**

Marshall Space Flight Center engineers and their industry partners have finished ground tests on a pair of futuristic solar sails. Story at:

<<http://www.decatordaily.com/decatordaily/news/051107/sails.shtml>>

### **Barnabus Update 11-1-05**

Barnabus Energy, Inc. announced progress achieved over the past 2 months by the team working toward development of the Suncone solar concentrator. Press at:

<<http://www.barnabusenergy.com/en/news/release.asp?numb=162>>

### **Solar Hydrogen 11-1-05**

Altair Nanotechnologies, Inc., in collaboration with the University of Nevada Las Vegas Research Foundation, announced the consortium has received a \$2.5 million Phase III grant award from the U.S. DOE for the joint development of solar hydrogen generation cells. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7621891&ResultCategoryType=2,7&NewsPageID=3>>

Altairnano:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2EAltairnano%2Ecom&template=2,2>>

UNLV Research Foundation: <<http://www.unlv.edu/Research/foundation.html>>

## Manufacturing

### **BP Solar Plant, Maryland 11-30-05**

Per this press, Frederick's BP Solar plant will add 82 jobs:

<<http://www.wjla.com/news/stories/1105/281788.html>>

### **Taiwan's Solar Cell Production 11-29-05**

A number of Taiwan companies are ramping up their production, or planning to move into production, of solar cells with the rising prospects of the solar energy industry. Story at:

<[http://www.digitimes.com/bits\\_chips/a20051128A4017.html](http://www.digitimes.com/bits_chips/a20051128A4017.html)>

### **Unaxis Expansion 11-22-05**

The Solar business unit of Unaxis is expanding its solar activities. The first deposition unit for mass production of solar cells has been installed at customer facilities, and further units are being produced.

Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA85.htm>>

Unaxis: <<http://www.unaxis.com/>>

### **ASiMI Expansion Choices 11-21-05**

ASiMI is considering where expand its silicon production. For info on options, see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7736144&ResultCategoryType=2,7&NewsPageID=3>>

ASiMI: <<http://www.asimi.com/>>

### **Using Less Silicon 11-16-05**

Kyocera Corp. said a new technology will help the company cut costs and cope with a surge in silicon prices. Said Chief Executive Yasuo Nishiguchi, "We're developing technology where we can significantly bring down the amount of the silicon wafer used". Press through Solarbuzz at:

<<http://www.bloomberg.com/apps/news?pid=10000101&sid=a502vDMHdvmQ>>

Kyocera: <<http://global.kyocera.com/prdct/solar/>>

### **Hemlock Expansion 11-15-05**

Hemlock Semiconductor will begin construction of a \$400-\$500 million expansion at its Hemlock, Michigan headquarters. The expansion is driven by increasing demand for polycrystalline silicon. Per the article, Hemlock Semiconductor expects the solar energy industry to grow at a 20-25% pace over the next 10 years. Hemlock is a joint venture of Dow Corning Corporation and 2 Japanese firms, Shin-Etsu Handotai Company, Ltd. and Mitsubishi Materials Corporation. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bA2D66A43-616A-4F82-8F96-E86B8E5FB692%7d&siteid=mktw&dist=nbk&symp=>>>

Hemlock Semiconductor Corporation: <<http://www.hscpoly.com/>>

Dow Corning: <<http://www.dowcorning.com/>>

### **XsunX Manufacturing 11-14-05**

XsunX, Inc. announced that the use of rolled flexible materials in the company's patented reel-to-reel cluster tool architecture could lead to low-cost, higher efficiency solar devices and provide an alternative to rigid wafer-based silicon cells. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b61EC45C4-55A6-43A6-97ED-067B51F44408%7d&siteid=mktw&dist=nbk&symp=>>>

XsunX: <<http://www.xsunx.com/>>

### **China's Silicon Production 11-11-05**

For the story "China breaks foreign monopoly in silicon production tech", see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7675900&ResultCategoryType=2,7&NewsPageID=3>>

### **Advent Solar Funding [Nanette Tromblay] 11-11-05**

Advent Solar, Inc. announced that it has secured \$30 million in Series C funding. Advent Solar will use the financing to build and operate a 25 MW plant for the production of its PV solar cells and modules. The production facility will be located in Mesa del Sol, a new development and solar cluster in Albuquerque, New Mexico. Stories at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNACO372.htm>> and RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=afm67f6KCW1e?id=39166>>  
Additional press: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={470819F4-B91F-42F7-8029-1450F6EE65A5}&siteid=mktw&dist=nbk&symb=>>>  
<<http://www.krqe.com/expanded.asp?ID=12813>>

### **EPOD Solar Panel Production 11-8-05**

EPOD management reports that 100% of the company's current annual production capacity has been spoken for. Orders and commitments for the entirety of the company's production capacity are in place through 2007, representing approximately US \$2.5 million of gross profit at current market prices. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={EF3A7A53-B8F4-49D0-B07C-7EF7456212A2}&siteid=mktw&dist=nbk&symb=>>>  
EPOD: <<http://www.epodinc.com/>>

### **SAS Production 11-7-05**

Sino-American Silicon Products (SAS) plans to increase its production of mono-crystalline silicon, and the company is considering extending production to multi-crystalline silicon, according to general manager Tom Yao. Press at: <<http://www.digitimes.com/news/a20051107A5021.html>>  
Sino American Silicon Products Inc.: <<http://www.saswafer.com/>>

### **Sharp Solar Cell Production 11-2-05**

Sharp Corporation said that the company will boost its solar cell production capacity of its Katsuragi plant in Nara Prefecture. The company's annual production capacity is being increased to 500 MW. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASMA57.htm>>  
Sharp: <<http://www.sharp.co.jp/>>

### **EPOD Solar Panel Production 11-1-05**

EPOD, through its wholly owned subsidiary EPOD Renewable Utilities Inc., has begun production of amorphous silicon solar panels at its newly constructed plant in Gotthards, Germany. Press at: <<http://biz.yahoo.com/iw/051031/099671.html>>  
EPOD: <<http://www.epodinc.com/>>

## **Industry Business Developments, Status**

### **ARISE Financial Results 11-30-05**

ARISE Technologies Corporation announced financial results for the 3<sup>rd</sup> quarter ended September 30. Per the press, ARISE continued to make progress in implementing its strategy to focus more on the higher margin proprietary PV technology and systems business. Story at: <[http://biz.yahoo.com/cnw/051129/arise\\_tech\\_q3\\_results.html?.v=1](http://biz.yahoo.com/cnw/051129/arise_tech_q3_results.html?.v=1)>  
ARISE: <<http://www.arisetech.com/>>

### **Barnabus Agreement 11-29-05**

Barnabus Energy announced that it has entered into a distribution agreement with Chinese Consulting Limited (CCL) of Hong Kong. The agreement affords CCL exclusive rights to distribute the SunPak 3P portable solar energy system throughout Asia. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b4F63E596-DE23-475D-89B1-4E4AEA139FE4%7d&siteid=mktw&dist=nbk&symb=>>>  
Barnabus Energy: <<http://www.barnabusenergy.com/>>  
Previous Press: <<http://biz.yahoo.com/iw/051019/098365.html>>

### **WorldWater & Power Update 11-29-05**

Quentin T. Kelly, Chairman and CEO of WorldWater & Power Corp., released an operational update



detailing progress that has been made over the past several months. For coverage, see:  
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#### **Suntech Power Holdings IPO 11-29-05**

Suntech Power Holdings Co. Ltd. set an estimated price range for shares in its upcoming initial public offering. Press at:

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#### **DyeSol News 11-29-05**

For the latest news and events, and a sign-up option for future newsletters from DyeSol, see:

<[#### \*\*BP Investment 11-29-05\*\*](http://www.dyesol.com/index.php></a></p></div><div data-bbox=)

BP Plc said it plans to double its investment in alternative and renewable energies to create a new low-carbon power business. BP also formed a new alternative energy business unit to manage an investment program in solar, wind, hydrogen and combined-cycle-gas-turbine power generation.

Stories at Solarbuzz: <elsewhere

<<

#### **Spire Equipment for EverQ 11-29-05**

Spire Corporation announced that it has executed a contract to provide EverQ with Spire's SPI-MODULE QA™ 460 automated PV module testing system. Story at:

<EverQ: <[#### \*\*Sunways Activities 11-29-05\*\*](http://www.everq-gmbh.com/></a></p></div><div data-bbox=)

Sunways AG will expand its product range to include modules, while also developing a distribution organization for PV systems. Story at Solarbuzz:

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#### **Emcore Results 11-28-05**

For Fiscal 2005 4<sup>th</sup> quarter and year-end results from Emcore, see the press at:

<[#### \*\*Crosspoint Acquisition 11-28-05\*\*](http://www.emcore.com/news/release.php?id=120></a></p></div><div data-bbox=)

Crosspoint Group, Inc. announced it has entered into an agreement to acquire SunJoi Solar, Inc., which will become a subsidiary of Crosspoint Group. Story at:

<[Crosspoint Group: <\[#### \\*\\*EverQ Joint Venture 11-28-05\\*\\*\]\(http://www.crosspointgroup.net/></a></p></div><div data-bbox=\)](http://www.prfree.com/index.php?cur=index&action=preview&id=34545><br/><<a href=)

Q-Cells said Norway's Renewable Energy Corporation ASA will become the third partner in its EverQ joint venture with Evergreen Solar Inc. Story at:

<[39](http://www.boston.com/business/articles/2005/11/26/norwegian_company_takes_stake_with_evergreen_solar/?rss_id=Boston+Globe+---+Business+News></a></p></div><div data-bbox=)

Evergreen press: <[http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle\\_print&ID=790269&highlight=>](http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle_print&ID=790269&highlight=>)>

Q-Cells: <[http://www.q-cells.com/cmadmin\\_2\\_123\\_0.html](http://www.q-cells.com/cmadmin_2_123_0.html)>

Evergreen Solar: <<http://www.evergreensolar.com/>>

Renewable Energy Corp: <<http://www.rec-pv.com/text/view/3524.html>>

### **Solar Integrated Certification 11-28-05**

Solar Integrated Technologies, Inc. announced that the company has achieved International Organization for Standardization 9001:2000 certification for its quality management system. The certification is for the design, manufacture and marketing of proprietary BIPV systems for commercial roofing and portable solar applications worldwide. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7739059C-4AC8-477C-8690-C80B2C035CB6%7d&siteid=mktw&dist=nbk&symb=>>>

Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

### **Kyocera Shipments 11-28-05**

Kyocera Corp. plans to start shipping a "low-cost solar panel that uses just one-fifth the silicon of existing modules" as early as fiscal year 2006. The new panel reduces silicon usage by lining up spherical silicon measuring 1mm or less in diameter on a non-silicon substrate. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7763369&ResultCategoryType=2,7&NewsPageID=3>>

Kyocera: <<http://global.kyocera.com/index2.html>>

### **Fire at Motech 11-28-05**

Per this article, through Solarbuzz <<http://www.solarbuzz.com/index.asp>>, a fire broke out at Motech Industries with initial damage estimated at NT\$42 million (US \$1.3 million). Motech indicated that a schedule for resumption of production is still being ascertained but that it would outsource production to fellow players to ensure timely shipments. Stories at:

<<http://www.digitimes.com/news/a20051125A5020.html>>

<<http://www.chinapost.com.tw/business/detail.asp?GRP=E&id=72525>>

<<http://sg.biz.yahoo.com/051124/3/3ws50.html>>

Motech, Financial Times: <<http://news.ft.com/cms/s/45591f20-5fb4-11da-a628-0000779e2340.html>>

Motech: <<http://www.motech.com.tw/english/e-about.asp>>

<<http://www.motech.com.tw/english/Incorporation1/index.asp>>

### **SOLON Spanish Order 11-23-05**

SOLON AG has been awarded a contract by the Spanish company Ecotecnia, S. Coop. SOLON will supply its tracking system, SOLON Movers, with a total value of EUR 32 million. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR247.htm>>

SOLON AG: <<http://www.solonag.de/>>

<<http://www.solonmover.com/>>

### **SOLON AG and S-E Project 11-22-05**

Solon AG has announced the purchase of Italian panel manufacturer S-E Project. Stories at enf.cn:

<<http://www.enf.cn/news/051118/1.html>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39454>>

SOLON: <<http://www.solonag.com/>>

### **Carmanah Financing 11-22-05**

Carmanah Technologies Corporation has entered into an agreement with a syndicate led by GMP Securities Ltd. for a private placement of common shares totaling \$10,000,000. Net proceeds will be used to support working capital, international expansion of facilities, and the Company's acquisition strategy. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=39635>>

Carmanah: <<http://www.carmanah.com/>>

### **Sun Power & Geothermal VP 11-21-05**

Sun Power & Geothermal Energy Co., Inc. has named Stephen McKenery as Vice President of Strategic Development. Coverage at Solarbuzz: <<http://www.solarbuzz.com/jobs/people.htm>>  
Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

### **More on SunPower 11-18-05**

For the article "Hot IPO for solar cell maker SunPower", see The Mercury News at:

<<http://www.mercurynews.com/mld/mercurynews/13200235.htm>>

See also: <<http://www.latimes.com/business/la-fi-wrap18.1nov18.1,4678251.story?coll=la-headlines-business&ctrack=1&cset=true>>

### **Amtech Order 11-18-05**

Amtech Systems, Inc. announced a system order from the solar cell industry. The \$0.9 million order is from a manufacturer of solar cells located in Asia. Story at:

<[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20051117005773&newsLang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20051117005773&newsLang=en)>

Amtech Systems, Inc.: <<http://www.amtechsystems.com/>>

### **BP Joint Ventures 11-18-05**

Tebian Electric Apparatus co., Ltd. announced that its board has agreed to the establishment of two joint ventures between its controlling subsidiary Xinjiang New Energy Co., Ltd. and BP Solar. Press at: <<http://au.news.yahoo.com/051118/3/wuqy.html>>

BP Solar: <<http://www.bp.com/genericsection.do?categoryId=4261&contentId=3060140>>

Tebian: <<http://www.tbea.com.cn/english/>>

### **Spire's European PV Operations 11-17-05**

Spire Corporation announced that it has appointed J.v.G. Thoma GmbH as its European sales and service representative, in response to increased demand for PV manufacturing equipment. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b8800CAD5-26CD-4800-9EE7-2D0C03B36B37%7d&siteid=mktw&dist=nbk&symb=>>>

Spire: <<http://www.spirecorp.com/>>

### **SunPower IPO 11-17-05**

For the article "SunPower's energized IPO", see:

<<http://www.marketwatch.com/news/story.asp?guid=%7b88977747-6804-4D61-8DD8-CE8D8A95387B%7d&siteid=mktw&dist=nbk>>

Also, see "SunPower Soars on its Trading Debut" at: <<http://www.sfgate.com/cgi-bin/article.cgi?f=/n/a/2005/11/17/financial/f104537S86.DTL&feed=rss.business>>

SunPower: <<http://www.sunpowercorp.com/html/>>

### **Cambridge Start-Up 11-16-05**

Enecsys has developed enabling technology to connect renewable energy sources with the National Grid. The company, a spin-out from the University of Cambridge, has raised £333K in seed funding, and plans to raise first round VC funding of £1.5K during 2006. Its primary goal is to make solar energy accessible to the masses. Story at:

<[http://www.businessweekly.co.uk/news/view\\_article.asp?article\\_id=9934](http://www.businessweekly.co.uk/news/view_article.asp?article_id=9934)>

Enecsys: <<http://www.enecsys.com/>>

### **Sharp Solar Business 11-16-05**

Solar power could become as cheap as conventional electric power in Japan in 5 years and presents enormous potential to electronics makers, said the president of Sharp Corp. Story at:

<<http://news.moneycentral.msn.com/provider/providerarticle.asp?feed=AP&Date=20051116&ID=5286237>>

### **Spire Corporation Results 11-15-05**

For Spire's 3rd quarter and year-to-date 2005 results, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b91C5CC80-555C-4DC0-A73F-28412F1B17CC%7d&siteid=mktw&dist=nbk&symb=>>>

Spire: <<http://www.spirecorp.com/>>

### **DayStar Update 11-15-05**

Dr. John Tuttle, Chairman and CEO of DayStar Technologies, Inc. released an operational update detailing progress that has been made by DayStar over the past several months. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7AB7BF4D-4C6B-4B1D-9D55-5F995D4DAF44%7d&siteid=mktw&dist=nbk&symb=>>>  
DayStar Technologies: <<http://www.daystartech.com/>>

### **Barnabus with Connect 11-14-05**

Barnabus Energy, Inc. announced it has signed a "term sheet" with Connect Renewable Energy, Inc. to purchase a majority share in the California-based PV company. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bf117F599-FC1B-4973-BCA9-A2D0C682E50B%7d&siteid=mktw&dist=nbk&symb=>>>  
Barnabus: <<http://www.barnabusenergy.com/>>

### **SolarWorld Results 11-14-05**

For coverage of Solar World AG results to September 2005, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsEUCO217.htm>>. In response to the positive business trend in the 3<sup>rd</sup> quarter of 2005, SolarWorld AG has lifted its forecast for the overall year.  
SolarWorld: <<http://www.solarworld.de/>>

### **Chinese Solar Equipment Producer 11-11-05**

Hefei Sunlight Power Supply Co. Ltd. (Sunlight) has become a leading producer of solar controllers and power inverters in China. For the story, see: <<http://au.news.yahoo.com/051111/3/wr1b.html>>  
Sunlight Power Supply: <<http://www.sps.com.cn/en/default.asp>>

### **Crosspoint Group Distributing and Marketing Rights 11-11-05**

Crosspoint Group, Inc. announced it has concluded the purchase of the exclusive distributing and marketing rights of Lectrique Solaire© solar distributed energy and LED lighting products. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={0575A114-B2AC-48BE-AAC1-3D4E920B64AE}&siteid=mktw&dist=nbk&symb=>>>  
Crosspoint Group: <<http://www.crosspointgroup.net/>>

### **Carmanah Results 11-11-05**

Carmanah Technologies Corporation announced record financial results. For an overview of their results and activities, see the story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={79208F91-4D4C-4097-9840-FBBAF69CB965}&siteid=mktw&dist=nbk&symb=>>>  
Carmanah: <<http://www.carmanah.com/>>

### **Centrosolar Purchases [Kit Temple] 11-11-05**

Centrosolar AG has confirmed the purchase of part of Solara AG. Centrosolar also confirmed the signing of a solar cell purchase contract with an un-named Asian manufacturer. The 3-year contract is for the purchase of 13 MW of cells and panels each year. Press at ENF.cn: <<http://www.enf.cn/news/051111/1.html>>  
Centrosolar: <<http://www.centrosolar.com/>>

### **More on Solar Hydrogen Generation Cells 11-10-05**

Altair Nanotechnologies, in collaboration with the University of Nevada Las Vegas Research Foundation, announced the consortium received a \$2.5 million Phase III award from DOE for joint development of solar hydrogen generation cells. Coverage at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=39078>>

### **Sunrise Powerlink 11-10-05**

San Diego Gas & Electric has mapped out broad potential route corridors for the proposed Sunrise Powerlink electrical transmission line. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={C1D5B463-70E7-4134-B01B-7E5BB511BEB4}&siteid=mktw&dist=nbk&symb=>>>  
Sunrise Powerlink: <<http://www.sdge.com/sunrisepowerlink/>>

### **ATS Automation Tooling Systems Results 11-10-05**

ATS Automation Tooling Systems, Inc. reported second quarter financial results. According to the press, Solar Group operating earnings increased 544% to \$3.1 million compared to the same period last year. For more on the Solar Outlook, see the story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7671486&ResultCategoryType=2,7&NewsPageID=3>>

ATS: <<http://www.atsautomation.com/>>

### **Motech Solar in BusinessWeek 11-10-05**

For the story "Taiwan: Motech Solar, Where solar cells are hot stuff", see BusinessWeek at:

<[http://www.businessweek.com/magazine/content/05\\_46/b3959406.htm](http://www.businessweek.com/magazine/content/05_46/b3959406.htm)>

Asia's Hot Growth Companies:

<[http://www.businessweek.com/magazine/toc/05\\_46/B39590546asiagrowth.htm?campaign\\_id=rediff](http://www.businessweek.com/magazine/toc/05_46/B39590546asiagrowth.htm?campaign_id=rediff)>

### **DayStar Recruiting 11-9-05**

DayStar Technologies, Inc. announced that it has retained the services of Capstone, Inc., a professional executive recruiting agency, to conduct a nationwide search to fill two new senior level positions at DayStar – Chief Operating Officer and Vice President of Manufacturing. Press at:

<<http://biz.yahoo.com/prnews/051109/sfw040.html?.v=32>>

DayStar Technologies: <<http://www.daystartech.com/>>

### **Conergy Sales 11-9-05**

Conergy AG has doubled sales to EUR 100 million in the third quarter of 2005. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUCO214.htm>>

Conergy AG: <<http://www.conergy.de/DesktopDefault.aspx>>

### **Energy Conversion Devices First Quarter Results 11-9-05**

For coverage of Energy Conversion Devices' first quarter fiscal 2006 operating results, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={CC7CF47B-D3BB-4960-9EB8-08BEA2C82A0D}&siteid=mktw&dist=nbk&symb=>>

ECD: <<http://www.ovonic.com/>>

### **ICP Solar Products 11-8-05**

ICP Solar announced the launch of a new brand – the Sunsei™ line of solar products. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={52C511F0-B779-4122-9171-E6E7DA2731E2}&siteid=mktw&dist=nbk&symb=>>

ICP Solar: <<http://www.icpsolar.com/>>

### **Shell Thin Film Module Efficiency 11-8-05**

Per Shell's press, Shell Solar recently achieved a 13.5% conversion efficiency for its leading thin film CIS PV technology. The result was independently verified by the TUV Rheinland Group in Cologne, Germany based on a 30 x 30 cm module. Press at:

<[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/cis\\_record\\_0111.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=/shellsolar/html/iwgen/news_and_library/press_releases/2005/cis_record_0111.html)>

### **SOLON Order 11-8-05**

SOLON AG has received an order from GEOSOL Gesellschaft fur Solarenergie mbH to build a 3.4 MW solar power system. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR242.htm>>

SOLON: <<http://www.solonag.de/>>

GEOSOL: <<http://www.geosol-berlin.de/>>

### **Sharp – Sandia Partnership 11-7-05**

Sharp Corporation recently signed its first major research partnership with a U.S. government research laboratory – Sandia National Laboratory. The deal is tailored to expand its research and development of renewable and alternative technologies. The initial thrust of the partnership will be on fuel cell technologies, but later will involve research and development of Sharp's solar PV technologies.

Press at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38848>>

New Mexico Economic Development Department:

<[http://ww1.edd.state.nm.us/index.php?/news/entry/department\\_brokers\\_joint\\_agreement\\_between\\_sharp\\_solar\\_and\\_sandia\\_labs/](http://ww1.edd.state.nm.us/index.php?/news/entry/department_brokers_joint_agreement_between_sharp_solar_and_sandia_labs/)>

#### **Wireless Inverter Monitor 11-7-05**

SMA unveiled a small, wireless monitor for their Sunny Boy solar PV inverters. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/productstory?id=38835>>

SMA: <<http://www.sma-america.com/sunnybeam.html>>

#### **Solar Integrated Private Placement 11-7-05**

Solar Integrated Technologies, Inc. announced that it has closed a \$37 million private placement of convertible notes. Press at: <<http://biz.yahoo.com/prnews/051107/nym075.html?v=19>>

Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

#### **Phonix SonnenStrom Contract 11-4-05**

Per this article, having already closed a contract in mid-October for the construction of a green-field PV plant using US-based First Solar's thin film modules, Phonix SonnenStrom AG received another order last week from mfs mainfrankenSolar 4 GbmH & Co. KG, a company based in Germany, for a major plant with this module type. The plant will generate a peak power output of 1.02 MW with around 16,968 modules. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEU243.htm>>

Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

First Solar: <<http://www.firstsolar.com/>>

#### **Evergreen Solar Agreement with PowerLight 11-4-05**

Evergreen Solar, Inc. announced its largest sales agreement to date. Evergreen Solar and PowerLight Corporation have entered into a definitive agreement for a guaranteed contract, which calls for Evergreen Solar to ship a minimum of \$70 million of PV modules to PowerLight over the next four years. More at: <<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle&ID=778724&highlight=>>>

PowerLight: <<http://www.powerlight.com/>>

#### **Evergreen Solar Third-Quarter Results 11-4-05**

For press from Evergreen Solar on third-quarter 2005 results, see: <<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle&ID=778675&highlight=>>>

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b48D311DA-AACD-4025-AE27-341E26EEBF18%7d&siteid=mktw&dist=nbk&symp=>>>

#### **WorldWater & Power Contract 11-4-05**

WorldWater & Power Corp. announced that it has been awarded a bid contract to build and install the first solar electric power generation system for DuPont. The ground-mounted system will produce 40 kW of AC power using 4 PV arrays. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b66D29DD7-D650-4908-A8A1-730A7BA99C61%7d&siteid=mktw&dist=nbk&symp=>>>

WorldWater & Power Corp.: <<http://www.worldwater.com/>>

DuPont: <<http://www.dupont.com/photovoltaics/>>

#### **Clean Energy – Industrial Solar Technology Corp. Agreement 11-3-05**

According to this story in RenewableEnergyAccess, the goal behind Clean Energy's recent distribution agreement with Industrial Solar Technology Corp. is to install several megawatts of IST systems in the U.S., Germany, Spain, Italy, Greece, and 19 countries in the African sunbelt, plus nonexclusive rights globally, in 2006 and beyond. Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38817>>

Clean Energy: <<http://www.cleanenergysolar.com/>>

Industrial Solar Technology Corp.: <<http://www.industrialsolartech.com/>>



### **Suntech IPO 11-2-05**

According to this press, Suntech Power Holdings Co., Ltd. said it is planning a U.S. initial public offering. Reuters:

<[http://today.reuters.com/investing/FinanceArticle.aspx?type=bondsNews&storyID=URI:urn:newsml:reuters.com:20051101:MTFH53589\\_2005-11-01\\_23-11-25\\_N01148874:1](http://today.reuters.com/investing/FinanceArticle.aspx?type=bondsNews&storyID=URI:urn:newsml:reuters.com:20051101:MTFH53589_2005-11-01_23-11-25_N01148874:1)>

Forbes: <<http://www.forbes.com/business/feeds/afx/2005/11/01/afx2313321.html>>

## **Renewables Programs, Projects**

### **New Jersey RPS 11-29-05**

The New Jersey Board of Public Utilities is considering modifications to the state's RPS. Information at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=39864>>  
NJBP: <<http://www.state.nj.us/bpu/home/secDiv.shtml>>

### **Powered by Renewables, Nevada 11-29-05**

Powered by Renewables (PBR) in Nevada will utilize the state's renewable resources to develop, manage and sell utility-scale renewable energy projects, and the electricity and renewable energy credits generated by those projects. Story at: <[http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind\\_focus.story&STORY=/www/story/11-29-2005/0004224316&EDATE=TUE+Nov+29+2005,+10:16+AM](http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind_focus.story&STORY=/www/story/11-29-2005/0004224316&EDATE=TUE+Nov+29+2005,+10:16+AM)>  
PBR: <<http://www.pbrcorp.com/>>

### **Colorado Solar 11-28-05**

Beginning in January, Xcel Energy will pay \$2 per watt in rebates to those customers who power their homes with PV panels. Story at:  
<[http://www.insidedenver.com/drmn/other\\_business/article/0,2777,DRMN\\_23916\\_4263836,00.html](http://www.insidedenver.com/drmn/other_business/article/0,2777,DRMN_23916_4263836,00.html)>

### **China's Feed-In Tariff 11-28-05**

China is about to implement its first feed-in tariffs for renewable energy. Information at enf.cn:  
<<http://www.enf.cn/news/051123/1.html>>

### **Renewables in China 11-22-05**

Per this press, China's renewable energy resources have been growing by over 25% annually in recent years. Press at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7747569&ResultCategoryType=2,7&NewsPageID=3>>

### **Pennsylvania Renewables 11-21-05**

Pennsylvania Governor Edward Rendell announced the investment of \$5.9 million to support 34 projects that will enhance energy security, promote advanced technologies, spur economic growth, and improve the environment. See more on the Energy Harvest Grant Program at:  
<<http://www.state.pa.us/papower/cwp/view.asp?Q=447800&A=11>>

### **California Energy Commission Renewables 11-21-05**

A business meeting to consider adoption of changes to the existing renewable facilities program guidebook is set for 30 November. For information, see:  
<[http://www.energy.ca.gov/renewables/notices/2005-11-30\\_consider\\_chnges.html](http://www.energy.ca.gov/renewables/notices/2005-11-30_consider_chnges.html)>

### **New Jersey Clean Energy 11-21-05**

The New Jersey Office of Clean Energy has issued new guidelines for project completion deadlines and extensions. Details at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO279.htm>>  
For more on New Jersey's Clean Energy Program™, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aEkqxtwHPIY8?id=39535>>  
New Jersey's Clean Energy Program™: <<http://www.njcep.com/index.html>>

### **More on French Feed-in Tariffs 11-18-05**

French Prime Minister Dominique de Villepin announced an increase in the feed-in tariff paid for PV electricity by EDF. More at ENF.cn: <<http://www.enf.cn/news/051117/1.html>>

### **Chinese Renewables 11-17-05**

Chinese officials have developed a new pricing system for electricity generated from renewable energy sources, to accompany the country's renewable energy law taking effect January 1. Press at: <[http://www.chinadaily.com.cn/english/doc/2005-11/17/content\\_495504.htm](http://www.chinadaily.com.cn/english/doc/2005-11/17/content_495504.htm)>

### **Renewable Technologies in Europe 11-17-05**

Per this article, the European markets for renewable energy are gathering momentum as governments across the region offer significant incentives and subsidies in the form of tax relief, capital cost grants and favorable electricity export rates to encourage its development and achieve more environment-friendly power generation. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b61E71EAF-C5CD-440A-ACDA-E8204FA19CE6%7d&siteid=mktw&dist=nbk&symp=>>>

### **San Francisco Solar, California 11-16-05**

Mayor Gavin Newsom flipped the switch on San Francisco's new 255-kW PV system for the City's Southeast Wastewater Treatment Plant in Bayview. More on solar in San Francisco at:

<[http://www.sfexaminer.com/articles/2005/11/16/news/20051116\\_ne05\\_solar.txt](http://www.sfexaminer.com/articles/2005/11/16/news/20051116_ne05_solar.txt)>

<<http://www.earthtoys.com/news.php?section=view&id=1034>>

<<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2005/11/16/BAG1RFP4NP1.DTL&feed=rss.news>>

### **California PUC Proposed Decision, Solar 11-16-05**

The California Public Utilities Commission issued a proposed decision to replenish the 2006 funding for businesses interested in installing solar power, and setting a deadline of 15 December 2005 to finalize a larger solar proposal intended to achieve Governor Schwarzenegger's broader solar goals. See the story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=auuSE7IBG6yg?id=39390>>

For a copy of the proposed decision by the California PUC, "Interim Opinion Adopting Policies and Funding for the California Solar Initiative", see:

<[http://www.cpuc.ca.gov/PUBLISHED/COMMENT\\_DECISION/51180.htm](http://www.cpuc.ca.gov/PUBLISHED/COMMENT_DECISION/51180.htm)>

Environment California: <<http://www.environmentcalifornia.org/envirocalifenergy.asp?id2=20540>>

### **Renewables in Virginia 11-15-05**

A coalition of Virginia renewable energy stakeholders released a report that outlines how adopting mandatory renewable energy legislation will save Virginians \$30 million in energy costs over the next 10 years. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39319>>

### **Emissions Reduction in France 11-15-05**

French Prime Minister Dominique de Villepin said the government wants to go beyond the Kyoto protocol, also announcing a 50% increase in the price EDF pays to buy solar energy from customers, and a doubling of the price it pays providers in the public and service sectors and in industry. Story through Solarbuzz at:

<<http://www.forbes.com/afxnews/limited/feeds/afx/2005/11/14/afx2334530.html>>

### **Long Island Solar Rebates 11-14-05**

Long Island Power Authority announced an update to its incentive level to reflect the next phase of its decreasing-rate rebate program. Rebates are available for small solar projects in the next round; however, the rebate level has dropped by 25 cents per watt. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39270>>

LIPA Solar Pioneer Program: <<http://www.lipower.org/cei/solar.html>>

### **Wisconsin Renewables 11-14-05**

Lawmakers in Wisconsin have introduced legislation to increase the use of renewable energy in the state. The bill includes renewable energy mandates for utilities and state government. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=39272>>

### **Santa Clara Green Power, California 11-11-05**

Silicon Valley Power has embarked on a solar project to provide solar power for a renewable energy program. Press at: <<http://home.nestor.minsk.by/build/news/2005/11/1105.html>>  
Santa Clara Green Power: <<http://www.siliconvalleypower.com/res/?sub=green>>

### **Renewables in Spain 11-11-05**

Spain's new energy law is designed to attract 23 billion Euro in investment by improving the legislative environment for renewable energy. For more on the energy context in Spain, and the renewable energy plan, see the story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=39046>>  
IDEA: <<http://www.idae.es/index.asp?i=en>>

### **Renewable Energy Options 11-9-05**

GreenShift Corporation announced that Sterling Planet, Inc. executed an agreement with Consolidated Edison Company of New York to provide renewable energy options to Con Edison customers in its service area. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={48B9445E-8503-4346-A366-09EC012C9231}&siteid=mktw&dist=nbk&symp=>>>  
Sterling Planet: <<http://www.sterlingplanet.com/>>  
GreenShift Corporation: <<http://www.greenshift.com/>>  
For more coverage of Renewable Energy Use and Markets in the U.S., see EERE Network News [Kevin Eber] at: <<http://www.eere.energy.gov/news/enn.cfm>>

### **China's Renewables Commitment 11-9-05**

Chinese officials announced a bolstered commitment to renewable energy to 15% of the country's energy mix by 2020. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=adw2LyJbMgj4?id=39024>>  
China Daily: <[http://www.chinadaily.com.cn/english/doc/2005-11/08/content\\_492254.htm](http://www.chinadaily.com.cn/english/doc/2005-11/08/content_492254.htm)>

### **Solar Homes, California 11-7-05**

A measure on Livermore's ballot would grant a housing developer the right to build what it claims will be the largest completely solar community, with 2,450 new homes equipped with solar. Press at:  
<[http://news.yahoo.com/s/ap/20051107/ap\\_on\\_re\\_us/solar\\_suburb\\_1](http://news.yahoo.com/s/ap/20051107/ap_on_re_us/solar_suburb_1)>

### **Support for Residential PV in Japan [PV Activities in Japan] 11-4-05**

The Agency for Natural Resources and Energy of the Ministry of Economy, Trade and Industry will start a new support program for residential PV systems in FY 2006 using the government's loan and investment programs. Low-interest loans will be provided to companies who sell the residential PV systems by installment payments so that the interest burden on purchasers will be decreased. This, and more news, in PV Activities in Japan [subscription]. RTS Corporation, Osamu Ikki, Tokyo, email: [Ikki@rts-pv.com](mailto:Ikki@rts-pv.com), tel +81-3-3551-6345.

### **Solar in Roseville, California 11-3-05**

The Roseville Electric Utility went before the city council for approval of a California municipal program aimed at building 20% of all new homes with solar panels and other cost-saving energy efficiency measures. Story at RenewableEnergyAccess:  
<<http://renewableenergyaccess.com/rea/news/story?id=38820>>

### **UK Renewables 11-3-05**

The UK government has unveiled a £30m funding package aimed at promoting renewable electricity sources and reducing carbon emissions. Press through Solarbuzz at:  
<<http://news.bbc.co.uk/1/hi/sci/tech/4398954.stm>>  
See also dti, R&D funding for renewable energy at:  
<[http://www.dti.gov.uk/renewables/renew\\_4.3.1.htm](http://www.dti.gov.uk/renewables/renew_4.3.1.htm)>  
Press example: <<http://www.24dash.com/content/news/viewNews.php?navID=7&newsID=1024>>

### **Energy-Efficient Home Collaboration 11-1-05**

A partnership between the U.S. DOE's National Renewable Energy Laboratory and the Sacramento Municipal Utility District will move forward energy-efficient home construction in California while advancing energy-efficient home research at NREL. Press at:

<[http://www.bizjournals.com/denver/stories/2005/10/31/daily12.html?from\\_rss=1](http://www.bizjournals.com/denver/stories/2005/10/31/daily12.html?from_rss=1)>

NREL: <<http://www.nrel.gov/>>

SMUD: <<http://www.smud.org/news/index.html>>

## **Meetings, Gatherings, Conferences**

### **Clean Tech Investor Summit 11-30-05**

"Twilight in the Desert" author Matt Simmons and SunPower CEO Thomas Werner are among the speakers confirmed for the Clean-Tech Investor Summit, February 1-2, 2006 in Palm Springs, California. See the website at:

<<http://www.ibfconferences.com/ibf/viewdetails.asp?lstconfname=159>>

[Clean Edge Alert]

### **DayStar at Alternative Energy Conference 11-29-05**

Dr. John Tuttle, Chairman and CEO of DayStar Technologies, Inc., will be a featured presenter at the New York Society of Security Analysts 3<sup>rd</sup> Annual Alternative Energy Conference in New York. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b326E530A-487E-424D-9200-E7411FBF786E%7d&siteid=mktw&dist=nbk&symb=>>

DayStar: <<http://www.daystartech.com/>>

NYSSA: <<http://www.nyssa.org/>>

### **California Energy Commission Workshops 11-28-05**

The California Energy Commission Renewables Committee will hold a workshop to consider proposed changes to the Emerging Renewables Program Guidebook, 5 December 2005. For information, see: <[http://www.energy.ca.gov/renewables/02-REN-1038/notices/2005-12-05\\_workshop\\_notice.html](http://www.energy.ca.gov/renewables/02-REN-1038/notices/2005-12-05_workshop_notice.html)>

Guidebook: <<http://www.energy.ca.gov/renewables/02-REN-1038/documents/index.html>>

The Commission's Renewables Committee will conduct a workshop to solicit public comments on its draft RFP Procurement Verification Report and proposed changes to the Renewables Portfolio Standard Eligibility Guidebook, and the Overall Renewable Energy Program Guidebook, 7 December 2005. Information at: <[http://www.energy.ca.gov/portfolio/notices/2005-12-07\\_workshop\\_notice.html](http://www.energy.ca.gov/portfolio/notices/2005-12-07_workshop_notice.html)>

Guidebook: <<http://www.energy.ca.gov/portfolio/documents/index.html>>

### **World Renewable Energy Assembly [Wolfgang Palz] 11-23-05**

For information on the upcoming World Renewable Energy Assembly in Bonn, Germany 26-30 November, see the website at: <<http://www.wrea2005.org/>>

### **Evergreen Solar at Growth Conference 11-22-05**

Evergreen Solar, Inc. announced that the company will be presenting at the First Albany Capital Annual Growth Conference in New York. Press at: <<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle&ID=785396&highlight=>>

### **EPIA Workshop 11-21-05**

For information on "Capacity and market potential by 2010" a workshop on grid-connected systems in future years, to be held in Frankfurt am Main, Airport Congress Center, 22 December, see:

<<http://www.epia.org/08Events/UpcomingEvents.htm>>

### **Rhone Resch at Expo 11-18-05**

Energy outfitters is getting ready for its 3<sup>rd</sup> Annual National RE Tech Expo in San Diego, California, 19-22 January 2006. Rhone Resch, President of the Solar Energy Industries Association will be the guest speaker. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39444>>

3<sup>rd</sup> Annual National RE Tech Expo:

<<http://www.renewableenergyaccess.com/partner/energyoutfitters/sandiego.html>>

### **Other Upcoming Events 11-18-05**

For upcoming events see:

<[http://www.epia.org/09Newsletter/events\\_new.asp?c\\_year=2005&c\\_month=11&c\\_cat=0](http://www.epia.org/09Newsletter/events_new.asp?c_year=2005&c_month=11&c_cat=0)>

<<http://www.solarbuzz.com/InfoCenterUpcoming.htm>>

<<http://www.renewableenergyaccess.com/rea/events/home>>

<<http://www.photon-magazine.com/events/events.aspx>>

Etc.

### **Terry Jester, Shell, Rappaport Award 11-17-05**

Terry Jester, senior director of engineering and operations for Shell Solar, was presented with the 7<sup>th</sup> National Center for Photovoltaics Rappaport Award, 7 November 2005 at the Solar Program Review Meeting in Denver, Colorado. The award recognizes individuals who have made significant contributions to the advancement PV through leadership and sustained efforts in research, development, education, and commercialization. Story at: <[http://www.nrel.gov/ncpv/t\\_jester.html](http://www.nrel.gov/ncpv/t_jester.html)>  
Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

### **More on Governor Schwarzenegger's China Visit 11-16-05**

In a visit to China, the Governor specifically praised solar cells from SunPower. "This is the future, ladies and gentlemen", he said. Story at:

<<http://www.redherring.com/Article.aspx?a=14497&hed=Governator+to+China%3A+Go+Green&sector=Regions&subsector=Asia>>

### **Solar 2006, Denver 11-15-05**

For information on Solar 2006, 8-13 July 2006, see the website at: <<http://www.solar2006.org/>>

### **CoSEIA Members Activities [Randy Gee] 11-14-05**

For information on the workshop on Implementation of Amendment 37 and Electrical Inspection of Photovoltaic Systems, 18 November, see: <<http://www.coseia.org/Education.html>>. Representatives of Xcel will be present to discuss implementation of the A37 program, and state and county electrical inspectors to discuss inspection of PV systems. Information on PV installation workshops, 1-3 December can also be found at <<http://www.coseia.org/Education.html>>. The last date for applications for the Photovoltaic Certification or Recertification Exam on 3 December is 22 November; see <<http://www.coseia.org/MembersCertPolicy.html>>.

### **California Renewables Workshop [Bob Aldrich] 11-11-05**

A staff presentation for Monday's workshop on the 2006 Renewable Energy Investment Plan is available on the California Energy Commission's website at:

<<http://www.energy.ca.gov/renewables/investmentplan/documents/>>

### **Evergreen Solar at Tech Conference 11-11-05**

Evergreen Solar, Inc. announced that the company will be presenting at the Pacific Growth Equities Top Picks in Tech Conference at The New York Palace Hotel 15 November. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={0DE9F56C-7C50-4BC2-9295-8E2E99757874}&siteid=mktw&dist=nbk&symb=>>>

Evergreen Solar: <<http://www.evergreensolar.com/>>

Pacific Growth Equities: <<http://www.pacificgrowth.com/conference/index.html>>

### **SLIVER Technology Royal Visit [Natali Nagy] 11-11-05**

SLIVER Technology hosted King Carl Gustaf on a tour of its manufacturing facility to explain their Australian made and owned technology. Origin Energy press:

<[http://www.originenergy.com.au/news/news\\_detail.php?pageid=82&newsid=620](http://www.originenergy.com.au/news/news_detail.php?pageid=82&newsid=620)>

Sliver®: <[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233#>](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233#>)>

### **PV Solar Installer Exam 11-11-05**

The North American Board of Certified Energy Practitioners announced that it will hold another special Solar PV Installer Certification Exam on 22 January 2006 in Mission Bay, California. Information at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/market/business/viewstory?id=39133>>

NABCEP: <<http://www.nabcep.org/>>

**Tour of Spain [Edwin Koot] 11-11-05**

The PV business Tour Spain is ready to take off 14 November with meetings set with more than 25 Spanish PV companies. More at SolarPlaza:

<<http://www.solarplaza.com/news/solarenergy/2005/11110501.htm>>  
SolarPlaza.com: <<http://www.solarplaza.com/>>

**Solar Energy Program Review 11-3-05**

The U.S. DOE Solar Energy Technologies Review Meeting is set for 7-10 November 2005 in Denver, Colorado. For information, see the Web site at:

<[http://www.eere.energy.gov/solar/review\\_meeting/](http://www.eere.energy.gov/solar/review_meeting/)>

**Alternative Energy Industry Conference 11-2-05**

The New York Society of Security Analysts will present the 3<sup>rd</sup> Annual Alternative Energy Industry Conference 29 November. For more on this event, see the press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bF713C486-787F-47AC-BF97-7E92DA4A4E32%7d&siteid=mktw&dist=nbk&symb=>>>

**U.S. Congress In Action**

**Solar Tax Credit Extensions 11-21-05**

The Solar Energy Industries Association reported some subtle successes last week in their campaign to secure a long-term extension for solar tax credits. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39583>>

**Congressionally Directed Solar Projects 11-16-05**

For more on the Portland State \$150,000 congressionally directed PV test facility, see the article at:

<<http://www.dailyvanguard.com/vnews/display.v/ART/2005/11/15/43799a220c879>>

**FY 2006 Energy and Water Development Appropriations 11-15-05**

The Senate passed the Energy & Water Development appropriations bill by 84-4, and sent the bill to the President for signature.

**Congressionally Directed Solar Projects 11-14-05**

Per this article, the office of Senator Gordon Smith notified Portland State University that the conference report on the Energy & Water Development Appropriations bill includes \$150,000 in funding for PSU's "Solar Photovoltaic Test Facility System, Materials and Installation Project." The funding is directed from the Office of Science funding allocation. Press at:

<<http://www.centralpointnews.com/articles/index.cfm?artOID=319543&cp=4310>>

**FY 2006 Energy & Water Development Appropriations 11-14-05**

The Senate plans to vote on the Energy & Water Development Appropriations bill conference report at 5:30 pm today.

**Energy & Water Development Appropriations 11-10-05**

The House Wednesday passed by 399-17 the conference report for the FY-06 Energy & Water Development Appropriations bill (H.R. 2419). The Senate may vote on the report on Thursday.

Report: <[http://thomas.loc.gov/cgi-bin/cpquery/R?cp109:FLD010:@1\(hr275\)](http://thomas.loc.gov/cgi-bin/cpquery/R?cp109:FLD010:@1(hr275))>

**Energy & Water Development FY 2006 Appropriations 11-9-05**

The FY 2006 Energy & Water Appropriations Conference Report includes \$83,953,000 for solar energy programs, of which \$11,000,000 is for concentrating solar power. The report also includes Congressionally directed projects, to be funded from the program account for solar energy, in the amount of \$14.4 million. In addition, the conferees provide \$4 million for the National Center on Energy Management and Building Technologies from the Renewables account.

Search on solar at: <[http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109\\_cong\\_reports&docid=f:hr275.109.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_reports&docid=f:hr275.109.pdf)>



**Support for Renewable Energy and Energy Efficiency Funds 11-9-05**

In a letter delivered to the White House, a bipartisan group of 126 members of Congress urged President Bush to significantly increase funding for federal energy efficiency and renewable energy programs in the Administration's fiscal year 2007 budget request. Press at: <<http://www.commondreams.org/news2005/1108-04.htm>>

**Energy and Water Development Appropriations 11-8-05**

Conferees approved the FY 2006 Energy and Water Development Appropriations. Details should be available soon.

**House Science Committee Hearing Testimony 11-3-05**

Testimony given at yesterday's House Science Committee, Energy Subcommittee hearing on "Winning Teams and Technologies from the 2005 Solar Decathlon" can be accessed at:

<<http://www.house.gov/science/hearings/energy05/November%202/index.htm>>

Web cast: <<http://www.house.gov/science/webcast/index.htm>>

**House Science Committee Hearing – Solar 11-2-05**

For the Hearing Charter for today's House Science, Energy Subcommittee hearing on "Winning Teams and Innovative Technologies from the 2005 Solar Decathlon", see:

<<http://www.house.gov/science/hearings/energy05/November%202/charter.pdf>>

**Reports, Publications, Statements**

**Energy Review in the UK 11-30-05**

The UK's Energy Minister Malcolm Wicks has been selected by Prime Minister Tony Blair and Secretary of State for Trade and Industry, Alan Johnson, to lead a major new review of the country's energy policy. According to the UK's Department of Trade and Industry, the review will consider all options including the role of current generating technologies and new and emerging technologies. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=39913>>

**EERE Network News [Kevin Eber] 11-30-05**

For the latest issue of EERE Network News, including coverage of BP's investment in alternative/renewable energy and California's energy policy, see:

<<http://www.eere.energy.gov/news/enn.cfm>>

**California Energy Commission Workshop Transcript 11-30-05**

A transcript of the Committee Workshop on the 2006 Renewable Energy Investment Plan, 14 November, is available at:

<<http://www.energy.ca.gov/renewables/investmentplan/documents/index.html>>

**Solar Energy Costs [Blair Swezey] 11-29-05**

For the article "Solar energy costs differ", see the Mercury News at:

<[http://www.mercurynews.com/mld/mercurynews/living/health/13273452.htm?source=rss&channel=mercurynews\\_politics](http://www.mercurynews.com/mld/mercurynews/living/health/13273452.htm?source=rss&channel=mercurynews_politics)>

**PV-WEB News, UK 11-29-05**

For the latest news and press releases from PV-UK, visit:

<<http://www.greenenergy.org.uk/pvuk/news/news.asp>>

**Q&A with Rob Pratt 11-29-05**

For insights from Rob Pratt, Director of Massachusetts Technology Collaborative's Renewable Energy Trust, and Chairman of the American Council on Renewable Energy, in a Q&A with

RenewableEnergyAccess see: <<http://www.renewableenergyaccess.com/rea/news/story?id=39754>>

**Distributed Energy Sector Report [Thomas Brunetto] 11-28-05**

The Distributed Energy Financial Group announced the release of its second Distributed Energy Sector Index Quarterly Report. The report contains analysis of sector quarterly performance and 26 covered

companies, a spotlight interview, and other information. Press at:

<<http://www.defgllc.com/update.php>>

DEFG: <<http://www.defgllc.com/About.php>>

#### **IREC Newsletter [Jane Pulaski] 11-28-05**

For the latest issue of the Interstate and Renewable Energy Council's Going Solar and the Department of Energy's Million Solar Roofs E-Newsletter, with coverage of schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification, and other news, see:

<<http://www.irecusa.org/commout/enewsletter.html>>

#### **PV Activities in Japan 11-28-05**

Per the latest issue of "PV Activities in Japan" [subscription], M.Setec Co., Ltd launched the first stage of construction work to build a production plant, aiming to establish an integrated production plant covering silicon feedstock to silicon wafers. PV Activities in Japan [subscription], Osamu Ikki, RTS Corporation, e-mail [ikki@rts-pv.com](mailto:ikki@rts-pv.com), Tel: +81-3-3551-6345.

#### **Solar Fuel 11-28-05**

Per this article, a growing number of scientists in labs from Berkeley to Boulder to Rochester are working to plug into a source that delivers more energy in an hour than the world's population uses in a year – the sun. See "Nanoscientists and Biologists Copying, Co-Opting Nature for Solar Fuel" at:

<[http://www.insidebayarea.com/ci\\_3256612?rss](http://www.insidebayarea.com/ci_3256612?rss)>

#### **Congressionally Directed Solar Projects 11-23-05**

For a story on Congressionally directed solar projects at RenewableEnergyAccess, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39691>>

SEIA Press: <<http://www.seia.org/solarnews.php?id=75>>

#### **EIA's Solar/PV Report [Kevin Eber] 11-23-05**

The U.S. Energy Information Administration's report "Solar Thermal and Photovoltaic Collector Manufacturing Activities 2004" is available at:

<<http://www.eia.doe.gov/cneaf/solar.renewables/page/solarreport/solar.html>>

#### **Renewables at Universities and Colleges 11-22-05**

"College and university campuses are uniquely placed to affect America's energy future," per the Apollo Alliance and the Campus Climate Challenge in the report "New Energy for Campuses". For more on this story, see ReFocus at:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=2915591&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=2915591&accnum=1&topics=>)

#### **National Laboratories Challenge 11-22-05**

For the RE Insider article in RenewableEnergyAccess by Scott Sklar titled "National Labs – Time to Recalibrate and Step Up to the Challenge", see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39570>>

#### **World Technology Award Winners 11-17-05**

WTN announced winners of the 2005 World Technology Awards, as well as newly elected Fellows and Corporate Members. For the winners, who include Subhendu Guha, United Solar Ovonic; XsunX, Inc.; and other new corporate members such as First Solar, Nanosolar Inc., and others, see:

<<http://www.wtn.net/2005/summit/finalists.html>>

Other press: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b48A7C43C-B41A-45B4-8F3F-B051C1F8D5A6%7d&siteid=mktw&dist=nbk&symb=>>

#### **More on Renewables 2005 [Michael Rogol] 11-17-05**

For the report "Renewables 2005 Global Status Report", see:

<<http://www.martinot.info/re2005.htm>>. This report is a first-ever synthesis of the renewable energy situation worldwide, in both developed and developing countries, fit into 30 pages. The website includes links to the report and a notes and references companion document, as well as summary slides from the Beijing International Renewable Energy Conference.

### **Taiwan's Solar Investment 11-16-05**

Per this article, Bevan Yeh has become the best-performing fund manager in Taiwan in less than two years by betting on local producers of alternative energy. "Solar-power energy is more than a short-term fad caused by high oil prices", said Yeh. Story at:

<<http://quote.bloomberg.com/apps/news?pid=nifea&&sid=a0K2ItJgV3vs>>

### **Real Estate's Roundtable on Energy 11-16-05**

In a letter to President Bush, Real Estate Roundtable Chairman Robert J. Lowe stated that long-term strategies for improving U.S. energy independence should build on the real estate industry's historic successes in addressing supply and demand challenges and leverage public-private partnerships that encourage energy efficiency and conservation. The Roundtable asked the government to make it easier for real estate firms to integrate co-generation and other on-site energy generation technologies into their buildings (e.g., PV solar power systems). Story at:

<[http://news.yahoo.com/s/usnw/20051116/pl\\_usnw/real\\_estate\\_industry\\_seeks\\_constructive\\_role\\_in\\_energy\\_dialogue\\_wh\\_urged\\_to\\_encourage\\_integration\\_of\\_solar\\_power\\_in\\_buildings1](http://news.yahoo.com/s/usnw/20051116/pl_usnw/real_estate_industry_seeks_constructive_role_in_energy_dialogue_wh_urged_to_encourage_integration_of_solar_power_in_buildings1)>

The Real Estate Roundtable: <<http://www.rer.org/>>

### **IREC E-Newsletter [Rusty Haynes] 11-15-05**

IREC's November 2005 "Connecting to the Grid" newsletter is now available at

<<http://www.irecusa.org/connect/newsletter.html>>. This newsletter covers state, national, and international developments in interconnection standards and net-metering rules, as well as related industry news, publications, people and events.

### **Schwarzenegger on Solar, China-California 11-15-05**

California Governor Schwarzenegger began a 3-city China trade mission by focusing on renewable energy. According to the article, Schwarzenegger praised the solar cell designed by SunPower Corp. in Sunnyvale, California and manufactured in China as "an amazing China-California success story" with great potential. Press through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:

<<http://www.msnbc.msn.com/id/10051638/>>

More press on SunPower:

<<http://www.marketwatch.com/news/newsfinder/pulseone.asp?siteid=mktw&dist=nbk&guid=%7b21733267-D6CB-4B32-BD41-28B964264CC4%7d>>

### **Arizona Solar [Bud Annan] 11-14-05**

For the story "Out of the shadows, Arizona has been poised for solar prominence for decades; now is the time to act", see: <<http://www.azcentral.com/arizonarepublic/opinions/articles/1113sun1-13.html>>

### **Solar Homes, Roseville, California 11-14-05**

"Most solar manufacturers view the new-home market as a strategic market", said Dave Nyberg, regional sales manager of General Electric Solar Technologies in San Jose. "All manufacturers have the ability to decide where the product is going to go. Ignoring the new-home market would be a mistake." More on supplies for this market in the story at: <<http://msnbc.msn.com/id/10033525/>>

### **Eco-Friendly Companies [Katie Brown] 11-14-05**

For the article "Ten Eco-Friendly Companies" highlighting PowerLight, Miasolé, SunPower and others, see msnbc/newsweek at:

<<http://www.msnbc.msn.com/id/10020271/site/newsweek/>>

PowerLight: <<http://www.msnbc.msn.com/id/10020271/site/newsweek/page/8/>>

Miasolé: <<http://www.msnbc.msn.com/id/10020271/site/newsweek/page/2/>>

SunPower: <<http://www.msnbc.msn.com/id/10020271/site/newsweek/page/9/>>

### **SEIA Stance on Solar Earmarks 11-11-05**

Per this story in RenewableEnergyAccess, a SEIA review of the newly negotiated Energy and Water Development spending bill, now set to be adopted by Congress, reveals that the size and percentage of mandated projects will reach a record for FY 2006, with a total of \$14.4 million diverted from research. Story at: <<http://renewableenergyaccess.com/rea/market/business/viewstory?id=39136>>

### **Organic Semiconductors 11-11-05**

According to this press, the number of organic semiconductor patents continues to grow with Japanese and Korean firms leading the way. Story at: <<http://optics.org/articles/news/11/11/9/1>>

### **Renewable Markets Strong 11-10-05**

Global investment in renewable energy set a new record of \$30 billion in 2004 according to a new report released by the Renewable Energy Policy Network for the 21<sup>st</sup> Century. Press at Clean Edge News: <<http://www.cleandedge.com/news-listing.php>>  
Report: <<http://www.worldwatch.org/press/news/2005/11/06/>>

### **Interstate Renewable Energy Council E-Newsletter [Jane Pulaski] 11-10-05**

For the latest issue of IREC's Going Solar and the Department of Energy's Million Solar Roofs E-Newsletter, with coverage of schools going solar, interconnection/net metering, incentives/rebates, and other topics, see:

<<http://www.irecusa.org/index.html?PHPSESSID=3a5c79dd49ca8473d9464adab95d3feb>>

### **IEA Report on World Energy 11-9-05**

Energy from emerging renewables will grow faster than any other source in the world until 2030, increasing at 6.2% per year, according to the latest forecast from the International Energy Agency. Story at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=29798526&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=29798526&accnum=1&topics=>)  
World Energy Outlook: <<http://www.worldenergyoutlook.org/>>

### **Solar for Water Pumping 11-9-05**

The state of New York has published a guide to provide information to farmers and landowners that want to install solar-powered water pumping systems. Press at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=46165103&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=46165103&accnum=1&topics=>)  
Guide: <<http://www.nyserda.org/publications/solarpumpingguide.pdf>>

### **SolarPlaza Update & Newsletter (SUN) 11-9-05**

For the latest issue of SolarPlaza.com's Update & Newsletter, including an interview with Gosse Boxhoorn, CEO of Solland Solar, see: <<http://www.solarplaza.com/newsletter/2005/October/>>

### **Reports Available Through CEC [Bob Aldrich] 11-7-05**

A consultancy report, "Publicly Owned Electric Utilities and the California Renewable Portfolio Standards: A Summary of Data Collection Activities", California Energy Commission publication CEC-300-2005-023, is available on line at: <[http://www.energy.ca.gov/portfolio/notices/2005-11-04\\_notice\\_availability.html](http://www.energy.ca.gov/portfolio/notices/2005-11-04_notice_availability.html)>

A draft staff report, "2006 Renewable Energy Investment Plan", CEC-300-2005-024-SD, a report for the November 14<sup>th</sup> Committee Workshop on the investment plan, is available at: <<http://www.energy.ca.gov/renewables/investmentplan/documents/>>

### **Quantum Dot History 11-4-05**

Evident Technologies announced that it has launched a living online history of early work in the field of quantum dot technology. More at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b55B8541D-114A-4141-BCC0-468B0C646687%7d&siteid=mktw&dist=nbk&symp=>>>

### **Renewable Energy Services 11-3-05**

Few barriers exist in the market for renewable energy services, reports the U.S. International Trade Commission in its study Renewable Energy Services: An Examination of U.S. and Foreign Markets. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38818>>  
U.S. ITC: <<http://www.usitc.gov/>>

### **RTS PV Market Report [Izumi Kaizuka] 11-3-05**

RTS Corporation has published an annual report of the PV market, "PV Market in Japan 2005/2006 – Current Topics and Future Prospects". As of the end of 2004, the cumulative installed PV capacity in Japan reached 1 GW (1,131 MW). Per the press release, this milestone was achieved as a result of

the long-term efforts by the Japanese Government for dissemination and research and technological development of PV systems. For information on the report, see:  
<<http://www.mmjp.or.jp/rts/market.html>>

#### **Photon International Contents – November 11-3-05**

For contents of the November 2005 issue of Photon International, including several live links (in red), see: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-11.htm](http://www.photon-magazine.com/photon/news_issue_2005-11.htm)>  
Additional stories and information at: <<http://www.photon-magazine.com/>>  
Sun Screen II Report at: <[http://www.photon-magazine.com/news/news\\_2005-08\\_ww\\_med\\_feat\\_Sunscreen.htm](http://www.photon-magazine.com/news/news_2005-08_ww_med_feat_Sunscreen.htm)>

#### **European Photovoltaic Industry Association Newsletter – November 11-3-05**

For the November 2005 issue of EPIA's Newsletter - Solaris, with coverage of EPIA activities, upcoming events, company news, national news, European news, international news, technological developments, and other topics, see: <[http://www.epia.org/09newsletter/newsletter\\_new.asp](http://www.epia.org/09newsletter/newsletter_new.asp)>  
For example, see the link to "PV Status Report 2005 – Research, Solar Cell Production and Market Implementation of Photovoltaics" by Arnulf Jaeger-Waldau.

#### **EERE Network News [Kevin Eber] 11-2-05**

For the latest issue of EERE Network News, including coverage of 2 500-kW solar power systems installed in New Jersey, see: <<http://www.eere.energy.gov/news/enn.cfm>>

#### **Spain's Attractive Renewables Market 11-2-05**

Per this press, Spain continues to be the most attractive country in the world for renewable energies. For more on the "Renewable Energy Country Attractiveness Indices", see ReFocus at:  
<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=88337344&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=88337344&accnum=1&topics=>)>  
Other ReFocus news at: <<http://www.sparksdata.co.uk/refocus/newsdesk.asp?accnum=1>>

#### **Alternative Energy Solutions 11-1-05**

For the article, "Protecting our Resources – The Drive for Clean Water, Energy and Supply Security – Alternative Energy Technology and Water Purification Systems Provide Solutions", see RenewableEnergyStocks.com at: <<http://www.renewableenergystocks.com/Articles/Resources.asp>>

#### **Recycling Silicon [Kit Temple] 11-1-05**

For an article on "Recycling Silicon", see ENF.cn at:  
<<http://www.enf.cn/magazine/issue2/recycle.html>>  
See additional articles, including PV Exhibition Value, at:  
<<http://www.enf.cn/magazine/issue2/exhibition.html>>

### **Solicitations, RFPs, LOIs, etc. & Awards**

#### **DoD SBIR Solicitation 11-30-05**

For information on the DoD 2006.1 SBIR Solicitation, see the website at:  
<<http://www.acq.osd.mil/sadbu/sbir/solicitations/sbir061/index.htm>>. For example, under Solicitation Topics, see Air Force which includes: Next Generation Solar Cells Based on Nanostructures, Photo-Electrochemical Generation of Hydrogen for Fuel Cell Operation, and Innovative Near Space (High Altitude Air) Platform Technologies.

#### **Konarka Award 11-30-05**

Konarka Technologies, Inc. announced it was awarded a \$100,000 grant from the National Science Foundation to expedite development of high-performance power plastic. Story at:  
<<http://biz.yahoo.com/bw/051130/20051130005437.html?v=1>>  
Konarka: <<http://www.konarka.com/>>  
NSF: <<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0539032>>  
<<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0450532>>

Konarka and Evident (March):

<<http://www.photonics.com/todaysheadlines/article.asp?id=5457&bhcp=1>>

<[http://www.konarka.com/news\\_and\\_events/press\\_releases/2005/3\\_march/0323\\_evident\\_tech.php](http://www.konarka.com/news_and_events/press_releases/2005/3_march/0323_evident_tech.php)>

Evident: <<http://www.evidenttech.com/>>

### **PNM Renewable Energy Proposals, New Mexico [Green Power Network] 11-22-05**

For information on PNM's renewables request for proposals, see:

<[http://pnm.com/news/2005/1116\\_rfp.htm](http://pnm.com/news/2005/1116_rfp.htm)>

The Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

### **Xantrex Inverter Development 11-22-05**

Xantrex Technology Inc. has received an award from DOE's NREL under its Photovoltaics Manufacturing R&D initiative for "Advanced, High-Reliability, System-Integrated 500 kW Photovoltaic (PV) Inverter Development". Xantrex will match the funding during the course of the project. Per the press, the funding will be used to develop Xantrex's next generation state-of-the-art optimized technology that will result in a new product line of commercial and industrial scale PV inverters. Press at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT130.htm>> and RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=39614>> Xantrex: <<http://www.xantrex.com/>>

### **University of Rochester Solar Award 11-18-05**

UR scientist Man Lit Ng received a \$200,000 award to explore ways to create functional organic materials for use in light-emitting diodes, radio frequency identification tags, PV cells, and chemosensors and biosensors. Press at: <<http://www.rbj.net/fullarticle.cfm?sdid=57816>>

<<http://www.rochesterdandc.com/apps/pbcs.dll/article?AID=/20051117/NEWS01/511180352/1001/BUSINESS>>

### **REEEP Funding 11-15-05**

The Renewable Energy and Energy Efficiency Project announced its 4th call for project proposals from organizations that are active in policy and in the financing of renewable energy and energy efficiency. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39318>>

### **More on Ex-Im Bank Financing 11-15-05**

The Export-Import Bank of the United States is offering export financing on repayment terms up to 15 years for U.S. exports of goods and services used in certain renewable energy and water projects. For more on this financing, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=39320>>

### **Puget Sound RFP [Green Power Network] 11-7-05**

Puget Sound Energy has issued an RFP for up to 1,590 average-MW of new electricity supplies and efficiency by 2015. See: <<http://www.pse.com/About/Supply/2005rfps/>>

The Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

### **More on Air Force Grant, UNH-GT Solar Technologies 11-7-05**

The University of New Hampshire and GT Solar Technologies were awarded a U.S. Air Force grant to commercialize a new process with a number of potential applications, including lowering the cost of PV. The \$100,000 small business grant will help them develop a new process that creates very thin coatings and would allow solar cells to be produced faster. Press at:

<[http://www.redorbit.com/news/science/297041/unh\\_gt\\_solar\\_awarded\\_air\\_force\\_grant/index.html?source=r\\_science](http://www.redorbit.com/news/science/297041/unh_gt_solar_awarded_air_force_grant/index.html?source=r_science)>

GT Solar Technologies: <<http://www.gtsolar.com/>>

University of New Hampshire: <<http://www.ceps.unh.edu/news/releases05/solar905.htm>>

### **DARPA Award [Neil Thomas, Allen Barnett] 11-3-05**

Per this press, a broad consortium led by the University of Delaware could receive nearly \$53 million in funding – with the bulk of the money coming from the Defense Advanced Research Projects Agency – to more than double the efficiency of terrestrial solar cells. The University's Consortium for Very



High Efficiency Solar Cells, comprising 15 universities, corporations and laboratories could receive up to \$33.6 million from DARPA, if all options are awarded, and another \$19.3 million from UD and corporate team members. UD Press at:

<<http://www.udel.edu/PR/UDaily/2006/nov/solar110205.html>>

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=38812>>

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNATE33.htm>>

DelawareOnline:

<<http://www.delawareonline.com/apps/pbcs.dll/article?AID=/20051103/NEWS/511030344/1006>>

Background: <<http://www.darpa.mil/ato/solicit/VHESC/>>

## Competitions

## Additional

### **More on Subhendu Guha Award 11-22-05**

United Solar Ovonic LLC announced that Subhendu Guha, president of United Solar Ovonic, has won this year's World Technology Award in Energy for his innovative work on the science and technology of thin-film amorphous and nanocrystalline silicon materials and solar cells. Story at

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=39596>>

United Solar Ovonic: <<http://www.uni-solar.com/>>

### **FY 2006 Energy & Water Appropriations 11-21-05**

President Bush signed the Energy and Water Development Appropriations Act, 2006, on November 19, 2005.

### **HelioVolt Honors 11-15-05**

HelioVolt Corporation is being named Member Company of the Year by the Texas Renewable Energy Industries Association. TREIA will recognize HelioVolt for its advances in the commercialization of CIGS PV and its exceptional efforts toward the advancement of renewable energy industries in Texas.

Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b23A2299E-59A1-4BF4-8214-7C8AB5CDBC3B%7d&siteid=mktw&dist=nbk&symp=>>

HelioVolt: <<http://www.heliovolta.com/>>

### **Hydrogen Solar Business Leader 11-10-05**

Hydrogen Solar has been named by Scientific American magazine as a 2005 Scientific American 50 Business Leader for its contributions in the commercial development of technology for producing hydrogen with Tandem Cells. Story at Clean Edge: <<http://www.cleandedge.com/news-listing.php>>

Hydrogen Solar: <<http://www.hydrogensolar.com/>>

Scientific American: <<http://www.sciam.com/>>

### **SELF Award 11-10-05**

The Solar Electric Light Fund is one of 6 winners of the 51<sup>st</sup> annual Chevron Conservation Awards for bringing solar energy to developing countries. Press at: <<http://www.iran-daily.com/1384/2422/html/energy.htm#s104391>>

SELF: <<http://www.self.org/>>

Chevron Awards: <<http://www.chevron.com/news/press/2005/2005-10-29.asp>>

### **XsunX Finalist 11-1-05**

XsunX, Inc. has been named a corporate member of the World Technology Awards. Press at:

<<http://biz.yahoo.com/pz/051031/88803.html>>

XsunX: <<http://www.xsunx.com/>>

WTN: <<http://www.wtn.net/2005/summit/>>

<<http://www.wtn.net/2005/summit/finalists.html>>

## OCTOBER

### Solar Installations, Projects

#### ***University PV, New Jersey 10-31-05***

Monmouth University will begin installation of a 454-kW solar-powered system, furnished by PowerLight Corporation. More on this system at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR570.htm>>

PowerLight: <<http://www.powerlight.com/>>

#### ***Solectria Renewables PV System 10-31-05***

Solectria Renewables announced that it has completed the installation of a 12 kW grid-tied PV system at its manufacturing facilities, becoming the first inverter manufacturer to be a net exporter of electricity into the grid. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=38629>>

Solectria Renewables: <<http://www.solren.com/>>

#### ***Portugal's Multi-Megawatt PV Project 10-26-05***

Manuel Pinho, the economy minister, formally granted an operating permit to the world's largest solar power site. Per the press, the Moura site is scheduled to include a factory owned by BP Solar to make solar panels and a research laboratory. The installed capacity is planned to be 49.6 MW, with 350,000 solar panels spread over 114 hectares. Press through Solarbuzz

<<http://www.solarbuzz.com/index.asp>>

at: <<http://www.forbes.com/business/feeds/afx/2005/10/26/afx2299359.html>>

BP Solar: <<http://www.bp.com/genericsection.do?categoryId=4261&contentId=3060140>>

#### ***More on Johnson & Johnson PV System 10-25-05***

The Johnson & Johnson Consumer Companies dedicated their new 505-kW PV system furnished by PowerLight at the Skillman facility. For the story, see RenewableEnergyAccess at:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=anHkor\\_eTnO6?id=38361](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=anHkor_eTnO6?id=38361)>

PowerLight: <<http://www.powerlight.com/>>

#### ***Solar Thermal for California Pool 10-24-05***

Fountaingrove Athletic Club has completed installation of a new solar heating system for their pool in Santa Rosa. The Solar Water Heating System consists of 75 high efficiency FAFCO Revolution solar panels. SolarCraft Services of Novato installed the system. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR567.htm>>

SolarCraft Services: <<http://www.solarcraft.com/>>

FAFCO: <<http://www.fafco.com/WarmWater/FAFCO-Revolution.html>>

### **Shell Solar 10 MW PV System 10-24-05**

Shell Solar reported that progress has been made on construction of the 10 MW solar power plant at a former military area near Pocking, Bavaria. A quarter of the solar panels and three quarters of the mounting systems have now been installed. Story and photos at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR241.htm>>

Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar-ge>>

### **J&J PV System Dedication [Susan DeVico] 10-24-05**

The Johnson & Johnson Consumer Companies' Skillman campus dedicated its new solar power system consisting of ground-mounted panels that follow the sun. Per the press release, the 505-kW solar tracking system is the largest- and highest-output ground-mounted solar system east of the Mississippi. The system was dedicated at an outdoor celebration featuring Congressman Mike Ferguson, New Jersey Board of Public Utilities President Jeanne Fox, Montgomery Mayor Louise Wilson, and other state and local officials. PowerLight Press 10-24.

PowerLight: <<http://www.powerlight.com/>>

Johnson & Johnson news:

<[http://www.zwire.com/site/news.cfm?newsid=15426936&BRD=1091&PAG=461&dept\\_id=425695&rfi=6](http://www.zwire.com/site/news.cfm?newsid=15426936&BRD=1091&PAG=461&dept_id=425695&rfi=6)>

### **PV Powered Repeater Stations 10-21-05**

Apex-BP has been selected by TunisieTelecom to take part in the development of the Great Southern Desert of Tunisia. TunisieTelecom, the public Tunisian telecommunications operator, will build 4 repeater stations powered solely by PV power in the open desert. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsAFPR24.htm>>

Apex-BP Solar: <<http://www.bpsolar.fr/solaire/index.php>>

### **More on Navy's PV System in Hawaii 10-20-05**

The Navy's PV power rooftop system on Ford Island in Pearl Harbor, Hawaii incorporates 1,545 solar panels. Said Capt. Richard D. Roth, commanding officer of NAVFAC Hawaii, "The deployment of solar power at NAVFAC Hawaii demonstrates the Navy's commitment to using energy management practices that reduce operational costs and protect the environment." Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7586005&ResultCategoryType=2,7&NewsPageID=3>>

Additional press at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=36475772&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=36475772&accnum=1&topics=>)

PowerLight: <[http://www.powerlight.com/company/press-releases/2005/10.13.05\\_pearl-harbor.shtml](http://www.powerlight.com/company/press-releases/2005/10.13.05_pearl-harbor.shtml)>

### **SunTechnics' PV Plant in South Korea 10-20-05**

SunTechnics has been awarded a contract for the turnkey installation of the largest solar power plant in South Korea. The 1.2 MW plant will be constructed with its partner Korea Cottrell Co., Ltd. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASPR134.htm>>

SunTechnics: <<http://www.suntechnics.de/>>

### **Australian Solar Farm 10-19-05**

Australia's largest solar power farm could be constructed near Perenjori by 2008. Titled the Very Large Scale Photovoltaic project, it is being developed by Perenjori Shire, Murdoch University and Prime Solar. Story at:

<[http://geraldton.yourguide.com.au/detail.asp?class=news&subclass=local&category=general%20news&story\\_id=432318&y=2005&m=10](http://geraldton.yourguide.com.au/detail.asp?class=news&subclass=local&category=general%20news&story_id=432318&y=2005&m=10)>

### **Honey Factory's Solar, California 10-19-05**

Miller's Honey in Colton, California celebrated the completion of a 120 kW PV system on its facility. The project was designed and installed by Permacity. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=38124>>

Permacity: <<http://www.permacity.com/>>

### **Hempstead Town Hall PV System, New York 10-19-05**

The Hempstead Town Hall has installed 256 solar panels on the roof as part of a 40 kW solar energy system. The system was paid for by a grant from the New York Energy Research and Development Authority. Story through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at: <<http://www.wnbc.com/news/5116197/detail.html?rss=ny&psp=news>> NYSERDA: <<http://www.nyserda.org/default.asp>>

### **Concentrators for Shopping Center, South Australia 10-18-05**

South Australian renewable energy company Green and Gold Energy has signed a Letter of Intent with the owners of the Modbury Triangle Shopping Centre to install at least 750 kW of GGE's rooftop SunBall™ concentrators. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASPR133.htm>> Green and Gold Energy: <<http://www.greenandgoldenergy.com.au/>>

### **Encore Ceramics, Inc. PV System and Green Tags 10-18-05**

Encore Ceramics, Inc. dedicated the installation of a 29-kW PV system on the roof of its manufacturing facility and announced that it is purchasing green tags to make its facility 100% powered by renewable energy and its overall operations 100% "climate neutral". Story at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aRAZQNb8B\\_xh?id=37995](http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aRAZQNb8B_xh?id=37995)>

Encore Ceramics: <[http://www.encoreceramics.com/about\\_us.htm](http://www.encoreceramics.com/about_us.htm)>

Advanced Energy Systems: <<http://www.aesrenew.com/>>

Bonneville Environmental Foundation: <<http://www.b-e-f.org/>>

See the energy generation, Fat Spaniel view, at:

<<http://view2.fatspaniel.net/FST/Portal/AdvEnergySys/encore/HostedAdminView.html>>

Fat Spaniel: <<http://www.fatspaniel.com/>>

### **Stonyfield Farm's PV System, New Hampshire 10-18-05**

A 50-kW, 5,000 square-foot PV array has been installed on the roof of Stonyfield Farm's organic yogurt facility. Said Gary Hirshberg, Stonyfield Farm President and CEO, "This project is another step for us on our journey toward our dream of freeing Stonyfield Farm from the impacts and risks of fossil fuels." Stonyfield Farm worked with renewable energy partner NativeEnergy and the construction was handled by Solar Works. As part of the NativeEnergy's financing structure for the array, Stonyfield Farm has donated the rights to all of the green tags to Clean Air – Cool Planet. Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38066>>

Stoneyfield Farm: <<http://www.stonyfield.com/>>

NativeEnergy: <<http://www.nativeenergy.com/>>

Solar Works: <<http://www.solar-works.com/>>

Clean Air – Cool Planet: <<http://www.cleanair-coolplanet.org/>>

### **Phonix SonnenStrom 1-MW PV System 10-17-05**

Phonix SonnenStrom AG, is starting work on a PV plant in Germany with a peak power output of 1.04 MW. The plant will be built using thin-film modules from First Solar. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR240.htm>>

Phonix SonnenStrom AG: <<http://www.sonnenstromag.de/>>

First Solar: <<http://www.firstsolar.com/>>

### **PowerLight PV System in Hawaii [Susan DeVico] 10-14-05**

Naval Facilities Engineering Command, Hawaii and PowerLight Corporation held a Solar Dedication ceremony to celebrate the installation of the largest federal PV array in Hawaii. The array covers 31,000 square feet of roof space and incorporates 1,545 solar panels made by Sharp Corporation. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR564.htm>>

PowerLight: <<http://www.powerlight.com/>>

### **Solar Heating, UK 10-13-05**

The University of Brighton, UK, is installing an array of 60 evacuated glass-tube panels spanning 180 m<sup>2</sup>. The installation of Riomay solar thermal heating equipment is at Hillbrow, the University's swimming pool in Eastbourne. Press at:

<[http://www.responsesource.com/releases/rel\\_display.php?relid=22924&hilite=>](http://www.responsesource.com/releases/rel_display.php?relid=22924&hilite=>)>

Riomay: <<http://www.riomay.com/>>

Riomay press release: <[http://www.riomay.com/pdf/news\\_ub\\_131005.pdf](http://www.riomay.com/pdf/news_ub_131005.pdf)>

### **WorldWater Sends Relief 10-13-05**

WorldWater & Power Corp. is sending its trailer-mounted, solar-powered electric water pumping and purification system to help the relief efforts for hurricane victims in the Gulf Coast area. Press and photo at: <[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b32608655-91DE-44E7-8037-DA5C9A55701F%7d&siteid=mktw&dist=nbk&symb="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b32608655-91DE-44E7-8037-DA5C9A55701F%7d&siteid=mktw&dist=nbk&symb=)>

<<http://www.primezone.com/newsroom/prs/?pkgid=1984>>

WorldWater & Power Corp.: <<http://www.worldwater.com/>>

### **PV for Library in California 10-13-05**

SunWize Technologies and 3 Phases Energy Services have been awarded a contract for the turnkey design and installation of a solar grid-tie system for the Foothill Ranch branch of the Orange County Public Library. The project consists of a SunWize® 48.6 kW PowerPort. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR563.htm>>

SunWize: <<http://www.sunwize.com/>>

3 Phases Energy Services: <<http://www.3phases.com/>>

### **SCHOTT Receivers 10-12-05**

SCHOTT announced it has received its first large-volume order of solar receivers. Per the press, 19,300 receivers from SCHOTT will form the heart of the parabolic trough power plant to be constructed near the Hoover Dam in Boulder City, Nevada. SCHOTT is partnering with Solargenix Energy LLC with its project in Nevada. Press at:

<<http://www.us.schott.com/english/news/press.html?NID=141>>

Solargenix: <<http://www.solargenix.com/>>

### **PV-LED Lighting at Babson College [Moneer Azzam] 10-11-05**

SolarOne® Solutions, LLC announced that the company has completed its first installation of its SoLed™ lights at Babson College in Wellesley, Massachusetts. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR561.htm>>

SolarOne® Press: <<http://www.solarone.net/News/docs/pr051011.html>>

### **Solargenix Project (9/21/05) 10-10-05**

Solargenix Energy announced the approval of amendments to their Power Purchase Agreements with Nevada Power Company and Sierra Pacific Power Company by the Public Utility Commission of Nevada. The approval by the PUCN will allow Solargenix to complete the development of Nevada Solar One, a 64-MW Solar Thermal Electric Generating Plant located in Boulder City, Nevada. Press at: <[http://www.solargenix.com/news\\_details.cfm?id=11](http://www.solargenix.com/news_details.cfm?id=11)>

### **Solar at Fairgrounds, California 10-10-05**

As early as this spring, most of the building roofs at the Antelope Valley Fairgrounds will be covered with 630 kW of PV. Story at: <[http://www.avpress.com/n/08/1008\\_s8.hts](http://www.avpress.com/n/08/1008_s8.hts)>

### **Zero Energy Homes in Las Vegas 10-10-05**

The UNLV Center for Energy Research will monitor two homes that Pinnacle Homes constructed as part of a 146-home community called The Vinings in southwest Las Vegas. One of the houses has been modified to be the better performance house – the zero energy home is equipped with a PV system and other energy-savings features such as a tankless water heater connected to a solar water heater. The study will last 18 months before the model homes go on the market. Story at:

<<http://www.pahrumpvalleytimes.com/2005/10/07/news/solar.html>>

### **Bishop's Square Solar, UK 10-10-05**

In a project supported by a grant from DTI's Major Demonstration Programme, 494 solar panels will be fitted onto the roof of the new Bishop's Square development in Spitalfields. Solarcentury has joined with Hammerson UK Properties to install the PV. Story at:

<<http://www.newbuilder.co.uk/news/NewsFullStory.asp?ID=984>>

solarcentury: <<http://www.solarcentury.co.uk/>>

### **GE Energy in New York 10-10-05**

The Helena, a recently constructed 38-story residential apartment building in New York City features GE Energy's solar power technology. The solar electric systems were designed and installed on a turnkey basis by altPOWER, Inc. The Helena has a total of 17.1 kW of BIPV, including a solar entry canopy consisting of 28 custom-laminated glass panels and 132 custom-mounted 110-watt solar panels on the roof. GE Energy and altPOWER also teamed up to provide solar technology for the Solaire apartment building and the east wing of the Museum of Jewish Heritage in NYC. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newsNAPR560.htm>>

GE ecomagination: <[http://ge.ecomagination.com/@v=10052005\\_0422@/index.html](http://ge.ecomagination.com/@v=10052005_0422@/index.html)>

GE Energy: <<http://www.gepower.com/home/index.htm>>

altPOWER: <<http://www.altpower.com/home.shtml>>

### **CityMark Development's PV (9/16/05) 10-5-05**

Borrego Solar Systems completed the design and installation of a solar electric system for CityMark Development's new housing development The Egyptian in the Hillcrest area of San Diego, California.

Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR547.htm>>

Borrego Solar: <<http://www.borregosolar.com/>>

### **PV System in Hamburg, Germany (9/15/05) 10-5-05**

Following project approval from the local sanitation department, 3,132 Sharp polycrystalline modules were installed in cooperation with Sharp's partner SunEnergy GmbH covering an area of 4,100 square meters at Neu Wulmstorf. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR229.htm>>

Sharp, Europe: <<http://www.sharp-eu.com/>>

SunEnergy: <<http://www.sunenergy-qmbh.de/>>

### **More on New Jersey American Water PV System 10-5-05**

On October 11, New Jersey American Water will debut its ground-mounted solar electric system at its Canal Road Water Treatment Plant in Somerset, New Jersey. The 500-kW system was designed and built by Dome-Tech Solar, and includes more than 2,800 solar panels from RWE Schott Solar. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={927F87F7-9CAF-464D-9421-2B1714DE0139}&siteid=mktw&dist=nbk&symb=>>>

Dome-Tech Solar: <<http://www.dometechsolar.com/solar/>>

RWE Schott Solar: <<http://www.rweschottsolar.com/>>

### **Concentrating Solar Power 10-4-05**

New tax credits in the Energy Policy Act of 2005 are providing a catalyst for a number of new commercial scale concentrating solar power projects, with major announcements from Stirling Energy Systems, Solargenix, and International Automated Systems. For more on these announcements, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=abSXvQ-b4rs6?id=37251>> and

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B89985B58%2D41B6%2D4D4C%2DAF8F%2DCD3C5EF1E948%7D>>

International Automated Systems: <<http://www.iaus.com/>>

Solargenix story: <<http://www.renewableenergyaccess.com/rea/news/story?id=36934>>

Stirling Energy Systems story: <<http://www.renewableenergyaccess.com/rea/news/story?id=36224>>

### **Solar Bus Stops in London 10-4-05**

Carmanah Technologies Corporation announced it was awarded a contract by Trueform Engineering Ltd for the supply of a minimum of 1,200 solar LED-illuminated bus stops in London. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B236BA3F6%2D05BA%2D4B1F%2DB8C6%2D23DFAE1B64D9%7D>>

Carmanah®: <<http://www.carmanah.com/>>

### **Millennium Electric 1-MW PV System (9/27/05) 10-4-05**

An agreement was signed recently in Southern Italy between Millennium Electric and Restruttura S.L.R. for construction of a new PV system. Millennium Electric T.O.U. Limited will install a 1-MW solar power system using Millennium brand 160-watt PV panels, connected to the Italian grid. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR235.htm>>



Millennium Electric: <<http://www.millenniumsolar.com/>>

Additional story on Millennium Electric T.O.U. Orders:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BCD0A8164%2D89E8%2D4C0E%2DB467%2DA45FE91B106A%7D>>

#### **Solar for Wastewater Plants (9/27/05) 10-4-05**

The use of solar energy to offset the power required at wastewater treatment plants is an increasingly noticeable application of solar on-site generation. For examples of these applications in Massachusetts and New Jersey, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37056>> and

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BF13E2650%2D15AD%2D45D5%2D8F2E%2DCD7DE3C7E843%7D>>

Pioneer Valley Photovoltaics: <<http://www.pvsquared.coop/>>

Dome-Tech Solar: <<http://www.dometechsolar.com/solar/>>

RWE Schott Solar: <<http://www.rweschottsolar.com/>>

#### **North Sea Island Solar Park (9/27/05) 10-4-05**

Utility E.ON Hanse AG will invest an additional 3.7 million Euro in an existing solar plant on the North Sea island of Pellworm. By mid 2006, old PV modules will be replaced which will allow the utility to install 50% more power on the same area. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR234.htm>>

#### **WorldWater & Power USTDA Grant 10-4-05**

The U.S. Trade and Development Agency has awarded \$360,000 in grant funds to WorldWater & Power Corp. to support a pilot project for water supply in Sri Lanka. The project is designed to assess solar technology methods to provide safe, sustainable water supplies to people in 6 villages. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B7C07E54B%2D775D%2D4F82%2DAB74%2DD3EAC060F727%7D>>

WorldWater & Power: <<http://www.worldwater.com/>>

#### **WorldWater & Power Contracts (9/20/05) 10-4-05**

WorldWater & Power Corporation announced it has signed contracts totaling \$1.4 million to build and install solar electric power systems for two car washes in the Los Angeles area. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BBABF7292%2D6243%2D44DB%2DBEFB%2D7C6791429165%7D>>

WorldWater & Power: <<http://www.worldwater.com/>>

#### **QUALCOMM's PV System, California (9/26/05) 10-4-05**

The San Diego Regional Energy Office along with business, state and local dignitaries formally dedicated QUALCOMM's new PV system installed on the roof of QUALCOMM's San Diego Design Center facility, with the dedication serving to kick-off SDREO's Solar Energy Week 2005. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR554.htm>>

#### **Emigh Ace Hardware PV System (9/27/05) 10-4-05**

California officials joined with Emigh Ace Hardware of Sacramento, California, in dedicating the largest retail solar electric system in Sacramento. The 200 kW PowerGuard® solar system was designed and installed by Team Solar of Sacramento. PowerLight's PowerGuard system was selected by Team Solar as an optimal solar electric technology application for the expansive flat roof space. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR555.htm>>

Team Solar: <<http://www.teamsolarinc.com/>>

PowerLight: <<http://www.powerlight.com/>>

#### **Smoky Valley Library District PV, Nevada (9/28/05) 10-4-05**

Sierra Pacific Power has paid a \$140,000 rebate to the Smoky Valley Library district for investing in a PV solar power system that will generate up to 28,000 watts of electricity for the Round Mountain Public Library in Nye County, Nevada. It is the largest individual rebate ever paid through Sierra Pacific's SolarGenerations® program. The project was designed by The Energy Architect, and installed by Mount Grant Electric. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR556.htm>>

SolarGenerations®: <<http://www.solargenerations.com/>>

**Nextek System at Frito Lay, New York (9/28/05) 10-4-05**

Nextek Power Systems announced installation of their high efficiency renewable energy lighting system in a Frito Lay Distribution Center in New York. The facility is equipped with a lighting system that uses DC fluorescent ballasts, roof-integrated solar panels, occupancy sensors, and daylight sensors. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B23FB7ED1%2D13D9%2D4780%2D9F81%2DDE5959D64642%7D>>

Nextek Power: <<http://www.nextekpower.com/>>

**Spire and Shell Solar PV System in Connecticut (9/28/05) 10-4-05**

Spire Corporation announced that it collaborated with Shell Solar Industries to design and install a 16.5 kW PV system at the offices of Centerbrook Architects and Planners, LLC in Centerbrook, Connecticut. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BEACAD352%2D995F%2D4C54%2D812B%2DFF16D776B458%7D>>

Spire: <<http://www.spirecorp.com/>>

Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

**PV Project for Recycling Center, California 10-4-05**

Members of the San Francisco Public Utilities Commission approved an agreement to design and install an 18,500 square foot PV system on the rooftop of a recycling and disposal center at Pier 96 in San Francisco, California. The SFPUC also reported that new year-end data for its 675-kW solar array at the Moscone Center show the system producing 5% more electricity than projected in its first complete year of operation. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=abSXvQ-b4rs6?id=37414>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR557.htm>>

SFPUC: <<http://sfwater.org/home.cfm>>

PowerLight: <<http://www.powerlight.com/>>

**California School District PV (10/1/05) 10-4-05**

Working with 3<sup>rd</sup> Rock Systems & Technologies, two school districts in California are in the process of installing more than 800 kW of solar electric power across multiple schools within each district. The PV systems manufactured by RWE Schott Solar, Inc. will meet 85-95% or more of each school's electrical needs. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=abSXvQ-b4rs6?id=37313>> and Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR559.htm>>

3<sup>rd</sup> Rock Systems & Technologies: <<http://www.3rdrock.us/>>

RWE Schott Solar: <<http://www.rweschottsolar.com/>>

**Technology Applications**

**Solar Energy Train 10-21-05**

Per this press, Italy unveiled Europe's first solar-power train. Solar panels on the roof provide energy for air conditioning, illumination and safety systems. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7586270&ResultCategoryType=2,7&NewsPageID=3>>

**More on Solar Hydrogen 10-17-05**

The BOC Foundation awarded funding to Hydrogen Solar Ltd. to develop and demonstrate a scalable system that will produce hydrogen directly from sunlight and water using the Hydrogen Solar Tandem Cell™ array. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37976>>

Hydrogen Solar: <<http://www.hydrogensolar.com/>>

BOC: <[http://www.boc.com/news/article\\_952\\_14oct05.asp](http://www.boc.com/news/article_952_14oct05.asp)>

### **Wearable Electronics (9/28/05) 10-4-05**

Konarka Technologies and Textronics™, Inc. announced a joint development program to create prototype garments and fashion accessories with portable, wearable power-generation capabilities. More at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT124.htm>>  
Konarka: <<http://www.konarka.com/>>  
Textronics: <<http://www.textronicsinc.com/>>  
See other product news at Solarbuzz: <<http://www.solarbuzz.com/solarindex/expo.htm>>

## **Technology Developments**

### **Solargenix Development 10-24-05**

Researchers at NREL have collaborated with Solargenix Energy on the solar collector technology to be used in the development of a 64-MW Solar Thermal Electric Generating Plant in Boulder City, Nevada. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aEEa9fWi3htf?id=38258>>  
Solargenix: <<http://www.solargenix.com/>>  
NREL: <[http://www.nrel.gov/news/press/2005/3505\\_nrel\\_supports\\_development.html](http://www.nrel.gov/news/press/2005/3505_nrel_supports_development.html)>

### **More on Nanocrystal Solar Cells 10-21-05**

For press on a paper appearing in the October 21 issue of the journal Science on a solar cell comprised of inorganic nanocrystals and spin cast from solution, see the Berkeley Lab press at: <<http://www.lbl.gov/Science-Articles/Archive/MSD-nanocrystal-solar-cells.html>>  
Berkeley Lab: <<http://www.lbl.gov/>>

### **Plastic Solar Cells 10-20-05**

For the article "Making a Soft Cell", see MIT Technology Insider at: <[http://www.technologyreview.com/articles/05/10/wo/wo\\_101705bullis.asp?trk=top](http://www.technologyreview.com/articles/05/10/wo/wo_101705bullis.asp?trk=top)>

### **Stellaris Concentrating PV 10-18-05**

Stellaris Corporation has developed Concentrating Photovoltaic Glazing, a new type of solar module technology that consists of small lenses that concentrate light onto narrow strips of thin-film PV material. See press at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/productstory?id=37887>>  
Stellaris Corporation: <<http://www.stellaris-corp.com/>>  
Stellaris press: <<http://www.stellaris-corp.com/Press.htm>>

### **More on UCLA Solar Cell Developments 10-13-05**

In research published in Nature Materials magazine, UCLA researchers showcase their work on a new plastic solar cell. For coverage at RenewableEnergyAccess, see: <<http://www.renewableenergyaccess.com/rea/news/story?id=37865>>  
UCLA Engineering: <<http://www.engineer.ucla.edu/>>  
UCLA Press: <<http://www.engineer.ucla.edu/news/2005/plasticsolarcells.html>>  
Nature Materials: <<http://www.nature.com/nmat/index.html>>

### **Thermophotovoltaics Development 10-12-05**

China Energy Savings Technology, Inc. announced it has entered into a Letter of Intent with Beijing Zhongmei Chengnix Technology Ltd. to develop Thermo-photovoltaic Cell Technology. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b811C0AA6-E70D-4291-AC40-A9B01885C992%7d&siteid=mktw&dist=nbk&symp=>>>  
CESV: <<http://www.cesv-inc.com/>>

### **RPI PV Collector 10-12-05**

For a story on solar collector technology developed by Rensselaer Polytechnic Institute, see "Juice From Solar Concentrate", highlighted at PV-UK's electronic newsletter, at: <<http://www.spectrum.ieee.org/oct05/1864>>  
Graphic: <<http://www.spectrum.ieee.org/oct05/1864/nsolf1>>

For more news from PV-UK [Delphine Wolfe], visit:  
<<http://www.greenenergy.org.uk/pvuk/news/news.asp>>

#### **Dye Sensitized Solar Cells 10-11-05**

STMicroelectronics is developing dye-sensitized solar cells. Per this article it has produced demonstration DSSCs as complete series-parallel arrays on glass and is looking to build larger power generating installations. Story at:

<<http://www.electronicweekly.com/Articles/2005/10/10/36498/STdevelopsdye-sensitisedsolarcells.htm>>

ST: <<http://www.st.com/stonline/>>

#### **Plastic, Organic Solar Cells 10-10-05**

In research published in Nature Materials magazine, UCLA researchers showcase their work on a new plastic solar cell. Story at: <<http://www.physorg.com/news7098.html>>

For the article "Race is On for Efficient Organic Solar Cells", see:

<[http://www.scienceagogo.com/news/20050909214015data\\_trunc\\_sys.shtml](http://www.scienceagogo.com/news/20050909214015data_trunc_sys.shtml)>

See also: <<http://www.sciencedaily.com/releases/2005/10/051009202947.htm>>

#### **XsunX Transparent Solar Cell 10-4-05**

XsunX announced that continued product development success has produced large area integrated solar cell modules on transparent polyester films, representing a milestone for the Company under its Phase III development program. Story at:

<[http://www.rednova.com/news/science/258595/xsunx\\_produces\\_large\\_area\\_transparent\\_solar\\_cell\\_on\\_thinfilmm\\_plastic/index.html?source=r\\_science](http://www.rednova.com/news/science/258595/xsunx_produces_large_area_transparent_solar_cell_on_thinfilmm_plastic/index.html?source=r_science)>

XsunX: <<http://www.xsunx.com/>>

### **Manufacturing**

#### **Solar Cell and Module Manufacturer 10-31-05**

Moser Baer India Ltd has announced plans to enter the PV business. The company, which plans to make an aggressive entry by manufacturing solar cells and modules, is targeting a capacity of 80 MW by 2007. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASMA57.htm>>

Moser Baer: <<http://www.moserbaer.com/>>

#### **Solar Cell Manufacturing, China 10-26-05**

Per this press, the No. 48 Research Institute of the China Electronics Technology Group Corp. has recently developed equipment for making solar cells. Press at:

<<http://au.biz.yahoo.com/051026/17/bxbf.html>>

#### **Singapore Joint Venture 10-24-05**

Per this press, Webel-SI Energy Systems Ltd has decided to set up a joint venture company with an equity capital of S\$1 million in Singapore for manufacturing solar cells. Press through Solarbuzz at:

<<http://sg.biz.yahoo.com/051024/16/3vvj0.html>>

#### **Kyocera in the Czech Republic 10-24-05**

Kyocera increased its manufacturing capacity for solar modules by opening its first European solar production plant in Kadan, a northern town of the Czech Republic. Official opening was October 19.

Press at: <<http://global.kyocera.com/news/2005/1001.html>>

#### **PSC Solar Cell Production 10-20-05**

Taiwan-based Powerchip Semiconductor Corporation will expand its product coverage from memory to solar cells and LED production according to company chairman Frank Huang. Story at:

<<http://www.digitimes.com/news/a20051020A5022.html>>

PCS: <<http://www.psc.com.tw/index.jsp>>

### **Evergreen Solar Milestone 10-11-05**

Evergreen Solar, Inc., celebrated the "roof closing" of the 30-MW solar wafer, cell and module manufacturing plant in Thalheim, Germany. The plant is being constructed by EverQ, a strategic partnership between Evergreen Solar, Inc. and Q-Cells AG. Press at Evergreen Solar: <<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-newsArticle&ID=766502&highlight=>>

### **Spire PV Manufacturing 10-5-05**

Spire Corporation announced that it will establish photovoltaic module manufacturing in Bedford, Massachusetts to meet the growing demand for customized modules for the Building Integrated Photovoltaics market. The production line will have an annual capacity of approximately 5 MW. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAMA58.htm>>  
Spire: <<http://www.spirecorp.com/>>

### **New Wafer Facility (9/27/05) 10-4-05**

Deutsche Solar AG is about to start construction of its second factory for the production of solar silicon wafers in Freiberg/Saxony. Said Prof. Dr. Peter Woditsch, CEO of Deutsche Solar AG, "With Wafer Factory II, we are expanding our production capacities initially to 200 MW by the end of 2006. The building and the infrastructure will be designed to allow for a later increase in capacities to at least 270 MW". Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA80.htm>>  
SolarWorld AG: <<http://www.solarworld.de/>>

### **Ekarat Solar Cells, Thailand 10-4-05**

Ekarat Engineering Plc plans to make solar cells at Amata City, Royong, with a production capacity of 50 MW. Press through Solarbuzz at: <[http://www.bangkokpost.com/Business/03Oct2005\\_biz44.php](http://www.bangkokpost.com/Business/03Oct2005_biz44.php)>

## **Industry Business Developments, Status**

### **SunPower Plans 10-31-05**

For the press "SunPower Corp. sets terms for 7.7 mln share IPO", see Reuters, through Solarbuzz <<http://www.solarbuzz.com/News/Corporate.asp>>  
at: <[http://today.reuters.com/investing/financeArticle.aspx?type=newIssuesNews&storyID=2005-10-31T130811Z\\_01\\_N31644624\\_RTRIDST\\_0\\_ENERGY-SUNPOWER-IPO-URGENT.XML](http://today.reuters.com/investing/financeArticle.aspx?type=newIssuesNews&storyID=2005-10-31T130811Z_01_N31644624_RTRIDST_0_ENERGY-SUNPOWER-IPO-URGENT.XML)>

### **SolarWorld Profits 10-31-05**

For coverage of SolarWorld AG group profits, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsEUCO212.htm>>  
SolarWorld: <<http://www.solarworld.de/>>

### **Solar-Fabrik Results 10-31-05**

For coverage of Solar-Fabrik's 3<sup>rd</sup> quarter 2005 results, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsEUCO213.htm>>. Per the article, the company's new 100% subsidiary company Global Expertise Wafer Division Ltd. made a considerable contribution to the positive business development of Solar-Fabrik AG.  
Solar-Fabrik: <<http://www.solar-fabrik.de/>>

### **Solar Works Management Team and Funding 10-31-05**

Solar Works, Inc. announced that it has expanded its executive management team with the addition of Ron French as CEO and Tim Seamans as COO/CFO. Also, the company has secured incremental financing through the sale of common stock to fund its future growth and expansion. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO366.htm>>  
Solar Works, Inc.: <<http://www.solar-works.com/>>

### **Solar Power Application 10-26-05**

Soldius and mysoldius™ announced the New England debut of the Soldius1™ Universal Solar Charger for iPods. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b3C352B69-BF66-4FD6-B4EB-F41E14F3BDF1%7d&siteid=mktw&dist=nbk&symb=>>  
mysoldius: <<http://www.mysoldius.com/>>

#### **SEIA Committee 10-25-05**

The Solar Energy Industries Association has formed a solar industry Political Action Committee. Information at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=38376>>  
SEIA: <<http://www.seia.org/>>

#### **Phonix SonnenStrom Financial Results 10-25-05**

For coverage of financial results from Phonix SonnenStrom AG, see the story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO211.htm>>  
Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

#### **Sunline in PHOTON PPVX [Cerys Rees] 10-25-05**

Sunline AG has been listed as the 24<sup>th</sup> stock in the PHOTON Photovoltaic Stock Index, and is the 12<sup>th</sup> German company to be listed. [Solar Verlag press release]  
PHOTON International PPVX: <<http://www.photon-magazine.com/ppvx/ppvx.htm>>  
Sunline AG: <<http://www.solartechnik.de/>>

#### **Pyron Solar's Campaign 10-24-05**

According to this article, Pyron's employees launched an aggressive campaign late last month with the hope of garnering enough financial support in the coming year to start production on a new kind of solar electric generator. For the story, see RedNova at: <[http://www.rednova.com/news/science/281582/fledgling\\_solar\\_firm\\_seeks\\_225m\\_in\\_cashbut\\_not\\_from\\_vcs/index.html?source=r\\_science](http://www.rednova.com/news/science/281582/fledgling_solar_firm_seeks_225m_in_cashbut_not_from_vcs/index.html?source=r_science)>  
Pyron solar: <<http://www.pyronsolar.com/US/home.htm>>

#### **Solar Grade Silicon 10-24-05**

For the article "Chief: 'Vibrant atmosphere' at Solar Grade Silicon", see: <<http://www.columbiabasinherald.com/articles/2005/10/24/news/news01.txt>>

#### **BHEL Solar Module Certification 10-24-05**

Bharat Heavy Electricals Ltd has received international certification for its PV modules of up to 150-watt rating used in solar power plants and rooftop systems. Press at: <<http://www.hindu.com/thehindu/holnus/006200510241133.htm>>  
BHEL: <<http://66.39.99.160/bhel/home.php>>

#### **WorldWater Contract 10-24-05**

WorldWater & Power Corp. announced it has signed a \$3.2 million contract to build and install a solar electric power system for Tri-Palms Estates Mobile Home Park and Golf Community in Thousand Palms, California. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR566.htm>>  
WorldWater & Power: <<http://www.worldwater.com/>>

#### **Solar Dealer Network [Jigar Shah] 10-21-05**

During Solar Power 2005, Barnabus Energy's partner Solar Roofing Systems announced enhancements to its dealer network of solar integrators across North America. Affiliated companies now representing the SolarSave™ product line include Renewable Technologies in California, New Jersey Solar Power, and additional organizations covering key PV markets in the US. For the story, including more on the Solar Power conference, see: <[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=97524](http://www.marketwire.com/mw/release_html_b1?release_id=97524)>  
Barnabus Energy Inc.: <<http://www.barnabusenergy.com/>>  
Solar Roofing Systems Inc.: <<http://www.solarsave.com/>>  
Solar Power 2005: <<http://www.solarpowerconference.com/>>

#### **Ekarat Solar Products 10-21-05**

According to this press, Ekarat Engineering Plc will float 182 million shares in its IPO on the Stock Exchange of Thailand to raise funds for its subsidiary, Ekarat Solar Co. Proceeds would be used to



expand the production of the company's solar products. Press at:  
<[http://www.bangkokpost.com/Business/21Oct2005\\_biz50.php](http://www.bangkokpost.com/Business/21Oct2005_biz50.php)>  
Ekarat Engineering: <<http://www.ekarat-transformer.com/>>

#### **Xantrex – Solon Agreement 10-21-05**

Xantrex Technology and Solon AG have signed an agreement valued a more than US \$10 million. Under the 2-year agreement, Xantrex will supply custom solar grid tie inverters to Solon AG. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEU0210.htm>>  
Xantrex: <<http://www.xantrex.com/>>  
Solon AG: <<http://www.solonag.de/>>

#### **Applied Films and Schmid 10-20-05**

**Applied Films Corporation and Gebr. Schmid GmbH announced that** they have entered into a non-exclusive strategic alliance whereby Gebr. Schmid GmbH will offer the Applied Films' ATON™ system as part of its turnkey production solutions for the PV industry. Story at:  
<<http://biz.yahoo.com/prnews/051020/lath048.html?v=30>>  
Applied Films: <<http://www.appliedfilms.com/>>  
<<http://www.appliedfilms.com/index.php?id=242>>  
Schmid: <<http://www.schmid-online.de/>>

#### **More on Chinese Partnership for Solar 10-20-05**

China Energy Savings Technology and Beijing Zhongmei Chengxin Technology Ltd. entered into a Letter of Intent to develop CESV "Thermo-photovoltaic Cell Technology". For the story at RenewableEnergyAccess, see: <<http://www.renewableenergyaccess.com/rea/news/story?id=38160>>  
CESV: <<http://www.cesv-inc.com/index.htm>>

#### **XsunX Solar Cell 10-19-05**

XsunX, Inc. announced that it has expanded its business opportunities to include the product development of a new opaque solar cell device. The 4-terminal solar cell design uses a combination of thin-film transparent cell technology with that of a nano-crystalline solar cell. Press at:  
<<http://www.primezone.com/newsroom/news.html?d=88077>>  
XsunX: <<http://www.xsunx.com/>>

#### **Solar Roofing System 10-19-05**

Barnabus Energy, Inc. announced that management has approved funding for the development of a Solar Roofing Systems new product, the SunPak 3P portable solar energy system. Said David Saltman, CEO of Barnabus, "Clearly we see tremendous opportunity for this product for both military and civilian applications. Imagine if those victims and officials stranded without power in New Orleans could have unfolded a notebook-size solar photovoltaic array and recharged their batteries for their phones, flashlights and other gear." Story at: <<http://biz.yahoo.com/iw/051019/098365.html>>  
Barnabus Energy Inc.: <<http://www.barnabusenergy.com/>>

#### **New IREC Board Members [Jane Pulaski] 10-18-05**

John Hoffner and Clinton Berry have been elected to the Interstate Renewable Energy Council's Board of Directors. Hoffner manages the renewable power plant division at Conservation Services Group, and Berry is with the Tennessee Energy Division. [IREC press].  
IREC: <<http://irecusa.org/>>

#### **CIA Green Energy 10-18-05**

SkyBuilt Power® Inc. has begun building electricity-generating units fueled mostly by solar and wind energy. Per the press, privately owned SkyBuilt has a new investor – In-Q-Tel, a venture capital firm set up by the CIA. Story at: <[http://news.yahoo.com/s/csm/20051018/ts\\_csm/aplugandplay\\_1](http://news.yahoo.com/s/csm/20051018/ts_csm/aplugandplay_1)>  
SkyBuilt Power®: <<http://www.skybuilt.com/>>

#### **Solar Wholesaler Subsidiary in Italy 10-17-05**

AET GmbH now has its own subsidiary close to its Italian customers. The new subsidiary in Vicenza (Venetia) is headed by Giuseppe Sofia. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEU0209.htm>>  
AET: <<http://www.aet.de/>>

### **ErSol Supply Contract 10-14-05**

EerSol Solar Energy AG has entered into a long-term customer agreement for the supply of solar cells until 2015 with an Italian solar module manufacturer. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUMA81.htm>> and RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=37900>>

ErSol: <<http://www.ersol.de/>>

### **Solar Integrated Orders 10-13-05**

Solar Integrated Technologies Inc. has received 6 additional orders from European customers,

including a sale in Spain. Press at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR238.htm>>

Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

### **Technology Park, Illinois 10-13-05**

A Tax Increment Financing Redevelopment Agreement approved by the Chicago City Council is paving the way for the opening of the University Technology Park At ITT on the campus of Illinois Institute of Technology. The University Technology Park Incubator will open this month with 1/3 of the space already leased to start-up companies All Cell Technology and Solar Phocus Technology. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b65CE40E7-CBCD-40D3-BA83-BAD2DF39FAF9%7d&siteid=mktw&dist=nbk&symb=>>

University Technology Park At ITT: <<http://www.universitytechnologypark.com/>>

Previous press: <<http://www.chicagotribune.com/business/chi-0508130163aug13,1,2951102.story?coll=chi-business-hed>>

### **DayStar Appointments 10-13-05**

DayStar Technologies, Inc. announced the appointment of Mr. Terence (Terry) Schuyler as Vice President of Sales and Marketing, and Thomas A. (Tom) Polich, Esq. as General Counsel and Assistant Secretary. Story at: <<http://www.daystartech.com/>>

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bDD0DFDF5-3C79-40F7-A0D2-6E9DB6E31D3F%7d&siteid=mktw&dist=nbk&symb=>>

### **CentroSolar and Solarstocc 10-13-05**

CentroSolar has finalized the acquisition of 66% of Solarstocc. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37855>>

CentroSolar: <<http://www.centrosolar.com/>>

Solarstocc: <<http://www.solarstocc.com/home/main.php>>

### **SunWize Systems 10-12-05**

SunWize Technologies announced expansion of their SunWize® Grid-Tie Systems program for residential and commercial buildings. The company recently added engineering, marketing, and sales resources dedicated to quality grid-tie systems and installations. The new program includes new sales and marketing tools for dealers and installers as well as new GTS models. Press at SunWize:

<<http://www.sunwize.com/news/index.htm>>

### **Evergreen Solar Updates 10-12-05**

The German government is providing EverQ with grants totaling approximately \$34 million to offset the new manufacturing facility construction costs. At 30 MW, the plant is expected to create between 350 and 400 new jobs in Thalheim, Germany. Based on the initial success of the facility Evergreen Solar and Q-Cells will evaluate the possibility of expanding the facility from 30 MW up to 120 MW of capacity. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b912F2227-A5E9-4EB7-954F-B8DE0B4E66F7%7d&siteid=mktw&dist=nbk&symb=>>

For news and financial information at Evergreen Solar, see the website at: <<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-irhome>>

<<http://phx.corporate-ir.net/phoenix.zhtml?c=123321&p=irol-analysts>>

Additional press:

<<http://www.marketwatch.com/news/newsfinder/pulseone.asp?siteid=mktw&dist=nbk&guid=%7bBF315607-695B-4EE2-918B-48D639D3245D%7d>>

**SunPower Board Members 10-12-05**

SunPower Corp. announced the appointment of 3 new members to its board of directors: W. Steve Albrecht, Betsy S. Atkins, and Pat Wood, III. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b434BA620-2A6A-405A-A340-E3051581B218%7d&siteid=mktw&dist=nbk&symp=>>>  
SunPower: <<http://www.sunpowercorp.com/html/>>

**Xantrex Supply Letter with Kopf AG 10-11-05**

Xantrex Technology and Kopf AG Umwelttechnik und Energietechnik have signed a Letter of Intent worth over \$2M. The Letter of Intent anticipates that Xantrex will deliver inverters with a total power of 10 MW to Kopf AG in 2006. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUCO208.htm>>  
Xantrex: <<http://www.xantrex.com/>>  
Kopf AG: <<http://www.kopf-ag.de/>>

**Apollo Solar Manager 10-10-05**

Apollo Solar named Herb Flynn as the new manager of the technical support team. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=37630>>  
Apollo Solar: <<http://www.apollo-solar.net/>>

**SunTechnics USA Subsidiary (9-13-05) 10-10-05**

SunTechnics has established a subsidiary in the USA named SunTechnics Energy Systems, Inc., with headquarters in Sacramento, California. Press release received 9/20/05. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNACO360.htm>>  
SunTechnics: <<http://www.suntechnics.com/index.htm>>

**Prism Solar Technologies at Industry Growth Forum [Rick Lewandowski] 10-10-05**

Prism Solar has secured seed financing and has begun working on second-generation prototypes of its technology. The company is currently raising additional financing and evaluating potential manufacturing sties. Prism has been selected to present at the 18<sup>th</sup> NREL Industry Growth Forum in San Francisco, November 7-9, 2005. Press release from Prism Solar Technologies, Inc., at RenewableEnergyAccess:  
<<http://renewableenergyaccess.com/rea/market/business/viewstory?id=37702>>  
18<sup>th</sup> NREL Industry Growth Forum: <<http://www.cleanenergyforum.com/>>  
Direct Global Power: <<http://www.directglobalpower.com/>>

**PV Powered Chairman and CEO 10-7-05**

Bob Chamberlain has been named chairman and CEO of PV Powered. Story at Solarbuzz:  
<<http://www.solarbuzz.com/news/newsNACO363.htm>>  
PV Powered: <<http://www.pvpowered.com/>>

**Thompson Technology Industries Products 10-7-05**

Thompson Technology Industries, Inc. – formed by Sun Power & Geothermal Energy Company, Inc. to design, manufacture and sell innovative and premier solar PV projects – has begun offering a line of solar products. TTI's initial products include roof, flush and pole mount rack systems, the SunSeeker™ tracking system, and SunSpot™ – internet based data acquisition, real-time reporting, and string-level monitoring. Story at Solarbuzz:  
<<http://www.solarbuzz.com/news/NewsNAPT129.htm>>  
TTI: <<http://www.thompsonotec.com/>>  
Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

**UniRac Product Debut 10-7-05**

For the debut of an improved SunFrame® from UniRac, see the announcement at:  
<<http://64.42.148.105/>>  
<[http://64.42.148.105/sunframe/sf\\_comp.htm](http://64.42.148.105/sunframe/sf_comp.htm)>

### **Xantrex in Europe 10-7-05**

Xantrex Technology Inc. has expanded its line of solar grid tie inverters for the European residential and commercial market with the launch of the Xantrex GT 3.8 and GT 2.5 Solar Grid Tie Inverters in Germany and the GT 3.8 Grid Tie Inverter in Spain. Story at:

<<http://www.newswire.ca/en/releases/archive/October2005/06/c8750.html>>

Xantrex: <<http://www.xantrex.com/>>

### **Magnetek Inverter 10-7-05**

Magnetek, Inc. introduced the first of a new line of Aurora™ PV inverters at Solar Power 2005. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT128.htm>>

Magnetek: <<http://www.alternative-energies.com/>>

### **Evergreen Solar Standard 10-6-05**

Evergreen Solar, Inc. announced that all of the company's modules are now being tested to a more stringent international standard. Under the new standard, Evergreen modules are being tested to produce a minimum of 98% or more of their rated power output. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={631DF565-CA5A-470F-9C82-5D597D749E29}&siteid=mktw&dist=nbk&sybm=>>

Evergreen Solar: <<http://www.evergreensolar.com/>>

### **BP Order 10-6-05**

RF Industries said it has placed an order for 1.8 MW of solar power with BP Solar, Australia. RFI, a BP distributor, placed orders for more than A\$10M worth of Australian manufactured solar modules representing the positive commitment both companies have to BP Solar's local manufacturing facility and to the continuing growth of the Australian renewable energy industry. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASCO41.htm>>

RF Industries: <<http://www.rfi.com.au/>>

BP Solar: <<http://www.bp.com.au/solar/>>

### **New Jersey Board and BP Solar (9/13/05) 10-5-05**

The New Jersey Board of Public Utilities teamed with BP Solar to announce the launch of a new program that will enable customers to obtain complete installed solar home power systems at more than 65 Home Depot stores located throughout New Jersey. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR546.htm>>

BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

### **Swiss Sustainable Systems Listing (9-14-05) 10-5-05**

3S Swiss Sustainable Systems AG changed its name to 3S Swiss Solar Systems AG, with stock exchange listing as of 19 September. The company is underlining its focus on the future-oriented market for solar technology. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUCO205.htm>>

3S Swiss Solar Systems AG: <<http://www.3-s.ch/>>

### **Solar Cell Packaging Material 10-5-05**

DuPont Fluoroproducts announced plans to significantly expand its capacity to produce DuPont™ Tedlar® polyvinyl fluoride (PVF) film by 2007 in order to meet strong and growing demand in PV, aerospace, construction, graphics and other market segments. DuPont Fluoroproducts expects market growth to exceed 30% each of the next few years, due to a surge in PV module production and installations around the globe. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAMA57.htm>>

DuPont: <[http://www2.dupont.com/DuPont\\_Home/en\\_US/index.html](http://www2.dupont.com/DuPont_Home/en_US/index.html)>

### **SunPower Inverters 10-5-05**

SunPower Corp. is introducing 2 new inverters at Solar Power 2005, one rated at 4,600 watts (208V), and one rated at 5,200 watts (240V). Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={79E525DB-23DE-4728-AD74-C02E98BB495B}&siteid=mktw&dist=nbk&sybm=>>

SunPower: <<http://www.sunpowercorp.com/html/>>

### **Solectria Inverter Line 10-5-05**

Solectria Renewables has added a 90 kW inverter, the PVI90kW, to its product line. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT127.htm>>  
Solectria Renewables: <<http://www.solren.com/products/pwreleccomp.html>>

### **Xantrex Inverters 10-5-05**

Xantrex Technology Inc. is introducing 3 new grid tie inverters at Solar Power 2005, launching the Xantrex GT 2.5, GT 3.3, and GT 3.3 (208 volt) Solar Grid Tie Inverters. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=ak1WxQIMzif5?id=37549>>

Xantrex press: <<http://www.xantrex.com/web/did/1136/readnews.asp>>

### **Q-Cells Plans 10-5-05**

Q-Cells AG raised 242 million euros selling shares. According to the article, investor interest in renewable energy sources such as solar is increasing as European electricity prices rise and as governments support the use of alternative generation. More on Q-Cells' plans through Solarbuzz at: <<http://www.bloomberg.com/apps/news?pid=10001099&sid=azv0M6n6t4L4&refer=energy>>

Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>

Other press:

<[http://www.expatica.com/source/site\\_article.asp?subchannel\\_id=52&story\\_id=24245&name=Price+of+solar+group+surges+at+stock+market+debut](http://www.expatica.com/source/site_article.asp?subchannel_id=52&story_id=24245&name=Price+of+solar+group+surges+at+stock+market+debut)>

### **Spire Contract with Unison (9/21/05) 10-4-05**

Spire Corporation announced that it has executed a contract with Unison Co., Ltd of Chonan-City of Korea to provide an advanced PV module production line. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BC5A94600%2DD6B0%2D4C2F%2DA99C%2D1AA390D89102%7D>>

Spire: <<http://www.spirecorp.com/>>

### **Barnabus Energy and Solar Roofing (9/21/05) 10-4-05**

Barnabus Energy, Inc. announced that management has signed a formal agreement with Solar Roofing Systems to acquire 20% of the outstanding shares of SRS, with an option to purchase an additional 31%. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B9E19A82F%2DBAF2%2D44F7%2DAB2E%2DE7327035C65D%7D>>

### **Applied Films New System (9/21/05) 10-4-05**

Applied Films Corporation announced the first sale of its newly developed SMARTWEB™ sputtering system for roll-to-roll application. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B7E48FB25%2DA3B4%2D4EB8%2D96CD%2D2A7B04CE9DAB%7D>>

Applied Films: <<http://www.appliedfilms.com/>>

### **United Solar MOU (9/19/05) 10-4-05**

Energy Conversion Devices, Inc. announced that United Solar Ovonic has entered into an MOU with Tianjin Jinneng Investment Company to form a joint venture to establish a 25-MW thin-film triple-junction amorphous silicon PV module manufacturing operation in Tianjin, the People's Republic of China. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B0CFABADA%2DA0F9%2D4A17%2DBBD8%2D9CD654F978C9%7D>>

Uni-Solar: <<http://www.uni-solar.com/>>

### **Schott Acquisition of RWE Schott Solar Shares (9/20/05) 10-4-05**

Schott AG has agreed to acquire the 50% share that RWE Solutions AG holds in the solar company. The move means that Schott will become the sole shareholder in the joint venture, first formed in 2002. The company will conduct business under its new name Schott Solar GmbH (Schott Solar, Inc., in America) and its main office will remain in Alzenau, Germany. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36788>> and Clean Edge:  
<<http://www.cleandedge.com/story.php?nID=3763>>  
RWE Schott Solar: <<http://www.rweschottsolar.us/>>

#### **ARISE and Day4 Energy Letter of Intent 10-4-05**

ARISE Technologies Corporation and Day4 Energy Incorporated have signed a Letter of Intent for the purchase 5 MW of ARISE PV cells targeted for production in 2007 to be used in Day4's new series of PV modules. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO356.htm>>  
ARISE Technologies: <<http://www.arisetech.com/>>  
Day4 Energy: <<http://www.day4energy.com/>>

#### **Amtech Systems Orders 10-4-05**

Amtech Systems, Inc. announced two new orders totaling \$1.2 million for its Tempress brand diffusion furnaces. The orders are from a customer that produces solar cells in China and a German research institute. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAMA56.htm>>  
Amtech Systems, Inc.: <<http://www.amtechsystems.com/>>

#### **UQM Technologies Inverter 10-4-05**

UQM Technologies, Inc., announced that it has received a \$600,000 Phase II contract from the U.S. DOE to develop a 5-kW modular inverter under the Small Business Innovation Research Program.

Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7529761&ResultCategoryType=2,7&NewsPageID=3>>

UQM Technologies: <<http://www.uqm.com/>>

<<http://www.uqm.com/press/news/06-17.html>>

#### **ErSol Stock (9/30/05) 10-4-05**

For coverage of ErSol's IPO, see the story through Solarbuzz at:

<[http://news.yahoo.com/news?tmpl=story&u=/afp/20050930/bs\\_afp/germanyenergyalternativesolarcompanystockipoersol\\_050930121819](http://news.yahoo.com/news?tmpl=story&u=/afp/20050930/bs_afp/germanyenergyalternativesolarcompanystockipoersol_050930121819)>

#### **UniRac Inc. Expansion (9/30/05) 10-4-05**

UniRac Inc. has signed a lease to move into about 60,000 square feet of manufacturing space. The move more than doubles the company's floor space. The facility could employ 80 people in the next 3 years. Story at:

<[http://www.bizjournals.com/albuquerque/stories/2005/10/03/story2.html?from\\_rss=1](http://www.bizjournals.com/albuquerque/stories/2005/10/03/story2.html?from_rss=1)>

UniRac: <<http://www.unirac.com/>>

#### **Prism Solar Technologies New Board Member (9/30/05) 10-4-05**

Prism Solar Technologies, Inc. has announced that Dr. Walter L. Robb has joined PST's Board of Directors. Press at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=abSXvQ-b4rs6?id=37267>>

#### **SunPower Regional Manager (9/30/05) 10-4-05**

SunPower Corp. announced the appointment of Peter McKenzie as regional manager for the Asia-Pacific region. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BFBD8B94B%2DF808%2D42A7%2DAD0B%2D18111C9D63BF%7D>>

SunPower: <<http://www.sunpowercorp.com/html/>>

#### **Spire Corporation Sales Manager (9/30/05) 10-4-05**

Spire Corporation announced that it has expanded its PV module assembly equipment sales force with the addition of Edward Hurley as Photovoltaic Equipment Sales Manager. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BAE4C9A39%2D1F6E%2D4D10%2D98D8%2D6476FD29709B%7D>>

Spire Corporation: <<http://www.spirecorp.com/>>



**NREL, Xcel PV Development Agreement (9/29/05) 10-4-05**

NREL and Xcel Energy announced an agreement to develop software to evaluate siting options for off-grid and grid-connected, commercial rooftop solar electricity systems in Colorado. For press on this agreement, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BF6AFE73A%2D9C36%2D4CDA%2D8F5E%2D4BB36CC29034%7D>>

NREL Press: <[http://www.nrel.gov/news/press/2005/xcel\\_agreement.html](http://www.nrel.gov/news/press/2005/xcel_agreement.html)>

Xcel Energy: <<http://www.xcelenergy.com/XLWEB/CDA/>>

**PV Powered Inverters (9/29/05) 10-4-05**

PV Powered LLC released their latest offering in the grid-tie solar market – the StarInverter PVP5200 (240 volt) and the StarInverter PVP4600 (208 volt). Information at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAPT125.htm>>

PV Powered: <<http://www.pvpowered.com/>>

**VRB Energy Storage System (9/29/05) 10-4-05**

VRB Power Systems has sold a 10 kWh VRB Energy Storage System to SOLON AG. Per this press, SOLON will be experimenting with the storage system for use in conjunction with its “mover” system, a multi-axis solar tracking system, and will also use this system as a means of evaluating and validating the VRB technology for use with its utility-scale solar arrays. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsEUPT39.htm>>

VRB Power Systems: <<http://www.vrbpower.com/>>

SOLON AG: <<http://www.solonag.de/>>

More on VRB applications:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B7ECF634D%2D20AD%2D4171%2DB093%2D9BE8BEF7B9FD%7D>>

**Renewables Programs, Projects**

**PV in China [Kit Temple] 10-31-05**

Experts from the Development and Reform Committee of Jiangsu have laid out initial plans for the promotion of PV in Jiangsu province. Press at: <<http://www.enf.cn/news/051027/1.html>>

**North Carolina's Net Metering 10-26-05**

North Carolina has joined 30 other states in approving net metering. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a2fkZxmI47xq?id=38428>>

NC Green Power: <<http://www.ncgreenpower.org/>>

**Moffett Field Solar, California 10-25-05**

NASA officials said they were disappointed that their vision to wrap Moffett Field's historic Hangar One with a solar-paneled skin that would generate power for thousands of homes seems doomed. Story at:

<<http://www.mercurynews.com/mld/mercurynews/news/local/states/california/peninsula/12990619.htm>>

**Million Solar Roofs Initiative, California 10-24-05**

For Governor Schwarzenegger's statement promoting the Million Solar Roofs Initiative, see:

<[http://www.governor.ca.gov/state/govsite/gov\\_htmldisplay.jsp?BV\\_SessionID=@@@@1286482269.1130086574@@@&BV\\_EngineID=ccccaddfmljjmcfngcfkmdffidfnf.0&sCatTitle=Press+Release&sFilePath=/govsite/press\\_release/2005\\_10/20051021\\_GAAS50205\\_Radio\\_Solar\\_Roofs.html&sTitle=Governor+Schwarzenegger+Promotes+Million+Solar+Roofs+Initiative+in+Weekly+Radio+Address&iOID=72423](http://www.governor.ca.gov/state/govsite/gov_htmldisplay.jsp?BV_SessionID=@@@@1286482269.1130086574@@@&BV_EngineID=ccccaddfmljjmcfngcfkmdffidfnf.0&sCatTitle=Press+Release&sFilePath=/govsite/press_release/2005_10/20051021_GAAS50205_Radio_Solar_Roofs.html&sTitle=Governor+Schwarzenegger+Promotes+Million+Solar+Roofs+Initiative+in+Weekly+Radio+Address&iOID=72423)>

Last Week's RenewableEnergyAccess Story:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=arD3IZI\\_2tC6?id=38195](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=arD3IZI_2tC6?id=38195)>

### **Connecticut Clean Energy Fund Program 10-21-05**

The Connecticut Clean Energy Fund announced a new program – the On-site Renewable Distributed Generation program – that makes almost \$21 million available to reduce the cost of installing renewable energy power generating equipment at commercial, industrial, and institutional facilities. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38199>>

Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

### **Million Solar Roofs in California 10-21-05**

Supporters of the Million Solar Roofs Initiative are looking toward the California Public Utilities Commission as the next and most promising avenue for passing the program. This week, Governor Schwarzenegger called for the advancement of the program and specifically cited the CPUC as the way to do so. Story at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aq\\_tVE-yynwg?id=38195](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aq_tVE-yynwg?id=38195)>

Related Story: <<http://www.re-access.com/rea/news/story?id=37897>>

### **Renewables in Michigan 10-20-05**

The Michigan Public Service Commission approved seven new power purchase agreements and one renegotiated agreement for Consumers Energy's renewable energy projects in Michigan. Said J. Peter Lark, MPSC chairman, "Customers of Consumers Energy now have more opportunity than ever before to choose electricity generated by renewable resources, resulting in a cleaner environment and less reliance on fossil fuels." Story RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38156>>

Consumers Energy: <<http://www.consumersenergy.com/welcome.htm>>

### **Solar in China 10-19-05**

A proposal for China's national economy and social development over the next 5 years released by the Central Committee of the Chinese Communist Party calls for stepping up development of nuclear, wind and solar energies. Press at RedNova:

<[http://www.rednova.com/news/science/276242/chinese\\_fiveyear\\_plan\\_prioritizes\\_nuclear\\_wind\\_solar\\_energies/index.html?source=r\\_science](http://www.rednova.com/news/science/276242/chinese_fiveyear_plan_prioritizes_nuclear_wind_solar_energies/index.html?source=r_science)>

### **Students' Solar Effort in Arizona 10-18-05**

Associated Students of the University of Arizona passed out fliers and collected donations during festivities for Project Solar. See the press at: <[http://wildcat.arizona.edu/papers/98/201/01\\_8.html](http://wildcat.arizona.edu/papers/98/201/01_8.html)>

Project Solar website: <<http://www.uaprojectsolar.com/>>

Additional press: <[http://wildcat.arizona.edu/papers/98/201/03\\_3.html](http://wildcat.arizona.edu/papers/98/201/03_3.html)>

### **Renewable Energy Certificates 10-12-05**

For examples of REC activities ....

INSEQ Corporation announced it plans to sell renewable energy certificates and other green energy products through GREX™, a new INSEQ commodities trading platform. INSEQ, Sterling Planet, TerraPass, and Mean Green are all portfolio companies of GreenShift Corporation. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bEEA7B698-F3E5-4010-A4D2-A875BA40D5C3%7d&siteid=mktw&dist=nbk&symb=>>

INSEQ: <<http://www.inseq.com/>>

GreenShift Corp:

<<http://www.marketwatch.com/tools/quotes/quotes.asp?symb=GSHF&siteid=mktw>>

REC brokerage company Evolution Markets will conduct an auction of renewable energy certificates on behalf on the Massachusetts Technology Collaborative on October 19. Story at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=apFTchfAk2N\\_?id=37810](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=apFTchfAk2N_?id=37810)>

MTC: <<http://www.mtpc.org/>>

Evolution Markets: <<http://www.evomarkets.com/>>

### **World's First Greenhouse-Gas-Neutral Polymer 10-10-05**

NatureWorks LLC announced that it will achieve a greenhouse-gas-neutral position for NatureWorks® PLA, making it the first, commercially available greenhouse-gas-neutral polymer in the industry. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B458E0921%2DAD8B%2D4888%2D8C3C%2DAD5AD12CCDF%7D>>  
NatureWorks® LLC: <[http://www.natureworksllc.com/corporate/nw\\_pack\\_home.asp](http://www.natureworksllc.com/corporate/nw_pack_home.asp)>

### ***Clean Energy Solutions 10-7-05***

The World Bank has started work on an investment framework to support clean energy and sustainable development options. More at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=54687136&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=54687136&accnum=1&topics=>)  
See other ReFocus news briefs at: <<http://www.sparksdata.co.uk/refocus/newsdesk.asp?accnum=1>>

### ***Solar Townships in Malaysia 10-6-05***

Suria 1000, a new programme in Malaysia, will offer BIPV systems at discounted prices to make the technology accessible and affordable for the public. It is part of a 5-year RM100mil Malaysia Building Integrated Photovoltaic project to develop the local solar energy market. For more on the story, see: <<http://www.peopleandplanet.net/doc.php?id=2550>>

### ***European Renewables 10-5-05***

A report from EUFORES, the European Forum for Renewable Energy Sources, which called for a 20% mandatory target for renewable energy by 2020, was recently adopted by the European Parliament. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37373>>

### ***New Jersey Clean Power 10-5-05***

The New Jersey Board of Public Utilities officially announced the launch of the New Jersey Clean Power Choice Program – a voluntary program that will give retail customers the option of selecting clean energy through a sign-up option on their utility bills. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37501>>  
Clean Power Choice Program: <<http://www.bpu.state.nj.us/cleanEnergy/GreenPowerChoice.shtml>>

### ***Net Metering in Colorado (9/21/05) 10-4-05***

A wide cross-section of interests in Colorado has filed with the state's public utilities commission for the adoption of new net-metering rules. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36855>>  
Interstate Renewable Energy Council: <<http://www.irecusa.org/>>

### ***Clean Energy Policy for Cal State (9/22/05) 10-4-05***

The California State University Board of Trustees voted unanimously in favor of a clean energy policy that includes provisions for all new buildings to be LEED certified and for renewable energy components such as a mandate for 10 MW of solar and other renewable power on campuses by 2014. Coverage at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36910>>

### ***APS Solar Energy Funds (9/22/05) 10-4-05***

An additional \$2 million is now available for APS customers who want to install residential or commercial solar energy projects. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B0557D23E%2D33AF%2D4731%2D8B4C%2DA8620C80EC5C%7D>>  
APS: <[http://www.aps.com/general\\_info/newsrelease/newsreleases/NewsRelease\\_296.html](http://www.aps.com/general_info/newsrelease/newsreleases/NewsRelease_296.html)>

### ***California Renewable Energy Mandates (9/29/05) 10-4-05***

The California Public Utilities Commission released a draft plan dictating that many of the renewable energy standards that have been applied to investor-owned utilities will also soon apply to non-IOWs. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37180>>  
California Public Utilities Commission: <<http://www.cpuc.ca.gov/>>

## Meetings, Gatherings, Conferences

### **House Science Solar Hearing 10-31-05**

According to Energy & Environment Daily [subscription], student and faculty participants in DOE's recent Solar Decathlon will join a DOE representative at a House Science Committee hearing aimed at examining solar technology innovations, 2 November at 2pm.

House Committee on Science: <<http://www.house.gov/science/committeeinfo/schedule.htm>>  
E&E Daily [subscription]: <<http://www.eenews.net/>>

### **Nanotechnology Forum 10-31-05**

ENER1 nanotechnology subsidiary NanoEner Inc. announced that its CEO, Gary McDaniel, will participate in a panel discussion regarding the latest advances in solar power technology at NanoCommerce/SEMI NanoForum 2005. Press at:

<<http://www.marketwatch.com/tools/quotes/archivedArticle.asp?archive=thirdtrue&dist=ArchiveSplash&siteid=mktw&guid=%7BE72C8377%2DCF92%2D423B%2DBA51%2DFC5B8022EC14%7D&returnURL=%2Ftools%2Fquotes%2FnewsArticle%2Easp%3Fguid%3D%7BE72C8377%2DCF92%2D423B%2DBA51%2DFC5B8022EC14%7D%26siteid%3Dmktw%26archive%3Dthirdtrue>>

### **DayStar at Investors Forum 10-26-05**

Dr. John Tuttle, Chairman and CEO of DayStar Technologies will be a featured speaker at the Investor's Circle 2005 National Conference & Venture Fair in Boston, Massachusetts 3 November.

Information at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bD3E71BF9-6635-41E4-9C69-40CB6455F13D%7d&siteid=mktw&dist=nbk&syml=>>>

Investor's Circle: <<http://www.investorscircle.net/index.php>>

DayStar Technologies: <<http://www.daystartech.com/>>

### **Connecticut Solar Meeting [Moneer Azzam] 10-24-05**

SolarCT announced a 2-part meeting set for 3 November at the West Haven Public Library for stakeholders in the Connecticut solar market. Per the announcement, participation in the meeting will play a vital role in both shaping regulatory efforts within the state as well as a coordinated strategy for funding outreach efforts and tackling critical market barriers. For more details contact [sfrost@solarone.net](mailto:sfrost@solarone.net).

### **ACORE's Call for Renewable Energy Policy 10-24-05**

With over 350 professionals in attendance, the U.S. Secretaries of Agriculture and the Interior spoke in support of new policy for renewable energy at the "Renewable Energy in America - Policies of Phase II" forum 17-18 October in Washington, D.C. See the story at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=ap0SJKBc5zr5?i\\_d=38227](http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=ap0SJKBc5zr5?i_d=38227)>

ACORE: <<http://www.acore.org/>>

### **Industry Growth Forum 10-21-05**

The 18<sup>th</sup> NREL Industry Growth Forum – Financing the Path to a Clean Energy Future, is set for 7-9 November 2005 in San Francisco, California. For information, visit:

<<http://www.cleanenergyforum.com/>>

### **R&D 100 Awards 10-21-05**

R&D Magazine's R&D 100 awards given this year for the most outstanding technology developments with commercial potential include a joint award to NREL- Sinton Consulting Inc. for a method of detecting impurities and defects in silicon boules. Winners were recognized at a black tie ceremony in Chicago 20 October. Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=19022&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=19022&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

<[http://www.nrel.gov/news/press/2005/2305\\_nrel\\_takes\\_two.html](http://www.nrel.gov/news/press/2005/2305_nrel_takes_two.html)>

Sinton Consulting: <<http://www.sintonconsulting.com/rand100.htm>>

R&D Magazine:

<<http://www.rdmag.com/ShowPR.aspx?PUBCODE=014&ACCT=1400000100&ISSUE=0509&RELTYPE=CVS&PRODCODE=00000000&PRODLETT=AM>>

### **Renewable Energy Policy 10-19-05**

For coverage of the American Council On Renewable Energy's Phase II Policy Conference in Washington, D.C. see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38113>>

ACORE: <<http://www.acore.org/>>

### **Energy Policy and Regulation 10-19-05**

For information on the event "Energy Policy and Regulation – Implications for Strategy, Finance, and Investment", 1-2 November 2005 in Washington, D.C., see the website at:

<<http://www.infocastinc.com/policy.html>>

### **FSEC's 30<sup>th</sup> 10-19-05**

The Florida Solar Energy Center is celebrating its 30<sup>th</sup> anniversary. News at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=38069>>

FSEC: <<http://www.fsec.ucf.edu/>>

FSEC 30<sup>th</sup> Anniversary Open House:

<[http://dbase.fsec.ucf.edu/pls/operation/press\\_display?pressid=2187](http://dbase.fsec.ucf.edu/pls/operation/press_display?pressid=2187)>

### **DayStar at Investment Conference 10-18-05**

Dr. John R. Tuttle, Chairman and CEO of DayStar Technologies, Inc., will be presenting at the Second Annual Ardour Capital Investments Energy Technology Conference in New York City on 20 October.

Press at: <<http://biz.yahoo.com/prnews/051018/sftu031.html?.v=27>>

Ardour: <<http://www.ardourcapital.com/>>

DayStar Technologies: <<http://www.daystartech.com/>>

### **Renewable Energy in America 10-17-05**

For information on "Renewable Energy in America – Phase II Policies", 17-18 October, see ACORE's website at: <<http://www.acore.org/>>

Agenda: <<http://guest.cvent.com/EVENTS/Info/Agenda.aspx?e=d365be0f-9a82-44a4-96d1-552cc5872575>>

### **PV/Solar Workshops 10-14-05**

SunPower Corp. announced it will be hosting a free public workshop on solar electricity for commercial and residential sites on 15 October in San Jose, California featuring speakers from Horizon Energy Systems, OnGrid Solar Energy Systems, REGrid Power Inc., and SunPower Corp. discussing design, performance, and ROI of solar-electric systems. Press at:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={3972F600-64BB-4E7F-993A-C4D8584B1947}&siteid=mktw&dist=nbk&symp="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={3972F600-64BB-4E7F-993A-C4D8584B1947}&siteid=mktw&dist=nbk&symp=)>

SunPower: <<http://www.sunpowercorp.com/html/>>

More on workshops at IREC: <<http://www.pierminigrid.showdata.org/wkshop.cfm>>

SEI: <<http://www.solarenergy.org/workshops/>>

RenewableEnergyAccess, e.g.:

<<http://www.renewableenergyaccess.com/rea/events/view?id=37858>>

California Solar Center: <<http://www.californiasolarcenter.org/index.html>>

Connecticut Clean Energy Fund:

<<http://www.ctcleanenergy.com/renewable/StatewideSolarWorkshops.html>>

Greenpower, Montana: <<http://www.montanagreenpower.com/solar/projects/sagemountain.html>>

and other solar websites.

### **PV Workshops [Solar e-Clips] 10-13-05**

For information on upcoming PV workshops, see:

<<http://www.solarenergy.org/workshops/location.php?id=55>>

<<http://pierminigrid.showdata.org/wkshop.cfm>>

California Solar Center: <<http://www.californiasolarcenter.org/index.html>>

Solar e-Clips: <<http://www.californiasolarcenter.org/solareclips/solareclips.html>>

### **HelioVolt at Forum 10-12-05**

HelioVolt CEO BJ Stanbery is to appear at the NanoCommerce/SEMI Nanoforum in Chicago November 2, 2005, joining a panel on commercialization of nanotechnology for solar energy production. Press at: <<http://www.heliovolta.com/news.php>>

See more on the forum at: <<http://nanocommerceforum.com/agenda/energybios/energybios>>

### **Global Conference on Renewable Energy in Desert Regions [M. Taani] 10-12-05**

The Renewable Energy Bureau, Jordan University is planning "The Global Conference on Renewable Energy Approaches in Desert Regions", 11-14 September 2006. More information at:

<<http://fetweb.ju.edu.jo/GCREADER/>>

### **DuPont PV Solutions 10-12-05**

DuPont will present its portfolio of integrated materials and technologies for the PV industry at the 15<sup>th</sup> International Photovoltaic Science and Engineering Conference in Shanghai. Press at:

<[http://www.dupont.com/photovoltaics/pdf/press\\_rel\\_10042005.pdf](http://www.dupont.com/photovoltaics/pdf/press_rel_10042005.pdf)>

### **PV Science & Engineering Conference 10-12-05**

For Information on PVSEC-15, the 15<sup>th</sup> International Photovoltaic Science and Engineering Conference, 10-15 October, Shanghai, China, including a copy of the agenda and workshops, see:

<[http://pvsec15.sjtu.edu.cn/en\\_welcome/whatsnew.php](http://pvsec15.sjtu.edu.cn/en_welcome/whatsnew.php)>

### **Renewable Energy Policy Forum 10-11-05**

In addition to Under Secretary of Energy, David Garman, the Secretaries of Agriculture and Interior will speak at the national policy forum, "Renewable Energy In America: Policies in Phase II", 17-18 October in Washington, DC. For coverage and information on the forum, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a4DnnMqLGWlf?id=37757>>

ACORE Press at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a4DnnMqLGWlf?id=37736>>

Re Insider:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a4DnnMqLGWlf?id=37752>>

ACORE: <<http://www.acore.org/>>

### **Solar Power 2005 10-11-05**

See RenewableEnergyAccess for coverage of Solar Power 2005 at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a4DnnMqLGWlf?id=37759>>.

Per the recent story, an eclectic mix of industry positioning, energy information, business opportunities and legislative insight met a nearly standing-room only crowd attending the plenary last Friday morning.

### **Prism Solar Technologies at Industry Growth Forum [Rick Lewandowski] 10-10-05**

Prism Solar has secured seed financing and has begun working on second-generation prototypes of its technology. The company is currently raising additional financing and evaluating potential manufacturing sties. Prism has been selected to present at the 18<sup>th</sup> NREL Industry Growth Forum in San Francisco, November 7-9, 2005. Press release from Prism Solar Technologies, Inc., at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/market/business/viewstory?id=37702>>

18<sup>th</sup> NREL Industry Growth Forum: <<http://www.cleanenergyforum.com/>>

Direct Global Power: <<http://www.directglobalpower.com/>>

### **Solar Power 2005 10-6-05**

For ongoing activities at Solar Power 2005, 5-9 October in Washington, D.C. including schedules of prominent speakers, exhibits, and special events, see the website at:

<<http://www.solarpowerconference.com/category.php/17.html>>

Exhibits: <<http://www.solarpowerconference.com/category.php/11.html>>



**PV Business Tour Spain 2005 10-5-05**

For more information about "PV Business Tour Spain 2005", 13-18 November 2005, see SolarPlaza at: <<http://www.solarplaza.com/content/pagina/pv%20business%20tour%209spain/43307>>

**Solar Power 2005 10-4-05**

Solar Power 2005 is being held in Washington, DC 5-9 October 2005 at the Hyatt Regency Capitol Hill. Information at: <<http://www.solarpowerconference.com/>>

**Speakers at ACORE Forum (9/30/05) 10-04-05**

The American Council On Renewable Energy (ACORE) announced the names of speakers participating at the "Renewable Energy in America: Policies for Phase II " forum in Washington, DC October 17-18, 2005. For more information see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=abSXvQ-b4rs6?id=37264>>

**U.S. Congress In Action**

**Solar Tax Credits 10-10-05**

According to Environment & Energy Daily [subscription], Senator Lamar Alexander last week said he will introduce legislation next year to extend tax credits provided for the solar industry in the recently passed energy bill.

Environment & Energy Daily: <<http://www.eenews.net/EEDaily.php>>

**Reports, Publications, Statements**

**"Chasing the Sun" 10-31-05**

For coverage of "Chasing the Sun" Solar Adventures Around the World" by Neville Williams, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=38636>>

Chasing the Sun: <<http://www.newsociety.com/bookid/3899>>

**Renewables and PV Reports [Amy Cole] 10-31-05**

Research and Markets has announced the addition of "Earth, Water, Fire & Air: Utility Strategies for Renewable Energy" to their list of offerings. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB5C1738F-EE96-4B54-BF69-2F37C919D85D%7d&siteid=mktw&dist=nbk&symb=>>>

Report: <<http://www.researchandmarkets.com/reports/c26436/>>

Also released is "Year 2010: Photovoltaic Industry and European Union", an analysis of the PV industry and its impact on the European Union. Information at:

<<http://www.researchandmarkets.com/reports/c26384/>>

**Interstate Renewable Energy Council E-Newsletter [Jane Pulaski] 10-31-05**

For the latest news from IREC's e-newsletter, including schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification, and other topics, see:

<<http://www.irecusa.org/commout/enewsletter.html>>

For example, the newsletter references three new fact sheets from Million Solar Roofs, one of which describes Marin County's solar potential map derived from GIS analysis:

<<http://www.nrel.gov/docs/fy05osti/38586.pdf>>

Million Solar Roofs:

<[http://www.millionsolarroofs.org/articles/static/1/1127836083\\_1023713887.html?PHPSESSID=164f9ba534b4fe2cdb5f1444308e57c8](http://www.millionsolarroofs.org/articles/static/1/1127836083_1023713887.html?PHPSESSID=164f9ba534b4fe2cdb5f1444308e57c8)>

**ASES E-Newsletter [Carolyn Beach] 10-31-05**

For the latest copy of the e-Newsletter of the American Solar Energy Society – Sunbeam – see:

<[http://www.ases.org/chapter\\_newsletter/2005/SO05/SO05.html](http://www.ases.org/chapter_newsletter/2005/SO05/SO05.html)>

### **Spanish Solar Market 10-31-05**

For coverage of a new study by Europressedienst®, "The Spanish Photovoltaic Market 2005/06", for which extensive primary data among market participants were collected, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aB0lEi34xK98?id=38457>> <<http://europressedienst.com/home/>>

### **CIGS Research 10-31-05**

See RenewableEnergyAccess for the article "Stanbery Model Clarifies CIGS PV for Solar Technology". Per the article, the research explains much of the observed device physics and high performance characteristics of CIGS PV.

<<http://www.renewableenergyaccess.com/rea/news/story?id=38624>>

RedNova press:

<[http://www.rednova.com/news/science/289849/nanostructure\\_discovery\\_by\\_heliovolta\\_ceo\\_propels\\_solar\\_thinfilmm\\_commercialization\\_new/index.html?source=r\\_science](http://www.rednova.com/news/science/289849/nanostructure_discovery_by_heliovolta_ceo_propels_solar_thinfilmm_commercialization_new/index.html?source=r_science)>

HelioVolt: <<http://www.heliovolta.com/>>

### **Nanotechnology Advancements 10-26-05**

Information on the first in a 2-part report detailing the current advancements in nanotechnology, specifically as those innovations impact diverse sectors such as renewable energy and homeland defense, can be found at:

<<http://www.investorideas.com/Companies/Nanotechnology/Articles/Driving%5fForce%5fBehind.asp>>

NanotechnologyInvestment.com:

<<http://www.nanotechnologyinvestment.com/Companies/Nanotechnology/IndustryResearch.asp>>

### **Solar Homes 10-26-05**

For coverage of the Solar Decathlon in "Solar Homes Showcase Alternative Energy", at CNN, see:

<[http://www.cnn.com/2005/TECH/science/10/26/solar\\_cooking.reut/](http://www.cnn.com/2005/TECH/science/10/26/solar_cooking.reut/)>

In a related story, see "Energy tab: Zero" in the Denver Post at:

<[http://www.denverpost.com/business/ci\\_3140569](http://www.denverpost.com/business/ci_3140569)>

### **Solar Industry Report [Jesse Pichel] 10-26-06**

Jesse Pichel, Senior Research Analyst at Piper Jaffray, has made his solar industry report available. He is interested in comments and can be reached at 212-284-9301 or [Jesse.W.Pichel@pjc.com](mailto:Jesse.W.Pichel@pjc.com) Piper Jaffray: <<http://www.piperjaffray.com/>>

### **Governor Schwarzenegger on Solar Energy 10-25-05**

In last Saturday's weekly radio address, Gov. Schwarzenegger strongly promoted the use of solar energy and the implementation of California's Million Solar Roofs Initiative by the California Public Utilities Commission. Story and link to the address at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38377>>

### **Alternative Energy Research Product 10-24-05**

Pali Capital Inc. announced it has entered into a formal agreement with Research Focus, LLC to distribute the Alternative Energy Investing research product. The daily and monthly reports deliver information and analysis to public equity investors in the emerging wind, solar, fuel cell, energy storage, energy information, power electronics, clean fuels and advanced materials sectors. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b09D25546-C112-4C69-81ED-7C3F636CE002%7d&siteid=mktw&dist=nbk&symb=>>>

Alternative Energy Investing: <<http://www.alternativeenergyinvesting.net/>>

### **Solar Energy and Thermoelectric Conversion 10-24-05**

For information on Research and Markets "Materials for Energy Conversion Devices", see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1C762A19-F99A-459A-B306-9226C78BEC70%7d&siteid=mktw&dist=nbk&symb=>>>

Research and Markets: <<http://www.researchandmarkets.com/reports/c26352/>>

### **DayStar Highlighted 10-24-05**

DayStar is highlighted in the article "Local Firms Working to Advance Solar Tech", at:

<<http://timesunion.com/AspStories/story.asp?storyID=411800&category=BUSINESS&newsdate=10/23/2005>>

DayStar Technologies: <<http://www.daystartech.com/>>

### **Green Power Purchasing 10-24-05**

Renewable energy capacity in the U.S. supported by voluntary demand rather than regulatory requirements now tops 2200 MW – up more than 1000% in 5 years according to a new report from DOE released at the Tenth National Green Power Marketing Conference. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aEEa9fWi3htf?id=38351>>

Report: <<http://www.eere.energy.gov/greenpower/resources/pdfs/38994.pdf>>

10<sup>th</sup> National Green Power Marketing Conference:

<<http://www.eere.energy.gov/greenpower/conference/tenth.html>>

The Green Power Network: <<http://www.eere.energy.gov/greenpower/>>

### **Technology Review and Forecast of CSP 10-21-05**

For information on "Technology Review and Forecast of Concentrating Solar Power (CSP), an Advisory from IndustrialInfo.com, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={B2DCFD2B-BE49-4D72-A17F-9559CECCDCD5}&siteid=mktw&dist=nbk&symp=>>>

### **Declining Energy R&D Investments 10-20-05**

In a paper in Issues in Science and Technology, UC Berkeley's Dan Kammen and Greg Nemet show that both the federal government and private business investments in energy research and development have significantly declined since the 1980s. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38151>>

Issues in Science and Technology: <<http://www.issues.org/22.1/22.1preview.html>>

<<http://www.issues.org/>>

Berkeley Institute of the Environment: <<http://bie.berkeley.edu/>>

Renewable and Appropriate Energy Laboratory: <<http://socrates.berkeley.edu/~rael/>>

### **IREC Connecting to the Grid Newsletter [Rusty Haynes] 10-19-05**

The October 2005 IREC *Connecting to the Grid* newsletter is now available at

<<http://www.irecusa.org/connect/enewsletter.html>>. The newsletter covers state, national and international developments in interconnection standards and distributed generation, as well as related industry news, publications, people and events.

### **Sustainable Energy Coalition "Factoids" 10-18-05**

The Sustainable Energy Coalition is issuing a series of "factoids" documenting the potential of renewable energy and energy efficient technologies to displace fossil fuels and nuclear power. The first 5 factoids will include "Annual Installation of Rooftop Photovoltaics Could Power Hundreds of Thousands of Homes and businesses by 2010". Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=37908>>

Sustainable Energy Coalition: <<http://www.sustainableenergy.org/>>

### **Results of PV Med 10-18-05**

The results of PV Med, including the presentations, can be accessed at the Web site at:

<<http://www.pvmed.org/>>. Over 350 participants from more than 28 countries attended the 2-day conference.

EPIA: <<http://www.epia.org/>>

### **U.S. Green Power Markets 10-17-05**

For Estimates of New Renewable Energy Capacity Serving U.S. Green Power Markets, see The Green Power Network at: <[http://www.eere.energy.gov/greenpower/resources/tables/new\\_gp\\_cap.shtml](http://www.eere.energy.gov/greenpower/resources/tables/new_gp_cap.shtml)>

### **More on National Academies Report 10-14-05**

For information and links to "Rising Above The Gathering Storm: Energizing and Employing America for a Brighter Future", go to:

<<http://www4.nationalacademies.org/news.nsf/isbn/0309100399?OpenDocument>>

### **Interstate Renewable Energy Council and the DOE Million Solar Roofs Newsletter [Jane Pulaski] 10-14-05**

For the Latest IREC/MSR Newsletter including schools going solar, interconnection/net metering, incentives and rebates, community outreach, training/certification, workshops, calendar and other topics visit: <<http://www.irecusa.org/commout/enewsletter.html>>. David Hochschild, the co-founder and Director of Programs for the Vote Solar Initiative, and the founder of the San Francisco Million Solar Roofs partnership in 2000, received MSR's 2005 True Champion Award. Press at:

<[http://www.millionsolarroofs.org/articles/static/1/1129090524\\_1023713684.html?PHPSESSID=d6dd98f3cfab07e950708ec793b3f279](http://www.millionsolarroofs.org/articles/static/1/1129090524_1023713684.html?PHPSESSID=d6dd98f3cfab07e950708ec793b3f279)>

### **Solar Reaction to Union Stance, California 10-14-05**

For Jesse Broehl's article in RenewableEnergyAccess on "Solar Reaction Mixed to Union Stance", see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37897>>

### **Proposed New Research Agency 10-13-05**

According to Platts Inside Energy [subscription], a National Academy of Science report, "Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future" recommends that the Energy Department create an organization similar to the Defense Advanced Research Projects Agency called the Advanced Research Projects Agency-Energy. NAS press at:

<<http://webcast.nationalacademies.org/>>

Report: <<http://books.nap.edu/catalog/11463.html>>

<<http://www.nap.edu/books/0309100399/html>>

Platts: <<http://www.platts.com/Oil/Newsletters%20%20Reports/Inside%20Energy/>>

### **Standard & Poor's Report on Alternative Energy 10-13-05**

Per this press, a report by Standard and Poor's states that although tax incentives in the government's Energy Policy Act of 2005 provide a short-term boost to certain renewable energy projects over the next few years, they may be too small to encourage oil companies either to hike existing oil and gas production, or finance the long-term development and growth of other options. Among the renewable energy sources the analyst examines is solar power. The report will be posted 17 October. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b97112CE8-DF87-4526-855D-2E9014AEFFFE%7d&siteid=mktw&dist=nbk&syml=>>

S&P:

<<http://www2.standardandpoors.com/servlet/Satellite?pagename=sp/Page/HomePg&r=1&l=EN&b=10>>

### **Q-Cells Highlighted 10-13-05**

For the article, "Small is beautiful in German IPO boom", highlighting Q-Cells, see:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7558238&ResultCategoryType=2,7&NewsPageID=3>>

Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>

### **Solar Thermal Report 10-11-05**

The Middle East and North Africa are perfectly placed to play a leading role in the future of solar power per a report by Greenpeace, the European Solar Thermal Power Industry Association, and the International Energy Agency's SolarPACES programme. Story at:

<<http://www.scidev.net/news/index.cfm?fuseaction=readnews&itemid=2406&language=1>>

Greenpeace – report: <<http://www.greenpeace.org/international/press/reports/Concentrated-Solar-Thermal-Power>>

### **Solar Energy In China 10-11-05**

The solar energy industry is predicted to have broad prospects in China, which has issued the Renewable Energy Law and signed the Kyoto Protocol. Story at:

<<http://au.biz.yahoo.com/051010/17/av9h.html>>

**Italy's Feed-in Tariff [Marie Latour] 10-11-05**

For the article at PV Med, "Italy leads the development of solar electricity in Mediterranean", see the website at: <<http://www.pvmed.org/index.php?id=29>>

PV Med: <<http://www.pvmed.org/>>

**Solar Biz 10-11-05**

For the article, "Solar Power Biz Heats Up", in Wired News, see:

<[http://www.wired.com/news/business/0,1367,68840,00.html?tw=wn\\_tophead\\_3](http://www.wired.com/news/business/0,1367,68840,00.html?tw=wn_tophead_3)>

**U.S. CSP Outlook 10-10-05**

For information from Industrial Information Resources, Inc. on U.S. Concentrated Solar Energy Outlook 2006, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b182B83E2-0CE6-4479-B684-F3D67F92A536%7d&siteid=mktw&dist=nbk&symb=>>>

Industrial Information Resources: <<http://www.industrialinfo.com/>>

**Solar Optimism 10-10-05**

As reported in RenewableEnergyAccess, "At Solar Power 2005...there's an unmistakable buzz, a real sense of optimism, that a series of important factors have come together at the national level to propel this industry into a new and accelerated phase of growth". Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=37607>>

Solar Power 2005: <<http://www.solarpowerconference.com/>>

**Venture Capital in Solar 10-10-05**

For the article "Venture Capitalists Warm to Alternative Energy Investments", see:

<<http://www.stltoday.com/stltoday/business/stories.nsf/story/916B71616510E101862570940032563C?OpenDocument>>

**PV in Rural China [Kit Temple] 10-6-05**

For a report from ENF about PV in rural China, including where PV systems are being installed and who is involved in the installations, see ENF at: <<http://www.enf.cn/magazine/issue1/pv.html>>

**European IPOs [Kit Temple] 10-6-05**

See the following link for a report from ENF on European PV companies' IPOs, and the driving factors behind them.

<<http://www.enf.cn/magazine/issue1/ipos.html>>

**Photon International Contents 10-6-05**

For the table of contents of Photon International October 2005, with active links to several articles (in red) including Solarparc AG's new solar fund, see: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-10.htm](http://www.photon-magazine.com/photon/news_issue_2005-10.htm)

<[http://www.photon-magazine.com/photon/news\\_issue\\_2005-10.htm](http://www.photon-magazine.com/photon/news_issue_2005-10.htm)>

**FindSolar.com Launch 10-5-05**

Solar energy leaders announced that Findsolar.com, a web site designed to be an online resource linking consumers to solar professionals, is now available to the general public. Findsolar.com is a joint partnership among the American Solar Energy Society, Solar Electric Power Association, Energy Matters LLC, and the U.S. DOE. For more information, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=atiUJXDOVHd7?i d=37430>>

Find Solar: <<http://www.ebike.net/solar/>>

**EERE Network News [Kevin Eber] 10-5-05**

For the latest issue of EERE Network News, with articles on the Solar Decathlon, the World Solar Challenge, and other subjects, see: <<http://www.eere.energy.gov/news/>>

**Solar Thermal Report 10-4-05**

For information on Research & Markets Solar Thermal Power Edition 1 2005 report, see:

<<http://www.researchandmarkets.com/reports/c25090/>>

**Western Governors' Association Draft Solar Report [Glenn Hamer] 10-4-05**

For a copy of the draft solar task force report from the Western Governors' Association, available for comment until October 14, see:

<<http://www.westgov.org/wga/initiatives/cdeac/solar.htm>>

**EPIA Solaris 10-4-05**

For the latest issue of the European Photovoltaic Industry Association newsletter – Solaris – including information on PV MED, see: <[http://www.epia.org/09newsletter/newsletter\\_new.asp](http://www.epia.org/09newsletter/newsletter_new.asp)>

**Solicitations, RFPs, LOIs, etc. & Awards**

**Global Village Energy Partnership Fund [GVEP] 10-31-05**

A GVEP Action Programs Fund (GAPFund) has been set up through a contract of the ESMAP of the World Bank. The initial phase of the GAPFund will be for 18 months with a funding of \$1.35M. Winrock International will be the manager of the GAPFund. The Fund is meant to assist projects that contribute to the country actions initiated by GVEP in several countries. Information at:

<<http://www.gvep.org/content/general/detail/11409>>

**SDG&E Renewables Contracts 10-24-05**

San Diego Gas & Electric announced it has issued 2 requests for offers to increase its growing portfolio of energy derived from renewable resources including wind, solar and geothermal.

SDG&E: <<http://www.sdge.com/index.shtml>>

**Clean Energy Projects, Pennsylvania 10-17-05**

The Pennsylvania Energy Development Authority is seeking applications to help finance clean energy projects. Applicants can seek assistance in the form of grants, loans or loan guarantees for a variety of electric power projects including wind, solar, biomass, waste coal, coal gasification, and others. Information at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BC0769D36%2D7A67%2D45E5%2DBA35%2D46920E39F3DE%7D>>

PEDA: <<http://www.dep.state.pa.us/>>

**Office of Science Availability of Grants and Cooperative Agreements-Solar 10-10-05**

For information on the "Continuation of Solicitation for the Office of Science Financial Assistance Program" see: <<http://www.sc.doe.gov/grants/FAPN06-01.html>>. For example, under Basic Energy Sciences, see "develop new concepts and improve existing methods for solar energy conversion and other major energy research needs identified in the 2003 Basic Energy Sciences Advisory Committee workshop report", at: <<http://www.sc.doe.gov/grants/FAPN06-01.html>>

Office Of Science Grants and Contracts Web Site:

<<http://www.sc.doe.gov/grants/grants.html#Grant%20Solicitation%20Notices>>

**Hydrogen Solar Grant 10-7-05**

The BOC Foundation awarded Hydrogen Solar funds to develop and demonstrate a system to produce sustainable hydrogen from sunlight and water using the Hydrogen Solar Tandem Cell. Story at:

<<http://www.fuelcelltoday.com/FuelCellToday/IndustryInformation/IndustryInformationExternal/NewsDisplayArticle/0,1602,6610,00.html>>

Hydrogen Solar: <<http://www.hydrogensolar.com/>>

<<http://www.hydrogensolar.com/October5.html>>

BOC Foundation: <<http://www.boc.com/foundation/index.asp>>

**Pennsylvania Education Grants 10-6-05**

Pennsylvania Environmental Protection Agency Secretary Kathleen A. McGinty announced the opening of the 2006 Environmental Education Grants Program to help schools, universities, nonprofit organizations and county conservation districts develop projects to increase environmental literacy



among Pennsylvania's students. Topics include renewable energy sources such as solar, wind, biomass and geothermal. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={B2D9A6E8-6951-4114-9965-4FB16918B528}&siteid=mktw&dist=nbk&symp=>>

Pennsylvania Department of Environmental Protection: <<http://www.dep.state.pa.us/>>

#### **NASA Small Business Projects 10-5-05**

NASA has selected companies for negotiation of phase 2 contract awards in its 2004 Small Business Innovation Research program. The companies receiving contracts include United Applied Technologies for Thin Film Flat Panel Off Axis Solar Concentrator with Flux Distribution and ITN Energy Systems, Inc. for CuInGaAlSe<sub>2</sub> Solar Absorbers On Flexible High-Temperature Substrates. Stories at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={6B28C2DA-42B1-4476-A1BF-EEEE1E15264C}&siteid=mktw&dist=nbk&symp=>> and

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={9914D559-5DC8-4159-A91F-3B69290F80FB}&siteid=mktw&dist=nbk&symp=>>

NASA SBIR list: <<http://sbir.gsfc.nasa.gov/SBIR/sbir2004/phase2/awards/topic.html>>

#### **Solar Schools in San Francisco (9/30/05) 10-4-05**

The San Francisco Public Utilities Commission has issued a request for proposals from qualified design/builders to assist the SFPUC to design, install, and commission fully integrated and operational PV plants at three schools sites. For the story at Solarbuzz and link to the RFP, see:

<<http://www.solarbuzz.com/News/NewsNAPR558.htm>>

### **Competitions**

#### **More on the Solar Decathlon 10-21-05**

For articles on SunPower solar panels at the Decathlon, Xantrex-sponsored teams, OutBack Power equipped teams, and other Decathlon news see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=38169>>

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=38133>>

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=37913>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **Solar Decathlon 10-18-05**

See coverage of the Solar Decathlon in today's top story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=38061>>

For press on the use and performance of SunPower solar panels in the Solar Decathlon, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bc8911d4b-4433-433c-841c-ec66612dec3e%7d&siteid=mktw&dist=nbk&symp=>>. SunPower's solar panels were utilized by the

winning team, University of Colorado, as well as the team from Virginia Tech.

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

SunPower: <<http://www.sunpowercorp.com/html/Company/About/aboutus.html>>

#### **Solar Decathlon 10-17-05**

The U.S. Secretary of Energy announced that the University of Colorado took overall honors in the 2005 Solar Decathlon. Cornell University placed second, and California Polytechnic State University finished third. Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18961&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18961&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

Examples of Additional Press: <<http://www.builderonline.com/industry-news.asp?sectionID=26&articleID=203697>>

<<http://msnbc.msn.com/id/9727958/>>

<<http://www.earthtoys.com/news.php?section=view&id=983>>

<<http://www.cornellsun.com/vnews/display.v/ART/2005/10/17/43533f4f60e6d>>

### **Solar Decathlon 10-14-05**

See the Solar Decathlon website for the latest on the teams, scoring, and winners:  
<[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>. Examples of continuing press include:  
<<http://www.baltimoresun.com/news/health/balhs.solar14oct14,1,747429.story?track=rss&ctrack=1&cset=true>>

### **Solar Decathlon 10-12-05**

For continued coverage of the Solar Decathlon, see stories at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7557487&ResultCategoryType=2,7&NewsPageID=3>>  
<<http://www.neoshodailynews.com/articles/2005/10/12/news/news02.txt>>  
<[http://www.rednova.com/news/science/268530/students\\_solar\\_house\\_shines\\_in\\_washington\\_dc/index.html?source=r\\_science](http://www.rednova.com/news/science/268530/students_solar_house_shines_in_washington_dc/index.html?source=r_science)>  
Solar Decathlon updates: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **SEPA Awards [Julia Judd] 10-11-05**

The Solar Electric Power Association announced that Pacific Gas and Electric Company and We Energies are the winners of its annual Awards for Solar Business Achievement. PG&E received the award for Public Awareness and Industry Leadership. We Energies received SEPA's Award for Development of a Sustainable Solar Business Plan. Press at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=37744>>  
SEPA: <<http://www.solarelectricpower.org/>>  
PG&E: <<http://www.pge.com/>>  
We Energies: <<http://www.we-energies.com/>>

### **Applied Films Ranking 10-11-05**

Applied Films Corporation announced that it ranked first in the Fastest Growing Technology Companies in Deloitte's Colorado Technology Fast 50 Program. Rankings are based on the percentage of revenue growth over 5 years. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bA1F56E3A-A480-4A46-A387-99577A26694F%7d&siteid=mktw&dist=nbk&symb=>>>  
Applied Films: <<http://www.appliedfilms.com/>>  
Deloitte Fast 50: <[http://www.deloitte.com/dtt/section\\_node/0,1042,sid%253D56074,00.html](http://www.deloitte.com/dtt/section_node/0,1042,sid%253D56074,00.html)>

### **DayStar Award 10-11-05**

DayStar Technologies announced it is the recipient of The 2005 Albany Business Review's Achievement Award as the New York Capital Region's Most Promising New Enterprise. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bA20C7795-E46F-4013-96C1-636A42AF397D%7d&siteid=mktw&dist=nbk&symb=>>>  
DayStar Technologies: <<http://www.daystartech.com/>>

### **Konarka Co-Founder's Award 10-11-05**

Konarka Technologies, Inc. announced that the Company's co-founder and chief scientist, Dr. Alan Heeger, is a recipient of the 2005 POPULAR MECHANICS Breakthrough Award for his work with polymer PV. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a4DnnMqLGWlf?id=37755>>  
Konarka: <<http://www.konarka.com/>>

### **Solar Decathlon 10-11-05**

For examples of articles in the press on the Solar Decathlon, see:  
<<http://www.roanoke.com/news/breaking/wb/wb/xp-35711>>  
<<http://www.sanluisobispo.com/mld/sanluisobispo/12870302.htm>>  
<[http://seattletimes.nwsourc.com/html/nationworld/2002553084\\_solar11.html?syndication=rss](http://seattletimes.nwsourc.com/html/nationworld/2002553084_solar11.html?syndication=rss)>  
See Decathlon updates at the website: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>  
See also, an article on a solar house built by architecture students, Yale Bulletin & Calendar, at:  
<<http://www.yale.edu/opa/v34.n5/story8.html>>

### **Solar Decathlon 10-10-05**

For an example of articles on the Solar Decathlon on the National Mall in Washington, DC, see:

<[http://www.washingtonpost.com/wp-dyn/content/article/2005/10/07/AR2005100701973.html?nav=rss\\_metro](http://www.washingtonpost.com/wp-dyn/content/article/2005/10/07/AR2005100701973.html?nav=rss_metro)>

Daily coverage on the Solar Decathlon at: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Solar Decathlon 10-7-05**

College teams from around the world are transforming the National Mall in Washington, D.C. into a village of solar-powered homes. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={DA0B6992-8D8B-49BA-82AF-DB5F859106D2}&siteid=mktw&dist=nbk&symb=>>

<<http://www.newstream.com/home.aspx?story=31043>>

Additional stories, e.g.:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={516B9B14-7D83-4478-865E-CC0A8D7A23D2}&siteid=mktw&dist=nbk&symb=>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

For information on the Solar Decathlon in 2007, including the RFP issued October 6, 2005, visit:

<[http://www.eere.energy.gov/solar\\_decathlon/solar\\_decathlon\\_2007.html](http://www.eere.energy.gov/solar_decathlon/solar_decathlon_2007.html)>

### **Solar Decathlon 10-6-05**

For updates on the Solar Decathlon, which opened on the National Mall, see the website at:

<[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

DOE Press, Energy Secretary Bodman Opens Solar Decathlon:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18922&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18922&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

Examples of additional press surrounding the Decathlon:

SunPower Solar Panels Chosen by Contenders..., at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={CC7C079B-9D3B-44C5-ADEA-E4EA5A7FEF9B}&siteid=mktw&dist=nbk&symb=>>

SunPower: <<http://www.sunpowercorp.com/html/>>

Xantrex Selected by Several Teams..., at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=37440>>

Xantrex: <<http://www.xantrex.com/>>

### **Solar Decathlon 10-5-05**

Secretary of Energy Samuel Bodman will inaugurate the 2005 Solar Decathlon with a welcome address to the competing teams, followed by a ribbon cutting to open the Solar Village. Stories at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7533604&ResultCategoryType=2,7&NewsPageID=3>>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7533611&ResultCategoryType=2,7&NewsPageID=3>>

<Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Solar Decathlon 10-4-05**

Solar powered and highly efficient model houses from across the country as well as from Spain, Canada, and Puerto Rico, are arriving in Washington, DC for the start of the 2005 Solar Decathlon.

For coverage, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=abSXvQ-b4rs6?id=37411>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO274.htm>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

## **Additional**

### **Green Power Awards 10-26-05**

The U.S. EPA, DOE, and the Center for Resource Solutions honored a group of organizers committed to advancing the development of the nation's green power market. The annual Green Power Leadership Awards were presented 24 October in conjunction with the Tenth National Green Power Marketing Conference. The highest honor in market development, Green Power Pioneer, was

presented to Blair Swezey of NREL. Twenty-nine organizations received green power purchasing awards. CRS presented 4 awards to organizations and individuals that have shown outstanding leadership in building and shaping the market for renewable energy. See award winners at:

<<http://www.epa.gov/greenpower/winners/index.htm>>

EPA Green Power Partnership: <<http://www.epa.gov/greenpower/>>

Center for Resource Solutions: <<http://www.resource-solutions.org/>>

DOE Green Power Network: <<http://www.eere.energy.gov/greenpower/>>

### **DayStar Award 10-25-05**

DayStar Technologies received the 2005 Technology Innovation of the Year Award from Frost & Sullivan. Story at:

<[http://www.rednova.com/news/science/283197/daystar\\_technologies\\_receives\\_technology\\_innovation\\_of\\_the\\_year\\_award\\_in/index.html?source=r\\_science](http://www.rednova.com/news/science/283197/daystar_technologies_receives_technology_innovation_of_the_year_award_in/index.html?source=r_science)>

DayStar Technologies: <<http://www.daystartech.com/>>

### **Wall Street Journal Global Technology Innovation Awards 10-24-05**

The Wall Street Journal announced the results of its second global Technology Innovation Awards recognizing technological breakthroughs by individuals, companies and organizations around the world. Under Energy and Power, see Solar Integrated Technologies (winner) and Energy Innovations (runner up). Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b97C57C3D-C500-4897-BE16-1FC28A7B75C2%7d&siteid=mktw&dist=nbk&symb=>>>

### **German Environmental Award – Electricity from the Sun 10-14-05**

Prof. Dr. Joachim Luther, director of the Fraunhofer Institute for Solar Energy Systems ISE, has been chosen as a recipient of the German Environmental Award 2005. Along with the scientist Prof. Dr. Berndt, Prof. Dr. Luther will receive the most highly endowed environmental award in Europe. Press at:

<<http://www.uni-protokolle.de/nachrichten/id/107331/>>

Fraunhofer: <<http://www.ise.fraunhofer.de/>>

### **Eurosolar Prizes [Dr. George Peter Pittappillil] 10-20-05**

This year's Eurosolar prize in the category for European Development Cooperation with developing countries is awarded to Mrs. Rosemarie Zaiser, President of the Society for the Promotion of Development Oriented Projects, Stuttgart, Germany for the project "Renewable Energy Centre, Mithradham", Kerala, India.

Eurosolar: <<http://www.eurosolar.org/new/en/home.html>>

<[http://www.eurosolar.org/new/en/esp\\_2005.html](http://www.eurosolar.org/new/en/esp_2005.html)>

Background Press: <<http://renewableenergyaccess.com/rea/news/story?id=30148>>

Mithradham: <<http://www.mithradham.org/>>

## SEPTEMBER

### Solar Installations, Projects

#### **Uganda Solar Schools 9-16-05**

Government-aided boarding schools will soon be connected to solar power according to Uganda's Minister of State for Energy. Story through Solarbuzz at:  
<<http://www.newvision.co.ug/D/8/19/455925>>

#### **EPOD Solar Power 9-16-05**

EPOD International has sold its second solar power system to be installed at an agricultural facility in Mosel, Germany. The deal includes the EPOD Solar Inverter, the EPOD EMT Power Storage System, and PV panels. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/section?id=BRIEF#36670>>  
EPOD Inc.: <<http://www.epodinc.com/>>

#### **Large PV System in Hamburg, Germany 9-16-05**

A 500-kWp PV installation, comprising 3,132 Sharp polycrystalline modules, is now operational in Hamburg, Germany. The installation was built in cooperation with Sharp's partner SunEnergy GmbH. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUPR229.htm>>  
Sharp: <<http://sharp-world.com/solar/index.html>>  
SunEnergy: <<http://www.sunenergy-gmbh.de/>>

#### **Eco-City in Shanghai [Memusi Pulei] 9-15-05**

The Shanghai Industrial Investment Corporation announced plans to build an "eco-city" in Dongtan, Shanghai, China, which will include generating energy from renewable sources. The city will be developed by Arup, a global planning, engineering and design consultancy. Press from IT Power: <<http://www.itpower.co.uk/>>. See also, information on the Shanghai solar roofs project at:  
<[http://news.xinhuanet.com/english/2005-09/15/content\\_3493641.htm](http://news.xinhuanet.com/english/2005-09/15/content_3493641.htm)>

#### **More on the Multi-MW Solar Plant in Portugal 9-15-05**

A 62-MW solar power plant with 350,000 solar panels covering 112 hectares is planned for the Alentejo region of Portugal near the town of Moura. According to the press, BP Solar will build a solar panel factory at the site, which will create 240 full-time jobs. The Girassol plant is planned to come on line in 2009. Stories at:  
<<http://www.guardian.co.uk/renewable/Story/0,2763,1570304,00.html>>  
<<http://www.spacedaily.com/2005/050913182745.c35b987q.html>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

#### **Large Solar Power Plant in Portugal 9-14-05**

According to this article, BP PLC unit BP Solar will begin building a 62-MW solar power plant in Portugal next year, with 350,000 solar panels spread over 114 hectares near the southern town of Moura. Press through Solarbuzz  
<<http://www.solarbuzz.com/News/Newspage.asp>> at:  
<[http://news.money.msn.co.uk/article.aspx?as=article&f=afx\\_uk\\_company\\_news&t=3581&id=1248235&d=20050913&do=http://news.money.msn.co.uk&i=http://news.money.msn.co.uk/mediaexpressportlive&ks=0&mc=5&ml=mh&lc=en&ae=windows-](http://news.money.msn.co.uk/article.aspx?as=article&f=afx_uk_company_news&t=3581&id=1248235&d=20050913&do=http://news.money.msn.co.uk&i=http://news.money.msn.co.uk/mediaexpressportlive&ks=0&mc=5&ml=mh&lc=en&ae=windows-)>  
Examples of additional press:  
<[http://news.yahoo.com/news?tmpl=story&u=/afp/20050913/sc\\_afp/portugalenergy\\_050913201337](http://news.yahoo.com/news?tmpl=story&u=/afp/20050913/sc_afp/portugalenergy_050913201337)>  
<[http://www.channelnewsasia.com/stories/afp\\_world/view/168168/1/.html](http://www.channelnewsasia.com/stories/afp_world/view/168168/1/.html)>

#### **Universal Communication Systems, Inc. PV Agreement 9-13-05**

Universal Communication Systems, Inc. subsidiary Millennium Electric T.O.U. Limited's President and CEO announced that they have concluded negotiations, signed an agreement, and entered into a Joint Venture agreement with Restruttura S.L.R. The transaction calls for erection of a 1-MW, grid-connected PV system using the Millennium brand PV technology. The agreement calls for an initial payment of \$242,000 for the first phase, and a total of \$6.5 million for the entire project, which will be concluded in about 18 months. An electricity "Sell Back Program" is part of the JV agreement. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1c269759-6c05-42bd-8f2c-7baf47e1da3e%7d&siteid=mktw&dist=nbk&symp=>>>

Millennium Electric: <<http://www.millenniumsolar.com/>>

**Shuttle Plug Into Space Station Power 9-12-05**

A system that reroutes power from the International Space Station to a docked space shuttle will allow the shuttles to make extended trips to the station. NASA has modified its contract with Boeing to reroute electricity from the station's solar panels to the shuttle, extending the orbiter's potential stay to a total of 12 days. Story at: <<http://www.newscientist.com/article.ns?id=dn7984>>

**Solar for Veterinary Hospital, California 9-8-05**

GreenLight Solar has completed a 68.5-kW solar electric system for a veterinary hospital near Sacramento, California. The clinic is utilizing its south-facing roof space, as well as custom-built parking structures for the PV systems. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR544.htm>>

GreenLight Solar: <<http://www.greenlightsolar.com/>>

**Stirling Energy Systems-SDG&E Deal 9-7-05**

Stirling Energy Systems has announced a 300-900 MW solar power facility for San Diego Gas & Electric in southern California. This announcement comes on the heels of another major announcement last month on the agreement with Southern California Edison. More on SDG&E's renewable energy pacts at: Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR543.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aljrRYQrk9ig?id=36224>>

For the article "A Sunshine Deal" on the Southern California Edison-Stirling Energy Systems deal in Technology Review, see:

<[http://www.technologyreview.com/articles/05/09/wo/wo\\_090605gnatek.0.asp](http://www.technologyreview.com/articles/05/09/wo/wo_090605gnatek.0.asp)>

**Solar in Tel Aviv 9-7-05**

Per this article, all Tel Aviv public buildings that are refurbished or expanded will be fitted to run on solar energy. Story at:

<<http://www.haaretzdaily.com/hasen/spages/621858.html>>

**Solar Tracking Plant, Spain 9-7-05**

A 5-MW solar tracking PV plant will be installed soon in Caravaca de la Cruz, Murcia in southeastern Spain. The plant construction will be carried out in 2 phases, one of 2-MW and a second of 3-MW and will be finished in 2008. The PV plant is being developed by Soltec Energias Renovables. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR228.htm>>

Soltec Energias Renovables: <<http://www.soltec-renovables.com/>>



### **Solar-powered Homes 9-6-05**

For recent examples of articles on solar-powered homes, in Tennessee and Pennsylvania, see: <<http://www.msnbc.msn.com/id/9172871/>>  
<<http://www.phillyburbs.com/pb-dyn/news/112-09062005-537310.html>>

### **Solar at Warehouse, California 9-6-05**

By February, Tony's Fine Foods plans to cover the roof of its 140,000-square foot warehouse, plus some ground nearby, with a 1-MW PV system. Solar Development, Inc. has been hired to manage the solar power project design, financing, and construction. Story through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at:  
<[http://www.bizjournals.com/sacramento/stories/2005/09/05/story5.html?from\\_rss=1](http://www.bizjournals.com/sacramento/stories/2005/09/05/story5.html?from_rss=1)>

### **El Dorado Solar Project 9-6-05**

The El Dorado Irrigation District board has authorized Shell Solar to proceed with the design and construction of a "solar farm" to help offset the annual electricity costs at the El Dorado Hills Wastewater Treatment Plant. Story through Solarbuzz at:  
<[http://www.sacbee.com/content/community\\_news/el\\_dorado/story/13498591p-14339107c.html](http://www.sacbee.com/content/community_news/el_dorado/story/13498591p-14339107c.html)>  
Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

### **Solar in Iowa 9-2-05**

Eco Lips® is adding solar power to its manufacturing facility in Iowa, gaining support from Alliant Energy and the Department of Natural Resources. According to the company, the solar project is only the beginning of its intention to go off grid. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=36057>>  
Eco Lips® Solar Project: <<http://www.ecolips.com/SolarProject.aspx>>

### **Geneva Mission's Solar Project 9-2-05**

The U.S. Mission to the United Nations in Geneva has dedicated a 118-kW building-integrated PV system. Said U.S. Ambassador to Switzerland Pamela Pitzer Willeford, "The significance of this facility and its amazing technology should not be underestimated. It represents the first building-integrated photovoltaic system at a U.S. diplomatic post and the most ambitious project ever undertaken at a U.S. government building overseas." General Charles E. Williams, director of the State Department's Overseas Buildings Operations said the State Department considers the Geneva project a "flagship" and is looking for opportunities to expand solar energy use at other embassies around the world. Story at:  
<<http://www.allamericanpatriots.com/m-news+article+storyid-12463.html>>

### **Spain's Loan for Philippines Solar Energy Project 9-2-05**

Spain will lend the Philippines 1.52 billion pesos to set up solar energy systems for remote villages under a land reform program. Story through Solarbuzz  
<<http://www.solarbuzz.com/News/NewsPage.asp>> at:  
<[http://news.inq7.net/breaking/index.php?index=2&story\\_id=48902](http://news.inq7.net/breaking/index.php?index=2&story_id=48902)>

### **Yingli Solar PV Donation to Tibet [Kit Temple] 9-2-05**

Yingli Solar has donated 400 'home power systems' to rural villagers living in Tibet. The donation was made to help celebrate the 40th anniversary of the founding of Tibet Autonomous Region. Story at ENF: <<http://www.enf.cn/news/050902/1.html>>

## **Technology Applications**

### **Solar in Louisiana 9-16-05**

SOL® Inc. in conjunction with the Louisiana State Police, is installing the first 30 solar-powered lighting systems at critically designated areas in and around New Orleans. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b4DE864A2-A70C-4F88-BC1A-A55A25D34300%7d&siteid=mktw&dist=nbk&symp=>>>  
SOL: <<http://www.solarlighting.com/>>

## Technology Developments

### **Photonic-Bandgap Materials 9-16-05**

For an article with information taken from a NASA technical report on "High-Efficiency Solar Cells Using Photonic-Bandgap Materials", see RedNova at:  
<[http://www.rednova.com/news/display/?id=241288&source=r\\_science](http://www.rednova.com/news/display/?id=241288&source=r_science)>  
<<http://www.nasatech.com/TSP2/incat.php?cat=Physical+Sciences>>

### **Hydrogen from Solar 9-14-05**

For coverage of the concept for using concentrated solar energy to produce hydrogen, developed by an international team of scientists from Israel, Sweden, Switzerland, and France, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=36544>>  
Other press: <[http://www.isracast.com/tech\\_news/090905\\_tech.htm](http://www.isracast.com/tech_news/090905_tech.htm)>

### **Production of Quantum Dots 9-12-05**

Per this article, efficient and highly scalable new chemical synthesis methods developed at the University at Buffalo's Institute for Lasers, Photonics and Biophotonics have the potential to revolutionize the production of quantum dots for bioimaging and PV applications. Press at:  
<<http://www.newswise.com/articles/view/514466/?sc=rssn>>

### **H2Go at UC Merced Ceremonies with Schwarzenegger [Gary Conley] 9-9-05**

H2Go was recently featured during a tour by Governor Schwarzenegger at the new UC Merced opening ceremonies, with Professor Roland Winston showing the Governor the company's first- and second-generation designs. These are concentrator solar PV systems employing Spectrolab triple-junction cells at 500-1,000 suns. Gen1 employs a 30cm hexagonal primary mirror while Gen2 shrinks all optics into a solid dielectric concentrator and uses 1mm<sup>2</sup> cells. See video and photos at:  
<<http://www.photos.gov.ca.gov/essay91.html>>  
H2Go: <<http://www.h2go.org/>>

## Manufacturing

### **S.M.D. Solar-Manufaktur - Aleo Solar Capacity at 90 MW 9-16-05**

On the company's 45,000 square meter site in Brandenburg-based Prenzlau, S.M.D. Solar-Manufaktur, the marketing subsidiary of Aleo Solar, has built a logistics center and a second production building. With this increment, Aleo Solar and S.M.D. Solar-Manufaktur have increased their annual production capacity to 90 MW. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA79.htm>>  
Aleo: <<http://www.aleo-solar.de/>>

### **XsunX Mass Production System 9-7-05**

XsunX, Inc. announced that the design of its mass production systems for the manufacture of its proprietary PowerGlass™ PV films will provide for modular expansion capabilities. More at XsunX: <<http://www.xsunx.com/>>

## Industry Business Developments, Status

### **China Energy Savings Opportunities 9-15-05**

China Energy Savings Technology, Inc. announced plans for the company to explore new growth opportunities and technology solutions. The company intends to expand into alternative energy areas such as solar power. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b2617A285-59DB-4681-B1DB-C8C44268ECA5%7d&siteid=mktw&dist=nbk&sybm=>>>  
China Energy Savings Technology, Inc.: <<http://www.cesv-inc.com/>>

### **PV Powered's New Facility 9-15-05**

PV Powered LLC announced it has completed its move into a new facility in Bend, Oregon. Said Bill Taylor, President, "Along with expanded administrative offices, we've also dedicated a separate Engineering facility equipped with environmental labs and the latest electronic equipment that will be used for product development,

comprehensive testing, and our three-phase inverter program.” Story at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=36570>  
PV Powered: <http://www.pvpowered.com/>  
PV Powered Training: <http://www.renewableenergyaccess.com/rea/events/view?id=36577>

#### **Sputnik Inverter 9-15-05**

In October, Sputnik Engineering AG will launch its new inverter SolarMax 4200 C. Press at Solarbuzz: <http://www.solarbuzz.com/news/NewsEUPT38.htm>  
Sputnik Engineering AG: <http://www.solarmax.com/>

#### **SolarWorld Expansion 9-15-05**

SolarWorld AG has established a subsidiary in Madrid - SolarWorld Iberica s.l. - which the company will use as its base for Europe's second largest solar market. Simultaneously, SolarWorld will enter the US solar business with its new subsidiary SolarWorld California Inc. in San Diego, California. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsEU0204.htm>  
SolarWorld: <http://www.solarworld.de/>

#### **WorldWater & Power Acquisition of Assets 9-14-05**

WorldWater & Power Corp. announced the acquisition of MJD Solutions, Inc., d/b/a Quantum Energy Group, to assist with the design and construction of WorldWater projects. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAC0359.htm>  
WorldWater & Power: <http://www.worldwater.com/>  
Quantum Energy Group: <http://www.quantumenergygroup.com/pages/1/index.htm>

#### **Amtech Systems Order 9-14-05**

Amtech Systems, Inc. announced a new order for \$1.2 million for its Tempres brand furnaces and a letter of intent for \$1.2 million in future orders. This is a repeat order from an Asian customer in the solar cell industry. Story at: <http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB1E87A35-1C18-44D1-879C-286AA17C546D%7d&siteid=mktw&dist=nbk&symb=>>  
Amtech Systems, Inc.: <http://www.amtechsystems.com/>

#### **Voltaix Rights to a SiGe Technology 9-14-05**

Voltaix, Inc. announced that they have obtained worldwide exclusive rights to a materials technology developed at Arizona State University. Per the article, the technology developed at ASU could lead to breakthroughs in the manufacture of advanced CMOS substrates, CMOS-integrated MEMS, thin film amorphous solar cells, and nano-scale quantum dot silicon photonics. Story at: <http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b73BAE0E6-CD99-4216-81F5-46F2FF083D46%7d&siteid=mktw&dist=nbk&symb=>>  
Voltaix, Inc.: <http://www.voltaix.com/>

#### **Sustainable Energy Financing 9-13-05**

Sustainable Energy Technologies Ltd. has completed a previously announced private placement of securities to raise gross proceeds of \$1 million. Press at: <http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bC62E5B00-2045-464C-9743-6F9C3926F7FC%7d&siteid=mktw&dist=nbk&symb=>>  
Sustainable Energy Technologies: <http://www.sustainableenergy.com/SET-home/index.html>

#### **Barnabus Energy President and CEO 9-13-05**

Barnabus Energy, Inc. announced the appointment of David P. Saltman as President and CEO of the company. Barnabus Energy is now in the process of relocating to new corporate headquarters in San Diego, California. The Suncone division will remain in Los Alamos, New Mexico, where Dr. Prueitt and HYTEK Engineering are working on the first commercial demonstration model. Press at: <http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7473372&ResultCategoryType=2,7&NewsPageID=3>  
Barnabus Energy: <http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Ebarnabusenergy%2Ecom&template=2,2>

Suncone: <[http://www.sriglobal.org/suncone\\_intro.html](http://www.sriglobal.org/suncone_intro.html)>

#### **ECD Ovonic Operating Results 9-13-05**

Energy Conversion Devices, Inc. reported financial results for the fiscal year ended June 30, 2005. United Solar Ovonic sold 16 MW (\$50.8 million) of PV systems - an 84% increase over 2004 sales, and has a 6-month order backlog valued at \$51 million.

Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAC0358.htm>>

ECD Ovonic: <<http://www.ovonic.com/>>

Uni-Solar: <<http://www.uni-solar.com/>>

#### **Silicon Investment 9-13-05**

By investing 110 million yuan (US\$13.6 million), the Boading-based Tianwei Baobian Electric Co., Ltd. has recently become the second largest shareholder of Sichuan Xinguang Silicon Technology Co., Ltd, a company designed to produce 1,260 tons of polycrystalline silicon annually. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7473037&ResultCategoryType=2,7&NewsPageID=3>>

#### **Carmanah for Hurricane Relief 9-13-05**

Carmanah Technologies Inc. has been rushing to fill orders for hundreds of lights to rebuild facilities destroyed by Hurricane Katrina on the U.S. Gulf Coast. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR545.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=36501>>

Carmanah: <<http://www.solarmarinelights.com/>>

#### **Elevator to Space 9-9-05**

LiftPort Group announced that it has received a waiver from the Federal Aviation Administration to use airspace to conduct preliminary tests of its high-altitude robotic "lifters". The lifters are early prototypes of the technology that the company is developing for use in its commercial space elevator to ferry cargo back and forth into space. The LiftPort Space Elevator will consist of a carbon nanotube composite ribbon eventually stretching some 62,000 miles from earth to space.

Mechanical lifters are expected to move up and down the ribbon carrying such items as people, satellites, and solar power systems into space. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={DDA95AD9-CCD5-48CD-A28D-C0A7F2CDD0A2}&siteid=mktw&dist=nbk&syml=>>>

LiftPort Group: <<http://www.liftport.com/>>

#### **More on Sunrise Powerlink 9-8-05**

Sunrise Powerlink is a proposed transmission line that will provide access to available and anticipated electricity from renewable energy sources in the Imperial Valley and eastern San Diego County. For more on this proposal, see

RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aZ0UhPNY7c16?id=36317>>

SDG&E: <<http://www.sdge.com/index.shtml>>

#### **Energy Innovations Rooftop Concentrator 9-8-05**

Energy Innovations is currently testing the low-cost rooftop PV concentrator, Sunflower™, on its own roof in Pasadena and will be testing at other sites in different climate zones. Following UL certification later this year, the company will begin installing Sunflower systems on customer rooftops in the fourth quarter. Story at:

<[http://www.rednova.com/news/display/?id=232462&source=r\\_science](http://www.rednova.com/news/display/?id=232462&source=r_science)>

Energy Innovations: <<http://www.energyinnovations.com/>>

#### **ErSol IPO 9-8-05**

German solar cell maker ErSol Solar Energy said it is seeking to make an initial public offering on the Frankfurt stock exchange. Press through Solarbuzz

<<http://www.solarbuzz.com/index.asp>> at:

<<http://www.thebusinessonline.com/DJStory.aspx?DJStoryID=20050908DN010214>>

ErSol: <<http://www.ersol.de/>>

**Barnabus Energy Prototype 9-7-05**

Barnabus Energy Inc. announced it has secured the services of HYTEC Engineering Inc. to design and build the first commercial prototype of the Suncone solar collection system. Press at:

<[http://news.yahoo.com/news?tmpl=story&u=/sddt/20050907/lo\\_sddt/barnabusenergysignspar\\_tnertodesignsolarcollections](http://news.yahoo.com/news?tmpl=story&u=/sddt/20050907/lo_sddt/barnabusenergysignspar_tnertodesignsolarcollections)>

Previous press: <[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=91474](http://www.marketwire.com/mw/release_html_b1?release_id=91474)>

Barnabus Energy: <<http://www.barnabusenergy.com/en/news/release.asp?numb=155>>

Suncone: <[http://www.sriglobal.org/suncone\\_intro.html](http://www.sriglobal.org/suncone_intro.html)>

**Ener1, Inc. Spin Offs 9-7-05**

Ener1, Inc. announced that its board has authorized a plan to spin off the common stock of its three primary alternative energy subsidiaries to the Ener1 stockholders. The Company's board has instructed senior management to implement the proposed plan to spin off Ener1's interest in each of EnerDel, NanoEner, and EnerFuel. NanoEner Inc. has developed a proprietary technology for the production of nanostructured thin-film coatings for use in battery electrodes and plans to expand into other markets for nanomaterials including thin-film PV solar cells. Story at:

<<http://biz.yahoo.com/prnews/050906/latu011.html?.v=26>>

NanoEner: <<http://www.nanoener.com/>>

**DayStar Update 9-7-05**

Dr. John Tuttle, Chairman and CEO of DayStar Technologies, Inc. released an operational update detailing fundamental progress that has been made by DayStar over the past several months. Information at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7B828CCEf8-2735-4500-8CA7-F4B3C1DF3A19%7D&siteid=mktw&dist=nbk&symp>>

DayStar: <<http://www.daystartech.com/>>

**Internet-based Software for Incentive Processing [Tom Hoff] 9-7-05**

The New York State Energy Research and Development Authority has teamed with Clean Power Research to develop PowerClerk™ for its Power Naturally(SM) PV Incentive Program. PowerClerk is an Internet-based software service for government, power utilities, and other organizations with clean energy programs. It processes incentive applications, generates program reports, and analyzes results. Says Dr. Joseph Visalli, NYSERDA's Director of Energy, "PowerClerk does an excellent job of managing the information that accompanies incentive applications." Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aljrRYQrk9ig?id=36271>>

For more information about NYSERDA's Renewable Energy Program and to view real-time PV incentive program results, visit: <<http://www.powernaturally.org/>>

PowerClerk™: <<https://www.powerclerk.com/Default.aspx>>

Clean Power Research: <<http://www.clean-power.com/>>

**SatCon Inverters on CEC List 9-6-05**

SatCon Technology Corporation announced that it has successfully listed five additional PowerGate™ AE-PV Series utility-grade PV inverter designs on the California Energy Commission's list of eligible inverters. Story at:

<<http://biz.yahoo.com/bw/050906/65601.html?.v=1>>

CEC List: <[http://www.consumerenergycenter.org/cgi-bin/eligible\\_inverters.cgi](http://www.consumerenergycenter.org/cgi-bin/eligible_inverters.cgi)>

**GlobeTel 9-6-05**

GlobeTel Communications Corp. announced that its subsidiary, Sanswire Networks LLC, has signed a Letter of Intent with the Center for Solar Energy and Hydrogen Research Baden-Wuerttemberg (ZSW). The LOI states that ZSW will provide R&D engineering support under a Cooperative Research and Development Agreement for the development of a state-of-the-art solar-electric propulsion system for Sanswire's Stratellite airship. Said Bob Jones, President of Sanswire, "ZSW is the result of an extremely progressive and well-funded effort by the German government to enable widespread of renewable energy technologies". Story at:

<<http://biz.yahoo.com/bw/050906/65409.html?.v=1>>

Sanswire: <<http://www.sanswire.com/>>

ZSW: <<http://www.zsw-bw.de/>>

#### **China-Australia Production of Solar Cells 9-6-05**

Jinglong Group in north China's Hebei Province and an Australian solar company recently concluded an agreement for joint production of solar cells. Story at: <<http://sg.news.yahoo.com/050906/16/3uqun.html>>

#### **ENDESA's Renewables Plans 9-6-05**

By 2009, around 40% of ENDESA's production plants will not release any type of pollutant gas into the atmosphere. ENDESA intends to develop 3,100 MW of clean energy capacity in Europe, of which 2,500 MW will be installed in Spain and Portugal and 600 MW in Italy and France. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aOjhIeSXqRLg?id=36056>>

#### **SolarWorld Contract with Silicon Producer 9-6-05**

SolarWorld AG's subsidiary Deutche Solar AG has closed a long-term contract for the supply of solar silicon with U.S. silicon producer Hemlock Semiconductor Corporation. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEU0202.htm>>  
<<http://www.solarworld.de/>>  
Hemlock Semiconductor: <<http://www.hscpoly.com/>>

#### **EVA Production 9-2-05**

Bridgestone Corporation announced it would expand production capacity for EVA film at its Iwata Plant in Iwata city, Shizuoka. Press through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at: <<http://www.azom.com/details.asp?newsID=3854>>  
Bridgestone: <<http://www.bridgestone.co.jp/>>

#### **Relay Driver 9-2-05**

Morningstar introduced the Relay Driver for renewable energy applications. The logic module provides system control functions such as high/low voltage alarms, load control, and generator start. This, and more product news at RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/productstory?id=36060>>  
Morningstar: <<http://www.morningstarcorp.com/>>

#### **ECD Organization 9-2-05**

ECD Ovonic's Board of Directors has approved changes in the company's organizational structure. In PV, the board approved the formation of 2 solar divisions. The Ovonic Solar-Terrestrial Division will report to Jim Metzger and will have responsibility for manufacturing and sales of building-integrated PV and PV roofing products, as well as for the module manufacturing plants. The Ovonic Solar-Space and R&D Division will report to Stan Ovshinsky and will have responsibility for government and military contracts, R&D, and the advanced ultra-lightweight PV for space and airship applications. Details at: <[http://www.ovonic.com/news\\_events/5\\_2\\_press\\_releases/20050901.htm](http://www.ovonic.com/news_events/5_2_press_releases/20050901.htm)>  
ECD Ovonic: <<http://www.ovonic.com/>>

#### **San Diego Gas & Electric Proposed Transmission Line 9-1-05**

San Diego Gas & Electric unveiled a proposal to build a new electric transmission line between San Diego and Imperial Counties. The new transmission project, called Sunrise Powerlink, will serve as a new energy superhighway to improve reliability, and will also provide access to available and proposed electricity from environmentally friendly resources such as solar, wind and others. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b4A56557D-8A94-4FA2-BCF5-AEB3DD4625F6%7d&siteid=mktw&dist=nbk&sybm=>>>  
San Diego Gas & Electric: <<http://www.sdge.com/index.shtml>>

#### **Energy Center at Purdue 9-1-05**

Purdue's new Energy Center will focus on research to develop future power sources, including solar, nuclear, bioenergy, wind, and clean coal. The Center will be located at Discovery Park, Purdue's interdisciplinary research hub. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aqf0D07UaIc-?id=35997>>



Purdue's Discovery Park: <<http://fred.e-enterprise.purdue.edu/wps/portal>>  
Purdue Press:  
<<http://www.fortwayne.com/mld/fortwayne/news/local/12404172.htm?template=contentModule/s/printstory.jsp>>

#### **Solar Shares 9-1-05**

A number of solar power firms are considering floating their shares in the coming months as the soaring price of oil draws increasing interest from governments trying to reduce dependence on fossil fuels. Story at:

<[http://today.reuters.co.uk/news/newsArticle.aspx?type=reutersEdge&storyID=2005-09-01T135818Z\\_01\\_NOA150269\\_RTRUKOC\\_0\\_ANALYSIS-SOLAR-POWER.xml](http://today.reuters.co.uk/news/newsArticle.aspx?type=reutersEdge&storyID=2005-09-01T135818Z_01_NOA150269_RTRUKOC_0_ANALYSIS-SOLAR-POWER.xml)>

### **Renewables Programs, Projects**

#### **Solar Energy in U.S. Northwest 9-16-05**

For a story on solar energy tax credits in Oregon, see:

<<http://www.katu.com/news/story.asp?ID=79669>>

#### **New Jersey Renewable Energy Standards 9-16-05**

The New Jersey Board of Public Utilities has approved modifications to the Renewable Portfolio Standards rules. More details at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO272.htm>>

#### **Pennsylvania's Clean Energy Initiatives 9-15-05**

Pennsylvania Governor Edward Rendell's clean-energy initiatives will be highlighted as part of former President Bill Clinton's inaugural meeting of the Clinton Global Initiative in New York. For more on Pennsylvania's clean-energy initiatives and the New York event, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b518AF27B-31F9-4DCF-A8E2-96301ED856FB%7d&siteid=mktw&dist=nbk&symb=>>>

Clinton Global Initiative: <[http://www.clintonglobalinitiative.org/home.nsf/pt\\_home](http://www.clintonglobalinitiative.org/home.nsf/pt_home)>

Pennsylvania Department of Environmental Protection: <<http://www.dep.state.pa.us/>>

#### **Renewable Energy Installations in Spain 9-14-05**

Spain's overall objective is for renewable energy to account for 12.1% of Spain's total power supply by 2010 compared with 6.9% at the end of 2004. The objective for solar power installations is now 400 MW by 2010, compared with a previous objective of 144 MW. Said Xantrex's chairman, Mossadiq S. Umedaly, "The new Spanish plan calls for very significant solar power growth, and Xantrex inverters are well positioned to meet the expected demand." Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36549>>

Renewables Plan (Spanish): <<http://www2.mityc.es/es-ES/index.htm?cultura=es-ES>>

Xantrex: <<http://www.xantrex.com/>>

#### **Oregon and New York State Solar Energy Incentives [EERE Network News] 9-14-05**

For information on Oregon and New York State solar energy incentives, as well as other news, see EERE Network News - Kevin Eber - at: <<http://www.eere.energy.gov/news/#9374>>

#### **Pennsylvania Settlement 9-13-05**

Pennsylvania Governor Edward G. Rendell announced that customers in the PECO Energy service area in southeastern Pennsylvania will benefit from \$220 million in rate relief. The settlement includes provisions to increase the mix of advanced and renewable electricity generation, and provides \$12 million to the Pennsylvania Energy Development Authority and \$7.2 million to the Sustainable Development Fund to promote renewable energy and energy efficiency and conservation projects. Story at:

<<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind focus.story&STORY=/www/story/09-13-2005/0004106083&EDATE=TUE+Sep+13+2005,+08:45+AM>>

PA Energy Development Authority:

<[http://www.dep.state.pa.us/dep/deputate/pollprev/PA\\_Energy/PAENERGY/PEDA\\_home.htm](http://www.dep.state.pa.us/dep/deputate/pollprev/PA_Energy/PAENERGY/PEDA_home.htm)>

Sustainable Development Fund: <<http://www.trfund.com/sdf/>>

#### **Million Solar Roofs Bill 9-9-05**

Last minute efforts to resolve issues failed to save SB 1 in California's Assembly. For the story see:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aicQuCgAchq4?id=36386>>

See also "Where Does California's Million Solar Roofs Initiative Go From Here", by David Hochschild at: <<http://www.renewableenergyaccess.com/rea/news/story?id=36390>>

and an interview with Jan McFarland on California's Next Steps for Solar:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36396>>

and, "Million Solar Roofs Bill Dies in California Assembly" - "three-year long effort to establish the nation's biggest solar power initiative fails on last day of legislative session", by Bernadette Del Chiaro at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36397>>

Additional press at: <<http://www.signonsandiego.com/news/state/20050909-9999-1n9solar.html>>

<[http://today.reuters.com/investing/financeArticle.aspx?type=bondsNews&storyID=2005-09-09T205756Z\\_01\\_N09675702\\_RTRIDST\\_0\\_ENVIRONMENT-CALIFORNIA-SOLAR.XML](http://today.reuters.com/investing/financeArticle.aspx?type=bondsNews&storyID=2005-09-09T205756Z_01_N09675702_RTRIDST_0_ENVIRONMENT-CALIFORNIA-SOLAR.XML)>

#### **PNM PV Program, New Mexico 9-7-05**

For a fact sheet on PNM's proposed customer-owned PV program, see:

<[http://www.pnm.com/news/2005/0901\\_pv\\_facts.htm](http://www.pnm.com/news/2005/0901_pv_facts.htm)>

Additional press: <<http://biz.yahoo.com/bizj/050906/1160265.html?v=1>>

#### **Million Solar Roofs Bill Re-referred to Committee 9-6-05**

Members of the California Assembly re-referred the solar bill to the Utilities and Commerce Committee. For this, and related stories on the controversies, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aqXCCSdbfxjb?id=36215>>

#### **UAE Sun & Wind 9-2-05**

For an article on Harnessing Sun & Wind - in UAE, where a renewable energy industry is slowly emerging, see: <<http://www.oxfordbusinessgroup.com/weekly01.asp?id=1535>>

In February 2006, Dubai will host the Middle East Electricity Exhibition & Conference, which has renewable energy as one of its main pillars. Information at:

<[http://www.middleeastelectricity.com/index.cfm?page=news\\_details&category=13&id=92&menuid=51](http://www.middleeastelectricity.com/index.cfm?page=news_details&category=13&id=92&menuid=51)>

#### **California's Million Solar Roofs 9-1-05**

Per this article, Akeena Solar calculates that the Million Solar Roofs bill would provide more than \$6 billion in benefits to the state's power grid, environment and economy, even after accounting for the cost of incentives. Requiring the payment of prevailing wages on California's solar work will increase costs to the state by \$755 million over the course of the program, and jeopardizes support for the bill. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=36012>>

Akeena Solar: <<http://www.akeena.net/about/news.html>>

Previous Press: <<http://www.msnbc.msn.com/id/9066164/>>

Environment California Updates: <<http://www.environmentcalifornia.org/>>

### **Meetings, Gatherings, Conferences**

#### **National Policy Conference 9-15-05**

For information on "Renewable Energy in America: The Policies for Phase II", 17-18 October 2005 in Washington, D.C., visit:

<<http://www.renewableenergyaccess.com/partner/acore/>>

#### **SEI Workshops 9-15-05**

For information on Solar Energy International workshops, including those upcoming in Nicaragua and Costa Rica, see the website at: <<http://www.solarenergy.org/>>.

Information is also available at this website to sign up for SEI's e-newsletter.

#### **Pennsylvania's Clean Energy Initiatives 9-15-05**

Pennsylvania Governor Edward Rendell's clean-energy initiatives will be highlighted as part of former President Bill Clinton's inaugural meeting of the Clinton Global

Initiative in New York. For more on Pennsylvania's clean-energy initiatives and the New York event, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b518AF27B-31F9-4DCF-A8E2-96301ED856FB%7d&siteid=mktw&dist=nbk&symp=>>

Clinton Global Initiative: <[http://www.clintonglobalinitiative.org/home.nsf/pt\\_home](http://www.clintonglobalinitiative.org/home.nsf/pt_home)>  
Pennsylvania Department of Environmental Protection: <<http://www.dep.state.pa.us/>>

#### **Prism Solar Technologies at Energy Venture Fair [Rick Lewandowski] 9-15-05**

Prism Solar Technologies, Inc. has been selected to present at the upcoming Energy Venture Fair VI, November 2 and 3, in Boston, MA. For more information on the fair, see: <<http://www.energyventurefair.com/>>

Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=36567>>

Prism Solar Technologies / Direct Global Power: <<http://www.directglobalpower.com/>>

#### **Solar Program Review Meeting 9-14-05**

For information on the DOE Solar Energy Technologies Program annual review meeting 7-10 November 2005 in Denver, Colorado, see:

<[http://www.eere.energy.gov/solar/review\\_meeting/](http://www.eere.energy.gov/solar/review_meeting/)>

#### **PV Med 9-13-05**

The deadline for registration for PV Med, 5 and 6 October 2005 in Catania, Sicily, has been extended to 16 September. For more information, see: <<http://www.pvmed.org/>>

#### **PV Business Tour of Spain [Edwin Koot] 9-9-05**

The "PV Business Tour Spain" will take place from 13 to 18 November. This trade mission is open to companies interested in learning more about PV business practices and market opportunities in Spain. Included are visits to Spanish government agencies, major Spanish PV companies, major projects, and important stakeholders. For more information see: <<http://www.solarplaza.com/news/solarenergy/2005/09090501.htm>>  
Solarplaza: <<http://www.solarplaza.com/>>

#### **Evergreen Solar at Merriman 2005 Investor Summit 9-8-05**

Evergreen Solar, Inc. announced that the company will be presenting at the Merriman Curhan Ford & Company 2005 Investor Summit September 19 in San Francisco. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={81A45831-7066-4F11-AFF5-A3ECF108A28B}&siteid=mktw&dist=nbk&symp=>>

Evergreen Solar: <<http://www.evergreensolar.com/egsolar1/index.html>>

Investor Summit: <<http://biz.yahoo.com/bw/050817/175789.html?.v=1>>

Merriman Curhan Ford & Co.: <<http://www.merrimanco.com/>>

#### **Renewable Energy in America 9-8-05**

For information on the national policy conference, "Renewable Energy in America: The Policies for Phase II", 17-18 October, 2005 see:

<<http://guest.cvent.com/EVENTS/Info/Agenda.aspx?e=d365be0f-9a82-44a4-96d1-552cc5872575>>

<<http://www.acore.org/programs/05policy.php>>

#### **Solar Tours 9-7-05**

Thousands of homes, schools, and businesses that use solar energy will open their doors to the public on October 1<sup>st</sup> for the National Solar Tour, sponsored by ASES with support from DOE's Office of Energy Efficiency and Renewable Energy. For more information, see EERE Network News [Kevin Eber] at:

<<http://www.eere.energy.gov/news/#9346>>

#### **Solar Forum 9-6-05**

The agenda for the upcoming California Solar Center Solar Forum, 13 September, can be found at: <[http://www.californiasolarcenter.org/pdfs/forum/CSC-Solar\\_Forum-SantaClara\\_agenda.pdf](http://www.californiasolarcenter.org/pdfs/forum/CSC-Solar_Forum-SantaClara_agenda.pdf)>

#### **NREL Industry Growth Forum 9-2-05**

The 18<sup>th</sup> NREL Industry Growth Forum is set for 7-9 November 2005 in San Francisco, California. The forum will showcase approximately 33 promising clean-energy companies

poised for market growth. For more information, visit  
<<http://www.cleanenergyforum.com>>  
Registration: <<http://www.regonline.com/Checkin.asp?EventId=23574>>

**UAE Sun & Wind 9-2-05**

For an article on Harnessing Sun & Wind - in UAE, where a renewable energy industry is slowly emerging, see: <<http://www.oxfordbusinessgroup.com/weekly01.asp?id=1535>>  
In February 2006, Dubai will host the Middle East Electricity Exhibition & Conference, which has renewable energy as one of its main pillars. Information at:  
<[http://www.middleeastelectricity.com/index.cfm?page=news\\_details&category=13&id=92&meuid=51](http://www.middleeastelectricity.com/index.cfm?page=news_details&category=13&id=92&meuid=51)>

**Global Village Partnership Assembly [Judy Siegel] 9-2-05**

The Global Village Partnership Assembly will be held 20-21 October in Brasilia, Brazil. This is the first full Assembly of the over 800 partner organizations that have signed onto GVEP. The meeting is co-sponsored by the Brazil Ministry of Mines and Energy, with support provided by UNDP, USAID, the World Bank, and the Energy Sector Management Assistance Program (ESMAP). Related side events on October 18 include: an Energy Journalist Alumni Meeting sponsored by USAID and the Institute of International Energy; a GVEP Facilitator Energy-Poverty Reduction Action Planning Seminar; and an Energy, Gender and Micro-Finance Workshop organized by Energia and ESMAP. On October 19 the Brazil Ministry of Mines and Energy will hold a one-day meeting on its Luz para Todos Program (Lights for All), to which all GVEP partners are invited. For more information and/or to register for the GVEP Partner Assembly go to <<http://www.gvep.org>>

**DayStar Presenting at Investment Conference 9-1-05**

DayStar Technologies, Inc. announced that the company's Chairman and CEO, Dr. John Tuttle, will be a featured presenter at the upcoming Arch Small Cap Investment Conference in New York City. Press at: <<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=104&STORY=/www/story/09-01-2005/0004098265&EDATE=>>>  
DayStar Technologies: <http://www.daystartech.com/>  
Arch Investment Conference:  
<<http://www.theautochannel.com/news/2005/08/25/141277.html>>

**U.S. Congress In Action**

**Reports, Publications, Statements**

**IREC Newsletter [Jane Pulaski] 9-16-05**

The latest issue of the Interstate Renewable Energy Council e-newsletter, with information on schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification, and other topics, can be found at:  
<<http://www.irecusa.org/commout/enewsletter.html>>

**PHOTON International September 2005 9-16-05**

For the contents of PHOTON International September 2005, and live links (in red) to several articles, see the website at: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-09.htm](http://www.photon-magazine.com/photon/news_issue_2005-09.htm)>

**XsunX Interview 9-15-05**

XsunX CEO Tom Djokovich was interviewed by the financial information portal [www.WallSt.net](http://www.WallSt.net). For information, see:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bBA8B1B72-89C5-439C-822D-24CE5506792C%7d&siteid=mktw&dist=nbk&sybm=>>>  
WallSt.net: <<http://www.wallst.net/>>  
XsunX: <<http://www.xsunx.com/>>

**Renewable Energy for Developing Countries 9-15-05**

The Renewable Energy Policy Network for the 21<sup>st</sup> Century (REN 21) released its report "Energy for Development: The Potential Role of Renewable Energy in Meeting the

Millennium Development Goals". See RenewableEnergyAccess for more information at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=36601>>  
REN 21: <<http://www.ren21.net/>>

#### **Policy for Renewable Energy 9-14-05**

The American Council On Renewable Energy (ACORE) announced the completion of renewable energy policy roundtable meetings in 12 cities, seeking to define the next phase of a national policy for renewable energy in America. For more information, see RenewableEnergyAccess at:

<[http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a31X5\\_C D8E59?id=36533](http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a31X5_C D8E59?id=36533)>

ACORE: <<http://www.acore.org/>>

#### **Solar Panels in China [Amy Cole] 9-12-05**

A new report by Research and Markets profiles 19 leading solar panel makers, based on factory tours and interviews with senior managers, providing detailed information on suppliers' manufacturing capabilities, product offerings, and future plans. Press at:

<<http://www.researchandmarkets.com/reports/c23976/>>

Related story - "China's Solar Energy Sector":

<<http://au.biz.yahoo.com/050912/17/93to.html>>

#### **Publications from Worldwatch Institute 9-12-05**

For featured articles from Worldwatch, including lessons learned from Katrina, see the website at: <<http://www.worldwatch.org/>>

#### **WorldWater Research Note by Beacon 9-12-05**

A new research note was issued on WorldWater & Power Corp. by Investrend Research Affiliate Beacon Equity Research analyst Shailesh Dhuri. In the report, Mr. Dhuri outlines some of the reasons for the stock's recent appreciation. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB74F48BD-CAEB-496C-9F3B-4592C36ABB45%7d&siteid=mktw&dist=nbk&symp=>>

#### **Solar Investments 9-12-05**

"The solar market is projected to grow 35% a year for the next three to five years", said Walter V. Nasdeo, managing director of Ardour Capital, an investment bank in New York that specializes in energy companies. For the article "Suddenly, Those Solar Panels Don't Look So 1970's", see:

<<http://www.nytimes.com/2005/09/11/business/yourmoney/11sola.html?ex=1212811200&en=6bc e91d62a7ee34f&ei=5035&partner=MARKETWATCH>>

Related Story: <<http://deseretnews.com/dn/view/0,1249,605153873,00.html>>

#### **Western Governors' Reports for Clean, Diversified Energy Initiative [Craig Cox] 9-9-05**

The Western Governors' Association released for comment the first round of task reports developed as part of its Clean and Diversified Energy Initiative. The governors are examining the feasibility of and actions that would be needed to develop 30,000 MW of clean energy in the West by 2015, ensure adequate transmission and increase energy efficiency 20% by 2020. Reports will be posted to WGA's web site over the next week. See: <<http://www.westgov.org/wga/initiatives/cdeac/comments.htm>>

Western Business Coalition for New Energy Technologies, Craig Cox, Executive Director: <<http://www.newenergytechnologies.org/>>

#### **China's Solar Lights Industry 9-9-05**

China's solar lights industry has grown from a limited line of decorative outdoor lights to functional lighting designed for use in gardens, lawns, yards, parks and roads. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={D7A156C5-9E00-41C9-ADE4-89E142327840}&siteid=mktw&dist=nbk&symp=>>

See Research and Markets report at:

<<http://www.researchandmarkets.com/reports/c23953/>>

#### **Solar Thermal Roadmap, Europe 9-8-05**

More countries in Europe should expand their incentives for renewable energies to include concentrated solar thermal technology, according to a vision developed by

ECOSTAR (European Concentrated Solar Thermal Road-Mapping). This, and more news, at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=42994326&accnum=1&topics=](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=42994326&accnum=1&topics=)>

#### **National News at EPIA 9-7-05**

For national news, for example on the new feed-in tariff in Italy, see the European Photovoltaic Industry Association Newsletter at:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=09&c\\_cat=5](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=09&c_cat=5)>

#### **IREC Interconnection Newsletter [Rusty Haynes] 9-7-05**

The September 2005 "IREC Interconnection Newsletter" is now available at <<http://www.irecusa.org/connect/enewsletter.html>>. The newsletter covers state, national and international developments in interconnection standards and distributed generation, as well as relevant industry news, publications, people and events.

#### **ENF.cn 9-6-05**

ENF started operation in August 2005, and its staff are located in Anhui, China and Surrey, UK. Their initial aim is to build up a solid base of information on companies working with solar electricity in China and Europe, before expanding into other regions. For information on ENF.cn, see the website at:

<<http://www.enf.cn/aboutus.html>>

#### **Distributed Energy Stock Index [Nat Treadway] 9-6-05**

The Distributed Energy Financial Group (DEFG) LLC launched the Distributed Energy Stock Index (DESI) in July 2005. DEFG has announced the publication of the first edition of the DESI Quarterly Report. For more information, see:

<<http://www.defgllc.com/DESI.php>>

#### **Solar Panel Shortage 9-6-05**

Per this article, at a time when solar power's star is shining brightest due to aggressive government incentives from Arizona to Germany, a shortage of solar panels threatens to at least delay the industry's rapid growth. Story at:

<<http://www.azcentral.com/arizonarepublic/business/articles/0906solar06.html>>

#### **IREC Newsletter [Jane Pulaski] 9-2-05**

For the latest issue of the Interstate Renewable Energy Council's Going Solar and the Department of Energy's Million Solar Roofs e-newsletter, covering schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification and other news see:

<<http://www.irecusa.org/commout/enewsletter.html>>

Included in this issue are links to tax credit information at the DSIRE website, for example:

<[http://www.dsireusa.org/library/includes/GenericIncentive.cfm?Incentive\\_Code=US02F&currpageid=3](http://www.dsireusa.org/library/includes/GenericIncentive.cfm?Incentive_Code=US02F&currpageid=3)>

<[http://www.dsireusa.org/library/includes/GenericIncentive.cfm?Incentive\\_Code=US13F&currpageid=3](http://www.dsireusa.org/library/includes/GenericIncentive.cfm?Incentive_Code=US13F&currpageid=3)>

<[http://www.dsireusa.org/library/includes/GenericIncentive.cfm?Incentive\\_Code=US37F&currpageid=3](http://www.dsireusa.org/library/includes/GenericIncentive.cfm?Incentive_Code=US37F&currpageid=3)>

#### **Sunbeam [Carolyn Beach] 9-2-05**

For the July/August 2005 issue of Sunbeam, the eNewsletter of the American Solar Energy Society, with coverage of chapter news, ASES news, hot solar projects, business outlook, etc. see: <[http://www.ases.org/chapter\\_newsletter/2005/JA05/JA05.html](http://www.ases.org/chapter_newsletter/2005/JA05/JA05.html)>

#### **Solar Photovoltaic Report [Amy Cole] 9-1-05**

Research and Markets Solar Photovoltaic (SPV) Report 2005 Edition 2 is available.

See: <<http://www.researchandmarkets.com/reports/c23521/>>

#### **Xcel on Solar Costs, Colorado 9-1-05**

Xcel Energy told state regulators it will be expensive to comply with a voter-approved requirement that some of its energy come from solar power. According to the article, Xcel is worried about costs and is concerned that it will be forced to reveal proprietary information when detailing its compliance with the law. Article through



Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:  
<[http://www.denverpost.com/business/ci\\_2987795](http://www.denverpost.com/business/ci_2987795)>  
Amendment 37: <<http://www.dora.state.co.us/puc/rulemaking/Amendment37.htm>>

**Solicitations, RFPs, LOIs, etc. & Awards**

**USDA Renewable Energy Grants 9-15-05**

The USDA announced the selection of 150 recipients of almost \$21 million in USDA Rural Development grant assistance for renewable energy and energy efficiency projects in 32 states. According to the announcement, the renewable energy and energy efficiency projects involve a wide range of wind, solar, biomass, geothermal, and conservation technologies. Story at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a0\\_7f1PG6vXf?id=36595](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a0_7f1PG6vXf?id=36595)>

USDA Rural Development: <<http://www.rurdev.usda.gov/>>

USDA State Office Rural Energy Coordinators:

<<http://www.rurdev.usda.gov/rbs/farbill/contacts.html>>

**Southern California Edison's Renewables RFP [Green Power Network] 9-14-05**

Southern California Edison is seeking proposals from sellers of electric energy, capacity attributes, environmental attributes, and resource benefits produced by generating facilities that qualify as Eligible Renewable Energy Resources.

Announcement at:

<<http://www.sce.com/AboutSCE/Regulatory/qualifyingfacilities/RPS2005.htm>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

**Renewables RFP Response 9-13-05**

The Ontario government received 22 proposals for a total of 2,029 MW of renewable power, in response to a renewables RFP for 1,000 MW. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36506>>

**Renewable Energy Trust Proposals 9-12-05**

The Renewable Energy Trust, a division of the Massachusetts Technology Collaborative, has extended proposal deadlines. Proposed projects can be for either new construction or retrofits to existing buildings. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36457>>

Renewable Energy Trust: <[http://www.masstech.org/renewableenergy/large\\_renewables.htm](http://www.masstech.org/renewableenergy/large_renewables.htm)>

**SCE Renewables Procurement 9-9-05**

Southern California Edison announced another solicitation for renewable power contracts. "We believe cost-effective renewable power makes sense in helping to meet our customers' energy needs in the future", said Pedro Pizarro, SCE senior vice president of power procurement. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={CF79184-FD58-4EBA-B6ED-97D154539020}&siteid=mktw&dist=nbk&syms=>>

Request for Electric Energy Proposals:

<<http://www.sce.com/AboutSCE/Regulatory/qualifyingfacilities/RPS2005.htm>>

**Intelligent Energy - Europe 9-7-05**

For information on "Intelligent Energy - Europe" 2005 Call for Proposals, see the EPIA website at:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=09&c\\_cat=6](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=09&c_cat=6)>

**RNK Capital RFP 9-7-05**

RNK Capital, LLC aims to invest an initial \$25 million in the domestic renewable energy market and invites interested parties to submit an Expression of Interest. The request for project proposals is for offers for renewable energy or energy efficiency projects that can generate specific environmental attributes in SO2 Emission Allowances, NOx Emission Allowances, and Compliance market RECs. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=36207>>

Specifics: <<http://rfp.rnkcapital.com/>>

See also EERE Network News [Kevin Eber] at: <<http://www.eere.energy.gov/news/#9344>>

**DOE State Energy Savings Projects 9-1-05**

DOE announced it will provide \$16,509,819 for 178 energy efficiency and renewable energy projects in 42 states. The funding is through DOE State Energy Program Special Projects competitive grants, and will be awarded in September. One project is listed under the Solar Technology Program -- \$250,000 on micro inverters to examine the internal and external maximum temperature conditions in which micro inverters will work. Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18603&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18603&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

SEP Projects: <[http://www.eere.energy.gov/state\\_energy\\_program/projects\\_all\\_state.cfm](http://www.eere.energy.gov/state_energy_program/projects_all_state.cfm)>

**Competitions**

**Solar Decathlon 9-12-05**

For press on the Solar Decathlon, including a medialink at Newstream.com, see:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bFbF9DB55-1EA1-4F60-BA62-03BF7F8EF494%7d&siteid=mktw&dist=nbk&symb="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bFbF9DB55-1EA1-4F60-BA62-03BF7F8EF494%7d&siteid=mktw&dist=nbk&symb=)>

Newstream.com: <<http://www.newstream.com/home.aspx?story=30900>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

**Solar Decathlon 9-2-05**

Cal Poly's solar house for the 2005 Solar Decathlon is taking shape, and when complete will be transported to the National Mall for the competition. For more on this house and team, see RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=36058>>

Solar CalPoly: <<http://solardecathlon.calpoly.edu/>>

Designed by students at the New York Institute of Technology, a house powered by solar and hydrogen, the "Green Machine/Blue Space", will compete in the Solar Decathlon. Said Michele Bertomen, associate professor of architecture at NYIT, "Our Solar Decathletes are tomorrow's' engineers, architects, researchers, business managers, and homeowners. As an educator, I can't think of anything more valuable than supporting their unique vision for living under the sun." Story at:

<<http://www.fuelcelltoday.com/FuelCellToday/IndustryInformation/IndustryInformationExternal/NewsDisplayArticle/0,1602,6410,00.html>>

NYIT: <<http://iris.nyit.edu/solardecathlon/>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

**Additional**

## AUGUST

### Solar Installations, Projects

#### **More on Solucar Energia Solar Power Tower 8-31-05**

Solucar Energia is building a 10-MW solar power tower near Seville. The facility will use 624 mirrors focusing solar energy onto the 100 m tower. For coverage at ReFocus, see:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=19581241&accnum=1&topics=](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=19581241&accnum=1&topics=)>

#### **Reliance Infocomm Solar and Wind, West Bengal 8-30-05**

Reliance Infocomm is planning to use alternative energy - wind and solar power - in an attempt to ensure uninterrupted power supply for its network. The company has completed the test phases of the alternative power projects near Dugrapur in West Bengal and intends to install them at other locations across the country. Story at:

<<http://www.business-standard.com/iceworld/storypage.php?hpFlag=Y&chklogin=N&autono=198701&leftnm=lmnu9&leftindx=9&lselect=0>>

Reliance Infocomm: <<http://www.relianceinfo.com/Infocomm/index.html>>

#### **Hockey Rink PV, New York 8-30-05**

A \$320,000 PV roof project at a hockey facility in New York was funded by proceeds from a lawsuit filed against coal-fueled power plants in Virginia and West Virginia. New York received \$2 million of the \$14 million settlement. The New York State Energy Research and Development Authority manages the money earmarked for improving energy in municipal buildings, and the hockey rink was one of 12 sites selected. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:

<<http://timesunion.com/AspStories/story.asp?storyID=392036&category=ALBANY&BCCode=&newsdate=8/29/2005>>

NYSERDA: <<http://www.nyserda.org/>>

#### **More on Phonix SonnenStrom Solar Power Plant 8-30-05**

Phonix SonnenStrom AG inaugurated the first 2 MW of a ground-mounted solar power plant comprising 11,616 solar modules. Upon completion, the plant will have a peak output of 5.3 MW. See coverage at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35932>>

Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

#### **More on Butte College 1.06 MW PV System, California 8-29-05**

A 1.06 MW PV system at Butte-Glenn Community College was recently completed, comprising 5,700 solar panels on a 4-acre field. Said Diana Van Der Ploeg, Butte College president, "The solar project represents a major win for the college and our community. Solar saves money, improves the environment, and provides a wonderful opportunity to train students on environmental stewardship and alternative energy." Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35896>>

Butte College: <<http://www.buttecollege.com/>>

#### **M-TEC PV System in Michigan 8-29-05**

Northwestern Michigan College and Traverse City Light and Power are receiving a \$60,000 state energy grant as partners in a project to install a 10-kW solar electric system at the Michigan Technological Education Center campus. Press at:

<<http://www.record-eagle.com/2005/aug/29solar.htm>>

#### **Solucar Multi-Megawatt Solar Tower 8-25-05**

For a guided tour of Solucar's planned PS10 project near Seville, see:

<<http://www.solucar.es/english/index.htm>>

Information at EERE Network News [Kevin Eber]: <<http://www.eere.energy.gov/news/#9310>>

#### **Phonix SonnenStrom AG Multi-Megawatt PV System 8-25-05**

With 100 guests, Phonix SonnenStrom AG inaugurated the first 2 megawatts of a ground-mounted large solar power plant in Miegersbach, Bavaria. Phonix SonnenStrom assembled 11,616 solar modules over a surface area of more than 56,000 m<sup>2</sup>. Upon completion of the whole project at the end of this year, the plant will have a peak power output of

5.3 megawatts. Story and photos at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUPR225.htm>>  
Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

#### **Butte Community College PV Project 8-24-05**

Butte-Glenn Community College in Oroville, California recently turned on its 1.06-MWdc PV system, comprising 5,700 solar panels on a 4-acre field. The solar project cost \$7.4 million, and half of the cost was funded through PG&E's self-generation incentive program. Sun Power & Geothermal Energy installed the array. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR542.htm>>  
Other Press: <<http://www.oroVILLEmr.com/Stories/0,1413,157~26686~3023884,00.html>>  
PG&E Self-Generation Incentive Program: <<http://www.pge.com/selfgen/>>  
Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

#### **PV Systems in Switzerland 8-23-05**

A 1-MW PV system has been installed on the banks of the river Rhone in Geneva. The operator of the PV system, public services of Geneva - SIG (Service Industriels de Geneve), installed a total of 6,000 monocrystalline solar modules covering 16,000 square meters. Eight SolarMax 125 inverters from Sputnik Engineering AG are part of the system. In May, an 850-kW PV installation that also used SolarMax inverters was put into operation in Bern, integrated into the roof of the soccer stadium Stade de Suisse. More on these systems and the Sputnik inverters at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR224.htm>>  
SolarMax: <<http://www.solarmax.com/>>

#### **PV System for Academy in Los Angeles 8-23-05**

The Yavneh Hebrew Academy in Los Angeles began installing a 73-kW PV system this week. Solar contractor Permacity is installing the system, comprising 420 Schott 175-watt PV modules and 2 30-W Xantrex inverters mounted on the school's new gym building. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35675>>  
Permacity: <<http://www.permacity.com/>>

#### **SunTechnics Solar Energy Project, Switzerland 8-22-05**

According to this article, the engineers of SunTechnics have put the world's most efficient large-scale solar roof into operation on the De La Praille grain silo near Geneva. The 480 PV modules use SunPower solar cells. Said Sylvere Leu, SunTechnics' CEO, "Technical progress is demonstrated not just in the individual components but in the design of the whole system. For that reason we have developed a special module for our high-performance installations, with which we can optimize the interaction of all the technical components." Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR223.htm>>  
SunTechnics: <<http://www.suntechnics.de/>>  
SunPower: <<http://www.sunpowercorp.com/html/>>

#### **Woodlands Market PV System 8-22-05**

A new PV system with 746 roof-mounted solar modules has been installed by SolarCraft at the Woodlands Market in California. Said Chris Bunas, Director of the Photovoltaic Division for SolarCraft Services, "The Santa family now owns the largest solar powered grocery store in California." Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=agkVV1A3HrJ5?id=35633>>  
and  
Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR541.htm>>  
SolarCraft Services: <<http://www.solarcraft.com/>>

#### **BHEL Solar Power Systems at Schools, India 8-22-05**

Bharat Heavy Electricals Ltd said it has commissioned solar power systems ranging from 2 to 5 kW in the tribal schools at various places in Jharkhand. Story through Solarbuzz at: <<http://sify.com/finance/fullstory.php?id=13921038>>

BHEL: <<http://66.39.99.160/bhel/home.php>>

#### **Solar Power in Bangladesh 8-19-05**

More than 50,000 rural households have been connected with solar power by Infrastructure Development Company Ltd with the financial support of the World Bank and the Global Environment Facility. Story at: <<http://www.bangladesh-web.com/news/view.php?hidDate=2005-08-19&hidType=TOP&hidRecord=00000000000000057216>>  
IDCOL: <<http://www.idcol.org/>>

#### **Connecticut Solar Energy Project 8-19-05**

Certerbrook Architects and Planners LLC in New Haven installed 100 PV panels on their roof, which along with a hydroelectric plant, will provide 20% of the firm's energy each year. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7420586&ResultCategoryType=2,7&NewsPageID=3>>  
Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

#### **Telefonica Headquarters' PV 8-19-05**

Spanish telecommunications company, Telefonica, will install 16,600 Sharp PV panels on the roof of its new headquarters in a business park in Madrid. The system will be built and maintained by Iberdrola as the technology partner. Story at ReFocus:  
<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=98038882&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=98038882&accnum=1&topics=>)  
Telefonica Press:  
<<http://www.iberdrola.com/webcorp/gc/en/html/comunicacion/notasprensa/NPTelefonicaIberdrolamayor parque solar Europa 2005-07-20 2 .pdf>>

#### **More on Co-operative Insurance Society (CIS) Tower PV 8-18-05**

Per this article, the first solar panel, which will form part of Europe's largest vertical PV project, has been unveiled at the Co-operative Insurance Society (CIS) tower in Manchester. The panel is one of over seven thousand that will cover 3 sides of the CIS tower. The project is due for completion by December 2005. Story at:  
<<http://www.newbuilder.co.uk/news/NewsFullStory.asp?ID=904>>

#### **More on PV Potential for Hangar One at Moffett Field, California 8-18-05**

For coverage of the potential for PV on Hangar One at Moffett Field, see:  
<<http://www.sfgate.com/cgi-bin/article.cgi?f=c/a/2005/08/18/BAGI2E9B5B1.DTL&feed=rss.news>>

#### **PV in Pennsylvania 8-18-05**

A 5-kW PV system at the Indiana Township Municipal Plaza in Allegheny County is on line, made possible by a partnership among the Township, Middle Allegheny Streams Alliance Inc. (MASA), and Solar Power Industries. "The goal of this project is to assess the economic viability of renewable energy technologies in western Pennsylvania," said Scott McDougall, MASA director and the project's coordinator. Press at: <<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind focus.story&STORY=/www/story/08-17-2005/0004090207&EDATE=WED+Aug+17+2005,+02:00+PM>>  
Pennsylvania Department of Environmental Protection: <<http://www.dep.state.pa.us/>>  
Solar Power Industries: <<http://www.solarpowerindustries.com/index.htm>>  
Previous Press: <<http://www.bizjournals.com/pittsburgh/stories/2004/03/08/story5.html>>

#### **More on Potential for PV at Moffett Field's Hangar One 8-17-05**

For a story on the potential for PV on Hangar One at Moffett Field in California, see:  
<[http://news.yahoo.com/news?tmpl=story&u=/sv/20050816/tc\\_siliconvalley/www12396965\\_1](http://news.yahoo.com/news?tmpl=story&u=/sv/20050816/tc_siliconvalley/www12396965_1)>  
Previous link: <<http://www.spaceref.com/news/viewsr.html?pid=17601>>

#### **PowerLight PV Installation for National Guard Center [Susan DeVico] 8-17-05**

The New Jersey Department of Military and Veterans Affairs announced it has completed installation of one of the largest military-owned solar electric systems in the Eastern U.S. at the New Jersey Army National Guard's Fort Dix Joint Training and Development Center. The 181-kW solar array was furnished by PowerLight Corporation. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR540.htm>> and RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=asqlhKBsh5Ef?id=35491>>  
PowerLight: <<http://www.powerlight.com/>>

**More on Stirling Energy Deal 8-15-05**

For continuing stories on Stirling Energy Systems' planned solar generating station in California, see: <[http://news.com.com/Start-up+sees+new+dawn+for+old+solar+tech/2100-7260\\_3-5830235.html](http://news.com.com/Start-up+sees+new+dawn+for+old+solar+tech/2100-7260_3-5830235.html)>

<<http://www.vvdailypress.com/2005/112403256432817.html>>

Stirling Energy Systems Press: <[http://www.stirlingenergy.com/breaking\\_news.htm](http://www.stirlingenergy.com/breaking_news.htm)>

**Solarparc Tracking PV System 8-15-05**

Solarparc AG has started construction of a new tracking PV installation in Freiberg/Saxony. The tracking system will be supplied by SolarWorld AG. More on this two-axis tracking system and the Solarparc project at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR221.htm>>

Solarparc AG: <<http://www.solarparc.de/>>

SolarWorld AG: <<http://www.solarworld.de/>>

**More on Stirling Energy Systems Power Plant 8-12-05**

Per this article, solar technology developed at Sandia National Laboratories in conjunction with Stirling Energy Systems will be used to build the 20,000-dish array on 4,500 acres in California's Mojave Desert. Stirling Energy Systems will build a 40-dish test power plant, possibly in Albuquerque - likely either on Sandia property, the planned Mesa del Sol development south of the Albuquerque International Sunport or an undisclosed California location, and the test plant should be up and running in early 2007. Said Stirling CEO Bruce Osborn, Stirling's long-term relationship with Sandia makes Albuquerque an attractive location. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7239614&ResultCategoryType=2,7&NewsPageID=3>>

Stirling Energy Systems: <<http://www.stirlingenergy.com/>>

Sandia National Laboratories: <[http://www.sandia.gov/Renewable\\_Energy/renewable.htm](http://www.sandia.gov/Renewable_Energy/renewable.htm)>

**More on Anderson Valley Brewery's Solar Power System 8-12-05**

A free-standing array of 126 PV panels on the ground is now tied to a 592-panel unit on top of Anderson Valley Brewery's cellar and packaging facility. For the story, through Solarbuzz, on this installation on the North Coast in Mendocino County, California, see:

<<http://www1.pressdemocrat.com/apps/pbcs.dll/article?AID=/20050811/NEWS/50811001/1036/BUSINESS>>

Anderson Valley Brewery Solar: <<http://www.avbc.com/news/pressCurrent.html#ground>>

**More on the FedEx Solar Installation 8-12-05**

For coverage of FedEx solar-power installation at its hub at the Oakland International Airport, see the story and photo at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aCOKS1vNHQ3?id=35351>>



#### **EPOD's First Sale in Germany 8-12-05**

EPOD International announced that the company has sold its first solar power system, which is to be installed in a hotel in Elters, Germany. The 60,000-Euro deal includes both the EPOD Solar Inverter and PV panels. Story at:

<[EPOD Inc: <<http://www.epodinc.com/>>](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={39B4F26B-D006-4682-90A9-5119FE9A9EAC}&siteid=mktw&dist=nbk&symp=></a></p></div><div data-bbox=)

#### **More on FedEx Solar 8-11-05**

The 5,769 solar panels powering the 81,000-square-foot FedEx hub in Oakland, California were assembled at Sharp Corp's American manufacturing plant. Said Marc Cortez, head of marketing for Sharp Solar, "We started a solar line in Memphis in October 2003. Last November, we doubled our capacity to up to 40 megawatts." By the end of the month, Sharp expects to have another assembly line running in Memphis, Tennessee, increasing production to close to 60 MW. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7213024&ResultCategoryType=2,7&NewsPageID=3>>

Sharp Solar: <<http://solar.sharpusa.com/solar/home/0,2462,,00.html>>

#### **Solar for Convention Center, California 8-11-05**

The Long Beach Convention Center soon will have a rooftop PV system. Per this press, five companies responded to Long Beach's Request for Proposals to install the solar system, and DEERS won the bid. Once in place, the system will be maintained by DEERS for 20 years. Story at: <<http://www.gazettes.com/solar08112005.html>>

#### **SoCal Edison and Stirling Deal 8-10-05**

Southern California Edison and Stirling Energy Systems have signed an agreement to build a 1-MW test facility using 40 of the company's 37-foot-diameter dish assemblies. The 20-year power purchase agreement, subject to California Public Utilities Commission approval, also calls for a potential 500-MW solar project 70 miles northeast of Los Angeles using Stirling Energy Systems' dish technology, with an option to expand the project to 850 MW. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR537.htm>> and

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aJR2g4pXEj56?id=35263>>

SoCal Edison Press: <<http://www.edison.com/pressroom/pr.asp?id=5885>>

Other Press: <<http://www.vvdailynews.com/2005/11236823786632.html>>

<<http://www.ens-newswire.com/ens/aug2005/2005-08-09-09.asp>>

<<http://www.whittierdailynews.com/Stories/0,1413,207~12041~3002788,00.html>>

Stirling Energy Systems: <<http://www.stirlingenergy.com/>>

#### **FedEx Solar Power Installation 8-10-05**

FedEx Corp. activated their solar-power installation during a dedication ceremony at its hub at the Oakland International Airport. The installation will power 80% of the hub's energy needs. PowerLight Corporation designed and built the system. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR536.htm>>

PowerLight: <<http://www.powerlight.com/>>

FedEx:

<[http://www.fedex.com/us/customersupport/international/062805n\\_solarelectricsystem.html](http://www.fedex.com/us/customersupport/international/062805n_solarelectricsystem.html)>

<<http://www.fedex.com/us/about/responsibility/environment/greenhousegases.html>>

#### **New Jersey, Solar at Farms 8-8-05**

Barely a year into what's called the Power Crop Initiative, two dozen New Jersey farms have new solar systems running or are getting them installed, and dozens more are planned. Story at: <<http://www.newsday.com/news/local/wire/newjersey/ny-bc-nj--solarfarms0807aug07,0,3129904.story?coll=ny-region-apnewjersey>>

#### **Airport Solar, California 8-5-05**

Troy Hightower and Rich Partain of the Solar Demonstration Center hope to build a solar power demonstration project on 2 acres of Mojave Airport land, and eventually extend the project to 25 acres. Story through Solarbuzz

<<http://www.solarbuzz.com/News/NewsPage.asp>> at:  
<[http://www.avpress.com/n/04/0804\\_s9.htm](http://www.avpress.com/n/04/0804_s9.htm)>  
Solar Demonstration Center: <[http://www.solardemocenter.com/fr\\_exec.html](http://www.solardemocenter.com/fr_exec.html)>

#### **Badu Island Solar Community 8-4-05**

Badu Island in the Torres Strait has initiated the Solar Town Project. Solar power systems ranging from 1.8 kW to 5 kW have been installed on the police station, childcare center, health care center, council chambers, and the business center as well as the Badu Island State School. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsASPR132.htm>>

#### **Control System for Solar Power Plants 8-3-05**

Telvent GIT S.A. announced it will supply control technology solutions for 3 new solar power plants in Seville currently under construction by the Abengoa subsidiary, Solucar Energia. The project includes the design, supply, testing and commissioning of the heliostat field control systems for the solar power plants. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b5AB9759B-9723-4BF3-810B-79412046DD4E%7d&siteid=mktw&dist=nbk&symb=>>>  
Telvent: <<http://www.telvent.com/>>  
Solucar Energia: <<http://www.solucar.es/>>

#### **Solar Homes in Hawaii 8-3-05**

Actus Lend Lease says it will have created the world's largest solar-powered residential community when it installs PV systems on nearly 3,000 new Army homes on Oahu. Story at:  
<<http://the.honoluluadvertiser.com/article/2005/Aug/03/bz/508030328.html>>  
Actus Lend Lease: <<http://www.actuslendlease.com/>>

#### **Solar Powered Future in Spain 8-1-05**

A group of leading Spanish industrial companies has joined forces with Iberdrola to invest some E 300 million over the next 3 years to build solar energy power stations. Per the press, "the plants will not rely on panels alone, but will instead use solar power to heat steam which will then drive turbines." Story through Solarbuzz at:  
<<http://www.iht.com/getina/files/265157.html>>

#### **Turnkey PV Projects, Spain 8-1-05**

ATERSA has recently signed several contracts with different clients for setting up a series of PV plants with solar tracking in Almeria, Huelva, Cuenca, Toledo and Las Palmas, amounting to 9 MWp. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUPR220.htm>>  
ATERSA: <<http://www.atersa.com/>>

#### **Sports Club PV System, California 8-1-05**

The Salutary Sports Club in Shingle Springs, California recently commissioned their new 102.5 kW PV system. The system, using 18 FRONIUS IG 4500-LVs and 1 FRONIUS IG 2500-LV, was installed by Premier Power. Press at the FRONIUS Solar e-Bulletin.  
FRONIUS: <[http://www.fronius.com/worldwide/index\\_usa\\_welding\\_solar.htm](http://www.fronius.com/worldwide/index_usa_welding_solar.htm)>  
Premier Power: <<http://www.premierpower.com/>>

### **Technology Applications**

#### **Photovoltaic Prius 8-16-05**

A Canadian engineer has prototyped a Photovoltaic Prius - a 2001 Prius augmented with roof-tope solar panels and an additional battery system to supplement the charge in the original equipment NiMH batteries. Story at:  
<<http://www.mixedpower.com/modules.php?name=News&file=article&sid=727>>

#### **Solar Powered Transit Shelters, Canada 8-15-05**

The City of Mississauga and Viacom Outdoor have entered into an agreement to install solar powered lighting in new Mississauga Transit bus shelters. Story at  
RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=35398>>

### **Hybrid Home 8-9-05**

The \$2 million Hybrid Living Home has been launched officially in Calgary where it will be powered entirely by solar and wind energy stored in lithium batteries. Story through the Canadian Association for Renewable Energies at:  
<<http://www.renewables.ca/main/main.php>>

### **Solar-Powered Wi-Fi 8-9-05**

Lumin Innovative Products has deployed solar-powered Wi-Fi on the Pearl Street Mall in Boulder, Colorado. The decision to bring free Wi-Fi to Pearl Street, and to make it the first solar-powered wireless network in the country, was made by the Downtown Boulder Business Improvement District. Story at:  
<<http://www.internetnews.com/wireless/article.php/3525941>>  
Lumin Innovative Products: <<http://www.luminip.com/>>

### **More on Weizmann Institute Solar Energy-Hydrogen Fuel Project 8-4-05**

Results of the experiments to use solar technology for production of hydrogen fuel, tested on a large scale of the Weizmann Institute of Science in Israel, will be presented at the ISES Solar World Congress. Press at:  
<<http://www.mfa.gov.il/MFA/Israel+beyond+politics/Weizmann+Institute+solar+energy+project+promises+to+advance+use+of+hydrogen+fuel+4-Aug-2005.htm>>

## **Technology Developments**

### **Solaris Nanosciences Rechargeable Solar Cell 8-30-05**

Solaris Nanosciences has demonstrated a rechargeable dye sensitized solar cell. Per the article, Solaris plans to develop a large-scale prototype of its rechargeable solar cell for testing at NREL and with corporate partners to explore the distribution of this technology through the building and construction industry. For more on these developments, see:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bF586960E-A59D-4B4A-AB44-AAFD358E177F%7d&siteid=mktw&dist=nbk&symp=>>>  
Solaris Nanosciences: <<http://www.solarisnano.com/>>

### **SunPower Discovery 8-23-05**

Per this press, SunPower Corp. announced the discovery of a new performance effect observed in high efficiency silicon solar cells. The new effect, called "surface polarization" creates the non-destructive and reversible accumulation of static charge on the surface of high-efficiency solar cells, such as the company's all-back-contact A-300. SunPower scientists have developed and applied for patents on new solar cell designs that eliminate that surface polarization. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNATE32.htm>>  
SunPower: <<http://www.sunpowercorp.com/html/>>

### **GE Global Research "Ideal" Carbon Nanotube Diode and Related PV Discovery [Charles Korman] 8-19-05**

GE Global Research announced the development of an ideal carbon nanotube diode that operates at the "theoretical limit", or best possible performance. In the course of its research, the GE team led by Dr. Ji Ung Lee made a related discovery when it observed a photovoltaic effect in the nanotube diode device. The discovery is reported in the cover story of the August 15, 2005 edition of Applied Physics Letters. Press at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNATE31.htm>>  
Applied Physics Letters, pdf:  
<<http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=APPLAB00008700007073101000001&idtype=cvips>>  
Applied Physics Letters: <<http://apl.aip.org/>>  
GE Press: <<http://www.ge.com/en/company/news/index.htm>>  
GE Global Research: <<http://www.research.ge.com/>>

### **Additional Coverage of Lightweight Solar Cells for Space and Defense 8-16-05**

United Solar Ovonic announced that the Air Force Research Laboratory awarded the company a \$6.7 million, 18-month contract to continue development of its ultra-lightweight, high-efficiency solar cell technology for use in space and airship

vehicles. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=35435>>  
Uni-Solar: <<http://www.uni-solar.com/>>

#### **Multi-bandgap Solar Cells 8-16-05**

For an article in III-Vs Review on multi-bandgap solar cells developed by Lawrence Berkeley National Laboratory, see: <[http://www.three-fives.com/optoelectronic\\_news/aug05\\_opto\\_news/100805Multiband\\_semiconductor\\_solar\\_cell\\_s.htm](http://www.three-fives.com/optoelectronic_news/aug05_opto_news/100805Multiband_semiconductor_solar_cell_s.htm)>

#### **Technique to Handle Defects, Impurities in Silicon 8-16-05**

Per this article, a research team led by engineers at the University of California, Berkeley, has developed a technique to handle impurities and defects in low-grade silicon. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> in UC Berkeley Press at:  
<[http://www.berkeley.edu/news/media/releases/2005/08/15\\_solar.shtml](http://www.berkeley.edu/news/media/releases/2005/08/15_solar.shtml)> and at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=35431>>

### **Manufacturing**

#### **Fuji Electric Systems Solar Cell Production Plant 8-29-05**

Fuji Electric Systems announced that it will open a new plant in Kumamoto prefecture. The company will invest 10 billion yen (\$91 million) in the plant and equipment over the next three years. Press at: <[http://www.japancorp.net/Article.Asp?Art\\_ID=10750](http://www.japancorp.net/Article.Asp?Art_ID=10750)>

#### **AVA Technologies LLC PV Manufacturing Developments 8-26-05**

According to this press, a research team from Colorado State University is on the brink of mass-producing solar panels that will compete price-wise with traditional energy sources. The university has officially released its patent rights on the manufacturing process to the team members, and by the end of next year, the group hopes to test a high-speed, high-volume manufacturing line. A company - AVA Technologies LLC - has been formed by W.S. Sampath and research associates. Press at: <[http://ncbr.datajoe.com/app/ecom/pub\\_article\\_details.php?id=59371](http://ncbr.datajoe.com/app/ecom/pub_article_details.php?id=59371)>

#### **More on XsunX Production System 8-24-05**

XsunX has begun the design and engineering of an integrated mass production system for the manufacture of its proprietary thin-film transparent solar cell technology, Power Glass™. For the story, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=azBxTUKgMpCb?id=35744>>  
XsunX: <<http://www.xsunx.com/>>

#### **RWE Schott Module Factory in the Czech Republic 8-23-05**

The RWE Schott Solar GmbH module factory in Valasske Mezirici in the Czech Republic opened on June 14, 12 months after the investment was secured. The Czech plant is operated under the name of RWE Schott Solar CR, s.r.o. For more in this plant, see Photon International at: <[http://www.photon-magazine.com/news/news\\_2005-08%20eu%20sn%20RWE%20Schott.htm](http://www.photon-magazine.com/news/news_2005-08%20eu%20sn%20RWE%20Schott.htm)>  
Photon International August 2005 Contents: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-08.htm](http://www.photon-magazine.com/photon/news_issue_2005-08.htm)>  
RWE Schott Solar: <<http://www.rweschottsolar.com/>>

#### **Showa Shell CIS Plant 8-15-05**

Showa Shell Sekiyu KK announced it will proceed with construction of a thin-film, CIS solar cell manufacturing plant, with a capacity of 20 MW/year. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASMA54.htm>>  
Showa Shell: <<http://www.showa-shell.co.jp/>>

#### **More on Solar Assembly Plant in Uganda 8-8-05**

Solar Energy for Africa will build a solar system assembly plant in Entebbe, Uganda. Said Richard Kanyika, managing director of Solar Energy for Africa, "We expect to grow by 10 percent annually for the first 10 years, serving Uganda, Tanzania, Rwanda, Burundi, the Democratic Republic of the Congo, Sudan, Ethiopia, and Kenya". Press at: <[http://english.people.com.cn/200508/08/eng20050808\\_200922.html](http://english.people.com.cn/200508/08/eng20050808_200922.html)>

#### **More on Solargenix 8-5-05**

Solargenix announced they will locate a new 65 MW facility in Southern Nevada for the production of their solar thermal collectors. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aIz90Qmisluh?id=35061>>  
Solargenix: <<http://www.solargenix.com/index.cfm>>

#### **Solargenix Energy 8-4-05**

Solargenix Energy, LLC will locate its new 65 MW Solar Thermal Power Plant in Southern Nevada. The plant is slated for completion by January 2007. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=35061>> and  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7125630&ResultCategoryType=2,7&NewsPageID=3>>  
Nevada Development Authority:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Enevadadevelopment%2Eorg&template=2,2>>  
Solargenix: <<http://www.solargenix.com/>>

### **Industry Business Developments, Status**

#### **Dyesol Debut 8-31-05**

For information on Dyesol Ltd's listing on the Australian Stock Exchange, see:  
<<http://au.biz.yahoo.com/050831/17/8abp.html>>  
Dyesol: <<http://www.dyesol.com/>>

#### **ICP Solar Panels 8-31-05**

ICP Solar announced the launch of a new range of industrial solar panels. The new panels are made for a variety of off-grid solar energy applications with less than 50 watt power requirements. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=asd ESh nzetd?id=35963>>  
ICP Solar: <<http://www.icpsolar.com/>>

#### **More on RenewableNJ [Chuck Feinberg] 8-30-05**

Homeland Energy Resources Development, Inc. and ECI International Inc. announced the formation of a Joint Venture company, Renewable New Jersey, LLC (RenewableNJ), the latest in a series of state-specific companies established by these partners devoted to the development of on-site Clean Power Systems (SM) utilizing clean and renewable energy. For a copy of the press release, see:  
<<http://www.homeland-energy.com/News/RNJ PR 2005-08-24.pdf>>

#### **GridPoint Intelligent Energy Management 8-30-05**

GridPoint, Inc. announced that its products will help consumers reap the benefits of tax credits, net metering, time-based pricing and other forms of demand response outlined in the Energy Policy Act of 2005. More on these products at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB172FA6E-6FD1-4CE1-B764-16AE252DE1B3%7d&siteid=mktw&dist=nbk&sybm=>>>  
GridPoint: <<http://www.gridpoint.com/>>

#### **Solar Lighting Technology Order [Moneer Azzam] 8-30-05**

SolarOne™ Solutions, LLC announced that the company has received another order for its SoLed™ lighting systems. Said Moneer Azzam, President of SolarOne, "This latest order, for a different market sector, application and geographical location, confirms the breadth of interest in our technology." Press at:  
<<http://www.solarone.net/News/docs/pr050820.html>>  
SolarOne Solutions: <<http://www.solarone.net/>>

#### **GT Solar Technologies [Harin Ulla] 8-30-05**

GT Solar was recently awarded three federal research grants totaling \$1 million, and then won a \$48 million contract with LDK Solar Hi-Tech Co. Ltd. of Jiangxi, China. Originally announced as a \$33 million contract, LDK Solar increased its commitment

after representatives of the company visited GT Solar's facilities in Merrimack.  
Story at: <[http://www.masshightech.com/displayarticledetail.asp?art\\_id=69475](http://www.masshightech.com/displayarticledetail.asp?art_id=69475)>  
GT Solar Technologies: <<http://www.gtsolar.com/>>

**More on SunPower IPO 8-29-05**

Cypress Semiconductor's solar cell division, SunPower, has filed to raise as much as \$115 million in an initial public offering. More on this story at:  
<<http://www.mercurynews.com/mld/mercurynews/business/12492489.htm>>

**Dyesol Ltd Listing 8-29-05**

Dyesol Ltd is listing on the Australian Stock Exchange, after raising more than \$2.5 million from shareholders. Story at: <<http://www.smh.com.au/news/Business/Dyesol-prepares-for-market-debut/2005/08/28/1125167543651.html>>

**SunPower Filing 8-26-05**

SunPower Corporation announced it has filed with the Securities and Exchange Commission a registration statement relating to the proposed initial public offering of shares of its class A common stock. The filing provides for an offering of up to \$100 million of common stock, plus an option granted to the underwriters to purchase up to an additional \$15 million to cover over-allotments, if any. Press at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO356.htm>>  
SunPower: <<http://www.sunpowercorp.com/html/>>

**Emcore Satellite PV Order 8-26-05**

Emcore is to make solar panels for a major satellite manufacturer under a contract valued at \$8 million. Per this article, the contract win means that Emcore will now resume production at its solar panel facility in the City of Industry, California. Press at: <<http://www.compoundsemiconductor.net/articles/news/9/8/25/1>>  
Emcore: <<http://www.emcore.com/product/photovoltaic.php>>

**RenewableNJ [Chuck Feinberg] 8-25-05**

Homeland Energy Resources Development, Inc. and ECI International Inc. announced the formation of a Joint Venture company, Renewable New Jersey, LLC (RenewableNJ), the latest in a series of state-specific companies established by these partners devoted to the development of on-site Clean Power Systems (SM) utilizing clean and renewable energy. As a project development company with no ties to particular vendors or technologies, RenewableNJ independently works with clients to determine the most appropriate options for cost-, energy- and environment-saving on-site power generation, then will finance, design, install, own, operate, and maintain the systems while selling the power back to the host facility. Press release from Chuck Feinberg, [cfeinberg@homeland-energy.com](mailto:cfeinberg@homeland-energy.com)  
Homeland Energy: <<http://www.homeland-energy.com/>>

**Silicon Wafer Provider 8-25-05**

Per this press, Sino-American Silicon Products, a Taiwan-based silicon wafer provider, may raise its capital expenditure for 2006 and purchase 200 solar pullers in 2006 instead of the originally planned 160, as demand for solar cell wafers continue to rise. Story at: <[http://www.digitimes.com/bits\\_chips/a20050825A7036.html](http://www.digitimes.com/bits_chips/a20050825A7036.html)>

**Senator Lamar Alexander's Visit to Sharp 8-25-05**

Sharp Electronics Corporation welcomed Senator Lamar Alexander to its solar manufacturing facility at Sharp Manufacturing Company of America in Memphis to applaud his hard work spearheading solar provisions included in the new energy bill. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO268.htm>>  
Other press: <<http://memphis.bizjournals.com/memphis/stories/2005/08/22/daily17.html>>  
<[http://www.rednova.com/news/display/?id=219248&source=r\\_science](http://www.rednova.com/news/display/?id=219248&source=r_science)>  
Sharp: <<http://solar.sharppusa.com/solar/home/0,2462,,00.html>>

**Carmanah's New Director 8-24-05**

Carmanah Technologies Corporation announced that, further to the acquisition of Soltek Powersource Ltd, the company has appointed Soltek's founder, Mr. Dave Egles, to the Board of Directors and as Senior Vice President, Business Strategy. Story at:



<[http://www.ecoreporter.de/index.php?action=,123,,,121,,,119\\_n14046](http://www.ecoreporter.de/index.php?action=,123,,,121,,,119_n14046) >  
Carmanah: <<http://www.carmanah.com/>>

**Solarcentury Solar Lighting 8-24-05**

Solarcentury announced that 250 streetsmart® systems, solar-powered lighting systems for street furniture, are to be installed in a major European city in partnership with JCDecaux. Press at: <<http://www.solarcentury.co.uk/news/newsitem.jsp?newsid=422>>

**Konarka's Environmental Expert Advisor 8-24-05**

Konarka Technologies announced that Walter Rosenberg joined the company as an advisor. Rosenberg will offer proactive guidance to Konarka's senior management team regarding health, safety and environmental sustainability strategy development. Press at: <[http://www.konarkatech.com/news\\_and\\_events/press\\_releases/2005/8\\_august/0815\\_rosenberg.php](http://www.konarkatech.com/news_and_events/press_releases/2005/8_august/0815_rosenberg.php)>

**Kyocera's Dirt-Free Module 8-24-05**

Kyocera Corporation announced that the Solar Energy Operation is releasing the Dirt-Free Module, which more easily sheds airborne dust and dirt and thereby stays cleaner than traditional modules. The product is scheduled to be released in Japan in September. Press at: <<http://global.kyocera.com/news/2005/0801.html>>

**Sustainable Energy Technologies Proceeds 8-23-05**

Sustainable Energy Technologies, Ltd announced that its subsidiary STG Markets Limited Partnership agreed to sell 125 Limited Partnership Units for gross proceeds of \$1,250,000. The issue, which was priced in early July, is fully subscribed. The net proceeds of the issue will be used for marketing Sustainable Energy's SUNERGY line of solar inverters in Europe, focusing on Spain and Germany, and to increase working capital reserves. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO355.htm>>  
Sustainable Energy Technologies: <<http://www.sustainableenergy.com/SET-home/index.html>>

**Mitsubishi Electric Inverters 8-22-05**

Mitsubishi Electric said it will release two new inverter models for residential solar power systems on December 20. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsASPT37.htm>>  
Mitsubishi Electric: <<http://www.mitsubishielectric.com/>>

**Kyocera Solar Modules 8-22-05**

Kyocera Solar, Inc. is expanding the application of its newest and most efficient solar cell technology to its line of Kyocera PV modules. The new cells, which will incorporate Kyocera's "d.Blue" technology, raise the power output of every module in Kyocera's module line without affecting the physical size of the modules. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT119.htm>>  
Kyocera: <<http://www.kyocerasolar.com/>>  
Kyocera "d.Blue": <<http://www.kyocerasolar.com/products/ksimodule.html>>

**Solar Panel Industry, Washington 8-22-05**

According to this press, at least 4 companies in the solar manufacturing business are considering building or expanding facilities in the state of Washington. Story at: <<http://msnbc.msn.com/id/9038299/>>

**XsunX Production System 8-18-05**

XsunX, Inc. announced that as part of its Phase III development plan the company has begun the design and engineering of an integrated mass production system for the manufacture of its proprietary Power Glass™ thin film transparent solar cell. XsunX plans to integrate its reel-to-reel manufacturing technology into the production system allowing the use of rolls of polyesters in the manufacture of its transparent solar cells. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b80E2C700-2044-4D18-8295-B0F5AF5498AD%7d&siteid=mktw&dist=nbk&symb=>>>  
XsunX: <<http://www.xsunx.com/>>

**SOLON AG First Half Revenues 8-18-05**

SOLON Group doubled its revenue in the first half of 2005, compared to the first half of 2004, according to its interim financial statement. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUCO201.htm>>

SOLON AG: <<http://www.solonag.de/>>

**Northern Power O&M Service 8-17-05**

Northern Power Systems announced that it now offers comprehensive operations and maintenance services for commercial and industrial owners of distributed generation and remote power systems. The newly established Northern Power Services division is currently providing O&M service on 18 MW of distributed generation and remote power systems. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=asqlhKBsh5Ef?id=35488>>

Northern Power Systems: <<http://www.northernpower.com/>>

**GlobeTel Communications Shareholders Meeting 8-17-05**

Per this press on the GlobeTel Communications shareholders meeting, Robert Jones of Sanswire Networks LLC, a wholly owned, privately held subsidiary of GlobeTel Communications Group discussed advances in composite materials used in the Stratellite™'s frame, and other technologies that will be used in the "Technology Demonstrator". Jones discussed letters of intent and agreements in progress with several German consortiums and companies. Sanswire is also in discussions with The Center for Solar Energy and Hydrogen Research. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7387322&ResultCategoryType=2,7&NewsPageID=3>>

Sanswire Networks, LLC:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Esanswire%2Ecom&template=2,2>>

Stratellite™:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Esanswire%2Ecom&template=2,2>>

**Carmanah Technologies Contracts 8-17-05**

Carmanah Technologies announced that the company has been awarded two additional Standing Offer Contracts with the Canadian Coast Guard for the purchase of the company's self-contained, solar LED marine lights and related accessories. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7407037&ResultCategoryType=2,7&NewsPageID=3>>

Carmanah:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7407037&ResultCategoryType=2,7&NewsPageID=3>>

**Centrotec IPO Plans 8-17-05**

Centrotec Sustainable AG said it plans to bundle its solar activities into a subsidiary that it hopes will float in Spring 2006 on the Prime Standard segment of the Frankfurt Stock Exchange. The new subsidiary will be called Centrosolar AG and will include Centrotec's solar mounting systems and its 70% share in a recently established solar module joint venture. Story at:

<<http://www.forbes.com/markets/feeds/afx/2005/08/16/afx2182109.html>>

Centrotec Sustainable AG: <<http://www.centrotec.de/>>

Previous press on Module Assembly Joint Venture:

<<http://www.solarbuzz.com/News/NewsEUMA74.htm>>

Solar Roof: <[http://www.centrotec.de/englisch/03\\_products/](http://www.centrotec.de/englisch/03_products/)>

**Spire Corporation Quarter Results 8-16-05**

Spire Corporation reported 2<sup>nd</sup> quarter 2005 results. Said Roger G. Little, Chairman and CEO, "Highlights for the quarter included significant increases in our solar equipment and solar systems revenues reflecting the sale of two photovoltaic module assembly lines and the completion of a major solar installation in the Chicago area".

Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7581A0AA-A537-4763-8C09-CEFOFBB6F4F8%7d&siteid=mktw&dist=nbk&symb=>>>

Examples of other press:

<<http://www.canada.com/national/nationalpost/news/story.html?id=1e090108-beb3-4d0e-998f-f3a614a178b7>>

Spire: <<http://www.spirecorp.com/>>

Spire Solar: <<http://www.spiresolar.com/index.html>>

#### **More on XsunX R&D Capabilities 8-15-05**

XsunX announced plans to expand R&D capabilities through the addition of new laser development equipment, as part of the company's ongoing effort to commercialize its Power Glass™ technology. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35241>>

XsunX: <<http://www.xsunx.com/>>

#### **More on Solar Direct and TCT Solar Solutions 8-12-05**

A new commercial solution named "Azteca" will link Solar Direct's engineering expertise with TCT Solar's PogresivTube technology, and with this joint venture, the two companies aim to make solar water heating more accessible to large-scale commercial and industrial projects. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aCOKS1vNHQ3?id=35350>>

Previous press:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=35273>>

TCT Solar: <<http://www.tctsolar.com/>>

Solar Direct: <<http://www.solardirect.com/>>

#### **UniSource Plans for Global Solar 8-12-05**

Per this article, UniSource is seeking to sell Global Solar. UniSource expects to review initial bids for the firm by early next month. Story through Solarbuzz

<<http://www.solarbuzz.com/News/Corporate.asp>> at:

<<http://www.dailystar.com/dailystar/allheadlines/87991.php>>

Global Solar: <<http://www.globalsolar.com/>>

UniSource: <<http://www.unisourceenergy.com/>>

#### **Nationwide Solar Funding 8-12-05**

Direct mortgage lender Nationwide Mortgage has established a division exclusively for solar and renewable energy project funding. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aT0X5UzAM0o-?id=35330>>

Nationwide Solar Funding: <<http://www.nationwidesolarfunding.com/>>

#### **GT Equipment Contract with Chinese 8-11-05**

GT Equipment Technologies, Inc. has entered into over a \$33 million agreement with LDK Solar Hi-Tech Co., Ltd. of Jiangxi, China to create a nearly 75-MW wafer fabrication turnkey line for solar energy applications. The line is being produced by GT

Equipment Technologies' solar division - GT Solar Technologies. Stories at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASMA52.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35313>>

GT Solar Technologies: <<http://www.gtsolar.com/>>

#### **Solar Water Heating Solution 8-10-05**

Solar Direct and TCT Solar announced they are jointly developing and planning to offer a new commercial solution, "code-named 'Azteca'" that will help pave the way for volume purchases of solar water heating solutions. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7191273&ResultCategoryType=2,7&NewsPageID=3>>

Solar Direct:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2ESolarDirect%2Ecom&template=2,2>>

TCT Solar:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2ETCTSolar%2Ecom&template=2,2>>

#### **Solar Hot Water Systems 8-10-05**

Among the solar hot water product offerings from China is one from Beijing Sunda Solar Energy Technology, displayed at the 2005 Solar World Congress. For information, see RenewableEnergyAccess at:

<<http://renewableenergyaccess.com/rea/news/productstory?id=35255>

#### **GreenShift Investment in RECs 8-10-05**

New Jersey-based GreenShift Corp. announced major investments in Sterling Planet, brokers of renewable energy certificates. For more on the deal, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aJR2g4pXEj56?id=35268>>  
GreenShift: <<http://www.greenshift.com/>>

Sterling Planet: <<http://www.sterlingplanet.com/>>

#### **Energy Investment Co. in Shanghai 8-10-05**

Shanghai New Energy Investment Co., Ltd. was inaugurated in Shanghai. The venture's business will cover renewable energy, clean energy, and bio-energy, as well as resource utilization and development of energy savings and related technologies. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7158850&ResultCategoryType=2,7&NewsPageID=3>>

#### **Evergreen Solar Quarter Results and Activities 8-10-05**

Evergreen Solar has released financial results for the quarter ended 2 July 2005. Details, and information on current and planned activities, at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAC0343.htm>>

Evergreen Solar: <<http://www.evergreensolar.com/egsolar1/index.html>>

#### **Sanyo PV Module 8-9-05**

The latest in a line of PV modules from Sanyo designed specifically for the U.S. market, the HIP-195BA3, uses Sanyo's HIT solar cell technology. Information at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/productstory?id=35178>>

Sanyo: <<http://www.sanyo.com/industrial/solar/>>

#### **Sunways Growth 8-9-05**

Per Management Board member Roland Burkhardt, "Despite the scheduled start-up costs for the establishment of our new production plant, Sunways Production GmbH in Arnstadt/Thuringia, the company's continued positive development is ensured." Production capacities are fully utilized. Incoming orders exceed current capacities. Press at:

<[http://www.huginonline.com/plsql/try/pressreleases.queryview?P\\_IDENTIFIER=1005356&Z\\_C\\_HK=32060&p\\_la=5&p\\_web=5](http://www.huginonline.com/plsql/try/pressreleases.queryview?P_IDENTIFIER=1005356&Z_C_HK=32060&p_la=5&p_web=5)>

Sunways: <<http://www.sunways.de/de/>>

#### **SOLON and Q-Cells Agreement 8-9-05**

SOLON AG has signed a 5-year agreement with Q-Cells AG for the purchase of solar cells. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newseuco198.htm>>

SOLON AG: <<http://www.solonag.de/>>

Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>

#### **Conergy Sales Surge 8-9-05**

Conergy increased sales for the second quarter by 88% and the company said it should reach a 500 million Euro target in 2005. Story at:

<[http://today.reuters.com/business/newsarticle.aspx?type=ousiv&storyID=2005-08-09T062352Z\\_01\\_N09373559\\_RTRIDST\\_0\\_BUSINESSPRO-MANUFACTURING-CONERGY-DC.XML](http://today.reuters.com/business/newsarticle.aspx?type=ousiv&storyID=2005-08-09T062352Z_01_N09373559_RTRIDST_0_BUSINESSPRO-MANUFACTURING-CONERGY-DC.XML)>

Conergy AG: <<http://www.conergy.com/>>

Additional Conergy News:

<[http://www.forbes.com/home\\_asia/feeds/afx/2005/08/09/afx2175965.html](http://www.forbes.com/home_asia/feeds/afx/2005/08/09/afx2175965.html)>

#### **Princeton Power Solar Pumping Power Converter 8-9-05**

Princeton Power Systems has delivered a prototype power converter that has been integrated into solar pumps under a subcontract from WorldWater & Power Corp. Story

at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bA1B74A05-91D7-4353-AB57-781A73B0A2F1%7d&siteid=mktw&dist=nbk&symp=>>

Princeton Power Systems: <<http://www.princetonpower.com/>>

WorldWater & Power Corp: <<http://www.worldwater.com/>>

#### **University of Toledo Business Incubator 8-8-05**

Dan Johnson, president of The University of Toledo initiated plans several years ago to establish a Toledo Science and Technology Corridor. The first major step for the corridor is establishing the Toledo Alternative Energy Incubation Center, which will be primarily, but not exclusively, focused on alternative energy technology spin-off companies from UT and other area universities. Press at:

<[http://www.rednova.com/news/display/?id=200174&source=r\\_science](http://www.rednova.com/news/display/?id=200174&source=r_science)>

#### **Dyesol Plans 8-8-05**

For stories on Dyesol, which has established headquarters and manufacturing operations at Queanbeyan, near Canberra, Australia, see:

<<http://au.news.yahoo.com/050807/3/vene.html>> and (through Solarbuzz)

<[http://www.theadvertiser.news.com.au/common/story\\_page/0,5936,16185044%5E913,00.html](http://www.theadvertiser.news.com.au/common/story_page/0,5936,16185044%5E913,00.html)>

. Per the article, Dyesol expects to list on the Australian Stock Exchange and is seeking to raise A\$3.5 million under its initial public offer. Proceeds from the capital raising will be used partly for Australian and international marketing of the Dyesol solar cell technology.

Dyesol: <<http://www.dyesol.com/index.php>>

#### **Barnabus Energy MOU with Solar Roofing Systems, Inc. 8-8-05**

Barnabus Energy, Inc. announced it has signed a Memorandum of Understanding to acquire 20% of Solar Roofing Systems, Inc. with right of first refusal to further acquire a majority interest in the Company. Press at:

<<http://press.arrivenet.com/bus/article.php/679176.html>>

Barnabus Energy Inc.: <<http://www.barnabusenergy.com/>>

Barnabus press: <<http://www.barnabusenergy.com/en/news/release.asp?numb=151>>

Solar Roofing Systems Inc.: <<http://www.solarsave.com/>>

#### **More on Solar-Fabrik Acquisition of GEWD 8-4-05**

Solar-Fabrik AG has acquired 100% of Global Expertise Wafer Division Ltd (GEWD).

According to spokesperson Martin Schlenk, by purchasing GEWD, Solar-Fabrik is expected to double its production of solar wafers, exceeding 30 MW for 2006. Press at:

<[http://www.nst.com.my/Current\\_News/BT/Thursday/Corporate/20050804003342/Article/](http://www.nst.com.my/Current_News/BT/Thursday/Corporate/20050804003342/Article/)>

Solar-Fabrik: <<http://www.solar-fabrik.de/eng/1.htm>>

#### **GT Equipment Technologies Research Grants 8-4-05**

GT Equipment Technologies announced that the company has won 3 technical grants from the U.S. Government totaling nearly \$1 million. Two of the grants have been awarded under the SBIR Program, and one under the STTR Program. One SBIR grant will focus on a novel low-cost process for production of crystalline silicon for wafers, and the other SBIR grant will investigate the production of silicon wafers for solar cells directly from metallurgical grade silicon material. The STTR grant will be a joint research project with the University of New Hampshire to develop a new, more efficient and cost effective atmospheric plasma CVD process for producing the coatings used in the manufacture of solar cells and other processes. More at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=35032>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAC0344.htm>>

GT Equipment: <<http://www.gtequipment.com/>>

#### **Tyntek Solar Panels 8-3-05**

Per this article, Tyntek currently has an annual capacity of 10 million solar panels, and the company aims to increase its capacity to 20 million units by the end of 2006. Tyntek began volume shipments of solar panels in March 2005. For more on the company's revenue growth, see the article at:

<<http://www.digitimes.com/displays/a20050802A7036.html>>

#### **Nanergy Inc. Executive 8-3-05**

Nanergy Inc. announced that Dr. Zoltan Kiss has been appointed President, Chief Executive Officer and Chairman of the Board of Directors. Press at: <<http://biz.yahoo.com/bw/050803/35477.html?.v=1>>  
Nanergy: <<http://www.nanergyinc.com/>>

#### **Evergreen Solar Results 8-2-05**

Evergreen Solar, Inc. announced financial results for the quarter ended July 2. Said President and Chief Executive Officer Richard M. Feldt, "During the second quarter, Evergreen Solar continued to execute on plan as the Company delivered solid financial results and made significant progress with its EverQ venture." Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bF38E56F5-8FB8-4A2D-B185-B2F5F2122930%7d&siteid=mktw&dist=nbk&sybm=>>>  
Evergreen Solar: <<http://www.evergreensolar.com/egsolar1/index.html>>

#### **WorldWater & Power EVP and COO 8-2-05**

WorldWater & Power Corporation announced that James S. Brown, Vice President - Chief Financial Officer, has been promoted to Executive Vice President and Chief Operating Officer. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b16558535-03DE-4B34-8E8B-BE9F96CAE3C4%7d&siteid=mktw&dist=nbk&sybm=>>>  
WorldWater & Power: <<http://www.worldwater.com/>>

#### **XsunX Development Capabilities 8-2-05**

XsunX, Inc. announced that its Phase III development program is set to expand R&D capabilities through addition of new laser development equipment necessary in the development of key licensable manufacturing techniques. Said Arun Madan, Chairman of XsunX's Scientific Advisory Board, "We attempted to work with other facilities in this next stage of process development, but quickly determined that to ensure performance characteristics of our solar film, we needed to bring this phase of development in-house." Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b29835F33-ECE0-46CF-8D1D-1EF8F0CF1FB4%7d&siteid=mktw&dist=nbk&sybm=>>>  
XsunX: <<http://www.xsunx.com/>>

#### **Solar Charger 8-2-05**

PowerFilm® Solar, the solar division of Iowa Thin Film Technologies, Inc. announced the launch of its PowerFilm® AA Foldable Solar Charger that precision charges AA batteries. Press at: <<http://biz.yahoo.com/prnews/050802/cgtu003.html?.v=18>>  
PowerFilm® Solar: <<http://www.powerfilmsolar.com/>>

#### **Bekaert Architectural Window Film 8-1-05**

Bekaert released their spectrally selective Panorama® Hilite 70, specifically developed to meet the daylighting and solar control needs of architectural properties. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bFE1DA814-5CE5-4336-98C8-92BBA2BCE1E8%7d&siteid=mktw&dist=nbk&sybm=>>>  
Bekaert: <<http://www.bekaertfilms.com/>>

#### **SolarWorld Profits 8-1-05**

SolarWorld AG reported first half 2005 profits of 18.5 million EUR. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUC0197.htm>>  
SolarWorld AG: <<http://www.solarworld.de/>>

#### **Maycock on Board [Rick Lewandowski] 8-1-05**

Prism Solar Technologies, Inc. announced that Mr. Paul Maycock has joined the Board of Directors. Press from Direct Global Power at RenewableEnergyAccess: <[http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aG\\_dbm9Eu-Pe?id=34895](http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aG_dbm9Eu-Pe?id=34895)>  
<<http://www.directglobalpower.com/news.html>>



## Renewables Programs, Projects

### **London City Hall PV 8-30-05**

The London Development Agency has been awarded funding for a City Hall PV project under the Solar Photovoltaics Major Demonstration Programme. The PV system will be viewed from Tower Bridge and the Tower of London, and will be mounted onto the roof and fully integrated in a glass-glass system on the circular eyebrow shading using monocrystalline technology. Story at: <http://www.london-sel.co.uk/news/view.php?ArtID=1704>

### **Massachusetts Green Communities Initiative 8-30-05**

MassHousing, The Massachusetts Technology Collaborative, and The Enterprise Foundation are participants in an initiative that will make available \$209 million in incentives to build 1,000 new environmentally friendly "green" homes in Massachusetts. As part of this initiative, MTC will provide \$8.5 million in grants specifically for renewable energy technologies. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=35925>

Massachusetts Green Communities:

<http://www.greencommunitiesonline.org/massachusetts/>

### **MTC \$5 Million Program 8-30-05**

Massachusetts Technology Collaborative Executive Director Mitchell Adams unveiled a new \$5 million program from the state's Renewable Energy Trust to expand production and use of PV, wind, and micro-hydro technologies in Massachusetts. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=35931>

MTC: <http://www.mtpc.org/>

### **Renewables in Spain 8-29-05**

The Spanish government approved the 2005-2010 Renewable Energy Plan, which envisions renewable energy sources at 12% of total electricity generation in 2010. Story at: <http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7421763&ResultCategoryType=2,7&NewsPageID=3>

### **Million Solar Roofs Language, California 8-29-05**

Per this article in RenewableEnergyAccess, while the Million Solar Roofs Bill, SB 1, was passed by the Assembly Appropriations Committee, it includes some union provisions that have splintered its support. Story at:

[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aUwthZ\\_8xN1-?id=35838](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aUwthZ_8xN1-?id=35838)

Other press:

[http://www.bizjournals.com/losangeles/stories/2005/08/22/daily41.html?from\\_rss=1](http://www.bizjournals.com/losangeles/stories/2005/08/22/daily41.html?from_rss=1)

For more on progress with the bill, see updates at Environment California:

<http://www.environmentcalifornia.org/>

### **Million Solar Roofs Bill Passes Assembly Appropriations [Bernadette Del Chiaro] 8-26-05**

The Million Solar Roofs bill, SB 1, was passed by the Assembly Appropriations Committee, and now heads to the Assembly Floor for a vote some time before September 9<sup>th</sup>. Specific language was amended in the process. Press from Environment California:

<http://www.environmentcalifornia.org/>

Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAGO269.htm>

Other Press: <http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2005/08/26/BAG46ED6N31.DTL>

<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2005/08/26/BAG46ED6N31.DTL>

### **Chile in REEEP 8-25-05**

Chile's Minister of Economy and Energy and the Director of the National Commission on Energy announced that Chile has joined the international Renewable Energy and Energy Efficiency Partnership (REEEP). Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=ag8sAdpwB8w8?id=35748>

REEEP: <http://www.reeep.org/>

#### **More on Rooftop Solar Power in Shanghai 8-25-05**

If a proposed municipal government program in Shanghai becomes operational, 100,000 of the 6 million roofs in Shanghai will be used to produce solar energy for local residents. Story at: <[http://news.xinhuanet.com/english/2005-08/25/content\\_3400402.htm](http://news.xinhuanet.com/english/2005-08/25/content_3400402.htm)>

Related press: <[http://english.people.com.cn/200508/25/eng20050825\\_204614.html](http://english.people.com.cn/200508/25/eng20050825_204614.html)>

#### **Feed-in Tariff in Italy [Lorenzo Spadoni] 8-25-05**

At the end of July, the Italian Industry and Environment Ministers approved the Feed-In Tariff for PV energy systems. The law, called "Conto Energia", has been introduced in Italy for systems between 1 kWp and 1 MWp. Incentives will last for 20 years, and the tariffs are for years 2005-2006. See details in the press at:

<<http://prorinnovabili.blogspot.com/archive/2005/08/25/italy-feed-in-tariff-approved.html>>

More information: <<http://prorinnovabili.blogspot.com/archive/2005/08/10/conto-energia-in-gazzetta-ufficiale.html>>

Source <<http://www.prorinnovabili.org>>; email [prorinnovabili@gmail.com](mailto:prorinnovabili@gmail.com)

Other press:

<[http://news.yahoo.com/news?tmpl=story&u=/ap/20050825/ap\\_on\\_re\\_eu/italy\\_sunny\\_investment\\_2](http://news.yahoo.com/news?tmpl=story&u=/ap/20050825/ap_on_re_eu/italy_sunny_investment_2)>

#### **California, Million Solar Roofs Bill 8-24-05**

For information and updates on the Million Solar Roofs bill activity in California, visit Environment California at: <<http://www.environmentcalifornia.org/>>

#### **EMC Green Power in Georgia 8-23-05**

Georgia's renewable energy program, GreenPower EMC, added 11 new members bringing membership to 28 electric cooperatives. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bBE5E089C-F083-4F64-860C-86247F81D546%7d&siteid=mktw&dist=nbk&syml=>>

GreenPower EMC: <<http://www.greenpoweremc.com/>>

#### **State Energy Policy 8-22-05**

More than 20 states have passed or are considering passing clean energy policies. Progress on energy policy at the state level is covered in two policy papers released by state Public Interest Research Groups. See RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35629>>

#### **Renewables in the Philippines 8-22-05**

By 2013, the Philippines hopes to double its renewable energy capacity to 60%. Per the article, completion is expected of a solar utility power plant in Puerto Princesa City, with 25,000 solar panels covering 20 hectares. And, in Mindanao, at least 4 solar power projects are underway. See the story at Renewable Energy Access:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35628>>

#### **Renewable Energy Credits 8-19-05**

Ten government energy agencies and an Army base recently teamed up to buy renewable energy credits. Purchasing green tags helps to meet the goals outlined in the "Greening the Government Through Efficient Energy Management" initiative. Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35523>>

Greening the Government: <<http://ceq.eh.doe.gov/nepa/regs/eos/eo13123.html>>

#### **Connecticut Renewables and Distributed Generation (DG) 8-16-05**

HB 7501 requires electric companies and competitive suppliers to acquire 1% of their supply from DG in 2007, increasing to 4% by 2010. The Connecticut Department of Public Utility Control must complete a contested case by February 1, 2006 to specify the administrative process and specifications for this requirement. More details and links at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35437>>

#### **Pacific Gas and Electric Solar Schools 8-16-05**

Pacific Gas and Electric Company announced the first 10 schools selected to receive installation of a 1-kW solar generation system valued at \$20,000 each. PG&E also

announced the first 10 schools chosen to receive \$5,000 "Bright Ideas" grants for their innovative solar science projects. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR539.htm>>

PG&E: <<http://www.pge.com/>>

#### **Arizona's Renewable Energy Mandate 8-15-05**

Arizona state regulators voted to require that 15% of all electricity sold in Arizona by 2025 be generated from renewable sources. For the story through

RenewableEnergyAccess <<http://www.renewableenergyaccess.com/rea/news/story?id=35347>>

see: <<http://www.dailystar.com/dailystar/business/88181.php>>

#### **Vote for Change Renewable Energy Project 8-11-05**

Students at Orlo Vista School in Orlando, Florida have a new addition to their school grounds - a solar power system donated to the school in conjunction with the 2005 Solar World Congress. The Orlo Vista system is the first of 8 renewable energy projects to be installed around the U.S. with funding from a contingent of artists who participated in last year's Vote for Change concert tour. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=35288>>

Vote for Change: <<http://www.b-e-f.org/news/releases/102204.shtm>>

Bonneville Environmental Foundation: <<http://www.b-e-f.org/>>

#### **Connecticut Clean Energy Fund Proposals 8-10-05**

The Connecticut Clean Energy Fund announced it is accepting proposals for its new \$4 million Operational Demonstration Program. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aJR2g4pXEj56?id=35257>>

Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

#### **Oregon Solar 8-9-05**

Oregon has increased its solar incentives by passing a measure to create a 10-year \$3 per watt tax credit for residential systems with a cap of \$6,000. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAG0265.htm>>

#### **More on Rooftop Solar in Shanghai 8-8-05**

A government-funded project to turn the city's roofs into sites for solar energy production will soon be submitted for final approval. If the project becomes operational, 100,000 of the 6 million roofs in Shanghai will be used to supply solar energy. Story through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at:

<[http://www2.chinadaily.com.cn/english/doc/2005-08/08/content\\_467072.htm](http://www2.chinadaily.com.cn/english/doc/2005-08/08/content_467072.htm)>

#### **California, Roseville Electric Solar 8-8-05**

Per this article, Roseville Electric wants to require solar energy in some of the city's thousands of new homes as soon as next spring, ahead of a similar rule proposed by state legislators. Said Roseville Electric director Tom Habashi, "We're going to be shopping elements of the program with developers, the chamber of commerce and other stakeholders". Story at: <<http://msnbc.msn.com/id/8866600/>>

#### **Nevada Solar 8-8-05**

Nevada Power Co. and Sierra Pacific Power Co. announced they are taking applications for the third year of a statewide rebate program for solar installations. In the first 2 years of the program, the utilities quickly received more applications for rebates than they could fund. Stories at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAG0264.htm>> and

<[http://www.reviewjournal.com/lvrj\\_home/2005/Aug-05-Fri-2005/business/2782016.html](http://www.reviewjournal.com/lvrj_home/2005/Aug-05-Fri-2005/business/2782016.html)

SolarGenerations@: <<http://www.solargenerations.com/>>

#### **Texas Renewables 8-5-05**

Texas Governor Rick Perry signed a bill that will significantly increase the state's requirement for the use of renewable energy in its electric supply. Stories at:

<<http://www.fmlink.com/Home/News/news.cgi?catid=102&display=article&id=17917>>

<<http://www.ens-newswire.com/ens/aug2005/2005-08-04-09.asp#anchor5>>

<<http://www.sweetwaterreporter.com/articles/2005/08/04/news/news3.txt>>

**Pacific Gas and Electric Renewable Energy Resources 8-5-05**

Pacific Gas and Electric Company announced it has issued a Request for Offers to solicit renewable energy on behalf of its customers. This is the company's third renewable energy solicitation pursuant to California's RPS Program. Press at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=7126269&ResultCategoryType=2,7&NewsPageID=3>>  
Pacific Gas and Electric Company:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eepge%2Ecom%2Fnewsablesrfo&template=2,2>>

**Nevada Utilities Renewable Power 8-3-05**

Sierra Pacific Resources' two electric utilities filed a plan with regulators outlining how they intend to comply with a state law setting minimum use standards for renewable power. Per the article, to meet the mandate, the utilities intend to keep contracting with developers to build wind, solar, geothermal, and biomass projects rather than developing their own projects. Story through Solarbuzz at:  
<[http://www.reviewjournal.com/lvrj\\_home/2005/Aug-02-Tue-2005/business/2739233.html](http://www.reviewjournal.com/lvrj_home/2005/Aug-02-Tue-2005/business/2739233.html)>

**More on New York's Solar Energy Bills 8-3-05**

Governor George Pataki has signed into law two bills to promote the use of solar energy in New York State by offering homeowners tax incentives that would reduce the net cost of solar installations. Story at RenewableEnergyAccess:  
<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aUOSTiKc\\_5n9?id=34957](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aUOSTiKc_5n9?id=34957)>  
NYSERDA: <<http://www.powernaturally.org/>>

**New York Solar Energy Bill 8-2-05**

New legislation signed into law by Gov. Pataki is intended to promote the use of solar energy in New York state. For more on this new law, see Solarbuzz at:  
<<http://www.solarbuzz.com/News/NewsNAGO263.htm>> and  
<<http://buffalo.bizjournals.com/buffalo/stories/2005/08/01/daily13.html>>  
<<http://www.newsday.com/news/local/longisland/ny-liener0802,0,76060.story?coll=ny-linews-headlines>>

**KEMA's Contract from CEC 8-1-05**

KEMA announced it has won the prime contract from the California Energy Commission's Renewable Energy Program to provide technical support services to help build interest in and facilitate the development of renewable energy in the state. Story at:  
<[http://uaelp.pennnet.com/Articles/Article\\_Display.cfm?ARTICLE\\_ID=233527&p=22](http://uaelp.pennnet.com/Articles/Article_Display.cfm?ARTICLE_ID=233527&p=22)>  
KEMA: <<http://www.kema.com/>>

**Meetings, Gatherings, Conferences**

**National Green Power Marketing Conference 8-31-05**

The Tenth National Green Power Marketing Conference is set for 24-26 October in Austin, Texas. Texas. For information see:  
<<http://www.eere.energy.gov/greenpower/conference/>>

**Annual Boulder Tour of Solar and Green Built Homes, Colorado 8-29-05**

The annual Boulder Tour of Solar and Green Built Homes will be held in Boulder County 24 September to 2 October, sponsored by the Center for ReSource Conservation. Story at: <[http://www.rednova.com/news/display?id=222746&source=r\\_science](http://www.rednova.com/news/display?id=222746&source=r_science)>  
Center for ReSource Conservation: <<http://www.conservationcenter.org/>>  
Related Story: The three owners of Namaste Solar Electric Inc. in Boulder hope that rising fuel costs, Amendment 37, and Boulder's penchant for environmental causes will grow their renewable energy business. Per the article, Namaste's best-selling systems cost about \$20,000 before rebate and can provide 75 to 100 percent of the electricity for a mid-size house. Story at:  
<[http://www.rednova.com/news/science/222745/firm\\_expects\\_solar\\_market\\_to\\_heat\\_up/](http://www.rednova.com/news/science/222745/firm_expects_solar_market_to_heat_up/)>  
Namaste Solar: <<http://www.namastesolar.com/>>

**Renewable Energy Trade Mission to Brazil 8-26-05**

The U.S. Commerce Department's Commercial Service is recruiting U.S. energy companies to participate in a renewable energies trade mission to Brazil, 17-19 October, 2005. For information, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/events/view?id=35801>>

**PV Med 8-26-05**

For information on the First Photovoltaic Mediterranean Conference, PV MED, 5 and 6 October in Catania, Sicily, see: <<http://www.pvmed.org/>>

**California Solar Center Solar Forum [Tor Allen] 8-25-05**

The agenda for the California Solar Center Solar Forum, 13 September 2005, is available at: <[http://www.californiasolarcenter.org/pdfs/forum/CSC-Solar\\_Forum-SantaClara\\_agenda.pdf](http://www.californiasolarcenter.org/pdfs/forum/CSC-Solar_Forum-SantaClara_agenda.pdf)>

Solar Forum Registration:

<[http://www.californiasolarcenter.org/reg\\_forumsept2005.html](http://www.californiasolarcenter.org/reg_forumsept2005.html)>

California Solar Center: <<http://www.californiasolarcenter.org/index.html>>

**Solar Power 2005, 5-9 October 2005 8-22-05**

"Strategies for U.S. Market Growth" will be the theme of Solar Power 2005. At the conference, presented by the Solar Electric Power Association and the Solar Energy Industries Association, industry leaders will offer their perspectives on policy developments and prospects for a robust U.S. solar industry. The conference is timed to coincide with DOE's 2005 Solar Decathlon. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO267.htm>>

Solar Power 2005: <<http://www.solarpowerconference.com/>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

Story on Carnegie Mellon Solar-powered House: <<http://www.post-gazette.com/pg/05234/557746.stm>>

**International Conference on Renewables 8-18-05**

From 7-8 November, Beijing is hosting the "2005 Beijing International Renewables Conference". Information at: <<http://www.birec2005.cn/>>

**IBEW Speaker at Solar Power 2005 [Julia Judd] 8-15-05**

Ed Hill, president of the International Brotherhood of Electrical Workers (IBEW), has been confirmed as a keynote speaker for Solar Power 2005 in Washington, DC, October 5 - 9. IBEW represents approximately 750,000 members who work in a wide variety of fields, including utilities, construction, telecommunications, broadcasting, manufacturing, railroads and government. With the current SB1 license requirement and prevailing wage issues, Mr. Hill's comments should be of particular interest to Solar Power 2005 attendees. For more on Solar Power 2005, see:

<<http://www.solarpowerconference.com/>>

**Power-Gen Conference 8-12-05**

For information on Power-Gen Renewable Energy, 10-12 April, 2006 in Las Vegas, Nevada, visit: <<http://pgre06.events.pennnet.com/content.cfm?NavId=2972&Language=Engl>>

**SolFest 8-12-05**

This weekend, the Real Goods Solar Living Center in Hopland, California will be the site of the 10<sup>th</sup> annual SolFest celebration. Story at:

<<http://www.ukiahdailyjournal.com/Stories/0,1413,91~3085~3007460,00.html>>

SolFest: <<http://www.solarliving.org/solfest2005.cfm>>

**Renewables Finance 2005 8-10-05**

For information on Renewables Finance 2005, set for 7-9 September 2005 in Wakefield, Massachusetts, see: <<http://www.pmaconference.com/RenewablesFinanceSept7.05.pdf>>

### **2005 Solar World Congress 8-8-05**

The 2005 Solar World Congress is underway in Orlando, Florida. For coverage, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35173>>

Product News: <<http://www.renewableenergyaccess.com/rea/news/products>>

2005 Solar World Congress: <<http://www.swc2005.org/>>

### **Solar Power 2005**

For information on Solar Power 2005, set for 5-9 October 2005 at the Hyatt Regency Capitol Hill, see: <<http://www.solarpowerconference.com/>>

### **2005 Solar World Conference [Paul Notari] 8-4-05**

The 2005 Solar World Conference - sponsored by the International Solar Energy Society and the American Solar Energy Society, will take place in Orlando, Florida 6-12 August 2005. For more on the conference, see: <<http://www.swc2005.org/>> and

<<http://www.renewableenergyaccess.com/rea/events/view?id=2548>>

ISES: <<http://www.ises.org/ises.nsf!Open>>

ASES: <<http://www.ases.org/>>

## **U.S. Congress In Action**

### **U.S. Energy Policy Bill - Under Secretary for Science 8-10-05**

The Energy Policy Act of 2005, signed by President Bush August 8, creates a new Under Secretary for Science. See page 343 (347 in the pdf) in the conference report for responsibilities.

<[http://frwebgate.access.gpo.gov/cgi-](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_reports&docid=f:hr190.109.pdf)

[bin/getdoc.cgi?dbname=109\\_cong\\_reports&docid=f:hr190.109.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_reports&docid=f:hr190.109.pdf)>

### **U.S. Energy Bill 8-8-05**

President Bush will sign the Energy Policy Act of 2005 into law today at Sandia National Laboratories In Albuquerque, New Mexico. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35169>>

### **U.S., Comprehensive Energy Bill 8-3-05**

Senator Pete Domenici announced that President Bush will sign the Energy Policy Act of 2005 at Sandia National Laboratories, Albuquerque, New Mexico on August 8.

Senate Press:

<[http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease\\_id=234744&Month=8&Year=2005](http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease_id=234744&Month=8&Year=2005)>

### **Comprehensive Energy Bill 8-1-05**

The Senate and House have both approved the comprehensive energy bill. Coverage of the new bill is extensive. For examples of press, see:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=ai72boX\\_Rwf7?id=34850](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=ai72boX_Rwf7?id=34850)>

<<http://www.seia.org/>>

<<http://www.timesleader.com/mld/timesleader/business/12262335.htm>>

<<http://www.kcchronicle.com/BusinessSection/deibel/328829910199340.php>>

<<http://www.detnews.com/2005/business/0507/31/biz-263904.htm>>

<[http://seattletimes.nwsourc.com/html/business/2002410550\\_renewenergy30.html?syndication=rss](http://seattletimes.nwsourc.com/html/business/2002410550_renewenergy30.html?syndication=rss)>

## **Reports, Publications, Statements**

### **Achieving a New Energy Future 8-31-05**

For coverage of the report, "Achieving a New Energy Future: How States Can Lead America to a Clean, Sustainable Economy", see ReFocus at:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=39687747&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=39687747&accnum=1&topics=>)

Report: <<http://www.texpirg.org/reports/achievinganewenergyfuture.pdf>>

### **Million Solar Roofs Support [Bernadette Del Chiaro] 8-30-05**

With a 15-foot power cord pointing toward the sun, and a banner that reads "Plug Into The Sun", Pass SB 1", Environment California is touring cities across California in



support of the Million Solar Roofs bill. Updates at Environment California:  
<<http://www.environmentcalifornia.org/>>

**Polymers in Electronics 8-26-05**

Plastic electronics, based on conductive polymers and flexible substrates, are expected to change the face of the electronics industry, according to a report by NanoMarkets. Press at:  
<[http://www.rednova.com/news/display/?id=220710&source=r\\_science](http://www.rednova.com/news/display/?id=220710&source=r_science)>

**DayStar on Silicon Shortage 8-26-05**

For the article "Silicon Replacement Needed for Solar PV Manufacturing", highlighting DayStar's solution, see Red Nova (referencing Power Engineering) at:  
<[http://www.rednova.com/news/display/?id=220667&source=r\\_technology](http://www.rednova.com/news/display/?id=220667&source=r_technology)>  
DayStar Technologies: <[http://www.daystartech.com/daystar\\_technologies.cfm](http://www.daystartech.com/daystar_technologies.cfm)>

**Venture Capital Report 8-25-05**

Research Reports International is offering the 5<sup>th</sup> edition of its 190-page Venture Capital in the Energy Industry report. Information at:  
<[http://www.researchreportsintl.com/products/product.cfm?report\\_ID=64](http://www.researchreportsintl.com/products/product.cfm?report_ID=64)>

**More on Concentrator PV Technologies [Robert McConnell] 8-25-05**

After more than 3 decades of exploring a variety of ways to concentrate sunlight onto solar cells with mirrors or lenses, concentrator PV (CPV) technologies are entering the market - a market for 100 kW systems and larger. The authors of this article report on recent market prospects and new record CPV cell efficiencies that portend the emergence of CPV systems in the next 2-5 years. See #20 at ReFocus:  
<[http://www.sciencedirect.com/science?ob=IssueURL&tockey=%23TOC%2311464%232005%23999939995%23603116%23FLA%23&auth=y&view=c&acct=C000056948&version=1&urlVersion=0&use\\_rid=2332888&md5=33592b18a19bc11021fdb21c91fa15b0](http://www.sciencedirect.com/science?ob=IssueURL&tockey=%23TOC%2311464%232005%23999939995%23603116%23FLA%23&auth=y&view=c&acct=C000056948&version=1&urlVersion=0&use_rid=2332888&md5=33592b18a19bc11021fdb21c91fa15b0)>

**PV Activities in Japan [RTS Corporation] 8-25-05**

According to the recent issue of PV Activities in Japan [subscription], ministries and agencies presented their action plans for "independent from oil strategy" at the Ministerial Council of Comprehensive Energy Measures, with efforts addressing independence from carbon-based energy, dissemination of multi-millions of PV-powered households, and global-scale dissemination of solar energy. This, and much more information on government and industry activities at PV Activities in Japan, Osamu Ikki, RTS Corporation, Tokyo, email: [ikki@rts-pv.com](mailto:ikki@rts-pv.com), tel +81-3-3551-6345.

**DayStar On Gigawatt-Scale Production of Solar Cells 8-25-05**

DayStar Technologies, Inc. posted a copy of its white paper on how CIGS solar cell technology on flexible metal substrates can be an alternative to silicon-wafer-based solar cells, and how CIGS technology can be scaled up to large factory production volumes because of advantages in capital cost, manufacturing throughput, and yield. The authors call for vertical integration of production operations, examining a "solar city" concept that integrates each element of the supply chain in a single factor setting. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b580FD89E-99FB-483C-9D87-6595C7A795E8%7d&siteid=mktw&dist=nbk&symb=>>>  
DayStar paper: <<http://www.daystartech.com/gigawatt/>>

**Million Solar Roofs White Paper 8-25-05**

A white paper titled "The Economics of Solar Energy for California" was released showing that the Million Solar Roofs Initiative will save California over \$6 billion net of incentives. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=ag8sAdpWB8w8?id=35767>>  
The paper is available at: <<http://www.akeena.net/about/whitepaper.htm>>

**Editorial on "Solar's Promise" 8-24-05**

For an editorial on "Solar's Promise" in the San Francisco Chronicle, see:  
<<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2005/08/24/EDGFREBJB31.DTL>>

**EERE Network News [Kevin Eber] 8-24-05**

For the latest issue of EERE Network News, with coverage of carbon nanotubes for solar cells, and Spain's plans for an 11-MW Solar Power Tower, see:  
<<http://www.eere.energy.gov/news/>>

**NanoMarkets White Paper on Printable Electronics Markets 8-23-05**

NanoMarkets announced the release of a white paper titled "A Roadmap for Printable Electronics" that examines the market opportunities and product timeframes for printable electronics. Press at:  
<<http://biz.yahoo.com/prnews/050823/dctu013.html?v=23>>  
NanoMarkets: <<http://www.nanomarkets.net/>>

**Michael Rogol's Second Sun Screen Report 8-22-05**

"Sun screen II - Investment Opportunities for the Solar Sector", is available at Photon International via the link: <[http://www.photon-magazine.com/news/news\\_2005-08\\_wv\\_med\\_feat\\_Sunscreen.htm](http://www.photon-magazine.com/news/news_2005-08_wv_med_feat_Sunscreen.htm)>. Per the new report, the solar power sector has had a very good year, with strong stock price appreciation driven by production growing from 1.15 GW to 1.5 GW. The report also promotes a strong conviction that well-positioned players are likely to see enormous growth through at least 2008, and likely 2010.

**IREC Newsletter [Jane Pulaski] 8-19-05**

For the latest issue of the Interstate Renewable Energy Council and DOE's Million Solar Roofs Newsletter, with coverage of schools going solar, interconnection/net metering, incentives and rebates, community outreach, training and certification, and other news, see: <<http://www.irecusa.org/commout/enewsletter.html>>  
IREC: <<http://irecusa.org/>>

**Call for Feed-in Tariffs 8-19-05**

"A feed-in tariff is at present the best support proposal for the PV Market", says the European Photovoltaic Industry Association in a position paper. Story at ReFocus: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=3475589&accnum=1&topics=](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=3475589&accnum=1&topics=)>  
Position Paper: <<http://www.epia.org/documents/FeedInTariffEPIA.pdf>>

**Earth & Sky Radio Series on Solar [Randy Ellingson] 8-18-05**

For a link to the Earth & Sky radio series, on the topics of "Solar Energy Technology Improving", and "Quantum Dots Aid Solar Energy Future", featuring NREL's Arthur Nozik, see: <<http://www.earthsky.org/shows/shows.php?t=20050817>>  
<<http://www.earthsky.org/shows/shows.php?t=20050818>>

**Full-page Ad on California's Million Solar Roofs Initiative [Bernadette Del Chiaro] 8-18-05**

As the deadline to pass California's Million Solar Roofs bill nears, solar power advocates stepped up their appeals to the California Assembly with a full-page ad urging passage of the nation's biggest solar bill, placed in the New York Times and hand-delivered to legislative offices. Press at:  
<[http://www.ems.org/nws/2005/08/17/full\\_page\\_ad\\_cal](http://www.ems.org/nws/2005/08/17/full_page_ad_cal)>  
Environment California:  
<<http://environmentcalifornia.org/enviocalifenergy.asp?id2=13512>>

**Energy Bill 8-17-05**

For the article "Time to Go Solar?" at Forbes, see:  
<[http://www.forbes.com/business/2005/08/17/energy-solar-taxes-cz\\_ae\\_0817beltway.html](http://www.forbes.com/business/2005/08/17/energy-solar-taxes-cz_ae_0817beltway.html)>. Per the article, "For anybody who has ever considered installing a solar system, Washington is telling you to do it now," says Rhone Resch, president of the Solar Energy Industries Association.

**More on Future of Solar Energy 8-17-05**

For the article "Quantum Dots and Smart Materials the Future of Solar Energy", covering the Basic Energy Sciences' solar energy workshop in April, see the Environment News Service at: <<http://www.ens-newswire.com/ens/aug2005/2005-08-16-01.asp>>.

Previous DOE Press Release:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18521&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18521&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

**Multijunction and Thin-Film PV 8-15-05**

For coverage of "Progress in Crystalline Multijunction and Thin-Film Photovoltaics", which reviews developments in PV for space and discusses future trends for next-generation solar cell materials development, see Red Nova (source Journal of Electronic Materials) at:

<[http://www.rednova.com/news/display/?id=207103&source=r\\_science](http://www.rednova.com/news/display/?id=207103&source=r_science)>

**PV Report for Investors 8-15-05**

See Paul Maycock's August 2005 PV News (subscription) for reference to a report on PV silicon requirements by Alain Ricaud, Cythelia. [PV News, Paul Maycock, [pves@pvenergy.com](mailto:pves@pvenergy.com)].

Cythelia Consultants:

<[http://www.jxj.com/suppands/renenerg/companypage.php/CPID\\_7230-258](http://www.jxj.com/suppands/renenerg/companypage.php/CPID_7230-258)>

**Press on DOE Office of Science Report on Solar Energy Research 8-15-05**

The Department of Energy's Office of Science has released a report describing the basic research needed to produce "revolutionary progress in bringing solar energy to its full potential in the energy marketplace." The report resulted from a workshop of 200 scientists held earlier this year. Said Dr. Raymond Orbach, Director of DOE's Office of Science, "This report demonstrates the important contribution the entire scientific community can make to the development of new sustainable energy resources." See the DOE press release and link to the report at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18521&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18521&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

**Renewable Energy in Western Utility Resource Plans 8-15-05**

Utility resource planning is now driven as much by economics as it is policy, and is spurring increased acceptance of renewable resources according to a recent report for western U.S. utility companies from Lawrence Berkeley National Laboratory. For "Balancing Cost and Risk: The Treatment of Renewable Energy in Western Utility Resource Plans", see the pdf file at:

<<http://eetd.lbl.gov/ea/ems/reports/58450.pdf>>

Story and links to presentation at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35400>>

**IREC Interconnection Newsletter [Rusty Haynes] 8-12-05**

The August 2005 "IREC Interconnection Newsletter" is now available at <<http://www.irecusa.org/connect/enewsletter.html>>. The newsletter covers state, national and international developments in interconnection standards and distributed generation, as well as relevant industry news, publications, people and events.

**Borrego Solar Website 8-12-05**

Borrego Solar Systems, Inc. has a new corporate website. For more information, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aT0X5UzAM0o-?id=35331>>

Borrego Solar:

<<http://www.borregosolar.com/>>

**Strategic Siting of Renewables, California 8-11-05**

A report for the California Energy Commission examines the strategic siting of new renewable energy facilities near transmission "hot spots" or congestion zones, which would improve transmission reliability while meeting the targets for renewables. The report, "Strategic Value Analysis for Integrating Renewable Technologies in Meeting Target Renewable Penetration in Support of the 2005 Integrated Energy Policy Report", was prepared by Davis Power Consultants, PowerWorld and Anthony Engineering.

Information and link to the report at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=84054202&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=84054202&accnum=1&topics=>)

### **Growth of Renewables 8-11-05**

RenewableEnergyStocks.com reports on factors driving the growth of renewables in "Moving Towards a Smart Energy Society - Consumer Driven Renewables Surge as Solar Technology Innovation Provides for Seamless Integration." Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=723287&ResultCategoryType=2,7&NewsPageID=3>>

RenewableEnergyStocks.com:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2ERenewableEnergyStocks%2Ecom&template=2,2>>

### **Rhone Resch on C-SPAN 8-11-05**

SEIA President Rhone Resch discusses solar power and the Federal energy bill on C-SPAN's "Washington Journal" 11 August. SEIA Media Advisory.

SEIA: <<http://www.seia.org/>>

### **Nanergy Briefing 8-11-05**

Nanergy Inc. announced that Dr. Zoltan Kiss, who will become President September 1, will brief investors on Nanergy's product development plans, patent status, schedule for availability of production prototypes, initial production, marketing thrust and financing during a call-in investor conference 15 August. Press at:

<<http://biz.yahoo.com/bw/050810/105269.html?.v=1>>

Nanergy: <<http://www.nanergyinc.com/>>

### **Utilities and the Energy Bill 8-10-05**

For the issue alert, "UtiliPoint® Attends Signing of Energy Bill - What Does it Mean for Utilities and Energy Companies", see:

<[http://www.utilipoint.com/issuealert/current\\_issuealert.asp](http://www.utilipoint.com/issuealert/current_issuealert.asp)>

### **EERE Network News [Kevin Eber] 8-10-05**

See the latest issue of EERE Network News for coverage of the Energy Policy Act - tax incentives, net metering, power production from renewable energy, and other areas, at:

<<http://www.eere.energy.gov/news/>>

### **DayStar Praises Energy Bill 8-9-05**

DayStar Technologies, Inc. praised the U.S. energy bill for providing the tax credits for business or residential purchases of PV equipment. Said Chairman and CEO Dr. John Tuttle, "Government support in the form of solar investment tax credits and other financial instruments in Europe and Asia have successfully led to strong industry growth and, in the case of Japan, a self-sustaining solar energy market as subsidy programs are phased out." Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bAE697225-8B8C-4AE6-8AAF-A0E3AF4BC93A%7d&siteid=mktw&dist=nbk&symb=>>>

DayStar Technologies: <<http://www.daystartech.com/>>

### **U.S. Energy Policy Bill 8-9-05**

For a statement by the Solar Energy Industries Association on the bill signing, see: <<http://www.seia.org/>>

Solarbuzz story: <<http://www.solarbuzz.com/news/newsnago266.htm>>

For President Bush's statement upon signing the Energy Bill, see:

<<http://www.whitehouse.gov/news/releases/2005/08/20050808-6.html>>

Story: <[http://www.whitehouse.gov/news/releases/2005/08/images/20050808-6\\_g8o1114-515h.html](http://www.whitehouse.gov/news/releases/2005/08/images/20050808-6_g8o1114-515h.html)>

More photos: <[http://news.search.yahoo.com/search/news?p=solar&adv=1&n=10&ei=UTF-8&c=news\\_photos](http://news.search.yahoo.com/search/news?p=solar&adv=1&n=10&ei=UTF-8&c=news_photos)>

### **"Getting the Million Solar Roofs Bill Right" 8-8-05**

For RenewableEnergyAccess' RE Insider's article, "Getting the Million Solar Roofs Bill Right", by David Hochschild, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35110>>

### **Solar Thermal Report [Amy Cole] 8-5-05**

This Research and Markets report, "Solar Thermal Power Edition 1 2005" describes the solar thermal technology for power generation and its development - solar collectors,

receivers, heat storage systems and energy conversion units - and outlines the various alternatives within each of these components. More on this report at:  
<<http://www.researchandmarkets.com/reports/c21993/>>

**IEA PV Power Systems Programme Survey [Thomas Nordman] 8-5-05**

Task 2 of the IEA PVPS is inviting participation in the first global economical survey. The survey includes information on investment and maintenance costs, as well as on power production and overall performance of PV installations. For the survey, click on "Survey" at: <<http://www.iea-pvps-task2.org/>>

**Solar Power Shines Brighter 8-5-05**

For the article "After Oil: Solar power shines brighter", see:  
<<http://www.msnbc.msn.com/id/7549531/>>

**PV Panel Shortage 8-5-05**

Per this article, American suppliers for the solar energy industry say that burgeoning demand both domestically and overseas, a weak dollar and shortages of raw material have created back orders of several months on photovoltaic panels. See the story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:  
<<http://www.nytimes.com/2005/08/05/national/05solar.html?ex=1123819200&en=5a61843858eb4271&ei=5040&partner=MOREOVERNEWS>>

**ISES Report 8-4-05**

"Renewable energy is not an end in itself; it is a way of providing energy services in a socially and environmentally sustainable way at least lifecycle costs", according to "Renewable Energy for Developing Countries" that is being released at the ISES World Solar Congress. Story at ReFocus:  
<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=7249088&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=7249088&accnum=1&topics=>)

**Research and Markets: Plastic Electronics 8-3-05**

Research and Markets announced the addition of "Plastic Electronics: The Opportunities" to their offering. Application areas discussed include displays, memory, logic/processors, solar panels, RFID tags, sensors and advanced lighting systems. More at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b5A04D1E4-59BF-4B4C-B0CA-39656C1ED470%7d&siteid=mktw&dist=nbk&symp=>>  
Research and Markets: <<http://www.researchandmarkets.com/reports/c21873/>>

**Hybrid Technologies Home 8-3-05**

Hybrid Technologies, Inc. and its subsidiary companies - R-Electric Car Co., Global Hybrid Corp., Solium Power Corp., and WhistlerTel - announced that the multi-national unveiling of the Hybrid Living Home generated much attention. For the latest media coverage of the Hybrid Living Home launch, see:  
<<http://www.hybridtechnologies.com/media.php?mediaID=050803>>  
Press coverage:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bBB760EA8-88F5-4B91-BCF0-67CA8030EFE6%7d&siteid=mktw&dist=nbk&symp=>>  
Hybrid Technologies: <<http://www.hybridtechnologies.com/>>

**"A Brighter Tomorrow" 8-2-05**

For RE Insider's "A Brighter Tomorrow" by Steve Westwell, President of BP Solar and Group Vice President, Gas, Power, and Renewables, BP plc, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a62hlt13x3Te?id=34908>>  
. Per the article, the foundations of tomorrow's solar industry have to be laid in the developed world - it is here, if anywhere, that the sector will gain the scale needed to become profitable.  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4320&contentId=7004540>>

**ATS Support for Net Zero Energy Home Initiative 8-1-05**

ATS Automation Tooling Systems Inc. announced its full support for the Canadian federal government's new net-zero energy home initiative. Press at:  
<[http://www.spheralsolar.com/a\\_assets/press-release/072005.htm](http://www.spheralsolar.com/a_assets/press-release/072005.htm)>

**Concentrator PV [Robert McConnell] 8-1-05**

To read "Concentrator Photovoltaic Activities, Review and Market Prospects" in ReFocus, see page 35 at:

<<http://redigitaleditions.com/activemagazine/welcome/rrf/rrf050801.asp>>

**Solicitations, RFPs, LOIs, etc. & Awards**

**Solid State Lighting Solicitation 8-31-05**

DOE announced a solicitation totaling about \$4 million for applied research into solid-state lighting technologies, which include light-emitting diodes, organic LEDs, and light-emitting polymers. For more on this solicitation, see EERE Network News [Kevin Eber] at: <<http://www.eere.energy.gov/news/#9322>>

**More on UK Solar Grants 8-31-05**

Eighteen projects will share over £ 1.5m in funding for solar energy facilities under the latest phase of the Government's Solar Photovoltaic Major Demonstration Programme. Story at: <<http://www.greenconsumerguide.com/index.php?news=2746>>

**Stanford Solar Grants 8-25-05**

Franklin M. Orr Jr., director of the Stanford University Global Climate and Energy Project, announced that 5 new research grants totaling more than \$11 million have been awarded to the Stanford faculty and collaborating researchers. The new programs will focus on solar energy, advanced combustion, and carbon capture and separation. See the list of projects, including solar, at:

<[http://www.eurekaalert.org/pub\\_releases/2005-08/su-gca081105.php](http://www.eurekaalert.org/pub_releases/2005-08/su-gca081105.php)>

**More on Solar Hydrogen 8-25-05**

Several Caltech and MIT chemists are participating in a research program called "Powering the Planet". The broadest goal of the project is to "pursue efficient, economical ways to store solar energy in the form of chemical bonds", according to the National Science Foundation. The NSF grant was announced August 11 as a means of funding a new group of chemical bonding centers. Story at:

<<http://www.azom.com/details.asp?newsID=3780>>

Caltech Press: <[http://pr.caltech.edu/media/Press\\_Releases/PR12731.html](http://pr.caltech.edu/media/Press_Releases/PR12731.html)>

NSF Grant: <<http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0533150>>

**Upcoming DOE Solicitation 8-23-05**

The Department of Energy expects to publish a Funding Opportunity Announcement for Phase I grant applications from qualified small businesses for the upcoming FY 2006 Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs. A detailed Funding Opportunity Announcement describing research areas in which applications are sought will be available beginning September 21, 2005, at <<http://e-center.doe.gov>>. Small businesses with strong research capabilities in science or engineering in any of the [research areas](#) sought, including renewable energy sources, are encouraged to apply. The deadline for submission of grant applications is December 2, 2005.

<<http://www.science.doe.gov/sbir/newweb/newsyoucanuse.htm>>

<<http://www.science.doe.gov/sbir/solicitations/FY%202006/06topiclist.htm>>

**Solar Cities, Australia 8-22-05**

The Murray Consortium has bid for a \$12 million Federal Government grant under the Solar Cities Program. The consortium's expression of interest is one of 21 submissions vying for part of \$75 million in funding under the Solar Cities Program. Press through Solarbuzz at:

<[http://www.bordermail.com.au/newsflow/pageitem?page\\_id=1027632](http://www.bordermail.com.au/newsflow/pageitem?page_id=1027632)>

Solar Cities: <<http://www.greenhouse.gov.au/solarcities/>>

**DayStar Award 8-18-05**

DayStar Technologies, Inc. has received an award of \$250,000 from the New York State Energy Research and Development Authority to develop energy-efficient processes to manufacture solar cells with the goal of reducing the cost of producing each solar cell. Per the press, DayStar is currently ramping up its proprietary manufacturing



process and believes that at full capacity it will produce solar cells at large volumes beyond 100 MW per plant. Press at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAC0354.htm>>

DayStar Technologies: <<http://www.daystartech.com/>>

NYSERDA: <<http://www.nyserda.org/>>

#### **Charles River Arc Solar Grant 8-17-05**

Charles River Arc announced it has received a grant of \$176,400 from the Massachusetts Technology Collaborative to design and install solar panels on the roof of its Paul D. Merritt Center. Work is expected to begin the fall of 2005. Story through Solarbuzz

<<http://www.solarbuzz.com/News/Newspage.asp>>

at: <<http://www2.townonline.com/newton/localRegional/view.bg?articleid=305474>>

Charles River Arc: <<http://www.crarc.org/>>

Massachusetts Technology Collaborative: <<http://www.mtpc.org/>>

#### **Additional Coverage of Lightweight Solar Cells for Space and Defense 8-16-05**

United Solar Ovonic announced that the Air Force Research Laboratory awarded the company a \$6.7 million, 18-month contract to continue development of its ultra-lightweight, high-efficiency solar cell technology for use in space and airship vehicles. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35435>>

Uni-Solar: <<http://www.uni-solar.com/>>

#### **Pacific Gas and Electric RFO [Green Power Network] 8-11-05**

For Pacific Gas and Electric Company's 2005 Renewables RFO, see:

<<http://www.pge.com/renewablesrfo>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

#### **Arrowhead - Aonex SBIR Award 8-11-05**

Arrowhead Research Corporation announced that a majority-owned subsidiary, Aonex Technologies, Inc. has been awarded a Phase I SBIR grant to use its proprietary process to advance a new class of solar cells. "New nano-enabled energy technologies are gaining increased attention from both industry and government," said R. Bruce Stewart, Arrowhead's President. For more details, see the press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b068D83ED-B5A6-4D18-B58C-4C65A75D5070%7d&siteid=mktw&dist=nbk&sybm=>>

Arrowhead Research Corp.: <<http://www.arrowres.com/>>

Aonex Technologies, Inc.: <<http://www.arrowres.com/sub.html>>

#### **Uni-Solar Air Force Contract 8-11-05**

United Solar Ovonic Corp. announced that the Air Force Research Laboratory has awarded United Solar Ovonic a \$6.7 million, 18-month contract to continue the development of its ultra-lightweight, high-efficiency solar cell technology for use in space and airship vehicles addressing defense and homeland security applications. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b51C085A1-68CC-489D-908F-2C49BEFAE623%7d&siteid=mktw&dist=nbk&sybm=>>

Uni-Solar: <<http://www.uni-solar.com/>>

#### **Examples of Solicitations, Announcements ... 8-4-05**

Renewable Electric Power RFP [Green Power Network]

The City of Palo Alto is seeking proposals from qualified firms to provide electric power generated by renewable resources to meet the City's renewable portfolio and Palo Alto Green renewable retail rate program needs. See:

<<http://www.cityofpaloalto.org/administrative-services/purch-solicitations.html>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

NASA SBIR and STTR 2005 Program Solicitations

See Chapter 9, Science, <http://www.eere.energy.gov/greenpower/financial/TopicS8.05> for photovoltaics:

<<http://sbir.gsfc.nasa.gov/SBIR/sbirsttr2005/solicitation/index.html>>

<<http://sbir.gsfc.nasa.gov/SBIR/SBIR.html>>

NASA Solicitation: Photovoltaic Power System for Hangar One

The main intent of this Announcement of Opportunity is to find out if there are any interested Developers that would like to be involved in this opportunity at Hanger One at Moffett Field, California. Per the announcement, assuming that the Navy elects to remove exterior siding and leave the structural frame of the hangar, NASA intends to enter into an enhanced use lease or other legal instrument (not a procurement action) with a 3<sup>rd</sup> party to install a new PV system that will generate a minimum of 2 MW of electricity along with the hangar's re-siding work at no cost to the Government. See details at: <<http://www.spaceref.com/news/viewsr.html?pid=17601>>

#### DOD SBIR Solicitation

See solar on page 56: Solar Cell Manufacturing Improvements:  
<<http://www.acq.osd.mil/sadbu/sbir/solicitations/sbir053/osd053.pdf>>  
<<http://www.acq.osd.mil/sadbu/sbir/solicitations/sbir053/index.htm>>  
<<http://www.acq.osd.mil/sadbu/sbir/>>

#### **Renewable Energy Certificates Solicitation [Green Power Network] 8-3-05**

The solicitation document for Renewable Energy Certificates, for ultimate transfer to various Department of Air Force installations, can be found at:

<<http://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=911>>

Green Power Network, Financial Opportunities:

<<http://www.eere.energy.gov/greenpower/financial/>>

### Competitions

#### **Solar Decathlon 8-23-05**

UMass Dartmouth's solar house will leave September 26 for the Solar Decathlon in Washington, D.C. For the story on the house, see:

<<http://www.southcoasttoday.com/daily/08-05/08-23-05/a071o542.htm>>.

UMass Dartmouth team:

<[http://www.eere.energy.gov/solar\\_decathlon/team\\_massachusetts.html](http://www.eere.energy.gov/solar_decathlon/team_massachusetts.html)>

For yesterday's story on the Pittsburgh Synergy solar house -a joint entry by four area schools, see: <<http://www.thepittsburghchannel.com/news/4881970/detail.html>>

Pittsburgh Synergy: <[http://www.eere.energy.gov/solar\\_decathlon/team\\_pittsburgh.html](http://www.eere.energy.gov/solar_decathlon/team_pittsburgh.html)>

2005 Solar Decathlon:

<[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **World Solar Challenge 8-11-05**

The eighth World Solar Challenge in Australia will depart from Darwin on 25 September and travel 3,021 km across the continent to Adelaide in cars powered by the sun.

Story at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=66968936&accnum=1&topics="](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=66968936&accnum=1&topics=)>

World Solar Challenge: <<http://www.wsc.org.au/2005/competition/>>

#### **The Netherlands, Frisian Nuon Solar Challenge 8-8-05**

The Frisian Solar Challenge is a 6-day competition for solar-powered boats along the Frisian Eleven Cities, being held for the first time in 2006 from 26 June to 1 July. The race challenges the business community and student teams of technical universities and colleges from all over the world to compete in the 220-kilometer canal route with a boat they have built themselves and driven exclusively with solar power. Press at:

<[http://www.frisiannuonsolarchallenge.com/downloads/20050503\\_en.pdf](http://www.frisiannuonsolarchallenge.com/downloads/20050503_en.pdf)>

Frisian Nuon Solar Challenge: <<http://www.frisiannuonsolarchallenge.com/>>

Highlighted at the California Solar Center Solar e-Clips:

<<http://www.californiasolarcenter.org/solareclips/solareclips.html>>

#### **Solar Car Race 8-4-05**

To read "Jump start for solar? Car race shows potential. Tapping the sun, students drove 2,500 miles from Texas to Canada", see: <<http://msnbc.msn.com/id/8737930/>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

**Additional**

**Wisconsin College Online RE Courses 8-3-05**

A \$500,000 National Science Foundation grant to Madison Area Technical College will fund the "Partnerships in Educational Resources for Renewable Energy Technologies" project. See RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=35002>>

**Antarctic Research Station Renewables 7-29-05**

A design competition for the UK's future research station for Antarctica, the Halley VI, has been completed, and the winners -Faber Maunsell and Hugh Broughton Architects - plan to incorporate renewable energy systems including solar thermal and planned expansions for solar electric and wind power. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34846>>

Faber Maunsell Halley VI Design:

<<http://www.fabermaunsell.com/NewsMedia/43/67/index.jsp>>

Hugh Broughton Architects: <<http://www.hbarchitects.co.uk/>>

**Missouri Solar [Matt Arner] 7-27-05**

Missouri has begun a program to deploy PV arrays on 9 schools during 2005 and an additional 6 in 2006. The first system is operational, with others of the 9 expected to be complete by October. The solar arrays include educational data monitoring systems, which display real-time performance information at the schools and post data to an Internet accessible database. Heliotronics, Inc. and Advanced Energy Solutions of Pomona, Illinois were selected to provide and install all the systems. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a7P7QEV Tpu18?id=34731>> and Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR534.htm>>

Heliotronics: <<http://www.heliotronics.com/>>

Advanced Energy Solutions: <<http://www.advancedenergyonline.com/company/compinfo.htm>>

**Malaysian Renewable Energy Project 7-26-05**

The RM95 million Malaysia Building Integrated Photovoltaic Project, a national project on renewable energy, was officially launched by Minister of Energy, Water and Communications, Datuk Seri Dr Lim Keng Yaik. More on this project through Solarbuzz <<http://www.solarbuzz.com/News/NewsPage.asp>> at:

<[http://www.bernama.com.my/bernama/v3/news\\_business.php?id=146962](http://www.bernama.com.my/bernama/v3/news_business.php?id=146962)>

Additional Malaysian press on PV:

<<http://thestar.com.my/lifestyle/story.asp?file=/2005/7/26/lifefocus/11519839&sec=lifefocus>>

**BEF Solar Projects System Performance 7-26-05**

Purchase of 24 Web-based energy-monitoring systems from Fat Spaniel Technologies gives owners of Bonneville Environmental Foundation solar projects a powerful view of system performance. The PV2Web™ systems monitor energy production at the source, making it available via the Internet from virtually any web-enabled device. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=34653>>

Bonneville Environmental Foundation: <<http://www.b-e-f.org/>>

Fat Spaniel Technologies: <<http://www.fatspaniel.com/>>

**Solar for Apartment Complex, California 7-25-05**

Ninety Xantrex Technology Inc., GT 3.0 residential solar inverters will be used in a project to power a large apartment complex in San Marcos, California. Carlson Solar Electric Inc. is installing the PV system comprising over 1000 modules, with Fat spaniel Technologies providing the internet monitoring solution. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR530.htm>>

Xantrex: <<http://www.xantrex.com/>>

Carlson Solar: <<http://www.carlsonsolar.com/>>

Fat Spaniel Technologies: <<http://www.fatspaniel.com/>>

**Bangladesh Solar Power Plant 7-25-05**

Bangladesh Power Development Board is going to install a second solar power plant at Borkol in Rangamati district in the next month. Story through Solarbuzz at:

<<http://www.bangladesh-web.com/news/view.php?hidDate=2005-07-22&hidType=NAT&hidRecord=0000000000000000053439>>

**More on Wal-Mart Experimental Store 7-25-05**

Wal-Mart unveiled a new store outside of Dallas, Texas that could revolutionize how the company builds and powers its stores. The experimental design combines an array of renewable energy technologies. For the story and photos at RenewableEnergyAccess, see: <<http://www.renewableenergyaccess.com/rea/news/story?id=34647>>

See also Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNAPR531.htm>>

Wal-Mart Experimental Store:

<[http://www.walmartstores.com/wmstore/wmstores/Promos\\_Display.jsp?categoryOID=8621&contentOID=14775](http://www.walmartstores.com/wmstore/wmstores/Promos_Display.jsp?categoryOID=8621&contentOID=14775)>

#### **Iberdrola-Telefonica PV Plant, Spain 7-25-05**

Telefonica will install a 3 MW PV plant at its new Madrid office complex. Iberdrola, the Spanish utility, will be responsible for the construction and maintenance of the plant, with the PV modules supplied by Sharp. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR219.htm>>

<<http://www.sharp-eu.com/>>

#### **Brewing Company PV, California 7-25-05**

Anderson Valley Brewing Company has completed the first phase of an \$860,000 project, with installation of 592 solar panels on the roof of their cellar and packaging facility. The second phase is a ground-based array with more than 176 panels.

Advance Solar is conducting the installation. Story and photo at

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a8IMd--dbjYh?id=34684>>

Advance Solar: <<http://www.advancepower.net/>>

#### **More on California Green Designs Project 7-22-05**

The 58-kW solar electric system installed by G/G Industries in California is highlighted in an article at:

<[http://news.yahoo.com/news?tmpl=story&u=/prweb/20050722/bs\\_prweb/prweb264158\\_2](http://news.yahoo.com/news?tmpl=story&u=/prweb/20050722/bs_prweb/prweb264158_2)>

California Green Designs: <<http://www.ca-green.com/>>

#### **California, PV System at Academy 7-21-05**

The Yavneh Hebrew Academy in Los Angeles began installing a 73-kW system that will cut the school's electricity bill by at least 25% and help stabilize its energy costs for the next 50 years. Permacity Corp. started installing 420 RWE Schott Solar 175-watt PV modules and 2 30-kW Xantrex inverters on the school's new gym building. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR529.htm>>

Permacity Corp.: <<http://www.permacity.com/>>

RWE Schott Solar: <<http://www.rweschottsolar.com/>>

Xantrex: <<http://www.xantrex.com/web/id/1024/solutions.asp>>

#### **California, Solar Subdivision 7-21-05**

The Sacramento Municipal Utility District has partnered with Treasure Homes to build 32 "super-efficient" homes with new roof-mounted solar power systems. SMUD and local builders have worked together to develop the Zero Energy Home featuring the latest in energy efficient equipment, tighter building standards, and solar roof tiles to generate electricity. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR528.htm>>

SMUD: <<http://www.smud.org/>>

#### **New Jersey Healthcare PV System 7-21-05**

MONOC, the largest emergency medical services agency in New Jersey has a 119-kW solar energy system expected to generate about 20% of its electricity needs. The solar panels installed on the roof of the building were supplied RWE Schott Solar. Story and photos at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR527.htm>>

RWE Schott Solar: <<http://www.rweschottsolar.com/>>

DomeTech: <<http://www.dometechsolar.com/>>

#### **California, Community College PV 7-21-05**

The Foothill-De Anza Community College District has completed the installation of more than 780 kW of solar electric and energy-efficient cogeneration projects at both Foothill and De Anza colleges. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR526.htm>>

PowerLight: <<http://www.powerlight.com/>>

#### **Net-Zero PV Homes [Bill Eggertson] 7-21-05**

The federal government in Canada will contribute \$1 million to launch the first phase of a net-zero energy housing initiative that initially will install PV panels for green power, and later include geothermal heat pumps for green heat. The initiative will see net-zero energy home demonstrations across Canada within 18 months. The first phase is a plan for a community-scale demonstration of 1,500 homes to be started within 5 years. "This announcement represents an important signal to industry that sustainable housing and renewable energy technologies will play an important role in our communities in the future," says Milfred Hammerbacher of the Net Zero Energy Home Coalition. Source: Bill Eggertson, Canadian Association for Renewable Energies:

<<http://www.renewables.ca/main/main.php>>

#### **More on Wal-Mart in Texas, and RWE SCHOTT Solar [bill@effectivepr.com] 7-20-05**

The new Wal-Mart SuperCenter in Texas showcases an advanced sustainable retail store design using a mix of different renewable sources of energy. The 7,500 square feet of solar panels from RWE SCHOTT Solar (RSS) are expected to provide the store with more than 48,000 kWh of energy annually. According to Steve Cohen, Project Manager at SCHOTT, "We trust the results will be so impressive, that the store will set an example for retail operations nationwide." More in the story at:

<[http://www.us.schott.com/english/news/press\\_releases.html](http://www.us.schott.com/english/news/press_releases.html)>

See link to many photos, provided in the press release above.

SCHOTT: <<http://www.us.schott.com/english/index.html>>

RWE SCHOTT Solar: <<http://www.rweschottsolar.us/>>

#### **Solar Power for Water Monitoring 7-19-05**

SunWize Technologies and SEC Automation recently completed a project to power dissolved oxygen monitoring sites at two hydro plants for the Indiana Utility Regulatory commission. Press at: <<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind focus.story&STORY=/www/story/07-19-2005/0004069858&EDATE=TUE+Jul+19+2005,+09:04+AM>>

SunWize: <<http://www.sunwize.com/>>

#### **Wal-Mart Supercenter 7-19-05**

Wal-Mart announced the opening of a new supercenter in McKinney, Texas, which will also serve as an experimental store. Said Mike Duke, executive vice president and chief executive officer of Wal-Mart Stores-USA, "This store will contain many of the best resource conservation and sustainable design technologies currently available to minimize the use of energy and natural resources." "We want to make the best use of renewable and alternate sources like wind and solar energy to generate electricity to



supplement the power needs of the store," said Don Moseley, PE, Wal-Mart's experimental projects manager. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b3F5DBEED-78C9-4879-983C-CD0CED1250E0%7d&siteid=mktw&dist=nbk&symp=>>

Wal-Mart Experimental Store:  
<[http://www.walmartstores.com/wmstore/wmstores/Promos\\_Display.jsp?categoryOID=-8621&contentOID=14775](http://www.walmartstores.com/wmstore/wmstores/Promos_Display.jsp?categoryOID=-8621&contentOID=14775)>

#### **Agricultural Solar System 7-18-05**

Teixeira Farms is using a 112-kW PV system to power irrigation of 600 acres of farmland along California's Central Coast. The solar panels were installed by Santa Maria's Solar Power Systems, Inc., and made by Shell Solar. Press at:

<[http://www.ems.org/nws/2005/07/18/california\\_farm](http://www.ems.org/nws/2005/07/18/california_farm)>

Environment California: <<http://www.environmentcalifornia.org/>>

Shell Solar:

<[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/leftnavs/zzz\\_lhn1\\_0\\_0.html&FC3=/shellsolar/html/iwgen/welcome.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/leftnavs/zzz_lhn1_0_0.html&FC3=/shellsolar/html/iwgen/welcome.html)>

#### **Phonix SonnenStrom Multi-Megawatt Solar Power Station 7-18-05**

Phonix SonnenStrom has completed the first section of a solar electric installation in the Bavarian Mieggersbach. The initial project has a maximum power out put of 2 MW. When completed in December, the total ground-mounted systems will have an output of 5.3 MW. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR217.htm>>

Phonix SonnenStrom AG: <<http://www.sonnenstromag.de/>>

#### **Olympic Games, PV for National Indoor Stadium 7-14-05**

The new National Indoor Stadium for the 2008 Olympic Games has approval to build a "Photovoltaic solar energy electricity-generating roof". Press at:

<[http://english.people.com.cn/200507/14/eng20050714\\_196126.html](http://english.people.com.cn/200507/14/eng20050714_196126.html)>

Beijing 2008: <<http://en.beijing-2008.org/33/28/homepage211612833.shtml>>

#### **More on California Green Designs PV Installation 7-13-05**

A 58-kW PV system was unveiled at the new headquarters of G/G Industries in California, installed by California Green Designs. The project includes 342 Mitsubishi Electric PV modules. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a5SEhyNXOaR-?id=34376>>

California Green Designs: <<http://www.ca-green.com/>>

#### **California Green Designs PV System 7-11-05**

California Green Designs has finished installing a 58-kW solar electric generating system on the roof of G/G Industries headquarters in Valencia. The system consists of 342 Mitsubishi PV-MF170EB3 modules with a Satcon Power Systems inverter. California Green Designs also installed the 267-kW solar system at Western Filter Corp. in Valencia. Story through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at:

<http://www.the-signal.com/News/ViewStory.asp?storyID=7509>

California Green Designs: <<http://www.ca-green.com/>>

#### **More on Bavaria Solarpark 7-11-05**

The 10-MW Bavaria Solarpark, consisting of three solar parks in Muehlhausen, Guenching, and Minihof, was dedicated on June 30 in Muehlhausen, Germany. The system was designed and furnished by PowerLight Corporation and uses the company's PV tracking system. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34255>>

PowerLight: <<http://www.powerlight.com/>>

#### **Whyalla Solar Oasis Project, Australia 7-8-05**

Construction on a solar thermal electricity and desalination pilot plant is expected to begin early next year in Australia. Said Whyalla Councillor Eddie Hughes, "Assuming we are able to demonstrate that the pilot plant is a reliable producer of water and electricity and that it commercially stacks up, the way is open for the first large scale solar thermal power station combined with desalination." Story at:

<[http://whyalla.yourguide.com.au/detail.asp?class=news&subclass=local&story\\_id=407450&category=General+News&m=7&y=2005](http://whyalla.yourguide.com.au/detail.asp?class=news&subclass=local&story_id=407450&category=General+News&m=7&y=2005)>

**APS Grant 7-8-05**

A half-million dollar grant from Arizona Public Service Company will help pay for the greenest building to date on the North Arizona University campus. The Applied Research and Development building will feature a 160-kW PV system, expected to supply 20% of the building's electricity. Story at:

<<http://www.azcentral.com/arizonarepublic/local/articles/0708b3-env-NAU.html>>

APS: <[http://www.aps.com/my\\_community/Solar/Solar\\_29.html](http://www.aps.com/my_community/Solar/Solar_29.html)>

**Spire Solar BIPV Panels in Alaska [Sheryl Einarson] 7-7-05**

Spire Corporation announced that Spire Solar Chicago custom BIPV panels have been installed at a new main Visitors Center at Denali National Park in Alaska. The panels are custom-sized laminates designed to fit into a window system manufactured by POZZI Windows. Press at Spire Corporation: <<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-newsreleases>>

**Canada's Solar-powered Bus Shelter 7-6-05**

Carmanah Technologies Inc. unveiled Canada's first solar-powered bus shelter at the Etobicoke Civic Centre - the first of a total of 350 Carmanah i-SHELTER™ units being installed throughout Greater Toronto in July. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6425055&ResultCategoryType=2,7&NewsPageID=3>>

Carmanah:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Ecarmanah%2Ecom&template=2,2>>

**New York Green Complex 7-6-05**

Developers are about to break ground on what they hope will be a \$20 billion super mall designed to show how to reduce dependency on fossil fuels. The complex, called Destiny USA, is designed to be powered completely by renewable energy sources. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6420829&ResultCategoryType=2,7&NewsPageID=3>>

Destiny USA: <<http://www.destinyusa.com/home/?page=home>>

**El Solutions Half-MW PV Project, California 7-1-05**

El Solutions announced it has been awarded a contract by Las Gallinas Valley Sanitary District to engineer, supply, and construct a 594-kW PV system. Covering nearly 2 acres of District property, the system will feature the "largest ground-mounted solar array in the San Francisco Bay Area". Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR522.htm>>

El Solutions: <<http://solutions.energyinnovations.com/>>

**Technology Applications**

**Solar Impulse 7-20-05**

Solar Impulse, the solar airplane project launched at the end of 2003 by Bertrand Piccard, is taking shape. At Le Bourget Air show, the core team presented a model of the airplane, the project's first major financial and technological partners, and the finalized design of the craft. For the story, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aID74Xbhlxa6?id=34578>>

**Solar Power for Water Monitoring 7-19-05**

SunWize Technologies and SEC Automation recently completed a project to power dissolved oxygen monitoring sites at two hydro plants for the Indiana Utility Regulatory commission. Press at: <<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind focus.story&STORY=/www/story/07-19-2005/0004069858&EDATE=TUE+Jul+19+2005,+09:04+AM>>

SunWize: <<http://www.sunwize.com/>>

**Builder Achievement Awards 7-19-05**

Two Massachusetts-based builders, a non-profit community development corporation, and a technical high school are recipients of a 2005 ENERGY STAR® Builder Achievement

Award from the New England Joint Management Committee. For more on their solar features, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b3B6D673E-CB92-4018-8E23-F229E01842F1%7d&siteid=mktw&dist=nbk&symp=>>

Energy Star Homes: <<http://www.energystarhomes.com/>>

#### **More on the Danish Plastic Solar Cells 7-18-05**

For additional press on the plastic solar cells from Danish researchers, see:

<<http://news.softpedia.com/news/Danish-Researchers-Announce-a-New-Type-of-Plastic-Solar-Panels-4973.shtml>>

#### **More Coverage of Piccard's and Jones' Solar Plane 7-7-05**

Bertrand Piccard and Brian Jones are teamed together again as they build a solar-powered aircraft named Solar Impulse to fly around the world. See examples of some of the stories at: <[http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP\\_EN\\_NEWS&ACTION=D&SESSION=&RCN=EN\\_RCN\\_ID:24110](http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP_EN_NEWS&ACTION=D&SESSION=&RCN=EN_RCN_ID:24110)> and

<[http://www.livescience.com/technology/050707\\_solar\\_plane.html](http://www.livescience.com/technology/050707_solar_plane.html)>

#### **Solar Plane 7-5-05**

For coverage of the "SoLong" craft built by AC Propulsion, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=34057>>

AC Propulsion: <<http://www.acpropulsion.com/>>

#### **Water Desalination through Solar 7-1-05**

Under the Water Innovation Fund, Joe Ortiz, Sustainable Resources Inc., and his business partner Melvin Prueitt plan to use "proprietary technology" to provide solar power and a new, more efficient pressure pump to complete a process to desalinate water. Ned Godshall, a former Sandia scientist and entrepreneur, whose past projects include hydrogen fuel cell and solar energy related companies, said his new company, Altela Inc., will likely apply for funding through this year's Water Innovation Fund. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6382206&ResultCategoryType=2,7&NewsPageID=3>>

Water Innovation Fund:

<[http://research.unm.edu/funding\\_opportunities/Limited/letters/Water\\_innov\\_LC.html](http://research.unm.edu/funding_opportunities/Limited/letters/Water_innov_LC.html)>

<<http://www.bizjournals.com/albuquerque/stories/2004/11/29/daily6.html>>

#### **Volkswagen Solar Hydrogen Filling Station 7-1-05**

Volkswagen has opened a solar-powered hydrogen filling station on the grounds of its Technology Centre in Lower Saxony. The fuel station provides hydrogen for the company's test fleet of fuel cell vehicles, and solar power collected from 50 sq. m of panels will be used to generate the hydrogen. Story at:

<[http://www.channel4.com/4car/news/news-story.jsp?news\\_id=12538](http://www.channel4.com/4car/news/news-story.jsp?news_id=12538)>

### **Technology Developments**

#### **Solar Thermal Concentrator 7-29-05**

Calgary-based Barnabus Energy signed a licensing contract for Suncone, a solar thermal concentrating technology developed by Dr. Melvin Prueitt, an inventor and former senior physicist at the Los Alamos National Laboratory. For more on the Suncone, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34811>>

Sustainable Resources, Inc.: <[http://www.sriglobal.org/suncone\\_intro.html](http://www.sriglobal.org/suncone_intro.html)>

#### **Solar Cells Onboard the Space Shuttle 7-28-05**

Solar cells developed by a team of scientists were launched into space aboard the space shuttle Discovery. The project is a multi-institutional endeavor led by Ohio State University in conjunction with the Massachusetts Institute of Technology and NASA. The cells will be mounted by astronauts outside the International Space Station and monitored for their performance over a year. For more on these cells, see:

<<http://www.thelantern.com/media/paper333/news/2005/07/28/Campus/Shuttle.Carries.Solar.Cells.Into.Space-964804.shtml>>

Previous press: <[http://www.eng.ohio-state.edu/quick\\_links/alumni\\_corp/alumni/alumni\\_updates/alumni\\_eneews.html](http://www.eng.ohio-state.edu/quick_links/alumni_corp/alumni/alumni_updates/alumni_eneews.html)>

**Flexible Solar Cells 7-28-05**

For an article in Science Daily on "Flexible Photovoltaic Cells", with reference to the METAFLEX project and the involvement of the Inasmet Technology Centre, see: <<http://www.sciencedaily.com/releases/2005/07/050727064058.htm>>

Taken from:

<[http://www.basqueresearch.com/berria\\_irakurri.asp?Gelaxka=1\\_1&Berri\\_Kod=751&hizk=I](http://www.basqueresearch.com/berria_irakurri.asp?Gelaxka=1_1&Berri_Kod=751&hizk=I)>

**Flexible, Organic-based Solar Cells 7-27-05**

For an article on research at the Air Force Research Laboratory's Materials and Manufacturing Directorate on flexible, organic-based solar cells and detectors, see: <<http://www.physorg.com/news5455.html>>

**NASA Solar Sail 7-25-05**

NASA's Science Mission Directorate selected 11 technology investigators as part of the New Millennium Program Space Technology 9 Project, including "Solar Sail Flight System Technology - technologies that will deploy and operate a steerable solar sail with measurable acceleration". Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B1C30A6DF%2D7AF8%2D4A2D%2DA5C2%2D23F36FD87525%7D>>

NASA New Millennium Program: <<http://nmp.jpl.nasa.gov/>>

**Spectrolab Concentrating Solar Cell 7-22-05**

For more on Spectrolab's concentrating solar cell, with a world record conversion efficiency, see the press at:

<<http://www.fmlink.com/Home/News/news.cgi?catid=115&display=article&id=17850>>

Spectrolab: <<http://www.spectrolab.com/com/com.htm>>

NREL Newsroom: <[http://www.nrel.gov/news/press/2005/2405\\_pv\\_concentrators.html](http://www.nrel.gov/news/press/2005/2405_pv_concentrators.html)>

**South Korean's Flexible Solar Cell 7-20-05**

Per this press, a team of South Korean scientists has developed a new prototype flexible solar cell. Story through Solarbuzz

<<http://www.solarbuzz.com/News/Newspage.asp>> at:

<<http://asia.news.yahoo.com/050720/4/248f1.html>>

See also: <<http://times.hankooki.com/lpage/200507/kt2005072020173710230.htm>>

**Plastic Solar Cell 7-15-05**

Danish scientists said they have built a new type of plastic solar cell that lasts significantly longer than previous versions. Story referenced at Solarbuzz:

<<http://www.solarbuzz.com/News/Newspage.asp>>

SFGate Story: <[http://sfgate.com/cgi-](http://sfgate.com/cgi-bin/article.cgi?f=/news/archive/2005/07/15/international/i075421D76.DTL&type=business)

[bin/article.cgi?f=/news/archive/2005/07/15/international/i075421D76.DTL&type=business](http://sfgate.com/cgi-bin/article.cgi?f=/news/archive/2005/07/15/international/i075421D76.DTL&type=business)>

**Manufacturing**

**Solar Plant in Entebbe 7-27-05**

Solar Energy for Africa, a US non-governmental organization, is to establish a \$3.4 m solar assembly plant in Entebbe. For the story, see:

<<http://allafrica.com/stories/200507270110.html>>

Solar Energy for Africa: <<http://www.solarenergyforafrica.com/>>

**Spire Module Manufacturing Line Commissioned [Sheryl Einarson, Heather Rayner] 7-27-05**

Spire Corporation announced that Hyundai Heavy Industries Co., Ltd., of Ulsan, Korea, has commissioned Spire's multi-megawatt turnkey PV module assembly line and now has it in production. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASMA53.htm>>

Spire: <<http://www.spirecorp.com/>>

Hyundai Heavy Industries: <<http://www.hhi.co.kr/Korea/Default.asp>>

**EPOD Interest in Heliiodomi 7-25-05**

EPOD International Inc. said it has entered into a joint-venture agreement to acquire a solar panel manufacturing facility. EPOD with its joint-venture partner, Mr. Peter

Lacey, is to acquire a 51% controlling interest in Heliiodomi S.A., a thin-film, amorphous silicon solar panel manufacturing plant. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAC0347.htm>>

EPOD: <<http://www.epodinc.com/>>

Heliiodomi: <<http://www.heliiodomi.com/>>

#### **Sanyo in Hungary 7-22-05**

Sanyo Electric Co. said it has begun full-scale production of solar modules at a new plant in Hungary. Per the article, Sanyo set up the assembly plant, which uses solar cells imported from Japan, to shorten the time it takes to deliver solar panels to clients in Germany and other European countries. Story at:

<[http://www.rednova.com/news/display/?id=182627&source=r\\_science](http://www.rednova.com/news/display/?id=182627&source=r_science)>

#### **PV Module Assembly Plant 7-18-05**

S.M.D. Solar-Manufaktur Deutschland and its subsidiary, aleo solar, have announced plans for expansion. By the end of 2005, S.M.D. will build a new 10-MW solar module manufacturing plant in Spain. Press at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUMA76.htm>>

aleo solar: <<http://www.aleo-solar.de/>>

#### **More on Uni-Solar Groundbreaking 7-15-05**

Uni-Solar broke ground Thursday for a 2nd manufacturing facility, and the project will create 200 jobs when finished next May. Said U.S. Energy Secretary Samuel Bodman during a tour, "This has the potential to have a major impact on energy availability throughout the world". Press at:

<<http://www.detnews.com/2005/business/0507/15/D01-248671.htm>>

For DOE Press on Energy Secretary Bodman's tour of Uni-Solar and his attendance at the groundbreaking, see:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18320&BT\\_CODE=PR\\_PRESSERELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18320&BT_CODE=PR_PRESSERELEASES&TT_CODE=PRESSRELEASE)>

Uni-Solar Ovonic: <<http://www.uni-solar.com/In The News Corp.html>>

#### **Uni-Solar Ovonic Groundbreaking 7-14-05**

United Solar Ovonic LLC announced the groundbreaking for United Solar Ovonic's second 25-MW thin-film triple-junction solar module manufacturing facility in Auburn Hills, Michigan. Said U.S. DOE Energy Secretary Samuel Bodman, "I congratulate Uni-Solar on this groundbreaking that will bring 200 jobs to the Auburn Hills area. This new facility will help provide consumers and contractors with another option to reduce energy costs and improve energy efficiency". More at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0AC9C875-8DA0-4338-AF3E-D74CD15A95FC%7d&siteid=mktw&dist=nbk&symb=>>>

Uni-Solar Ovonic: <<http://www.uni-solar.com/>>

#### **More on Secretary Bodman at Uni-Solar Groundbreaking 7-13-05**

Secretary of Energy Samuel Bodman will tour Uni-Solar's thin-film solar panel manufacturing facility, and join officials for the groundbreaking of Uni-Solar's new manufacturing facility, on 14 July. DOE Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18303&BT\\_CODE=PR\\_MEDIAADVISORIES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18303&BT_CODE=PR_MEDIAADVISORIES&TT_CODE=PRESSRELEASE)>

Uni-Solar Ovonic: <<http://www.uni-solar.com/In The News Corp.html>>

#### **EverQ Groundbreaking 7-13-05**

Evergreen Solar celebrated the groundbreaking of its 30-MW solar wafer, cell and module manufacturing plant in Thalheim, Germany. The plant is being constructed by EverQ, a strategic partnership between Evergreen Solar, Inc. and Q-Cells AG. Stories at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA75.htm>> and

<[http://www.ecoreporter.de/index.php?action=,114,,,120,,,119\\_n13663](http://www.ecoreporter.de/index.php?action=,114,,,120,,,119_n13663) >

Evergreen Solar: <<http://www.evergreensolar.com/egsolar1/index.html>>

Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>

**SMIC 2<sup>nd</sup> Quarter Results and Announcements 7-29-05**

Semiconductor Manufacturing International Corporation announced results of operations for the 3 months ended June 30. SMIC also announced two projects, one of which relates to the wafer reclamation project in Shanghai to produce solar power modules. The company will start facility installation in the 3<sup>rd</sup> quarter and anticipates equipment move-in during the 4<sup>th</sup> quarter. Press at:

<[SMIC: <\[>\]\(http://www.smics.com/website/enVersion/Homepage/index\_800.jsp\)](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={3DB0CBC2-05B2-4F87-AC8C-BDB85E787F30}&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

**Solartron Sales 7-29-05**

Per this press, Solartron Plc said it expects its sales for this year to grow by 30%. For more on the sales, and the Solartron Home phase 2 bid, see the story through Solarbuzz

<[>](http://www.solarbuzz.com/News/Corporate.asp)

at: <[>](http://www.biz-day.com/read/energy/28_jul_05/c863y-5/solar_expects_sales_increase_by_30.htm)

Solartron: <[>](http://www.solartron.co.th/Newer/home.aspx)

**Phonix SonnenStrom AG Results 7-29-05**

Phonix SonnenStrom AG reported its first half 2005 results. For coverage, see Solarbuzz at:

<[>](http://www.solarbuzz.com/News/NewsEU0196.htm)

Phonix SonnenStrom: <[\*\*Prism Solar Technologies Financing \[Rick Lewandowski\] 7-28-05\*\*](http://www.sonnenstromag.de/></a></p></div><div data-bbox=)

Prism Solar Technologies, Inc. has secured an additional \$400,000 equity financing from investors as part of the 1<sup>st</sup> round of a Private Offering. PST has begun a Private Offering to secure financing to commercialize its patented holographic planar concentrator. Press from Direct Global Power <[<\[>\]\(http://renewableenergyaccess.com/rea/market/business/viewstory?id=34783\)](http://www.directglobalpower.com/></a> at RenewableEnergyAccess:</p></div><div data-bbox=)

**Xantrex CEO 7-28-05**

The board of Directors of Xantrex Technology Inc. has appointed John Wallace as interim Chief Executive Officer. Press at:

<[>](http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aFYppHSkfrye?id=34801)

Xantrex: <[\*\*EPOD Subsidiary 7-28-05\*\*](http://www.xantrex.com/></a></p></div><div data-bbox=)

EPOD International Inc. announced the Company intends to create a German subsidiary. The wholly owned subsidiary, to be named EPOD Renewable Utilities Inc., is to be based in Frankfurt, Germany, focusing on the German and western European markets. Said Mark Roseborough, EPOD President, "Germany's commitment to renewable energy and its central location to the remainder of the EU makes it an ideal market to launch our solar power management and storage systems". Press at:

<[EPOD Inc: <\[\\*\\*International Automated Systems Inc. Press 7-27-05\\*\\*\]\(http://www.epodinc.com/></a></p></div><div data-bbox=\)](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE647B66D-6DAA-4CE2-80CB-F99C85B52B35%7d&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

For press from International Automated Systems Inc. on their new patented and patent-pending solar technology, see:

<[>](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050727005169&newsLang=en)

International Automated Systems: <[\*\*Xantrex 2<sup>nd</sup> Quarter Results 7-27-05\*\*](http://www.iaus.com/></a></p></div><div data-bbox=)

Xantrex Technology Inc. reported financial results for the 2<sup>nd</sup> quarter and first half ended June 30. Press at:



<[Xantrex: <\[#### \\*\\*Solar-Fabrik Purchase 7-27-05\\*\\*\]\(http://www.xantrex.com/></a></p></div><div data-bbox=\)](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b132B9F2B-DF6D-412F-AA4D-4BFA4E1FBD81%7d&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

Per this press, Solar-Fabrik, AG has purchased wafer trader Global Expertise Wafer Division Ltd. By purchasing the Malaysian company, Solar-Fabrik AG has insured a supply of solar wafers exceeding 30 megawatts for 2006 allowing the company to double its production. Press at: <[>](http://www.presseportal.de/story.htx?nr=706168)

<[>](http://www.vwd.de/vwd/news.htm?id=23894874&navi=home&sektion=adhoc)

Solar-Fabrik: <[>](http://www.solar-fabrik.de/eng/1.htm)

#### **Konarka Recruit [Hilary Ives] 7-27-05**

Konarka Technologies, Inc. announced that Dr. Stuart Spitzer has joined the company as vice president, materials and engineering. He will lead product development for Konarka's light-activated power plastic. Press at:

<[>](http://biz.yahoo.com/bw/050727/275034.html?.v=1)

Konarka: <[#### \*\*Evergreen Solar 2<sup>nd</sup> Quarter Results 7-26-05\*\*](http://www.konarka.com/></a></p></div><div data-bbox=)

Evergreen Solar, Inc. announced it will release its second quarter 2005 financial results before the market opens on August 2. Press at:

<[Evergreen Solar: <\[>\]\(http://www.evergreensolar.com/egsolar1/index.html\)](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE126916A-8E98-4345-8891-34611CDF1165%7d&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

Evergreen Press: <[>](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=400)

#### **WorldWater & Power Financing and Recapitalization 7-26-05**

WorldWater & Power Corp. announced the completion on July 22 of a \$4,000,000 financing agreement. In addition to the private placement, the recapitalization includes \$450,000 in exercised warrants, and reduction of long-term debt by \$900,000 through stock conversions. Press at:

<[WorldWater & Power Corp.: <\[#### \\*\\*Mobility Electronics and Better Energy Systems Agreement 7-25-05\\*\\*\]\(http://www.worldwater.com/></a></p></div><div data-bbox=\)](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b04029014-8638-4A58-8697-A68343B87389%7d&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

Mobility Electronics, Inc. and Better Energy Systems, Ltd announced an agreement to utilize each company's proprietary technology to offer consumers a unique line of solar-powered products for mobile electronic devices. Press at:

<[Mobility Electronics, Inc.: <\[Better Energy Systems: <\\[>\\]\\(http://www.betterenergy.co.uk/intro.html\\)\]\(http://www.mobilityelectronics.com/></a></p></div><div data-bbox=\)](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7E85ED4D-6091-49E1-B454-EDD8DFA59D1D%7d&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

#### **Prism Solar Technologies Head Scientist [Rick Lewandowski] 7-25-05**

Prism Solar Technologies, Inc. has announced that Dr. Chien-Wei Han has joined PST as the Chief Optics Scientist. Dr. Han will oversee all optics modeling and holographic element research and development. Direct Global Power:

<[<\[>\]\(http://www.directglobalpower.com/news.html\)](http://www.directglobalpower.com/></a></p></div><div data-bbox=)

RenewableEnergyAccess:

<[>](http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=34674)

#### **Paula Mints at Navigant Consulting [Paula Mints] 7-22-05**

Navigant Consulting is pleased to announce that Paula Mints, who formerly led the PV practice at Strategies Unlimited, has joined as an Associate Director as part of Navigant's renewable energy leadership team. Paula is the developer and author of Navigant's new quarterly publication, *Solar Outlook*. Since 1998, she has provided objective and comprehensive analysis of the industry, including a forward-looking understanding of photovoltaic market and technology trends. Her strong grounding in primary research make her uniquely qualified to provide insight into this dynamic

industry. She has authored highly respected reports on the photovoltaic industry, while also serving as the author/editor of the company's quarterly solar newsletter. Navigant Consulting:

<<http://www.navigantconsulting.com/A559B1/navigantnew.nsf/fcNTDspHMRead?OpenForm&Cat1=LA0>>

#### **LED Lighting Technology Order [Moneer Azzam] 7-21-05**

SolarOne™ Solutions LLC announced that the company has received its first orders for SoLed™ area lighting using its new patent-pending MC<sup>2</sup> controller technology powered by solar energy. Press at: <<http://www.solarone.net/News/docs/pr050715.html>>

#### **Spire's New Marketing VP 7-21-05**

Spire Corp. has hired William Wiegler as vice president of corporate marketing. Press at:

<[http://www.amex.com/?href=/newsDetails/CmnNewsDet.jsp?id=XpressFeed NewsDetails 1121952834575.html](http://www.amex.com/?href=/newsDetails/CmnNewsDet.jsp?id=XpressFeed%20NewsDetails%201121952834575.html)>

Spire: <<http://www.spirecorp.com/Spire/index.html>>

#### **Kyocera Specials for Fire Victims 7-21-05**

The San Diego Regional Energy Office and Kyocera Solar, Inc. have teamed up to offer affordable PV systems to residents whose homes were destroyed in the October 2003 wildfires. The complete systems are available at a special discount through the Rebuild a Greener San Diego program. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO260.htm>>

Kyocera: <<http://www.kyocerasolar.com/>>

San Diego Regional Energy Office: <<http://www.sdenergy.org/>>

<<http://www.sdenergy.org/NewsDetail.asp?ID=45&ContentID=42>>

#### **Carmanah VP 7-20-05**

Carmanah Technologies has appointed Richard Sowter to Vice President for UK and Europe. In this role he will lead the Company's initiatives to fully develop the European Market. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO346.htm>>

Carmanah Technologies: <<http://www.carmanah.com/>>

#### **Magnetek Solar Inverters Award 7-19-05**

Magnetek, Inc. received Frost & Sullivan's 2005 "Solar Power Systems Technology Innovation of the Year" Award for its Aurora™ solar power inverters. Press at:

<[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20050719005302&newsLang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050719005302&newsLang=en)>

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=34538>>

Magnetek: <<http://www.alternative-energies.com/>>

#### **Spire Order for Module Testers [Sheryl Einarson, Heather Rayner] 7-19-05**

Spire Corporation announced that it has received an order from First Solar, LLC for four SPI-SUN SIMULATOR™ 350i photovoltaic module testers. The systems being provided to First Solar will be used to pre-test PV laminates and perform final module tests under simulated Air Mass 1.5 global terrestrial conditions. Press from SPIRE:

<<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=irol-news>>

Stories at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAMA55.htm>> and

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=34525>>

AP: <[http://biz.yahoo.com/ap/050719/spire\\_mover.html?.v=1](http://biz.yahoo.com/ap/050719/spire_mover.html?.v=1)>

Spire Corporation: <<http://www.spire-solar.com/index.html>>

#### **Inverter Business 7-18-05**

Royal Philips Electronics has signed an MOU with Steca Batterieladesysteme und Prazisionselektronik GmbH for the transfer of the products, rights and obligations relating to its solar inverter business. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUOC194.htm>>

Philips: <<http://www.philips.com/index.htm>>

Steca: <<http://www.stecasolar.com/>>

**XsunX Financing Commitment 7-18-05**

XsunX, Inc. announced it has secured a total of \$10,850,000 in financing with Cornell Capital Partners LP to support the continued development and growth of the company. Story at: <<http://au.biz.yahoo.com/050718/21/6497.html>>  
XsunX: <<http://www.xsunx.com/>>  
Cornell Capital Partners: <<http://www.cornellcapital.com/>>

**Solargenix in Nevada 7-15-05**

Per this news story, the Nevada Commission on Economic Development this week approved granting about \$15 million in tax breaks to Solargenix Energy. Story at: <<http://www.kesq.com/Global/story.asp?S=3599544>>  
Solargenix: <<http://www.solargenix.com/>>  
Nevada Commission on Economic Development: <<http://www.expand2nevada.com/>>

**SMA America's New Inverter 7-15-05**

SMA America has launched its 3800U, 3800-Watt Inverter. Said Sam Vanderhoof, Director of Sales and Marketing, "We're offering not just a five-year warranty, but an impressive extended one as well." More information on the new inverter at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT117.htm>>  
RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/productstory?id=34444>>  
SMA America: <<http://www.sma-america.com/>>

**United Solar Ovonic Records 7-15-05**

Per this article, United Solar Ovonic LLC has achieved record product sales of approximately \$18 million, representing 5.6 Megawatts of solar cells for the quarter ended June 30, 2005. For more on the company's achievements, see the article at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAC0345.htm>>  
United Solar Ovonic: <<http://www.ovonic.com/>>

**WorldWater & Power Contracts 7-15-05**

WorldWater & Power Corp. announced the signing of two new contracts for its recently formed Residential Solar Sales Division. The new contracts are for solar electric generation and distribution systems on two private homes in New Jersey. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7A58AEBD-104B-4BCE-9BED-51B8EBB51B69%7d&siteid=mktw&dist=nbk&sybm=>>>  
WorldWater & Power: <<http://www.worldwater.com/>>

**Sustainable Energy Technologies Inverter 7-14-05**

Sustainable Energy Technologies Ltd announced it has commenced commercial production of the SUNERGY 5 inverter for the PV market. The first units are being manufactured in Canada and are being delivered to Free Power S.L. under a supply contract with that company. Story at: <<http://biz.yahoo.com/ccn/050714/f3aebb6ad31ac7036b706c513357a578.html?.v=1>>  
Sustainable Energy Technologies: <<http://www.sustainableenergy.com/SET-home/index.html>>  
Free Power: <<http://www.freepower.es/>>

**WorldWater & Power Milestone 7-14-05**

WorldWater & Power Corp. announced that grid connection with San Diego Gas & Electric has been secured by Farm ACW of Fallbrook, California for its \$7.8 million solar electric project. The interconnection with the grid, a major condition to commencement of the project, is suitable to provide for the one-megawatt PV system to help power the ranch operations. WorldWater & Power currently has 9 projects in engineering or pre-construction stages or under construction in California and New Jersey. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b29439FD6-351F-474E-8A84-2318BBC5BC49%7d&siteid=mktw&dist=nbk&sybm=>>>  
WorldWater & Power: <<http://www.worldwater.com/>>

#### **Sanyo Solar Panel 7-13-05**

Sanyo introduced a new solar panel for North America, the HIT-195W. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=34074>>

Sanyo: <<http://www.sanyo.com/industrial/solar/>>

#### **XsunX Approach 7-12-05**

XsunX, Inc. announced that continued development efforts in low-temperature processing techniques on plastic films have produced superior results with the use of Polyethylenenaphthalate (PEN), and accordingly, XsunX has chosen PEN as a preferred plastic film for the manufacture of Power Glass™ solar electric films. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bBA627566-CAE4-4417-A305-365E62DC68DD%7d&siteid=mktw&dist=nbk&sybm=>>

XsunX: <<http://www.xsunx.com/>>

#### **Ligitek Electronics Diversification 7-12-05**

Ligitek Electronics Co. has recently diversified into solar-panel manufacturing in a joint venture with United Test and Assembly Center Ltd. and a German company. Story through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at:

<<http://news.cens.com/php/getnews.php?file=/news/2005/07/12/20050712013.htm&daily=1>>

#### **Carmanah Financial Results 7-12-05**

Carmanah Technologies Corporation announced its results for the 3 and 6 months ended June 30, 2005 and 2004, for example record Q2 2005 revenues representing an 87% increase over Q2 2004, and record 2005 year-to-date revenues representing a 50% increase over the same 6-month period in 2004. For the story and all the highlights, see: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b66A204DD-32B8-48E3-876E-4CE7458E62D7%7d&siteid=mktw&dist=nbk&sybm=>>

Carmanah: <<http://www.carmanah.com/>>

#### **Grid Enhancing Power Storage 7-11-05**

Digital Gas, Inc. announced that it will partner with ICCU of the Netherlands to manufacture and market an advanced ultracapacitor. Per the article, the "new, low-cost energy storage device is ready for market this year. It has the potential to revolutionize the use of 'Green Power' and 'Distributed Generation,' as well as to improve the robustness and efficiency of the traditional electric power grid. The parties will initially operate under the corporate name "Digital Ultracap". Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B724A74A6%2D33B4%2D4153%2DA23C%2DD9C950E774B6%7D>>

#### **Kramer Junction Solar Funding 7-11-05**

FPL Energy and affiliates of Carlyle/Riverstone Global Energy and Power Fund II, L.P. announced that Kramer Junction Solar Funding, LLC has completed the issuance of \$125 million of senior secured notes with a final maturity of 2014. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B632E9095%2DA1DF%2D4B2D%2DBCFF%2D86BFDDB7F928%7D>>

FPL Energy Press: <[http://www.fplenergy.com/news/contents/news\\_releases.shtml](http://www.fplenergy.com/news/contents/news_releases.shtml)>

The Carlyle Group: <<http://www.carlyle.com/eng/index.html>>

#### **More on Dyesol Plans 7-11-05**

For additional press on Dyesol plans, see:

<[http://www.heraldsun.news.com.au/common/story\\_page/0,5478,15883690%255E664,00.html](http://www.heraldsun.news.com.au/common/story_page/0,5478,15883690%255E664,00.html)>

Dyesol: <<http://www.dyesol.com/index.php>>

#### **Tata BP Solar 7-11-05**

For a story on Tata BP's growth and success, including information on expansion plans, see: <<http://www.deccanherald.com/deccanherald/jul112005/eb142052005710.asp>>

Tata BP: <<http://www.tatabpsolar.com/>>

#### **Solar Nanotech Investors 7-11-05**

For a story on investment in solar nanotech start-ups, see:

<<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2005/07/11/BUG7IDL1AF1.DTL>>

#### **Rooftop Solar 7-11-05**

For coverage of Energy Innovations' "Sunflower", under test at the Arizona State University's Photovoltaic Testing Lab, see the press at Wired:

<<http://www.wired.com/wired/archive/13.07/solar.html>>

Energy Innovations: <<http://www.energyinnovations.com/>>

#### **DayStar Purchase Agreement 7-11-05**

DayStar Technologies, Inc. announced the signing of a purchase agreement with Micro Energy Group, Inc. for DayStar's new TerraFoil-SP™ solar cells. Micro Energy Group designs, manufacturers and distributes small-power flat plate PV modules and specialty solar energy products. The purchase agreement calls for up to 500 kW of TerraFoil-SP™ cells with monthly delivery beginning later in 2005 and escalating in volume through the end of 2006. Story at:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB1FF8C30-0543-414C-B3FA-AFC0A1EABF81%7d&siteid=mktw&dist=nbk&symb="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB1FF8C30-0543-414C-B3FA-AFC0A1EABF81%7d&siteid=mktw&dist=nbk&symb=)>

DayStar: <<http://www.daystartech.com/>>

#### **Groundbreaking Ceremony for United Solar Ovonic 7-11-05**

The groundbreaking of United Solar Ovonic's 2<sup>nd</sup> 25-MW thin-film solar cell manufacturing facility is set for July 14 in Auburn Hills, Michigan. Secretary of Energy Samuel Bodman is the keynote speaker. Press at:

<<http://www.theautochannel.com/news/2005/07/08/137073.html>>

Uni-Solar Ovonic: <[http://www.uni-solar.com/In\\_The\\_News\\_Corp.html](http://www.uni-solar.com/In_The_News_Corp.html)>

#### **Sharp Thin Film Production 7-11-05**

Sharp Corporation will introduce a new mass-production system for thin-film PV modules at its Katsuragi Plant in Nara Prefecture. Sharp is aiming to further expand the range of applications, and is advancing the idea of thin-film PV modules that use crystalline thin-film tandem cells. The cell design integrates amorphous silicon technology with crystalline thin-film silicon technology. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASMA52.htm>>

Sharp: <<http://www.sharp.co.jp/>>

#### **Scrap Wafer Recycling 7-11-05**

Per this press, IC material supplier Topco Scientific announced that it started shipments in June of scrap wafers to be recycled in solar cell production. Topco indicated that it will focus on shipping the scrap wafers in the short term, but may also construct its own furnace for wafer processing in 2006. Story through Solarbuzz

<<http://www.solarbuzz.com/News/Newspage.asp>> at:

<[http://www.digitimes.com/bits\\_chips/a20050707A9052.html](http://www.digitimes.com/bits_chips/a20050707A9052.html)>

Topco Scientific: <<http://www.topco.com.tw/eng/page/home.asp>>

#### **SOLPRO 8-05**

SOLPRO is a consortium of experts initiated and coordinated by the Fraunhofer Institute for production technology, IPT, based in Aachen and the institute for solar energy systems, ISE, based in Freiburg. The consortium is represented by these two institutes along with 13 industrial associates that include wafer, solar cell, and module producers as well as plant equipment and component manufacturers. Information

at: <[http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell\\_id=97&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e](http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell_id=97&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e)>

SOLPRO: <<http://www.solpro.de/>>

Fraunhofer Institute: <<http://www.ise.fraunhofer.de/>>

#### **Sharp Electronics Vice President 7-7-05**

Sharp Electronics Corporation announced that Ron Kenedi has been promoted to the position of vice president of the company's solar business unit, the Solar Energy Solutions Group. At the same time, Sharp has elevated the Solar Energy Solutions Group from division to group status. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/newsNAC0342.htm>> and

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=34129>>

Sharp: <<http://solar.sharpusa.com/solar/home/0,2462,,00.html>>

#### **First SLIVER Panels Sold [Yvette Reade] 7-7-05**

Origin Energy Pty Ltd (Origin) has sold the first SLIVER panels to a major solar distributor, Choice Electric. Said Phil Mackey, Origin's General Manager Renewable and Low Emission Technologies, "This is a major milestone in the commercialization of SLIVER technology. It represents a significant step toward the large scale sale of SLIVER modules." [Press release from Origin Energy]

Origin Energy SLIVER technology:

<[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233&front=Y](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233&front=Y)>

Choice Electric: <<http://www.choiceelectric.com.au/>>

#### **Sanyo Developments 7-6-05**

Sanyo plans to shave costs and diversify from digital cameras and mobile phones into a new range of eco-friendly items. Stories at:

<<http://news.bbc.co.uk/1/hi/business/4651111.stm>>

<<http://www.forbes.com/associatedpress/feeds/ap/2005/07/05/ap2122840.html>>

<<http://news.bbc.co.uk/1/hi/business/4639955.stm>>

<[http://politics.yahoo.com/s/afp/20050701/bs\\_afp/japanelectronicssanyorestructurecompany\\_050701024028](http://politics.yahoo.com/s/afp/20050701/bs_afp/japanelectronicssanyorestructurecompany_050701024028)>

#### **PV Loans 7-6-05**

Nearly a half billion euro was provided by the Agricultural Pension Bank last year in financing for PV systems in Germany. Story at Photon International:

<[http://www.photon-magazine.com/news/news\\_2005-06%20eu%20sn%20German%20Agrar%20Bank%20funds.htm](http://www.photon-magazine.com/news/news_2005-06%20eu%20sn%20German%20Agrar%20Bank%20funds.htm)>

#### **More on Shell Solar Contract in China 7-6-05**

Shell Solar GmbH won a contract to provide solar-powered electricity to 12 remote villages in the Qinghai province of southwest China. For coverage at Photon International, see:

<[http://www.photon-magazine.com/news/news\\_2005-06%20ap%20sn%20Shell%20Solar%20in%20China.htm](http://www.photon-magazine.com/news/news_2005-06%20ap%20sn%20Shell%20Solar%20in%20China.htm)>

Shell Solar Press:

<[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/china3\\_1305.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=/shellsolar/html/iwgen/news_and_library/press_releases/2005/china3_1305.html)>

#### **Orionsolar PV 7-6-05**

At Orionsolar in Israel, the plan is to produce relatively inexpensive, flexible dye-cell solar panels that could be purchased locally and installed on roofs. The company is working on a \$3 million to \$5 million round of investment in order to fund the production line once the initial prototype is completed by 2006. Story through Solarbuzz at:

<<http://www.jpost.com/servlet/Satellite?pagename=JPost/JParticle/ShowFull&cid=1120357174260&apage=1>>

Orionsolar: <<http://www.orionsolar.net/>>

#### **Direct Global Power Subsidiary [Rick Lewandowski] 7-6-05**

Direct Global Power, Inc. (DGP) has formed a subsidiary - Prism Solar Technologies, Inc. (PST) - in a joint venture with the inventors of a unique holographic PV technology. DGP has joined forces with Genesis Solar LLC of Tucson, Arizona to manufacture a new module that incorporates its patented holographic planar concentrator (HPC) technology. PST has secured seed financing and has begun working on second-generation prototypes of the technology. The company is currently securing additional financing and evaluating several potential manufacturing sites. PST expects to begin manufacturing in 2006. DGP's president Rick Lewandowski will serve as PST's President and Chief Executive Officer. DGP Press at:

<<http://www.directglobalpower.com/news.html>>

Direct Global Power: <<http://www.directglobalpower.com/index.html>>

#### **SOLON AG Acquisition 7-6-05**

SOLON AG is acquiring 100% of the shares in Hilber Technic Cooperation GmbH (HTC), Steinach am Brenner (Austria) from the previous shareholders. HTC manufactures the



SOLON Mover, a double axial PV tracking system. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUCO192.htm>>  
SOLON AG: <<http://www.solonag.de/>>  
SOLON-Mover: <<http://www.solonmover.com/>>  
RenewableEnergyAccess Product News:  
<<http://www.renewableenergyaccess.com/rea/news/productstory?id=33959>>  
HTC: <<http://www.htc.co.at/Kontakt.html>>

#### **Centrotec - Econcern Agreement 7-5-05**

Centrotec Sustainable AG has concluded a firm delivery agreement for PV cells with Econcern B.V. The parties also agreed to establish a joint venture for the production of solar modules. The solar cells are to be manufactured by Solland, in which Econcern holds a minority interest. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUMA74.htm>>  
Centrotec Sustainable AG: <<http://www.centrotec.de/>>

#### **MVSystems Order [Arun Madan] 7-5-05**

MVSystems, Inc. announced that it has received an order from The University of Waterloo, Canada for MVS's patented reel to reel cluster tool system to be used for flexible thin film silicon solar cell and display development. MVSystems, Inc. press.  
MVSystems, Inc.: <<http://www.mvsystems.info/>>  
E-mail: [amadan@mvsystemsinc.com](mailto:amadan@mvsystemsinc.com)

#### **SOLON AG Bonds 7-5-05**

SOLON AG has successfully placed its issue of convertible bonds with private and institutional investors inside and outside Germany. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUCO191.htm>>  
SOLON AG: <<http://www.solonag.de/>>

#### **Carmanah Acquisition of Soltek 7-5-05**

Carmanah Technologies announced that the company has acquired all of the issued and outstanding shares of Soltek Powersource Ltd. (SPS). Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAC0341.htm>>  
Carmanah: <<http://www.carmanah.com/>>  
SPS Energy Solutions: <<http://www.spsenergy.com/>>

#### **BP Certified Fitters 7-1-05**

BP Solar celebrated the start of a new partner programme, "BP Certified Fitter". Under the motto "TEAM SOLAR" BP Solar has developed and introduced, with the 4 distribution partners, a quality and partner program. With this programme, BP Solar ensures quality standards above and beyond the pure module sales and creates a partner network of solar technology experts with the 4 distribution partners and the certified fitters. For more on this programme, see BP Solar at:  
<<http://www.bp.com/genericarticle.do?categoryId=9002555&contentId=7006975>>

### **Renewables Programs, Projects**

#### **Illinois Renewable Energy Requirement 7-29-05**

The Illinois Commerce Commission adopted governor Blagojevich's Sustainable Energy Plan. Under the plan, a new Renewable Portfolio Standard will require the state's electric utilities to draw on renewable energy sources for 2% of their electricity needs by the end of 2006, increasing by 1% per year until 2012. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=34813>>

#### **Malaysian Renewable Energy Project 7-26-05**

The RM95 million Malaysia Building Integrated Photovoltaic Project, a national project on renewable energy, was officially launched by Minister of Energy, Water and Communications, Datuk Seri Dr Lim Keng Yaik. More on this project through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:  
<[http://www.bernama.com.my/bernama/v3/news\\_business.php?id=146962](http://www.bernama.com.my/bernama/v3/news_business.php?id=146962)>  
Additional Malaysian press on PV:  
<<http://thestar.com.my/lifestyle/story.asp?file=/2005/7/26/lifefocus/11519839&sec=life focus>>

### **Renewable Energy Standards in Texas and California 7-22-05**

An article on "Renewable Energy Standards Adjusted in Texas and California", can be found at: <<http://www.newrules.org/de/archives/000070.html>>

### **Australia, Solar Cities 7-22-05**

Several cities are vying for the 4 spots available under the Solar Cities Program in Australia. Press at: <<http://www.abc.net.au/news/items/200507/1420258.htm?central>>  
<<http://www.abc.net.au/news/newsitems/200507/s1419085.htm>>  
Solar Cities: <<http://www.greenhouse.gov.au/solarcities/>>

### **More on Solar in Shanghai 7-22-05**

According to Cui Rongqiang, director of the Institute of Solar Energy at Shanghai Jiao Tong University, every roof can be transformed into a small solar generating unit. Given the city's average annual sunlight, even 100,000 roofs could generate 430 million kWh of electricity every year. Story at: <<http://edu.sina.com.cn/en/2005-07-22/114233892.html>>

### **Net-Zero PV Homes [Bill Eggertson] 7-21-05**

The federal government in Canada will contribute \$1 million to launch the first phase of a net-zero energy housing initiative that initially will install PV panels for green power, and later include geothermal heat pumps for green heat. The initiative will see net-zero energy home demonstrations across Canada within 18 months. The first phase is a plan for a community-scale demonstration of 1,500 homes to be started within 5 years. "This announcement represents an important signal to industry that sustainable housing and renewable energy technologies will play an important role in our communities in the future," says Milfred Hammerbacher of the Net Zero Energy Home Coalition. Source: Bill Eggertson, Canadian Association for Renewable Energies: <<http://www.renewables.ca/main/main.php>>

### **Solar Power in Washington State 7-20-05**

For a story on solar incentives in Washington State, see: <[http://seattlepi.nwsourc.com/local/233259\\_ncenter20.html?source=rss](http://seattlepi.nwsourc.com/local/233259_ncenter20.html?source=rss)> and the referenced links:  
Solar Washington: <<http://www.solarwashington.org/>>  
<<http://www.energy.wsu.edu/projects/renewables/solar.cfm>>  
<<http://www.nwalliance.org/>>

### **New England Renewable Energy Policy 7-20-05**

More than 50 New England renewable energy business leaders and policymakers convened the New England Roundtable on Federal Renewable Energy Policy to lay the groundwork for recommendations to help Congress and the states to better implement clean energy solutions. For more on these roundtables, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=34581>>  
ACORE: <[http://www.acore.org/05policy\\_roundtable.php](http://www.acore.org/05policy_roundtable.php)>

### **U.S. Rural Renewables Loans 7-20-05**

Guaranteed loan funds are available to agricultural producers and rural small businesses that invest in renewable energy systems and energy efficiency. For the story, see ReFocus at: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=79424685&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=79424685&accnum=1&topics=>)>  
USDA Press Release at: <<http://www.usda.gov/wps/portal/!ut/p/ s.7 0 A/7 0 10B?contentidonly=true&contentid=2005/07/0261.xml>>

### **Western Australian Solar Plan 7-20-05**

The Western Australian Government has announced a \$27.8 million plan to provide schools and state housing with solar power. Story through Solarbuzz at: <<http://www.abc.net.au/news/newsitems/200507/s1418607.htm>>

### **Solar Considered for China Roofs 7-20-05**

Per this article from the Shanghai Daily News, the city government is looking into a plan to install solar panels on the roofs of 100,000 buildings around the city to

relieve power shortages and reduce pollution from coal. Story at:  
<<http://english.eastday.com/eastday/englishedition/metro/userobject1ai1270207.html>>

#### **Renewables in Illinois 7-19-05**

Illinois State energy regulators approved a plan that sets targets for the percentage of power supplies electric companies get from renewable sources. Story at:  
<<http://www.belleville.com/mld/belleville/news/12171389.htm>>

#### **Solar Energy in Oregon 7-19-05**

Since 2003, Oregon's solar generation has grown by one MW, made possible by the solar electric program from Energy Trust of Oregon, Inc. and energy tax credits managed by the Oregon Department of Energy. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=34534>>  
Energy Trust of Oregon: <<http://www.energytrust.org/>>

#### **New Hampshire Renewables 7-15-05**

New Hampshire's Governor John Lynch signed into law a bill to create a committee to study incentives for renewable energy generation in the state. Previously, an Executive Order was announced for state agencies to decrease their energy usage over time by 10% and creating a new position for the state's first Energy Manager. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=34441>>

#### **Solar Resource Assessment & Forecasting [IEA Open Energy Technology Bulletin] 7-14-05**

"Solar resource knowledge management" is the mission of a project recently launched by IEA's Solar Heating and Cooling Programme, with the aim to ensure that the solar energy industry, the power sector and other stakeholders have better access to more reliable, standardized information on spatial and temporal solar coverage. See the work plan at: <[http://spider.iea.org/impagr/cip/pdf/ieapvps\\_task36.pdf](http://spider.iea.org/impagr/cip/pdf/ieapvps_task36.pdf)>  
IEA Bulletin: <<http://spider.iea.org/impagr/cip/index.htm#three>>

#### **Renewable Energy Fund for Asia 7-13-05**

A new Euro 50 million sustainable energy investment fund is to be established in Bangkok. The Private Energy Market Fund 2 aims to provide investment capital for renewable energy and energy efficiency projects and services. Seed financing has been provided by REEEP and EPP. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=34372>>  
REEEP press: <<http://www.reeep.org/index.cfm?articleid=1189>>  
Renewable Energy & Energy Efficiency Partnership: <<http://www.reeep.org/>>  
Emerging Power Partners: <<http://www.fvca.fi/english/node/203>>

#### **Vermont Renewables 7-12-05**

For a story on Vermont's new Renewable Portfolio Standard, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=34310>>

#### **Ex-Im Bank Financing 7-12-05**

The Export-Import Bank of the U.S. is now offering export financing on repayment terms of up to 15 years for U.S. exports of goods and services to be used in certain renewable energy and water projects. Information at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=34308>>  
Ex-Im Bank: <<http://www.exim.gov/pressrelease.cfm/066CECD8-0C01-72B2-D0E30937DA6A0B7B/>>

#### **Colorado, Amendment 37 [CRES, David Bowden] 7-11-05**

The Colorado Public Utilities Commission will hold public hearings on its proposed rules for Amendment 37 this week. Information at CRES: <[http://cres-energy.org/newhtml/action\\_div1.html](http://cres-energy.org/newhtml/action_div1.html)>  
CRES: <<http://www.cres-energy.org/>>  
Amendment 37, The Renewable Energy Initiative: <<http://www.renewableenergyyes.com/>>  
Colorado Public Utilities Commission:  
<<http://www.dora.state.co.us/puc/rulemaking/RulemakingNotices.htm#05R112E>>

#### **Maine's Solar Rebate Program 7-8-05**

Maine's solar rebate program passed in the legislature in mid-June, and was signed into law June 29 by Governor John Baldacci. The rebate should cover about 25% of the cost (including installation) of the average-sized residential or small business solar electric or solar thermal system. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34187>>

Maine's Solar Energy Rebate Program:

<[http://www.state.me.us/mpuc/staying\\_informed/news/news\\_releases/prSolarRebate.htm](http://www.state.me.us/mpuc/staying_informed/news/news_releases/prSolarRebate.htm)>

#### **SMUD Funds for Solar 7-7-05**

Sacramento Municipal Utility District has added another \$150,000 in rebates to the PV Pioneer 2 program. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO258.htm>>

SMUD: <<http://www.smud.org/>>

#### **California's Million Solar Roofs Bill [Bernadette Del Chiaro] 7-7-05**

The Million Solar Roofs bill, SB 1, cleared the Assembly Utilities and Commerce Committee yesterday, the Assembly Housing and Community Development Committee today, and goes to the Assembly Appropriations Committee in late August before going to the Assembly floor. [e-mail press from Environment California]

Environment California:

<<http://environmentcalifornia.org/envirocalifenergy.asp?id2=13512>>

Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO259.htm>> and

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=34134>>

#### **University Centers on Energy [EERE Network News, Kevin Eber] 7-6-05**

A number of universities are ramping up their involvement in energy issues. For information on Rensselaer Polytechnic Institute, MIT, and The California Clean Energy Fund support of a university, see EERE Network News [Kevin Eber] at:

<<http://www.eere.energy.gov/news/#9170>>

RenewableEnergyAccess on Rensselaer:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34088>>

#### **Connecticut Clean Energy Fund Draft 7-6-05**

The Connecticut Clean Energy Fund has issued a draft of its "Call for Applications for Operational Demonstration Projects" for public comment. For more information, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34083>>

Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

Connecticut Innovations: <<http://www.ctinnovations.com/>>

#### **California Million Solar Roofs Campaign 7-6-05**

The State Assembly's Utilities & Commerce Committee will vote today on the Million Solar Roofs bill, SB 1. Coverage at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34085>>

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO257.htm>>

Environment California: <<http://www.environmentcalifornia.org/>>

Vote Solar: <<http://www.votesolar.org/>>

#### **Green Power, TVA 7-1-05**

TVA's Green Power Switch Generation Partners® is a program that provides support and incentives for the installation of solar and wind generating facilities. For more on this program, see:

<<http://www.tva.gov/greenpowerswitch/partners/>>

<[http://www.dsireusa.org/library/includes/incentive2.cfm?Incentive\\_Code=TN02F&state=TN&CurrentPageID=1](http://www.dsireusa.org/library/includes/incentive2.cfm?Incentive_Code=TN02F&state=TN&CurrentPageID=1)>

Example of applications: <<http://www.volunteertv.com/Global/story.asp?S=3544111>>

<[http://www.millionsolarroofs.org/articles/static/1/1106150971\\_1023713684.html](http://www.millionsolarroofs.org/articles/static/1/1106150971_1023713684.html)>

<[http://www.solarelectricpower.org/SEPA\\_Member\\_News/index\\_detail.cfm?LinkAdvID=42776](http://www.solarelectricpower.org/SEPA_Member_News/index_detail.cfm?LinkAdvID=42776)>

#### **Nevada Green Building and Renewables Mandate 7-1-05**

Nevada Governor Kenny Guinn approved a bill on June 17<sup>th</sup> that will create new incentives and standards for green building in the state, while modifying the state's

renewable energy requirement. Story and link to bill at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33952>>  
Bill Status: <<http://www.leg.state.nv.us/22ndSpecial/Reports/history.cfm?ID=2546>>

### Meetings, Gatherings, Conferences

#### **Solarbration 7-26-05**

Whole Foods Market and BP Solar are holding a Summer Solarbration event at the natural and organic supermarket's new store in Princeton, New Jersey. The event will officially dedicate the 126.7-kW BP Solar array. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b6AB9F6CE-C4E3-4957-8087-2F43FA8689E0%7d&siteid=mktw&dist=nbk&symp=>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

#### **Electricity from PV Concentrators 7-15-05**

Solar concentrators using highly efficient photovoltaic solar cells will reduce the cost of electricity from sunlight to competitive levels soon, attendees were told at a recent international conference on the subject. Growth in the PV concentrator business was reflected in the conference attendance, three times that of the 2003 version. For highlights of the conference, see the press release at:  
<[http://www.nrel.gov/news/press/2005/2405\\_pv\\_concentrators.html](http://www.nrel.gov/news/press/2005/2405_pv_concentrators.html)>  
<<http://www.nrel.gov/ncpv/scc/>>

#### **More on Uni-Solar Groundbreaking 7-15-05**

Uni-Solar broke ground Thursday for a 2nd manufacturing facility, and the project will create 200 jobs when finished next May. Said U.S. Energy Secretary Samuel Bodman during a tour, "This has the potential to have a major impact on energy availability throughout the world". Press at:  
<<http://www.detnews.com/2005/business/0507/15/D01-248671.htm>>  
For DOE Press on Energy Secretary Bodman's tour of Uni-Solar and his attendance at the groundbreaking, see:  
<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18320&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18320&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>  
Uni-Solar Ovonic: <<http://www.uni-solar.com/In The News Corp.html>>

#### **Uni-Solar Ovonic Groundbreaking 7-14-05**

United Solar Ovonic LLC announced the groundbreaking for United Solar Ovonic's second 25-MW thin-film triple-junction solar module manufacturing facility in Auburn Hills, Michigan. Said U.S. DOE Energy Secretary Samuel Bodman, "I congratulate Uni-Solar on this groundbreaking that will bring 200 jobs to the Auburn Hills area. This new facility will help provide consumers and contractors with another option to reduce energy costs and improve energy efficiency". More at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0AC9C875-8DA0-4338-AF3E-D74CD15A95FC%7d&siteid=mktw&dist=nbk&symp=>>  
Uni-Solar Ovonic: <<http://www.uni-solar.com/>>

#### **More on Secretary Bodman at Uni-Solar Groundbreaking 7-13-05**

Secretary of Energy Samuel Bodman will tour Uni-Solar's thin-film solar panel manufacturing facility, and join officials for the groundbreaking of Uni-Solar's new manufacturing facility, on 14 July. DOE Press at:  
<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18303&BT\\_CODE=PR\\_MEDIAADVISORIES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18303&BT_CODE=PR_MEDIAADVISORIES&TT_CODE=PRESSRELEASE)>  
Uni-Solar Ovonic: <<http://www.uni-solar.com/In The News Corp.html>>

#### **EverQ Groundbreaking 7-13-05**

Evergreen Solar celebrated the groundbreaking of its 30-MW solar wafer, cell and module manufacturing plant in Thalheim, Germany. The plant is being constructed by EverQ, a strategic partnership between Evergreen Solar, Inc. and Q-Cells AG. Stories at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA75.htm>> and <[http://www.ecoreporter.de/index.php?action=,114,,,120,,,119\\_n13663](http://www.ecoreporter.de/index.php?action=,114,,,120,,,119_n13663) >  
Evergreen Solar: <<http://www.evergreensolar.com/egsolar1/index.html>>  
Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>

### **SolarForum 7-11-05**

The Rahun Institute has arranged to host a California Solar Center-Solar Forum on 13 September at the Santa Clara Convention Center. Information on the California Solar Initiative will be presented, as well as other topics. Press at:

<[http://www.californiasolarcenter.org/reg\\_forumsept2005.html](http://www.californiasolarcenter.org/reg_forumsept2005.html)>

The Rahun Institute: <<http://www.rahun.org/>>

### **National Green Power Marketing Conference 7-8-05**

For information about the Tenth Green Power Marketing Conference set for 24-26 October, 2005 in Austin, Texas, see:

<<http://www.eere.energy.gov/greenpower/conference/>>

### **PV Med Conference 7-8-05**

The second steering committee of PV Med was held in mid-June in Rome, with discussion of the aim of the conference that will take place in Catania, Sicily on 5-6 October 2005. Press at:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=06&c\\_cat=13](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=06&c_cat=13)>

### **More on Advent Solar Ribbon-Cutting 7-6-05**

As part of a ribbon-cutting ceremony, both of New Mexico's U.S. Senators attended the launch of a pilot production facility on May 3 at Advent Solar Inc., a PV start-up aiming for commercial production of back-contact emitter wrap-through cells. Coverage at Photon International: <[http://www.photon-magazine.com/news/news\\_2005-06%20am%20sn%20Advent.htm](http://www.photon-magazine.com/news/news_2005-06%20am%20sn%20Advent.htm)>

Advent Solar: <<http://www.adventsolar.com/>>

## **U.S. Congress In Action**

### **Comprehensive Energy Bill 7-29-05**

The House passed the Energy Bill, and the Senate will consider it today. Example of press: <<http://www.renewableenergyaccess.com/rea/news/story?id=34850>>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6969172&ResultCategoryType=2,7&NewsPageID=3>>

<<http://www.msnbc.msn.com/id/8739555/>>

### **Comprehensive Energy Bill 7-28-05**

The text of the conference report accompanying the energy policy bill can be found at: <[http://www.house.gov/rules/hr6\\_textconfrept.pdf](http://www.house.gov/rules/hr6_textconfrept.pdf)> (~1700 pages). Solar and photovoltaics references can be found using the pdf-search function. See in particular the sections on renewable energy resource assessment (161), renewable energy production incentive (163), Federal purchase requirement (167), PV energy in public buildings (170), GSA authorization on Sun Wall Design (180), renewable energy resources on public lands (192), solar and wind technologies for hydrogen (803), R&D-solar/PV (851), concentrating solar (864), and tax provisions (1222, 1234, 1374).

### **Comprehensive Energy Bill 7-27-05**

SEIA has outlined the solar provisions in the energy bill's tax title; see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNAGO262.htm>>

For coverage of the bill at RenewableEnergyAccess, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34725>>

Links to the full conference report should be available shortly.

SEIA: <<http://www.seia.org/>>

### **Comprehensive Energy Bill 7-26-05**

The conference committee on the comprehensive energy bill rejected Senator Jeff Bingaman's proposal to implement a 10% renewable portfolio standard by 2030. Conference negotiations were completed early this morning, opening up the opportunity for the bill to go to the House and Senate for final passage this week.

Related press:

<<http://www.nytimes.com/2005/07/26/politics/26energy.html?ex=1208750400&en=c2a68aab05e3ce15&ei=5035&partner=MARKETWATCH>>

<<http://www.msnbc.msn.com/id/8705656/>>



#### **Comprehensive Energy Bill 7-25-05**

According to E&E Daily [subscription], conferees have left several energy bill issues to be resolved at today's final conference mark up session including renewable portfolio standards.

Environment & Energy Daily: <<http://www.eenews.net/index.php>>

#### **Comprehensive Energy Bill 7-22-05**

According to E&E Daily [subscription] the House-Senate conference committee will take up renewable portfolio standards, hydropower and geothermal energy, climate change, ethanol and fuels, and research and development on Sunday.

E&E Publishing, LLC: <<http://www.eenews.net/aboutus/ee.htm>>

#### **Comprehensive Energy Bill 7-21-05**

According to EE News [subscription], the draft conference language on electricity released yesterday was missing the section on RPS, and aides said the negotiations are continuing and it is likely to come up during a conference meeting on Monday. Parts of the electricity title and renewable energy title, the Indian energy title, and others will be discussed today.

Environment & Energy Daily [subscription] website: <<http://www.eenews.net/index.php>>

Energy bill provisions at Senate site:

<[http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem\\_ID=18](http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem_ID=18)>

#### **Comprehensive Energy Bill 7-20-05**

On tap for the Energy Bill conference are electricity, Indian energy, portions of the renewables titles, and possibly the Senate's proposal for the president to take action to reduce oil consumption by 1 million barrels per day. Updates at:

<[http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease\\_id=234729&Month=7&Year=2005](http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease_id=234729&Month=7&Year=2005)>

#### **Comprehensive Energy Bill 7-19-05**

Progress is being made on House-Senate agreements on several titles in the Energy Bill now in conference. Files for today's mark-up:

<[http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem\\_ID=16](http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem_ID=16)>

Senate Committee News:

<[http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease\\_id=234728&Month=7&Year=2005&Party=0](http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease_id=234728&Month=7&Year=2005&Party=0)>

Example of press:

<<http://go.reuters.co.uk/newsArticle.jhtml?type=scienceNews&storyID=9113742&section=news&src=rss/uk/scienceNews>>

#### **Comprehensive Energy Bill 7-18-05**

For coverage of the comprehensive energy bill now in conference, see "House-Senate Energy Bill: Differing Solar Provisions" at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aSIc5YDP79Sc?id=34498>>

And for the article cited at Solarbuzz,

"Energy bill would charge up production at Sharp", see:

<[http://www.bizjournals.com/memphis/stories/2005/07/18/story3.html?from\\_rss=1](http://www.bizjournals.com/memphis/stories/2005/07/18/story3.html?from_rss=1)>

#### **U.S. Comprehensive Energy Policy Bill 7-11-05**

The House-Senate conference on the energy policy bill is expected to begin this week. Republican conferees include: Energy and Natural Resources Committee Chairman Pete Domenici of New Mexico, Finance Committee Chairman Chuck Grassley of Iowa and Sens.

Larry Craig (Idaho), Craig Thomas (Wyo.), Lamar Alexander (Tenn.), Lisa Murkowski (Alaska), Richard Burr (N.C.) and Orrin Hatch (Utah). Democratic conferees are:

Energy and Natural Resources ranking member Jeff Bingaman of New Mexico, Finance Committee ranking member Max Baucus of Montana and Sens. Daniel Akaka (Hawaii), Byron Dorgan (N.D.), Ron Wyden (Ore.) and Tim Johnson (S.D.).

More information at SEIA: <<http://www.seia.org/>>

#### **U.S. Comprehensive Energy Bill 7-7-05**

A copy of the Senate's version of the comprehensive energy bill can be found at:

<<http://energy.senate.gov/public/>>

### **Comprehensive Energy Bill Senate Conferees 7-5-05**

Republican conferees are: Energy and Natural Resources Committee Chairman Pete Domenici of New Mexico, Finance Committee Chairman Chuck Grassley of Iowa and Sens. Larry Craig (Idaho), Craig Thomas (Wyo.), Lamar Alexander (Tenn.), Lisa Murkowski (Alaska), Richard Burr (N.C.) and Orrin Hatch (Utah).

Democratic conferees are: Energy and Natural Resources ranking member Jeff Bingaman of New Mexico, Finance Committee ranking member Max Baucus of Montana and Sens. Daniel Akaka (Hawaii), Byron Dorgan (N.D.), Ron Wyden (Ore.) and Tim Johnson (S.D.).

The House has not appointed its conferees yet.

### **FY 2006 Energy Appropriations 7-1-05**

The Senate passed their version of the Energy & Water Development Appropriations bill early this morning.

## **Reports, Publications, Statements**

### **SEIA on the Energy Bill 7-29-05**

See the Solar Energy Industries Association website for coverage of the comprehensive energy bill, for example the current article "SEIA Hails Passage of Landmark Solar Provisions in Federal Energy Bill" that gives an overview of the solar provisions at <<http://www.seia.org/>>. Also watch for additional coverage that will be posted to this website shortly.

### **After Oil 7-29-05**

For the article "After Oil: Alternative energy slow to take hold", see: <<http://www.msnbc.msn.com/id/7549530/>>

### **Distributed Energy Stock Index 7-29-05**

The Distributed Energy Financial Group, LLC announced the launch of the Distributed Energy Stock Index. The DESI is comprised of approximately 30 leading publicly traded companies in the energy market listed on major stock exchanges in North America and broken into 5 segments including renewable, hydrogen and fuel cells. Press at: <<http://www.defgllc.com/update.php>>

### **White House Agreement 7-28-05**

The United States, Australia, China, India, South Korea and Japan will participate in a new program aimed at moving to cleaner burning energy technologies. For the White House statement, see: <<http://www.whitehouse.gov/news/releases/2005/07/20050727-11.html>>

### **BIPV for Energy Security and Infrastructure Protection 7-28-05**

Per this press, as terrorist attacks continue and natural disasters as well as power failures place our energy supply and infrastructure at risk, technologies such as BIPV represent a viable opportunity for protection against the vulnerability of the existing electric grid. More at RenewableEnergyStocks.com: <<http://www.renewableenergystocks.com/Companies/RenewableEnergy/RES/Photovoltaics.asp>> Press: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b05E57F40-789D-4B77-8A73-428FEF122BEF%7d&siteid=mktw&dist=nbk&symp=>>>

### **Photon International Articles 7-28-05**

See Photon International on line for active links to a number of the July 2005 articles, for example:

BP Solar capacity increase at Spanish factories: <[http://www.photon-magazine.com/news/news\\_2005-07\\_am\\_sn\\_bp.htm](http://www.photon-magazine.com/news/news_2005-07_am_sn_bp.htm)>

Kaneka's a-Si production capacity: <[http://www.photon-magazine.com/news/news\\_2005-07\\_ap\\_kaneka.htm](http://www.photon-magazine.com/news/news_2005-07_ap_kaneka.htm)>

Australia's PV rebate: <[http://www.photon-magazine.com/news/news\\_2005-07\\_au\\_program.htm](http://www.photon-magazine.com/news/news_2005-07_au_program.htm)>

And, a tribute to Mark Fitzgerald: <[http://www.photon-magazine.com/personalities/personalities\\_05-07\\_sn\\_fitzgerald.htm](http://www.photon-magazine.com/personalities/personalities_05-07_sn_fitzgerald.htm)>

Also, see the article in the hardcopy [subscription] on "Cell improvements and capacity growth fuel new hope in PV concentrators", and other articles. Contents at: [http://www.photon-magazine.com/photon/news\\_issue\\_2005-07.htm](http://www.photon-magazine.com/photon/news_issue_2005-07.htm)

#### **Updates to Renewables & Energy Efficiency Project Software 7-27-05**

The RETScreen® International Clean Energy Decision Support Center was created in 1996 to build the capacity of planners and decision makers for implementing renewable energy and energy efficiency projects. The latest module to be added to the software is for combined heat and power. Within the past 2 months, RETScreen has updated its models on solar water heating, biomass, passive solar, ground source heat pumps and solar air heating. See the article at ReFocus: [http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=2436466&accnum=1&topics=](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=2436466&accnum=1&topics=) RETScreen® International: <http://www.etscreen.net/>

#### **Green Power in the Electricity Sector 7-2-7-05**

"There are likely multiple pathways to a low-carbon future for the electricity sector, and most involve some portfolio of technological solutions," including renewables, increased efficiency in generation and transmission, nuclear, and coal with carbon capture and sequestration, according to "U.S. Electric Power Sector & Climate Change Mitigation". For more on this report, see ReFocus at: [http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=7484552&accnum=1&topics=](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=7484552&accnum=1&topics=) Report: [http://www.pewclimate.org/global-warming-in-depth/all\\_reports/electricity/index.cfm](http://www.pewclimate.org/global-warming-in-depth/all_reports/electricity/index.cfm)

#### **EERE Network News [Kevin Eber] 7-27-05**

For the latest issue of EERE Network news, with articles on the Wal-Mart Experimental Store, Coney Island integrated solar roof, Illinois requirements for renewable energy, North American Solar Challenge, and others, see: <http://www.eere.energy.gov/news/>

#### **Japan's Solar Energy Pace 7-27-05**

For the article "Japan slips off solar energy pace", see the article through RenewableEnergyAccess <http://renewableenergyaccess.com/rea/news/story?id=34721> at: <http://www.asahi.com/english/Herald-asahi/TKY200507230168.html>

#### **National Geographic on Power [Kannan Ramanathan] 7-26-05**

For more on the article "Future Power, Where Will the World Get Its Next Energy Fix?" including the section on "Solar: Free Energy, At a Price", see: <http://www7.nationalgeographic.com/ngm/0508/feature1/fulltext.html>

#### **Renewables in a Utility Model 7-25-05**

Per this article on a new report from Thinking Energy on renewables options, only wind power is applicable for new, large-scale electricity generation at the moment. The article states that while PV solar power is gaining acceptance with homeowners, through subsidies and tax breaks, it is still a long way from the conversion efficiency levels needed to attract utilities. Story at: <http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B9BAE699E%2D6530%2D4CE8%2DA444%2DE638D5B37096%7D> The Thinking Companies, Inc.: <http://www.thinkingenergy.com/renewables.htm>

#### **EPIA On-line PV Pictures Database [EPIA] 7-25-05**

The European Photovoltaic Industry Association has published on-line the "world's largest PV pictures database". The picture gallery is accessible at: <http://www.epia.org/04Media/Pictures.asp> (see copyright notice) EPIA Press: [http://www.epia.org/documents/PR\\_25072005.pdf](http://www.epia.org/documents/PR_25072005.pdf) EPIA: <http://www.epia.org/>

#### **Debate on Climate Change 7-22-05**

For opinions on climate change and what could be done in the energy bill, see the article at: <http://www.marketwatch.com/news/story.asp?guid={A0DC117A-1D1B-49C8-BF61-A0801A7073C8}&siteid=mktw&dist=nbk>

**Alternative Energy Promise 7-22-05**

For the press, "Alternative energy sources show great promise: US energy secretary", see:

<[http://news.yahoo.com/s/afp/20050721/pl\\_afp/usenergyalternative%3B\\_ylt=A86.I060COFCYQABLxIPLBIF%3B\\_ylu=X3oDMTBiMW04NW9mBHNLYwMLJVRPUCU1](http://news.yahoo.com/s/afp/20050721/pl_afp/usenergyalternative%3B_ylt=A86.I060COFCYQABLxIPLBIF%3B_ylu=X3oDMTBiMW04NW9mBHNLYwMLJVRPUCU1)>

**Science Magazine Article 7-22-05**

For reference to an article, "Is it time to shoot for the Sun?", at Science Online [membership required for access], see:

<<http://www.sciencemag.org/cgi/content/summary/309/5734/548?rbfvrToken=c8638311cfe6e6f980f677176d876840a054298d>>

Basic Research Needs for Solar Energy 7-22-05

To access the U.S. DOE Office of Science report on "Basic Research Needs for Solar Energy Utilization", go to: <[http://www.sc.doe.gov/bes/reports/files/SEU\\_rpt.pdf](http://www.sc.doe.gov/bes/reports/files/SEU_rpt.pdf)>

**More on PV Concentrators 7-21-05**

For coverage of solar concentrators using highly efficient PV solar cells in the article "Cost-Competitive Solar Called 'Imminent'", see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34626>>

**Cypress Spin-off IPO and Second-quarter Results 7-21-05**

Per this article, Cypress Semiconductor Corp. said it plans to take its solar power subsidiary, SunPower, public in the fourth quarter of 2005. Press at:

<<http://biz.yahoo.com/bizj/050721/1137544.html?v=1>>

Cypress Semiconductor Corp. also announced their second-quarter results. Per the press, revenue from SunPower Corp., Cypress's silicon solar power subsidiary, was up 50% from the prior quarter, slightly exceeding their growth expectation. For more on highlights, see:

<<http://www.cypress.com/portal/server.pt?space=CommunityPage&control=SetCommunity&CommunityID=208&PageID=218&DirectoryID=655825>>

SunPower: <<http://www.sunpowercorp.com/html/Company/News/news.html>>

**Polysilicon Shortage 7-21-05**

The SEMATECH-led Critical Materials Council will investigate strategies to improve the short-term supply of polysilicon for the semiconductor industry. For more on this story, see: <<http://biz.yahoo.com/iw/050720/091290.html>>

SEMATECH: <<http://www.sematech.org/>>

**Desert Sun Editorial 7-20-05**

For an editorial "The Sun supports solar solution to energy crunch", see:

<<http://www.thedesertsun.com/apps/pbcs.dll/article?AID=/20050720/OPINION01/507200317/1004>>

**Governors on Renewables 7-20-05**

Seven governors of U.S. states have urged President Bush to make energy independence a top national priority. For the story, see ReFocus at:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=92332094&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=92332094&accnum=1&topics=>)

ApolloAlliance letter:

<<http://www.apolloalliance.org/docUploads/Governors%20Letter%20Final%20Epdf>>

ApolloAlliance: <<http://www.apolloalliance.org/>>

**EERE Network News [Kevin Eber] 7-20-05**

For the latest issue of EERE Network News, including coverage of Energy Secretary Bodman at Uni-Solar, record efficiencies for concentrating solar cells, and the Solar Decathlon, see: <<http://www.eere.energy.gov/news/>>

**Canadian Renewables Information [Bill Eggertson] 7-19-05**

For news from the Canadian Association for Renewable Energy, see:

<<http://www.renewables.ca/main/main.php>>

**California Energy Commission Fact Sheets [Kevin Kidd] 7-18-05**

New Renewable Energy Fact Sheets for solar and other renewables are on line at:  
<[http://www.energy.ca.gov/renewables/documents/education\\_documents.html#materials](http://www.energy.ca.gov/renewables/documents/education_documents.html#materials)>

**National Geographic "Powering the Future" 7-15-05**

Look for National Geographic's August issue for "Powering the Future", with several pages on solar electric generation. National Geographic:  
<[http://seabed.nationalgeographic.com/ngm/match2.tpl?issue\\_id=20050701](http://seabed.nationalgeographic.com/ngm/match2.tpl?issue_id=20050701)>

**Interstate Renewable Energy Council Newsletter [Jane Pulaski] 7-15-05**

For the latest IREC newsletter covering schools going solar (including Florida's DEP RFP for Solar Schools), interconnection/net metering, incentives/rebates, community outreach, training/certification, DOE's Million Solar Roofs, and other news, see:  
<<http://www.irecusa.org/commout/enewsletter.html>>

**Solar in Maryland [Jigar Shah, Claire Broido] 7-15-05**

For an article on "A Place in the Sun, Is Maryland's Solar-Power Future Shining Bright or Partly Cloudy?", providing an in-depth look and history of the politics and challenges facing solar, see: <<http://www.citypaper.com/news/story.asp?id=10295>>

**Solar in Austin, Texas 7-15-05**

For the article "Solar Power Booms in Austin", see:  
<[http://www.news8austin.com/content/top\\_stories/default.asp?ArID=141304](http://www.news8austin.com/content/top_stories/default.asp?ArID=141304)>

**Electricity from PV Concentrators 7-15-05**

Solar concentrators using highly efficient photovoltaic solar cells will reduce the cost of electricity from sunlight to competitive levels soon, attendees were told at a recent international conference on the subject. Growth in the PV concentrator business was reflected in the conference attendance, three times that of the 2003 version. For highlights of the conference, see the press release at:  
<[http://www.nrel.gov/news/press/2005/2405\\_pv\\_concentrators.html](http://www.nrel.gov/news/press/2005/2405_pv_concentrators.html)>  
<<http://www.nrel.gov/ncpv/scc/>>

**REC Market Report 7-14-05**

Research Reports International is offering the 4<sup>th</sup> edition of its report "The Market for Renewable Energy Certificates". Information at:  
<[http://www.researchreportsintl.com/products/product.cfm?report\\_ID=58](http://www.researchreportsintl.com/products/product.cfm?report_ID=58)>

**Solar Thermal in Europe 7-13-05**

The solar thermal industry in Europe will install 1,248,940 kW of thermal capacity during 2005 according to the latest statistics from the European Solar Thermal Industry Federation. Story at ReFocus:  
<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=83735293&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=83735293&accnum=1&topics=>)  
Solar Thermal Markets in Europe, June 2005:  
<[http://www.estif.org/fileadmin/downloads/Solar\\_Thermal\\_Markets\\_in\\_Europe\\_2004.pdf](http://www.estif.org/fileadmin/downloads/Solar_Thermal_Markets_in_Europe_2004.pdf)>

**Energy Policy Recommendations 7-12-05**

In a letter sent today, 25 member groups of the Sustainable Energy Coalition submitted recommendations to the Senate conferees on the Energy Policy Act of 2005. Story at:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=34323>>  
Sustainable Energy Coalition: <<http://www.sustainableenergy.org/>>

**IREC Interconnection Newsletter [Rusty Haynes] 7-12-05**

The June 2005 IREC Interconnection Newsletter is now available at  
<<http://www.irecusa.org/connect/enewsletter.html>>. The newsletter covers state, national and international developments in interconnection standards and distributed generation, as well as related industry news, publications, people and events.

**Pew Center Summary of G8 Summit 7-11-05**

At the G8 Summit, leaders of the Group of 8 countries issued a joint communiqué and a plan of action on Climate Change, Clean Energy, and Sustainable Development. For a summary, see the Pew Center site at:  
<[http://www.pewclimate.org/policy\\_center/international\\_policy/summary\\_of\\_g8.cfm](http://www.pewclimate.org/policy_center/international_policy/summary_of_g8.cfm)>

**Emerging Renewables Guidebook 7-11-05**

The California Energy Commission's "Emerging Renewables Program Guidebook, Fifth Edition", is on line at:

<[http://www.energy.ca.gov/renewables/emerging\\_renewables.html](http://www.energy.ca.gov/renewables/emerging_renewables.html)>

**European Renewable Energy Market Review [Amy Cole] 7-8-05**

For information on Research and Market's "The European Renewable Energy Industry Market Review 2005", see the press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={C702A3EC-6C73-4344-9287-B0A54DDFF5CD}&siteid=mktw&dist=nbk&symb=>>

Research and Markets: <<http://www.researchandmarkets.com/reports/c20434/>>

**Climate Change at G8 7-8-05**

For press on the G8 positions on climate change, see Financial Times at:

<<http://news.ft.com/cms/s/55d5c00c-ef1f-11d9-8b10-0000e2511c8,stream=FTSynd,s01=2.html>> and

<<http://news.ft.com/cms/s/1abc88ae-eef8-11d9-8b10-0000e2511c8,stream=FTSynd,s01=2.html>>

**IT Power Brochure [Memusi Pulei] 7-8-05**

IT Power Group's projects involve a range of sustainable energy technologies, including wind, PV, mini and micro hydro, biomass, solar water heating, coal mine methane and landfill gas utilization. For IT Power's G8 Poverty Brochure, "The Power to Tackle Poverty and Climate Change", see G8 under News Flash at:

<<http://www.itpower.co.uk/News.htm>>

IT Power: <<http://www.itpower.co.uk/>>

**Oil Companies on Climate Change 7-7-05**

For the article "Oil Chiefs Disagree on Issue of Climate Change", see Financial Times at: <<http://news.ft.com/cms/s/0e5fbade-ee34-11d9-98e5-0000e2511c8,stream=FTSynd,s01=2.html>>

**Investment in Renewables to Mitigate Climate Change 7-6-05**

According to the report, "Climate Change & the Financial Sector: An Agenda for Action", "Renewable energy technologies can be both a contribution to the mitigation of GHG emissions and a business opportunity for project developers and investors". For more on this report, see ReFocus at:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=78367251&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=78367251&accnum=1&topics=>)

Link to Report:

<[http://www.allianzglobalinvestors.com/Az/Cnt/az/any/cma/contents/841000/saObj\\_841954\\_saObj\\_839079\\_Allianz\\_WWF\\_Climate\\_Change\\_Study\\_Report\\_91\\_1\\_93.pdf](http://www.allianzglobalinvestors.com/Az/Cnt/az/any/cma/contents/841000/saObj_841954_saObj_839079_Allianz_WWF_Climate_Change_Study_Report_91_1_93.pdf)>

**European PV 7-6-05**

"The European Commission has been carrying out an intense action in the renewable energy field and, in particular, in the photovoltaic sector, consisting of both policy measures and research and demonstration programmes" according to the paper "European Photovoltaic RTD & Demonstration Programme" presented at the European PV conference in Barcelona. See the story at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=40082949&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=40082949&accnum=1&topics=>)

Paper:

<[http://europa.eu.int/comm/energy/res/sectors/doc/photovoltaic/pv\\_solar\\_conference\\_barcelona.pdf](http://europa.eu.int/comm/energy/res/sectors/doc/photovoltaic/pv_solar_conference_barcelona.pdf)>

**Research and Markets PV Report 7-6-05**

Research and Markets has announced the addition of "Year 2010: Photovoltaic Industry and European Union" to their offering. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b94f4de52-67c1-4f17-8b6a-5989c9860593%7d&siteid=mktw&dist=nbk&symb=>>

Research and Markets Report: <<http://www.researchandmarkets.com/reports/c20335/>>



**Solar Secure Schools 7-5-05**

For an RE Insider's article, "The Future of Solar Secure Schools", by Gerald Braun, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34055>>

**Electric City on "Negawatts" and Renewables 7-1-05**

Electric City said the Senate's energy bill should lead to increased interest in demand reduction technologies, like the Company's Virtual "Negawatt" Power System, to help manage the nation's peak electric demand. And, the emphasis on renewable energy helps to provide additional growth drivers for Demand Response. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bD5F1F8D0-D22B-4B7F-9022-C03A624FB258%7d&siteid=mktw&dist=nbk&symp=>>

Electric City: <<http://www.elccorp.com/>>

"Negawatt" (VNPP®): <<http://www.elccorp.com/negawatt.html>>

**Solicitations, RFPs, LOIs, etc. & Awards**

**PG&E Renewable Energy Purchase 7-26-05**

Pacific Gas and Electric Company announced it expects to issue a Request for Offers on August 4<sup>th</sup> to solicit renewable energy on behalf of its electric customers. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b413814F5-E02C-4006-A34F-F5FB5D296CD1%7d&siteid=mktw&dist=nbk&symp=>>

PG&E Press: <[http://www.pge.com/news/news\\_releases/q3\\_2005/050725a.html](http://www.pge.com/news/news_releases/q3_2005/050725a.html)>

**ISET Phase II SBIR Contract [Neil Shigeoka] 7-26-05**

ISET, Inc. announced it has been awarded a phase II contract for an undisclosed amount by the Missile Defense Agency (MDA) to develop thin film CIGS photovoltaics on flexible ceramic substrates for application on High Altitude Airships (HAA). ISET Inc. was previously awarded a phase I contract in June 2004. The MDA is presently evaluating the use of ISET's patented ink-based technology for fabricating printed CIGS solar cells to power HAA flying in near-space at an altitude of 60,000 - 70,000 ft. ISET Press release: <<http://www.isetinc.com/news.html>>

ISET: <<http://www.isetinc.com/>>

**Olympic Village LEED-ND Opportunity 7-14-05**

Designers and developers of the Olympic Village for the 2008 Beijing Olympic Games have expressed strong interest in producing a model development that will be among the first in the world to achieve a Gold Rating under the Leadership in Energy and Environmental Design-New Design. Per an invitation for expression of interest, the U.S. DOE believes that an integrated technology, services, and know-how package can be assembled that would significantly enhance the Olympic Village's ability to achieve a LEED-ND rating in 6 areas, including energy efficiency and renewable energy technologies and practices. DOE intends to work with the private sector, non-government organizations and academic institutions to form the package for submission to the Organizing Committee for the Games. For the DOE invitation for expression of interest, see:

<<http://www2.eps.gov/spg/DOE/PAM/HQ/DE%2DRF01%2D05PI99999/SynopsisR.html>>

**Energy Harvest RFP [Green Power Network] 7-7-05**

For a copy of the Pennsylvania Energy Harvest RFP for renewable energy deployment projects, see: <<http://www.dep.state.pa.us/dep/deputate/pollprev/ehg/default.htm>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/>>

**World Resources Institute RFP [Green Power Network] 7-7-05**

For a information on the World Resources Institute RFP for purchases of Renewable Energy Certificates for Green Power Market Development Group, see the pdf at:

<[http://www.eere.energy.gov/greenpower/financial/pdfs/0705\\_gpmddg\\_rfp.pdf](http://www.eere.energy.gov/greenpower/financial/pdfs/0705_gpmddg_rfp.pdf)>

Green Power Market Development Group: <<http://www.thegreenpowergroup.org/>>

World Resources Institute: <<http://www.wri.org/>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/>>

### **RECs RFP [Green Power Network] 7-1-05**

For information on an RFP for 7,000,000 kWh of Renewable Energy Certificates for various Internal Revenue Service locations, see:

<<http://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=900>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

## **Competitions**

### **North American Solar Challenge Results 7-29-05**

For coverage of the solar car race results, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34814>>

North American Solar Challenge:

<<http://nasc2005.americansolarchallenge.org/index.html>>

Also, see press photos at:

<[http://news.search.yahoo.com/search/news?p=solar&adv=1&n=10&ei=UTF-8&c=news\\_photos](http://news.search.yahoo.com/search/news?p=solar&adv=1&n=10&ei=UTF-8&c=news_photos)>

### **Solar Car Race - North American Solar Challenge Results 7-28-05**

University of Michigan was the first team across the finish line, followed by University of Minnesota. For the timing updates, see the North American Solar Challenge Website at:

<<http://www.americansolarchallenge.org/>>

Examples of extensive press at:

<[http://www.theoaklandpress.com/stories/072805/loc\\_20050728007.shtml](http://www.theoaklandpress.com/stories/072805/loc_20050728007.shtml)>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6940730&ResultCategoryType=2,7&NewsPageID=3>>

<[http://www.karell.com/news/news\\_article.aspx?storyid=103512](http://www.karell.com/news/news_article.aspx?storyid=103512)>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6940753&ResultCategoryType=2,7&NewsPageID=3>>

<<http://www.startribune.com/stories/462/5529327.html>>

<<http://www.newswire.ca/en/releases/archive/July2005/27/c5156.html>>

<[http://cfcn.theglobeandmail.com/servlet/RTGAMArticleHTMLTemplate/A,C/20050727/solarfinish?brand=generic&hub=&tf=CFCNPlus/generic/hubs/frontpage.html&cf=CFCNPlus/generic/hubs/frontpage.cfg&slug=solarfinish&date=20050727&archive=CFCNPlus&ad\\_page\\_name=&nav=home&subnav=fullstory](http://cfcn.theglobeandmail.com/servlet/RTGAMArticleHTMLTemplate/A,C/20050727/solarfinish?brand=generic&hub=&tf=CFCNPlus/generic/hubs/frontpage.html&cf=CFCNPlus/generic/hubs/frontpage.cfg&slug=solarfinish&date=20050727&archive=CFCNPlus&ad_page_name=&nav=home&subnav=fullstory)>

### **Solar Car Race 7-27-05**

For examples of continued coverage of the North American Solar Challenge, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=34771>>

<<http://www.news-leader.com/apps/pbcs.dll/article?AID=/20050727/NEWS01/507270345>>

<<http://torontosun.com/News/Solar/2005/07/27/1149330-sun.html>>

<<http://www.newswire.ca/en/releases/archive/July2005/27/c4442.html>>

<<http://www.grandforks.com/mld/grandforks/news/12231868.htm>>

<[http://www.canadianbusiness.com/technology/article.jsp?content=20050718\\_69447\\_69447](http://www.canadianbusiness.com/technology/article.jsp?content=20050718_69447_69447)>

<[http://cfcn.theglobeandmail.com/servlet/RTGAMArticleHTMLTemplate/B,C/20050726/solarmap?brand=generic&hub=&tf=CFCNPlus/generic/hubs/frontpage.html&cf=CFCNPlus/generic/hubs/frontpage.cfg&slug=solarmap&date=20050726&archive=CFCNPlus&ad\\_page\\_name=&nav=home&subnav=fullstory](http://cfcn.theglobeandmail.com/servlet/RTGAMArticleHTMLTemplate/B,C/20050726/solarmap?brand=generic&hub=&tf=CFCNPlus/generic/hubs/frontpage.html&cf=CFCNPlus/generic/hubs/frontpage.cfg&slug=solarmap&date=20050726&archive=CFCNPlus&ad_page_name=&nav=home&subnav=fullstory)>

For the daily standings and reports from the road, see the website for the North American Solar Challenge at: <<http://nasc2005.americansolarchallenge.org/index.html>>

### **World Solar Car Challenge 7-26-05**

A team of South African university students are getting ready to participate in the World Solar Car Challenge, a race across the Australian outback, from Darwin to Adelaide. Story at:

<[http://www.iol.co.za/index.php?set\\_id=14&click\\_id=116&art\\_id=vn20050726070858547C646588](http://www.iol.co.za/index.php?set_id=14&click_id=116&art_id=vn20050726070858547C646588)>

World Solar Car Challenge: <<http://www.wsc.org.au/2005/competition/>>

### **Solar Car Race 7-25-05**

For additional press on the North American Solar Challenge, see examples at:

<<http://columbiamissourian.com/sports/story.php?ID=15057>>

<[http://torontosun.com/News/Columnists/Blizzard\\_Christina/2005/07/25/1146442.html](http://torontosun.com/News/Columnists/Blizzard_Christina/2005/07/25/1146442.html)>

<<http://sask.cbc.ca/regional/servlet/View?filename=solar-race050725>>

<http://www.stltoday.com/stltoday/news/stories.nsf/stlouiscitycounty/story/38B8A1CEBA8C319D86257049001C687F?OpenDocument>  
<[http://www.brandonsun.com/story.php?story\\_id=25](http://www.brandonsun.com/story.php?story_id=25)>

#### **Solar Car Race 7-22-05**

The North American Solar Challenge continues to receive extensive press; see examples, such as: <<http://www.grandforks.com/mld/grandforks/news/12193448.htm>>  
<[http://news.minnesota.publicradio.org/features/2005/07/21\\_gundersond\\_solarcar/](http://news.minnesota.publicradio.org/features/2005/07/21_gundersond_solarcar/)>  
<[http://daily.stanford.edu/tempo?page=content&id=17676&repository=0001\\_article](http://daily.stanford.edu/tempo?page=content&id=17676&repository=0001_article)>

#### **North American Solar Challenge 7-21-05**

Extensive press continues on the North American Solar Challenge. For examples, see: <<http://www.renewableenergyaccess.com/rea/news/story?id=34621>>  
<<http://www.startribune.com/stories/1405/5517030.html>>  
<<http://www.theinquirer.net/?article=24791>>  
North American Solar Challenge: <<http://nasc2005.americansolarchallenge.org/index.html>>

#### **Solar Car Race 7-20-05**

See coverage of the North American Solar Challenge at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=34582>> and examples of other press at:  
<<http://columbiamissourian.com/sports/story.php?ID=14953>>  
<<http://www.wmich.edu/wmu/news/2005/07/021.html>>  
North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Solar Decathlon 7-20-05**

For Isofoton's "Solar Decathlon microsite", click on the words at:  
<<http://www.isofoton.com/espaniol/ingles/interior1.htm#>>

#### **Solar Car Race 7-19-05**

For examples of the extensive press coverage of the North American Solar Challenge, see: <<http://www.hybridtechnologies.com/media.php?mediaID=050719>>  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b6C3939B3-84EB-47D3-97DC-1551F1D94C3D%7d&siteid=mktw&dist=nbk&symb=>>>  
<<http://www.gainesvilleregister.com/articles/2005/07/19/news/news5.txt>>  
<<http://www.wibw.com/news/headlines/1713037.html>>  
North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Solar Car Races 7-18-05**

For an update on the latest from the North American Solar Challenge, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aSIc5YDP79Sc?id=34492>>  
and much other press, for example at <<http://www.woi-tv.com/Global/story.asp?S=3607675>> and  
<<http://www.chicagotribune.com/news/nationworld/chi-0507180195jul18,1,5521089.story?coll=chi-newsnationworld-hed&ctrack=1&cset=true>> and  
<<http://biz.yahoo.com/bw/050718/185941.html?.v=1>>  
North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

For stories on the finish of the Dell-Winston Solar Car Challenge, see:  
<<http://msnbc.msn.com/id/8617864/>> and  
<[http://news.yahoo.com/news?tmpl=story&u=/ap/20050718/ap\\_on\\_sc/solar\\_racers\\_2](http://news.yahoo.com/news?tmpl=story&u=/ap/20050718/ap_on_sc/solar_racers_2)> and  
<[http://www.bizjournals.com/austin/stories/2005/07/18/daily12.html?from\\_rss=1](http://www.bizjournals.com/austin/stories/2005/07/18/daily12.html?from_rss=1)> and  
<<http://news.designtechnica.com/article7886.html>>  
Dell-Winston Solar Car Challenge: <<http://winstonsolar.org/race/>>

#### **Solar Car Race 7-15-05**

Western Michigan University students are set to start the North American Solar Challenge with their solar car, the Sunseeker. Story at:  
<<http://www.wmich.edu/wmu/news/2005/07/017.html>>  
Sunseeker, Western Michigan University: <<http://sunseeker.cs.wmich.edu/>>  
North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

CNet photos of the race: <[http://news.com.com/2300-7337\\_3-5786654-1.html?part=cnet&tag=feed\\_2501&subj=ns\\_5786654](http://news.com.com/2300-7337_3-5786654-1.html?part=cnet&tag=feed_2501&subj=ns_5786654)>

#### **Solar Car Race 7-14-05**

About 20 students and faculty from Illinois State University, mostly in the physics department, are heading to Austin, Texas where ISU's Mercury I solar powered car will begin the North American Solar Challenge. Story at:

<[http://www.rednova.com/news/science/173562/speed\\_of\\_light\\_solar\\_car\\_heads\\_to\\_competition/](http://www.rednova.com/news/science/173562/speed_of_light_solar_car_heads_to_competition/)>

ISU team: <<http://www.solarcar.ilstu.edu/>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **PV Design Competition [IEA Open Energy Technology Bulletin] 7-14-05**

The objective of the Lisbon Ideas Challenge is to foster innovative business-oriented ideas for urban integration of PV solar energy systems. For more on this competition, see the IEA-PVPS Website at: <<http://www.oja-services.nl/iea-pvps/products/homedc.htm>>

IEA Bulletin: <<http://spider.iea.org/impagr/cip/index.htm#four>>

#### **Solar Car Race 7-13-05**

The University of Minnesota's solar car - Borealis III - is ready to roll in the North American Solar Challenge. Press at:

<<http://www.mndaily.com/articles/2005/07/12/64775>>

Team website: <<http://160.94.140.26/>>

The student-led Stanford Solar Car team with their car, Solstice, will also be among the participants. Story at: <<http://news-service.stanford.edu/news/2005/july13/solar-071305.html>>

Team website: <<http://www.stanford.edu/group/solarcar/index.shtml>>

North American Solar Challenge:

<<http://www.americansolarchallenge.org/event/asc2005/>>

#### **More on the Dell-Winston School Solar Car Challenge 7-12-05**

For more on the Dell-Winston School Solar Car Challenge, with 180 students participating in the race from high schools across the U.S. and in Mexico, see:

<<http://www.physorg.com/news5078.html>>

<<http://www.winstonsolar.org/race/route2005.shtml>>

<<http://www.winstonsolar.org/race/>>

<<http://austin.bizjournals.com/austin/stories/2005/07/11/daily3.html>>

<[http://www.currentargus.com/artman/publish/article\\_13956.shtml](http://www.currentargus.com/artman/publish/article_13956.shtml)>

#### **Solar Cars 7-11-05**

Hybrid Technologies, Inc. and its subsidiary companies R-Electric Car Co., Global Hybrid Corp., Solium Power Corp., and WhistlerTel announced that the Hybrid Technologies - UC Berkeley solar energy vehicle - the Beam Machine, is ready for the North American Solar Challenge. For press, see:

<<http://www.hybridtechnologies.com/media.php?mediaID=050627>>

CalSol: <<http://www.me.berkeley.edu/calsol/>>

University of Minnesota's Borealis Third, which incorporates solar cells like those in NASA's Mars rovers, will also complete in the race. Press at:

<[http://wcco.com/education/local\\_story\\_192075035.html](http://wcco.com/education/local_story_192075035.html)>

University of Minnesota Solar Vehicle Project: <<http://160.94.140.26/>>

Purdue's "Solar Powered Overland Transportation II" (SPOT), designed, built, funded and driven by Purdue students is also in the competition. Story at:

<[http://www.purdueexponent.org/index.php/module/Issue/action/Article/article\\_id/270](http://www.purdueexponent.org/index.php/module/Issue/action/Article/article_id/270)>

Purdue Solar Racing: <http://www.purduesolar.org/>

North American Solar Challenge:

<<http://www.americansolarchallenge.org/index.html>>

#### **Dell-Winston School Solar Car Challenge 7-8-05**

More than 180 high school students from around the nation and Mexico today embark on a 1,600-mile race in hand-built solar-powered cars. The 10<sup>th</sup> annual Dell-Winston School Solar Car Challenge begins at Dell's headquarters in Texas and extends through New Mexico and Arizona, finishing at NASA's Jet Propulsion Laboratory in California.

Story at:

<[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20050708005178&newsLang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050708005178&newsLang=en)>

Dell-Winston Solar Car Challenge: <<http://www.winstonsolar.org/race/>>

#### **North American Solar Challenge 7-8-05**

The solar racecar team of the UK College of Engineering unveiled "Gato del Sol II" which will race in the North American Solar Challenge 17-27 July from Austin, Texas, to Calgary, Alberta, Canada. Story at:

<<http://www.kentucky.com/mld/kentucky/news/12081347.htm>>

Six students and faculty members are taking Illinois State University's car - Mercury I - to Texas on Friday. Story at:

<<http://www.hoinews.com/home/headlines/1671597.html>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **UT Solar House 7-7-05**

The University of Texas Solar Decathlon Team held a ceremonial roof raising for their entirely solar-powered home in East Austin. The house is known as the SNAP - Super Nifty Action Package. Forty-five UT undergraduate and graduate students from the Schools of Architecture, Engineering, Law, and Liberal Arts collaborated on the design and building. Story at: <[http://www.austinchronicle.com/issues/dispatch/2005-07-08/pols\\_feature6.html](http://www.austinchronicle.com/issues/dispatch/2005-07-08/pols_feature6.html)>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **CU Solar Decathlon Team 7-6-05**

The defending champion team of CU architecture and engineering students is building a solar-powered home, their entry in the second Solar Decathlon competition set in Washington DC in October. For a story on the house and the team, see:

<[http://www.denverpost.com/ci\\_2841619?rss](http://www.denverpost.com/ci_2841619?rss)>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **UMass Solar House 7-5-05**

Students are finishing their solar house at UMass Dartmouth in preparation for the Solar Decathlon. The house will be donated to Habitat for Humanity in Washington after the competition. Story at: <<http://www.southcoasttoday.com/daily/07-05/07-05-05/a041o117.htm>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Additional**

#### **NREL-PV Accreditation [Keith Emery] 7-18-05**

The American Association for Laboratory Accreditation (A2LA) has expanded the scope of accreditation of NREL PV calibrations from secondary reference cells to include secondary module and primary reference cell calibrations. The A2LA certificate number is 2236.01. This accreditation will provide manufacturers and PV module qualification and testing laboratories with an approved calibration traceability path. The primary reference cell calibration accreditation formalizes the calibration procedures that NREL has been following since 1985. The web site at <<http://www.a2la2.net/>> will be updated shortly.

#### **Becquerel Prize [PV News] 7-12-05**

During the 20<sup>th</sup> European PV Solar Energy Conference in Barcelona, the EU Commission honored Professor Joachim Luther, the Director of Fraunhofer ISE, with one of the highest awards in solar energy, the Becquerel Prize. Noted in PV News; press at: <[http://www.ise.fhg.de/english/press/pi\\_2005/presseversand/becquerel.html](http://www.ise.fhg.de/english/press/pi_2005/presseversand/becquerel.html)>

#### **Global Climate Index 7-12-05**

KLD Research & Analytics, Inc. has launched the KLD Global Climate 100(SM) Index in response to growing demand from institutions and individuals for investment strategies that address global warming. The Global Climate 100 Index is made up of companies that KLD expects will provide near-term solutions to global warming while offsetting the longer-term impacts of climate change through renewable energy, alternative fuels, clean technology and efficiency. Story at CE News 7/8:

<http://www.cleandedge.com/news-listing.php>>

KLD Global Climate 100(SM) Index: <<http://www.kld.com/benchmarks/gc100.html>>

**R&D 100 Award 7-11-05**

NREL and Sinton Consulting, Inc. have won a 2005 R&D 100 award for a silicon testing system that helps manufacturers determine the quality of silicon material in the early stage of solar production. Press release at:

<[http://www.nrel.gov/news/press/2005/2305\\_nrel\\_takes\\_two.html](http://www.nrel.gov/news/press/2005/2305_nrel_takes_two.html)>

Sinton Consulting: <<http://www.sintonconsulting.com/>>

R&D 100 Awards: <<http://www.rdmag.com/awards.aspx>>

**Green Jobs 7-8-05**

For information on renewable energy jobs, as well as people in the news, see Solarbuzz at: <<http://www.greenjobs.com/public/index.aspx>> and

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/jobs/home>>



**Solar Housing, India 6-30-05**

The Buddhadeb Bhattacharjee government announced a project to set up a solar housing estate in New Town, Rajarhat. Said power minister Mrinal Banerjee, "There are similar housing estates in the US, Germany and Japan. In our country, we are doing it for the first time in New Town." The project will be implemented jointly by the West Bengal Renewable Energy Development Agency and Bengal DCL, with completion scheduled by December 2006. Story at:

<[http://www.telegraphindia.com/1050630/asp/calcutta/story\\_4929668.asp](http://www.telegraphindia.com/1050630/asp/calcutta/story_4929668.asp)>

West Bengal Renewable Energy Development Agency:

<<http://www.tripurainfo.com/classifieds/advts/spg/photo.htm>>

**Kyocera PV System at Laundromat, California 6-30-05**

SeaBreeze Laundromat in Anaheim, California installed a 15-kW PV system on the roof of its building. The system was designed and installed by SolSource Energy, an authorized dealer of Kyocera Solar, Inc. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR521.htm>>

Kyocera: <<http://www.kyocerasolar.com/>

SolSource Energy: <<http://www.solsourceenergy.com/>>

**Solarpark Dedication in Germany 6-30-05**

The 10 MW Bavarian Solarpark, built by PowerLight Corporation, covers 62 acres and uses 57,600 PV panels. For a project description, and details of the dedication ceremony June 30, see:

PowerLight: <<http://www.powerlight.com/bavaria/index.shtml>>

Dedication: <<http://www.powerlight.com/bavaria/dedication.shtml>>

Press: <<http://www.dw-world.de/dw/briefs/0,1574,1635568,00.html>>

**Arizona Solar 6-29-05**

For the article "APS helps pay for solar panels", with information about the application of the Environmental Portfolio Standard Credit Purchase Program offered by APS, see newszap.com at:

<[http://www.newszap.com/articles/2005/06/28/az/west\\_valley/sun04.txt](http://www.newszap.com/articles/2005/06/28/az/west_valley/sun04.txt)>

APS, EPS: <[http://www.aps.com/my\\_community/Solar/eps.html](http://www.aps.com/my_community/Solar/eps.html)>

**More on Solar for California Farmers 6-29-05**

For the article "Calif. Farmers clean up using solar power", see MSNBC at:

<<http://msnbc.msn.com/id/8402675/>>

Other related press:

<<http://www.capitalpress.info/main.asp?SectionID=67&SubSectionID=792&ArticleID=18115&TM=37250.36>> (click on "print this article")

**Canadian PV Capacity [Bill Eggertson] 6-29-05**

Per the Canadian Association for Renewable Energies news, Canada installed 14 MW of PV by last year, up from 11.7 MW in 2003.

CARE: <<http://www.renewables.ca/main/main.php>>

**GE Energy PV System 6-29-05**

In the spirit of ecomagination, GE Energy's solar electric power systems were recently installed on the roof of GE's European Global Research Center in Garching, near Munich Germany. The 45-kW commercial solar system was installed by NEAP. Story and photo at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR216.htm>>

GE: <<http://www.gepower.com/home/index.htm>>

**Affordable Housing Solar Installation, California 6-28-05**

San Francisco's new Folsom/Dore affordable housing development has a 13.1 kW PV system on its roof, generating electricity for its common areas. Sun Power & Geothermal Energy Co. is the solar project developer, designer, and installer. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR520.htm>>

Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

#### **More on Shell Solar Project in Germany 6-28-05**

Shell Solar is teaming with Martin Bucher Project Development and CommerzLeasing and Immobilien AG to build a 10-MW PV facility in Bavaria, Germany. For coverage at RenewableEnergyAccess, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=33884>>

Shell Solar:

<[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/pocking\\_2306.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=/shellsolar/html/iwgen/news_and_library/press_releases/2005/pocking_2306.html)>

#### **Contempo Homes Solar 6-27-05**

Contempo Homes expects to start within the next few months on Alexander Vista Estates and Alexander Country Club Estates in California, with 64 proposed homes featuring solar panels, water-conservation landscaping, tankless water heaters, and Structural Insulated Panels. Press at:

<<http://www.thedesertsun.com/apps/pbcs.dll/article?AID=/20050625/NEWS07/506250336/1006/NEWS01>>

#### **Navajo Solar 6-27-05**

Fifty homes on the Navajo Nation have electricity for the first time from solar power systems built and installed by Sacred Power Corp., a Native American-owned company in Albuquerque, New Mexico. Story at: <[http://www.sltrib.com/utah/ci\\_2826331](http://www.sltrib.com/utah/ci_2826331)>

Sacred Power: <<http://www.sacredpowercorp.com/>>

#### **Hydrogen Generator, Fuel Cell and PV 6-27-05**

Progress Energy Florida, along with partners from the Florida Department of Environmental Protection and Hydrogenics Corp., unveiled a sustainable hydrogen generator and fuel cell at the Homosassa Springs Wildlife State Park. The fully integrated fuel cell and 5-kW PV system are supplementing a portion of the electricity used at the park. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7DB27785-DEDE-4AE8-B271-66EA674E5C60%7d&siteid=mktw&dist=nbk&symp=>>

Progress Energy: <<http://www.progress-energy.com/>>

Hydrogenics: <<http://www.hydrogenics.com/>>

#### **More on Kyocera's Solar Carport 6-27-05**

For more on Kyocera's solar carport - including photo - at its North American headquarters in San Diego, California, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=33830>>

#### **Nevada Irrigation District Solar 6-27-05**

The Nevada Irrigation District in California is looking to produce 10-15% of the North Auburn Water Treatment Plant's energy needs using 552 solar panels installed by Alternative Power Systems of Grass Valley. "It's a good investment to take a load off the system and generate our own", said Ron Nelson, NID's general manager. "We'll look at this for awhile and see if it makes sense to do it in other areas", of NID's vast facilities. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:

<<http://www.theunion.com/article/20050624/NEWS/106240157>>

Alternative Power Systems: <<http://www.alternativepowersystems.com/>>

Nevada Irrigation District: <<http://www.nid.dst.ca.us/>>

#### **10 MWp PV Plant in Bavaria 6-24-05**

Shell Solar GmbH, Martin Bucher Project Development and CommerzLeasing und Immobilien AG announced that they would build a 10 MWp PV plant, comprising approximately 62,500 modules, at a former military area near Pocking Bavaria. Press at:

<[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/pocking\\_2306.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=/shellsolar/html/iwgen/news_and_library/press_releases/2005/pocking_2306.html)>

#### **Lake Hennessey PV System, California 6-24-05**

Napa is planning to install a \$2.5 million PV system at the Lake Hennessey water pump station, and the City Council has approved a contract with PowerLight Corp. Story at:

[http://www.napanews.com/templates/index.cfm?template=story\\_full&id=85F4F00B-F8C3-416E-85D2-432BD3CD9129](http://www.napanews.com/templates/index.cfm?template=story_full&id=85F4F00B-F8C3-416E-85D2-432BD3CD9129)

PowerLight: <http://www.powerlight.com/>

#### **PV System Dedication at New Jersey Park 6-24-05**

Fronius USA LLC teamed up with a consortium led by GeoGenix LLC to help provide a solar solution for Island Beach State Park in New Jersey. For the story and photo, see RenewableEnergyAccess at:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33741>

Fronius: <http://www.fronius.com/solar.electronics/about/index.htm>

GeoGenix: <http://www.geogenix.com/>

#### **Kyocera's Solar Parking 6-24-05**

For more on Kyocera's Solar Grove™, an array of 25 solar trees™ that converts a parking lot into a solar electric generating system, see the articles and photo at:

[http://americas.kyocera.com/news/news\\_detail.cfm?key=1153](http://americas.kyocera.com/news/news_detail.cfm?key=1153) and

[http://news.yahoo.com/news?tmpl=story&u=/sddt/20050624/lo\\_sddt/kyoceratounveilsolartr eegrove](http://news.yahoo.com/news?tmpl=story&u=/sddt/20050624/lo_sddt/kyoceratounveilsolartr eegrove)

#### **Conergy Donation [Nicole Orenduff] 6-23-05**

Conergy, Inc. donated \$10,000 worth of solar thermal equipment towards a project administered by Local Energy. The system is expected to reduce the heating costs for the St. Elizabeth Homeless Shelter in Santa Fe by 70% annually. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=amS-DKSCMxo-?id=33701>

Local Energy: [http://www.jxj.com/suppands/renenerg/companypage.php/CPID\\_20792-767](http://www.jxj.com/suppands/renenerg/companypage.php/CPID_20792-767)

#### **Green Lights, Vancouver, Washington 6-23-05**

The 3<sup>rd</sup> solar array financed by Clark County's electric utility's Green Lights program is operational. Under Green Lights, about 420 customers volunteer to buy a total of 5,400 blocks of electricity a month from renewable energy sources at a cost of \$1.50 for 100 kWh. BPA buys the power from wind farms and solar facilities and then markets it. Story at:

<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6362076&ResultCategoryType=2,7&NewsPageID=3>

Green Lights:

<http://www.clarkpublicutilities.com/Community/environmentalProjects/greenLights>

#### **Solar Systems in Australia 6-23-05**

For press on Solar Systems' solar power station in the Northern Territory, see:

<http://www.abc.net.au/news/newsitems/200506/s1398139.htm>

Solar Systems: <http://www.solarsystems.com.au/>

Related article (see photo): <http://www.osa-opn.org/abstract.cfm?URI=OPN-16-6-30>

#### **Kyocera's Solar Parking Lot 6-23-05**

Kyocera announced it will hold a public dedication of its Solar Grove™ - an array of 25 "solar trees™" that convert a 186-vehicle parking lot into a 235-kW solar electric generating system. The Solar Grove will serve as a symbol of Kyocera's goal to make the San Diego/Tijuana region an important hub in North America's solar energy industry. The system's 25 "solar trees" form a carport in an employee parking lot. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR519.htm>

Kyocera: <http://www.kyocerasolar.com/index.cfm>

#### **Solar Photos 6-22-05**

Pat Ricchiuti at his P-R Farms packing shed in Clovis, California:

<http://news.yahoo.com/news?tmpl=story&u=/050622/480/fx80306220125>

<http://news.yahoo.com/news?tmpl=story&u=/050622/480/fx80406220127>

Earlier article:

<http://www.cfbf.com/agalert/AgAlertStory.cfm?ID=380&ck=BCA82E41EE7B0833588399B1FCD177C7>

#### **PV at the Stillwell Avenue Station, New York 6-21-05**

For photos of the PV installation at the Stillwell Avenue Station, see the web site at RWE SCHOTT: <[ftp.schottus.com/stillwell](http://ftp.schottus.com/stillwell)>  
Stories at Renewable Energy Access:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33583>> and Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR515.htm>>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/>>

#### **ComEd and Social Security Solar Power 6-21-05**

The Social Security Administration has contracted with ComEd to complete downtown Chicago's largest PV installation and one of the largest in the Midwest. Said James F. Martin, Regional Commissioner for the SSA, "The Social Security Administration is proud to be a leader in the country's movement toward renewable and green energy use." Per the article, ComEd is using a specially designed PV tile system that offers roof shading and protection from UV rays, while providing thermal energy savings in winter. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR518.htm>>  
ComEd: <<http://phx.corporate-ir.net/phoenix.zhtml?c=124298&p=irol-news>>

#### **Chico Creek School Solar, California 6-20-05**

At the urging of the Chico Unified School District board of trustees member Anthony Watts, Chico Electric applied for projects at nine school sites and PG&E selected the Little Chico Creek site by lottery out of 500 applicants. The project was presented to the board, and would comprise 200 kW of solar panels on the roofs of the school. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at:  
<<http://www.chicoer.com/Stories/0,1413,135%7E25088%7E2929746,00.html>>

#### **Swiss Solar Energy Plant 6-20-05**

Switzerland unveiled its largest solar energy plant covering an area the size of two football pitches. Solar power's share in the country's energy market is below the north European average, and Switzerland plans to increase its use of alternative energy sources to 10-15% of the total by 2025, said Raymond Battistella, director general of the regional public energy monopoly Geneva Industrial Services. Story at: <[http://news.yahoo.com/news?tmpl=story&u=afp/20050620/sc\\_afp/switzerlandenergyalternativesolar\\_050620161204](http://news.yahoo.com/news?tmpl=story&u=afp/20050620/sc_afp/switzerlandenergyalternativesolar_050620161204)>

#### **Jet Source PV Installation, California [Tina Nickerson] 6-17-05**

Jet Source has new 174 kW (DC) and 142 kW (DC) Solar Power Systems using modules manufactured by Shell Solar Industries in Camarillo. With the help of SoCal Solar Energy, Inc., a Shell Solar systems integrator, Jet Source has not only added solar power but has upgraded their lighting and HVAC system to reduce usage consumption by more than 50%. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR516.htm>>  
Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>  
SoCal Solar Energy, Inc.: <<http://www.socal-solar-energy.com/>>

#### **Coney Island Subway Solar 6-16-05**

The reconstructed Stillwell Avenue subway station in Brooklyn has become the city's first solar-powered train terminal. The 76,000-square foot solar roof manufactured by RWE SCHOTT Solar is expected to contribute approximately 250,000 kWh a year to the station's non-traction power needs. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR515.htm>>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/>>

#### **SunPower Commercial-Scale PV System 6-15-05**

SunPower Corp. announced that its solar electric panels are being used to generate electricity for the new Town Hall in Los Altos Hills, California, the first North American commercial-scale installation of SunPower's solar panels. Said Breene Kerr, mayor of Los Altos Hills, "With our limited unshaded roof area, we wanted to use solar panels that would maximize energy production per square foot." Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6357152&ResultCategoryType=2,7&NewsPageID=3>>  
SunPower:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Esunpowercorp%2Ecom&template=2,2>>

#### **Packinghouse PV, California 6-15-05**

A Fresno County Farm Bureau president is currently finishing one of the largest, privately financed solar energy systems in the state. He unveiled the \$6.4 million project last week to California energy officials. For more on this system see: <<http://www.cfbf.com/agalert/AgAlertStory.cfm?ID=380&ck=BCA82E41EE7B0833588399B1FCD177C7>>

#### **Berkeley's Import Tile Solar, California 6-10-05**

Berkeley's Import Tile Company is putting a 29.3-kW PV system on its roof. Sun Power and Geothermal Energy Co., Inc. is the solar project developer, designer, and installer. SPG is using 204 Sharp 175-watt solar panels and 6 Fronius IG 5100 inverters. Said Import Tile owner Bill de Carion, "A lot of people come by this store every day. We have about 25 employees and about 100 customers per day. If I can exert some influence over them, I want to show them it is possible to be prosperous and green". Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR512.htm>>  
Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

#### **Solar Building Partnerships 6-10-05**

Borrego Solar Systems recently installed a rooftop PV system for Build Inc., an example of California solar industry's increasing collaboration with the building industry. The 7.4-kW rooftop PV project marks the beginning of Build Inc.'s research and experience with PV systems. Borrego says this type of alliance is important to their future business strategy. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=33122>>  
Borrego Solar Systems: <<http://www.borregosolar.com/>>

#### **Fuel Cell and PV for The Stella Group Building [Scott Sklar] 6-8-05**

The Stella Group, Ltd announced it is leasing a Plug Power GenCore™ fuel cell as a back-up power unit for its office building. Per the press, this represents one of the first business leases for a commercially available fuel cell in the U.S. Additionally, 1 kW of Uni-Solar's PV roofing shingles are being installed on the building. Scott Sklar, President, also has 1.5 kW of PV, tied to a Xantrex inverter, and a solar water heating system on his residence. Press at: <<http://www.thestellagroupltd.com/press.htm>>  
The Stella Group: <<http://www.thestellagroupltd.com>>

#### **Solar in Clifton, New Jersey 6-7-05**

The City Council is looking at a proposal to bring solar power to City Hall and possibly the Recreation Center. Under the plan, Alternity Power would install, maintain, and own the solar energy system for City Hall and the Recreation Center. Alternity would sell electric power produced by the solar units to Clifton for 25% less than what the city pays Public Service Electric and Gas Co. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at: <<http://www.bergen.com/page.php?qstr=eXJpcnk3ZjczN2Y3dnFlZUVFeXkzNTcmZmdiZWw3Zjd2cWVlRUV5eTY3MDQ3NzgmXJpcnk3ZjcxN2Y3dnFlZUVFeXky>>

#### **Carmanah in Vancouver 6-7-05**

Carmanah Technologies announced it has entered into a contract with Viacom Outdoor JCDecaux Street Furniture Canada Limited Partnership to supply 225 units of its i-SHELTER™ solar/LED lighting systems for the city of Vancouver, British Columbia. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR509.htm>>  
Carmanah: <<http://www.carmanah.com/>>

#### **Northern Power Systems Installation 6-7-05**

Northern Power Systems announced it has entered into an agreement to design, engineer and construct a 401.8 kW PV system at Timberland's 429,000 square-foot Ontario distribution center in Southern California. The PV system will be installed on a new "TruckPort" steel mounting structure next to Timberland's warehouse leveraging an unused area of the truck yard by providing storage space as well as shaded parking. Northern Power's "SmartView" remote monitoring software technology will allow Timberland to manage and report on the site's power production in real time for any location via the Internet. Story at: <<http://biz.yahoo.com/prnews/050607/nytu161.html?v=12>>

Northern Power: <<http://www.northernpower.com/>>

**Shell Solar's Rural Operation 6-6-05**

Shell Solar's Rural Operations division celebrated the sale and installation of more than 100,000 Solar Home Systems in just over 5 years. Today, Rural Operations is active in India, Sri Lanka, Philippines, China and Indonesia and with personnel numbering more than 900 across the 5 countries. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASPR131.htm>>

Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

**Shafer Vineyards Solar [Blair Swezey] 6-3-05**

Shafer Vineyards installed solar panels in December 2004, cutting the monthly power bill from about \$3,000 to about \$40. Noted at: <<http://www.sfgate.com/cgi-bin/article.cgi?f=/c/a/2005/06/02/WIGF7CVGF01.DTL>> (also click on the associated PV photo to enlarge, upper left)

**Origin Energy Installation [Yvette Reade] 6-3-05**

The first solar power installation on an Australian Parliament House is now operational and is generating clean solar energy as part of the North Terrace Solar Project. Per the article, "This South Australian Government initiative demonstrates how South Australians can generate clean renewable electricity, leads our community in reducing greenhouse gas emissions and showcases Adelaide as a Green City." Origin has so far invested \$30 million in developing and taking to market its SLIVER technology, and the project is on track to have a product available to the domestic market in coming months. Press at:

<[http://www.originenergy.com.au/news/news\\_detail.php?pageid=82&newsid=544](http://www.originenergy.com.au/news/news_detail.php?pageid=82&newsid=544)>

Solarbuzz: <<http://www.solarbuzz.com/News/NewsASPR130.htm>>

SLIVER technology:

<[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233)>

**More on Solon AG PV Plant 6-3-05**

Said Alex Voigt, Solon's CEO, "Our goal with the Mover program was to develop a truly industrial solar power system. Our recently announced \$300 million, five-year purchase agreement with SunPower for their high-performance cells, provides Solon with the supply security and visibility necessary for us to address the rapidly growing market for megawatt-scale solar power plants." More on this multi-megawatt installation at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=32608>>

SunPower Corporation: <<http://www.re-access.com/rea/market/business/view?cid=1887>>

Solon Mover: <<http://www.solonmover.com/>>

**Shell Solar Array for San Francisco 6-2-05**

Shell Solar has provided a CIS thin film solar electric array to the city of San Francisco. In honor of the UN World Environment Day and the California Tomorrow Festival, the exhibition and dedication of the array is on display, and afterwards will be erected on the San Francisco Civic Center Parking Garage. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b8308398D-B792-4700-911D-327D0BB2690E%7d&siteid=mktw&dist=nbk&syml=>>

Shell Solar:

<[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/leftnavs/zzz\\_lhn1\\_0\\_0.html&FC3=/shellsolar/html/iwgen/welcome.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/leftnavs/zzz_lhn1_0_0.html&FC3=/shellsolar/html/iwgen/welcome.html)>

**SOLON's Solarpark 6-1-05**

SunPower Corporation announced that SOLON AG has opened Phase One of the 12-MW solar electric plant - Solarpark Gut Erlasse - in Bavaria near Arnstein, Germany.

SunPower's solar cells are used in SOLON's "Mover" electricity generation system, designed for deployment in multi-megawatt solar power plants. Movers automatically tilt and rotate during the day to directly face the sun at all times. SunPower's cells are used in about 1/3 of the Movers at the Solarpark. Story and photos at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR214.htm>>



Cypress press:

<<http://www.cypress.com/portal/server.pt?space=CommunityPage&control=SetCommunity&CommunityID=208&PageID=218&DirectoryID=648792>>

SOLON-Mover: <<http://www.solonmover.com/>>

SOLON Solarpark (photo):

<[http://www.cypress.com/portal/server.pt?space=CommunityPage&control=SetCommunity&CommunityID=209&PageID=418&r\\_folder=More%20Resources&r\\_title=SOLON%20Solarpark%20Gut%20Erlasse%20%20--%20Phase%20One](http://www.cypress.com/portal/server.pt?space=CommunityPage&control=SetCommunity&CommunityID=209&PageID=418&r_folder=More%20Resources&r_title=SOLON%20Solarpark%20Gut%20Erlasse%20%20--%20Phase%20One)>

SunPower: <<http://www.sunpowercorp.com/html/Company/News/news.html>>

SOLON: <<http://www.solonag.com/>>

## Technology Applications

### **UAV Flight 6-27-05**

On June 3<sup>rd</sup>, AC Propulsion's SoLong UAV, an unmanned solar-electric airplane, completed its first 48 hours aloft. Press at: <<http://www.acpropulsion.com/>>

### **Solar Plane 6-10-05**

For National Geographic's coverage of the solar plane, around-the-world flight by Swiss adventurer Bertrand Piccard, see the link through RenewableEnergyAccess at: <[http://news.nationalgeographic.com/news/2005/04/0407\\_050407\\_solarairplanes.html](http://news.nationalgeographic.com/news/2005/04/0407_050407_solarairplanes.html)>. Nearly the entire body of the plane will be covered by 287 square yards of solar panels.

### **Hybrid Living 6-6-05**

Hybrid Technologies, Inc., and its subsidiaries announced that construction has begun on the Hybrid Living Home, an engineering and eco-space showcase developed by Hybrid Technologies. Information at:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bC86699F9-D122-4DB7-B492-6A24331F201D%7d&siteid=mktw&dist=nbk&symb="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bC86699F9-D122-4DB7-B492-6A24331F201D%7d&siteid=mktw&dist=nbk&symb=)>

Hybrid Technologies: <<http://www.hybridtechnologies.com/media.php?mediaID=050606>>

Enviro Custom Homes: <<http://www.envirocustomhomes.ca/>>

Your Energy Company: <<http://www.youenergycompany.net/>>

Smart Space: <<http://www.smartspace.ca/>>

### **Solar Packs [Scott Sklar] 6-3-05**

For information about Reware solar-powered juice bags, see the website at:

<<http://www.rewarestore.com/index.html>> and <<http://www.rewarestore.com/bags.html>>

Reware Press Coverage: <<http://www.rewarestore.com/press.html>>

### **SHEC Labs Pilot Plant 6-1-05**

Per this article, SHEC labs' prototype solar hydrogen generator has now operated for approximately 1,200 hours with no noticeable coking or degradation of the catalysts. For results, and information on the next stage of development, see the article at:

<<http://www.prweb.com/releases/2005/6/prweb246612.htm>>

SHEC labs: <<http://www.shec-labs.com/>>

## Technology Developments

### **DuPont Metallization System for Solar Cells 6-22-05**

DuPont Microcircuit Materials announced the launch of a new lead-free addition to the DuPont™ Solamet® family of thick film pastes designed for the metallization of solar cells. Press at: <[http://www.dupont.com/photovoltaics/pdf/press\\_rel\\_06072005.pdf](http://www.dupont.com/photovoltaics/pdf/press_rel_06072005.pdf)>

DuPont also showcased its PV solutions at the European PV conference:

<[http://www.dupont.com/photovoltaics/pdf/press\\_rel\\_052005.pdf](http://www.dupont.com/photovoltaics/pdf/press_rel_052005.pdf)>

## Manufacturing

### **Sunoasis Silicon Wafer Manufacturing Facility 6-21-05**

Xinjiang Sunoasis Co., Ltd. participated in an opening ceremony for an industrial park in the Xinjiang Autonomous Region. The industrial park will be the site of a 3-year

project to develop a 100 MW silicon wafer production facility. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsASMA50.htm>>  
Xinjiang Sunoasis Co., Ltd: <<http://www.sunoasis.com.cn/en/index.asp>>

**Kaneka Corporation Production [PV Activities in Japan] 6-21-05**

Kaneka Corporation will increase its production capacity of amorphous silicon PV modules to 30 MW/year. This and much more news in PV Activities in Japan, by subscription, RTS Corporation, Tokyo, email: [ikki@rts-pv.com](mailto:ikki@rts-pv.com)  
Kaneka: <<http://www.pv.kaneka.co.jp/>>

**United Solar Ovonix Site for Solar Panel Manufacturing 6-16-05**

United Solar Ovonix LLC announced it has selected the site for its next thin-film solar panel manufacturing facility. Under a 10-year lease agreement, United Solar Ovonix will construct a manufacturing facility at the Auburn Hills Commerce Park in Auburn Hills, Michigan. When fully operational, the facility is expected to double United Solar Ovonix's manufacturing capacity and to employ approximately 200 additional people. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAMA52.htm>>  
Uni-Solar: <<http://www.uni-solar.com/>>

**RWE SCHOTT Solar in the Czech Republic 6-14-05**

Per this article, just 12 months after approval of the investment, RWE SCHOTT Solar GmbH officially started its 40 MW module production in the Czech Republic, for which the company was awarded a prize in Prague. Story at:  
<<http://www.mysan.de/article127215.html>>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/>>

**BP Solar Facilities Expansion in Spain 6-13-05**

BP Solar announced the expansion of its two PV manufacturing facilities located in Tres Cantos and San Sebastian de los Reyes near Madrid. The company plans to invest 28 million Euros in the projects. The total output from Tres Cantos will be increased from 30 MWp to around 50 MWp of PV solar cells. The San Sebastian plant assembles solar cells into panels and currently has a capacity of 25 MWp per year which will increase to 50 MWp. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsEUMA70.htm>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

**XsunX Production Efficiencies 6-13-05**

XsunX, Inc. released information on the benefits of its recent success in development of more efficient manufacturing techniques, a development that allowed the company to produce its first transparent solar cell on thin-film plastic. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE14BCB21-3337-46E1-9E5D-9B9B8A74AD3B%7d&siteid=mktw&dist=nbk&symp=>>>  
XsunX: <<http://www.xsunx.com/>>

**Industry Business Developments, Status**

**ICP Solar Recognition 6-29-05**

ICP Solar announced that it has been recognized by PROFIT magazine as one of Canada's fastest growing companies. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33893>>  
ICP Solar: <<http://icpsolar.com/>>

**DayStar Award 6-29-05**

DayStar Technologies received a \$250,000 payment from the New York State Energy Research and Development Authority for completing facility development, meeting equipment installation requirements, and satisfying New York State regulatory approvals for Phase 1 and 2 of Program Opportunity Notice 827. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b5A8FFE99-09F5-48AA-A3E2-CD41487759EF%7d&siteid=mktw&dist=nbk&symp=>>>  
DayStar: <<http://www.daystartech.com/>>

**Renewable Energy Corporation Developments 6-28-05**

For information on Renewable Energy Corporation's agreement with Komatsu regarding acquisition of 75% of Advanced Silicon Materials LLC and the future plans, as well as simultaneous construction of a new wafer plant by REC's subsidiary ScanWafer, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsEUMA73.htm>>  
Renewable Energy Corporation: <<http://www.recgroup.com/text/view/3524.html>>  
Advanced Silicon Materials: <<http://www.asimi.com/>>  
ScanWafer: <<http://www.scanwafer.com/>>

#### **HelioVolt Investment 6-28-05**

According to this press, HelioVolt is planning to build its first factory, and competition for the plant's location includes Texas and states such as New York and Pennsylvania, which could offer incentives. Story at:  
<<http://msnbc.msn.com/id/8370950/>>

For press on HelioVolt receiving \$8 million to develop thin-film solar technology for power buildings, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bc3DD08F9-1565-4AE2-8E7E-ECFACDFEEC09%7d&siteid=mktw&dist=nbk&symb=>>>  
HelioVolt News: <<http://www.heliovolta.com/news.php>>

#### **Evergreen Solar Notes 6-28-05**

Evergreen Solar, Inc. announced that the initial purchasers of its recent offering of \$75 million aggregate principal amount of 4.375% convertible subordinated notes due 2012 have exercised in full their option to purchase an additional \$15 million aggregate principal amount of such notes. Evergreen press at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=724350](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=724350)>

#### **Dyesol Ltd Plans 6-28-05**

Dyesol Limited announced it is seeking \$3.5 million under its Initial Public Offer to commercialize the company's dye solar cell technology into a global solar energy market. Dyesol press at: <<http://www.dyesol.com/index.php?page=News>>  
Dyesol: <<http://www.dyesol.com/index.php>>

#### **First Solar Agreement [Paula Vaughnn] 6-28-05**

First Solar and Gehrlicher Umweltschonende Energiesysteme GmbH announced that the companies have reached a framework agreement for the supply of First Solar thin-film modules for 2005 and 2006. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33886>>  
First Solar: <<http://www.firstsolar.com/>>  
Gehrlicher: <<http://www.gehrlicher.com/>>

#### **Universal Communication Systems Appointment 6-27-05**

Universal Communication Systems, Inc.'s wholly owned subsidiary Solar Style, Inc. announced the appointment of Robert Grossman as the company's new President/CEO. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BC81A6712%2D2F94%2D4C16%2D9E86%2D632392F1975F%7D>>  
Solar Style: <<http://www.solarstyleinc.com/>>

#### **Konarka and KURZ [Tracy Wemett] 6-27-05**

Konarka Technologies and LEONHARD KURZ GmbH & CO. KG announced they have established a non-exclusive partnership in support of light-activated power plastic. The companies are engaged in a multi-year, multi-phase collaboration to accelerate the development of Konarka's organic PV technology. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33826>>  
Konarka: <<http://www.konarka.com/>>

#### **Solar Product Descriptions 6-27-05**

For descriptions of products such as DayStar Technologies' LightFoil™, Kyocera's MyGen Meridian™ BIPV, Xantrex's GT 3.0 Grid Tie Solar Inverter, and Energy Innovations' Sunflower, including photos, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/home>>

#### **Evergreen Solar Pricing 6-24-05**

Evergreen Solar, Inc. announced the pricing of its offering of \$75 million aggregate principal amount convertible subordinated notes. Press at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=723590](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=723590)>

#### **Q-Cells Award 6-24-05**

Q-Cells AG has won the Deutscher Grunderpreis 2005, taking top place in the category for up-and-coming companies. Press at: <[http://www.q-cells.com/2\\_eng.php](http://www.q-cells.com/2_eng.php)>

#### **Enel Renewables Investment 6-23-05**

According to ReFocus News-in-Brief, the Italian utility Enel will invest Euro 1.7 billion in renewable energy by 2009. During the past 3 years, the utility has invested Euro 600 million according to media report quoting Fulvia Conti at a conference in Pisa. This, and more news at ReFocus:  
<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=4267520&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=4267520&accnum=1&topics=>)  
Enel: <[http://www.enel.it/azienda\\_en/sostenibilita/sostenibilita\\_2/](http://www.enel.it/azienda_en/sostenibilita/sostenibilita_2/)>

#### **XsunX Developments 6-23-05**

RenewableEnergyStocks.com reports that XsunX, Inc. has successfully completed a significant milestone as the Company has produced new prototypes of PowerGlass™ on transparent polyesters such as PET and PEN. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bD1735B92-96FE-4D29-959C-3A234A7A4180%7d&siteid=mktw&dist=nbk&symp=>>  
RenewableEnergyStocks:  
<<http://www.renewableenergystocks.com/Companies/RenewableEnergy/ECONRenewableEnergy.asp>>

#### **DayStar Technologies Shareholders Meeting 6-23-05**

In a presentation to shareholders and guests, Dr. John Tuttle, Chairman and Chief Executive Officer of DayStar reflected on the Company's progress since completing its Initial Public Offering in February 2004, and providing further insight into management's future growth objectives. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b2F836A65-716E-4C0A-854B-3B4D5CAFBC7%7d&siteid=mktw&dist=nbk&symp=>>  
DayStar Technologies: <<http://www.daystartech.com/>>

#### **Evergreen Solar Offering 6-23-05**

For Evergreen Solar, Inc.'s announcement of a proposed offering of convertible subordinated notes, see the press at Evergreen Solar: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=723059](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=723059)>

#### **WorldWater & Power in Chinese Market 6-23-05**

WorldWater & Power Corporation has been making preparations for introducing its solar powered systems to the expansive Chinese market. The company has announced the signing of an Agreement with Xinhau Financial Network Limited to represent WorldWater & Power in the Chinese water and energy markets. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b4E6C7C3F-E888-475E-B05C-5A8F7C6C1589%7d&siteid=mktw&dist=nbk&symp=>>  
WorldWater & Power: <<http://www.worldwater.com/>>

#### **WorldWater & Power Patent Filing 6-23-05**

WorldWater & Power Corporation filed an application with the U.S. Patent and Trademark Office for a Maximum Power Point Speed Control, a method and apparatus that perform maximum power tracking of motor speed. The invention relates generally to the operation of AC motors or similar loads with AC motor drives that convert power from a DC source (such as sun power) to AC, and more particularly to operation of the motor at maximum power as the power from the DC source varies. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0048F96C-29E1-4EC3-97E7-77CD5491206A%7d&siteid=mktw&dist=nbk&symp=>>  
WorldWater & Power: <<http://www.worldwater.com/>>

#### **Kubota and MSK 6-22-05**

Per this press, Kubota Corp said it has agreed to sell its solar power system operation to MSK. Press at:

<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6361521&ResultCategoryType=2,7&NewsPageID=3>

**Carmanah Contract 6-22-05**

Carmanah Technologies Corporation announced that the company has been contracted by PACE Suburban Bus of Chicago to supply its proprietary i-STOP™ solar-powered LED bus stop lighting systems. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=avHI5AYw19f9?id=33681>

Carmanah: <http://www.transitlights.com/>

**Energy Innovations Venture Financing 6-21-05**

Energy Innovations, Inc. announced it received \$16.5 million in new venture funding, with the round led by MDV-Mohr Davidow Ventures, and additional participation from founding investor Idealab. Energy Innovations is developing a new low-cost rooftop PV concentrator system called the Sunflower. Stories at:

<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bC8BAFED8-B9CA-4FD6-BCE8-27D16AD8EB73%7d&siteid=mktw&dist=nbk&symb=>

<http://www.thedeal.com/NASApp/cs/ContentServer?pagename=TheDeal/TDDArticle/StandardArticle&c=TDDArticle&cid=1118184163069&r=InFs&p=M4YD5AR2>

Energy Innovations: <http://www.energyinnovations.com/>

**Venture Funds Investments 6-21-05**

For an article on venture funds for solar energy companies, including Energy Innovations and HelioVolt, see the press at:

[http://news.com.com/Two+novel+solar+firms+nab+venture+funds/2100-7337\\_3-5754691.html](http://news.com.com/Two+novel+solar+firms+nab+venture+funds/2100-7337_3-5754691.html)

Energy Innovations: <http://www.energyinnovations.com/>

HelioVolt: <http://www.heliovolt.com/>

<http://www.solarbuzz.com/News/NewsNACO336.htm>

**Reliant Energy SREC Deal 6-21-05**

Reliant Energy has entered into a long-term agreement with PowerLight Corporation to purchase Solar Renewable Energy Certificates (SRECs) in the largest SREC deal ever transacted under the New Jersey Board of Public Utilities' Clean Energy Program. The transaction will support the development and installation of solar systems in New Jersey. Story at:

<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6360422&ResultCategoryType=2,7&NewsPageID=3>

Reliant Energy:

<http://www.reliant.com/corporate/news/detail/1,1004,CID455561,00.html?2id=&1id=227037&xid=307474>

PowerLight: <http://www.powerlight.com/>

**Origin Energy Technology Award [Yvette Reade] 6-20-05**

SLIVER® technology won a Global 100 Eco-Tech Award, in association with the 2005 World Expo in Aichi, Japan. Origin Energy's SLIVER technology was invented in conjunction with the Australian National University's Centre for Sustainable Energy Systems, and a \$1 million grant from the Government's Australian Greenhouse Office contributed to the project. Origin Energy press.

Origin Energy SLIVER technology:

<[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233&front=Y](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233&front=Y)>

Global 100 Eco-Tech Awards: <<http://www.nni.nikkei.co.jp/FR/global100/>>

**SolarWorld Bonus Shares 6-20-05**

Per this press, SolarWorld AG will issue bonus shares to its shareholders. The allocation of the bonus shares and the stock exchange quotation take effect 20 June.

Press at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEU0189.htm>>

<<http://www.solarworld.de/>>

**Sustainable Energy Technologies Contract 6-20-05**

Sustainable Energy Technologies Ltd and Gabriel Benmayor S.A. jointly announced that Free Power S.L. based in Barcelona, Spain will source all its solar PV inverter needs for the growing Spanish market from Sustainable and Gabriel Benmayor S.A. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6360210&ResultCategoryType=2,7&NewsPageID=3>>

Sustainable Energy Technologies: <<http://www.sustainableenergy.com/SET-home/index.html>>

**HelioVolt Thin-film Venture Funding 6-20-05**

HelioVolt Corporation announced it has closed \$8 million in Series A venture funding from New Enterprise Associates of Menlo Park, California. Said Billy J. Stanbery, founder and CEO of HelioVolt, "We are introducing a dramatically more efficient way to manufacture and install CIS, the proven highest-performing solar technology". Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6360315&ResultCategoryType=2,7&NewsPageID=3>>

HelioVolt:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eheliovolt%2Ecom&template=2,2>>

**Universal Communication Systems PV Order 6-17-05**

Universal Communication Systems subsidiary Millennium Electric TOU Limited's President announced the execution of a new agreement with HELIOCOL granting them distribution rights for the U.S. market for their range of Millennium Brand PV Solar Panels and related products. Also, the agreement calls for HELIOCOL to purchase up to \$2.5 million in value of PV solar energy panels for the U.S. market. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={8E3AB75C-80D2-4238-BC93-D1DCCFB72640}&siteid=mktw&dist=nbk&sybm=>>

HELIOCOL: <<http://www.Heliocol.com/>>

Millennium Electric: <<http://www.millenniumsolar.com/>>

**First Solar Agreement with Blitzstrom [Paula Vaughnn] 6-17-05**

First Solar and Blitzstrom Ltd announced that the companies have entered into a framework agreement for the purchase and sale of 9 MW of First Solar thin film solar modules in 2006. First Solar began a supply relationship in 2003 with Blitzstrom and its affiliated company Beck Energy GmbH, and by the end of 2005, the companies will have cooperated to supply and install more than 14 MW of First Solar thin film modules in Germany. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO333.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33463>>

Press at First Solar: <<http://www.firstsolar.com/pdf/MD-5-707%20EN%20First%20Solar%20Supply%20Agreement%20with%20Blitzstrom.pdf>>

Blitzstrom: <<http://www.blitzstrom.de/>>



#### **Sunways in Barcelona 6-15-05**

Sunways AG will open a distribution office in Barcelona in August, which will be headed by Guillermo Calamita. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUC0188.htm>>  
Sunways AG: <<http://www.sunways.de/de/>>

#### **Evergreen to Join Indexes 6-15-05**

Evergreen Solar, Inc. announced that the Company is scheduled to join the Russell 2000(R) and Russell 3000(R) indexes. Evergreen Press at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=720696](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=720696)>

#### **More on DayStar and Blitzstrom 6-14-05**

For more on DayStar and Blitzstrom, see the article at:  
<<http://www.thestreet.com/tsclsii/stocks/energy/10227740.html>>

#### **WorldWater & Power Residential Solar Division 6-14-05**

WorldWater & Power Corp. announced the creation of a new residential solar sales division to add to its industrial, agricultural and utility operations. The new division will concentrate initially on New Jersey and California. The first 2 contracts signed in New Jersey for the new division are solar electric generation and distribution systems on 2 private homes. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b935ACD60-2083-43AE-9333-0B4C62D141B4%7d&siteid=mktw&dist=nbk&symp=>>>  
WorldWater & Power Corporation: <<http://www.worldwater.com/pages/home.html>>  
New Jersey Clean Energy Program: <<http://www.njcleanenergy.com/>>

#### **Carmanah in Seattle 6-14-05**

Carmanah Technologies Corporation announced that the company has been awarded a contract by King County Metro Transit of Seattle, Washington, to provide its i-SHELTER™ solar powered LED bus shelter lighting systems. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aFqjBN9o9W55?id=33217>>  
Carmanah: <<http://www.carmanah.com/>>

#### **Solar-Fabrik and Wafer Dealer 6-14-05**

Per this press, Solar-Fabrik AG has signed a letter of intent with respect to the takeover of an important wafer dealer, allowing the company to secure wafer material with an equivalent volume of more than 30 MW a year for 2006 and the following years. Press at: <<http://www.presseportal.de/story.htx?nr=690005>>  
Solar-Fabrik: <<http://www.solar-fabrik.de/eng/1.htm>>

#### **Nanosolar Equity Financing 6-13-05**

Nanosolar announced that it closed \$20 million in Series B funding last month, increasing the total amount of funding secured by the company to \$37 million, not including additional loans. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAC0332.htm>>  
Nanosolar: <<http://www.nanosolar.com/>>

#### **Venture Capital Investments in Solar 6-10-05**

Per this article, Nanosolar of Palo Alto has raised \$20 million from a group of investors led by the Menlo Park firm Mohr, Davidow Ventures. And, Miasolé of San Jose has raised \$16 million in a round led by Menlo Park's Kleiner Perkins Caufield & Byers. Story at:  
<[http://news.yahoo.com/news?tmpl=story&u=/sv/20050610/tc\\_siliconvalley/\\_www11863583\\_1](http://news.yahoo.com/news?tmpl=story&u=/sv/20050610/tc_siliconvalley/_www11863583_1)>  
Nanosolar: <<http://www.nanosolar.com/index.html>>  
Miasolé: <<http://miasole.com/>>

#### **More on DayStar 6-10-05**

For more on DayStar's agreement with Blitzstrom, see the press "Solar Flair in Halfmoon" at:  
<<http://www.smartmoney.com/onedaywonder/index.cfm?story=20050609&src=&nav=RSS20>>

<[http://www.bizjournals.com/albany/stories/2005/06/06/daily33.html?from\\_rss=1](http://www.bizjournals.com/albany/stories/2005/06/06/daily33.html?from_rss=1)>  
DayStar Technologies: <<http://www.daystartech.com/aboutus.htm>>

**PV Module Encapsulation Facilities 6-10-05**

Mitsui Chemicals announced that its wholly owned subsidiary Mitsui Chemicals Fabro has decided to expand its facilities for manufacture of the SOLAR EVA PV solar module (PSM) encapsulating sheet at MCF's Nagoya Works. Press at:  
<[http://www.japancorp.net/Article.Asp?Art\\_ID=10283](http://www.japancorp.net/Article.Asp?Art_ID=10283)>

**BP Solar and Sun Edison Solar Offer 6-10-05**

Sun Edison LLC launched "SunE Solar Fund I", a \$60 million fund to support the installation of up to 25 solar electric systems in the U.S. The systems will be supplied by BP Solar as part of the BP Solar Energy Solutions™ offer and will be installed at facilities owned or leased by national retailers and state entities. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR511.htm>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>  
SunEdison: <<http://www.sunedison.com/>>

**Mid-Atlantic Solar Energy Industries Association Executive Director 6-8-05**

The Mid-Atlantic Solar Energy Industries Association announced it has appointed Susan Packard LeGros to oversee the growing regional trade association. In this role, she will help drive solar industry business development and strategic policy initiatives. See the press release ,Susan DeVico] at PowerLight:  
<[http://www.powerlight.com/company/press-releases/2005/06.07.05\\_seia.shtml](http://www.powerlight.com/company/press-releases/2005/06.07.05_seia.shtml)>  
SEIA: <<http://www.seia.org/about/statechapters.asp>>

**Sharp and the Giants 6-8-05**

Sharp Electronics Corporation and the San Francisco Giants Baseball Club have partnered to promote solar power as an energy alternative. As part of the sponsorship, Sharp has launched a radio promotion that encourages fans to generate their own power using a solar energy system, and has installed a Sharp solar electric system and multi-media kiosk at SBC Park. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=32967>>  
Sharp: <<http://solar.sharppusa.com/solar/home/0,2462,,00.html>>

**XsunX Solar Cell on Thin-Film Plastics 6-8-05**

XsunX, Inc. announced that its recent development of transparent solar cells on thin-film plastics has moved the Company closer to its goal of having its Power Glass™ technology used in the design and construction of modern buildings. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b98EF4729-5EF7-45ED-A2AB-0EA4CE650A88%7d&siteid=mktw&dist=nbk&symp=>>>  
<<http://www.xsunx.com/>>

**Origin Energy Technology Award [Yvette Reade] 6-7-05**

Australia's Origin Energy SLIVER® PV technology was recently recognized through winning a national Banksia environmental award. SLIVER cells were invented at the ANU Centre for Sustainable Energy Systems in a research program funded by Origin Energy. Origin has invested over \$30 million in developing its SLIVER technology at a pilot demonstration manufacturing plant in Adelaide. Per the press, the project is on track to have a product available to the domestic market in the coming months. Origin Energy, SLIVER technology:  
<[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233)>  
Origin Energy: <<http://www.originenergy.com.au/>>  
Banksia Awards: <<http://www.banksiafdn.com/index.php?page=212>>

**Green Oscars [Harin Ullal] 6-7-05**

Three Indian projects are among 9 short-listed for this year's Ashden Awards, known as the Green Oscars, with 2 being Noble Energy Solar Technologies Ltd. and Selco Solar Light Private Ltd. Story at:  
<<http://www.siliconindia.com/shownewsdata.asp?newsno=28372&newscat=Top>>  
Selco Solar Light: <<http://www.gvpe.org/content/content/detail/5607>>  
Noble Energy Solar Technologies: <<http://www.gvpe.org/content/content/detail/9294>>

#### **Konarka and Solaris Nanosciences Research [Hilary Ives] 6-7-05**

Konarka and Solaris Nanosciences are conducting a joint research program to evaluate the performance and efficiency of solar cells made with Konarka's light-activated power plastic and Solaris' metal structures. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aDXtxoqtVGf-?id=32846>>

Konarka press at:

<[http://www.konarka.com/news\\_and\\_events/press\\_releases/2005/6\\_june/0607\\_solarisnano.php](http://www.konarka.com/news_and_events/press_releases/2005/6_june/0607_solarisnano.php)>

Konarka: <<http://www.konarka.com/about/>>

Solaris Nanosciences: <<http://www.solarisnano.com/index.php>>

#### **Rensselaer Polytechnic Institute Center for Future Energy Systems 6-7-05**

Rensselaer Polytechnic Institute opened the Center for Future Energy Systems, a New York State Center for Advanced Technology. The new \$20 million research center, in partnership with Cornell University and Brookhaven National Laboratory, will focus on innovation in and commercialization of energy conservation and renewable energy systems. Said Rensselaer President Shirley Ann Jackson, "The need for an adequate supply of affordable, accessible, sustainable energy is the overarching issue of the 21<sup>st</sup> century. Energy security is the 'space race' of this millennium". Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6352179&ResultCategoryType=2,7&NewsPageID=3>>

#### **Spire Solar PV Module Line to India 6-7-05**

Spire Corporation announced it has executed a contract to provide EMMVEE Solar Systems Private Limited, Bangalore, India with a SPI-LINE™ 5000M. Said Mr. D.V. Manjunatha, EMMVEE's Managing Director, "We are pleased to be associated with Spire Corporation for the manufacture of high quality solar photovoltaic modules in India." Press at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6352172&ResultCategoryType=2,7&NewsPageID=3>>

#### **Nanoscale PV Cells and Organic LEDs 6-7-05**

NanoHorizons™ announced that it has received a notice of allowance from the US Patent Office for its nanoscale PV cell design. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6352140&ResultCategoryType=2,7&NewsPageID=3>>

NanoHorizons:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Enanohorizons%2Ecom&template=2,2>>

#### **Conergy AG on TecDAX 6-6-05**

Solar systems provider Conergy will be listed on the TecDAX on June 20. Said CEO Hans-Martin Ruter, "Conergy's goal is to just about double revenues this year to more than half a billion euros." Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsEUCO183.htm>>

Conergy: <<http://www.conergy.de/DesktopDefault.aspx>>

#### **Solar Hydrogen Pilot Plant 6-6-05**

SHEC labs' solar dish-style prototype will be applied in an upcoming demonstration project that harnesses landfill gas methane and creates hydrogen using concentrated solar thermal energy. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=32730>>

SHEC labs: <<http://www.shec-labs.com/>>

#### **Sunways Agreement with Swiss Wafers AG 6-6-05**

Sunways AG has entered into a cooperation agreement with Swiss Wafers, AG. The goal of the agreement is to jointly secure the provision of silicon raw material and to markedly expand the processing capacities of Swiss Wafers AG. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUMA69.htm>>

Sunways: <<http://www.sunways.de/de/>>

Swiss Wafers AG: <<http://www.swisswafers.ch/index.php?mainnav=customers>>

#### **SunPower Solar Panels 6-6-05**

SunPower Corp. announced a new line of higher efficiency solar electric panels at the 20<sup>th</sup> European Photovoltaic Solar Energy Conference & Exhibition. Several performance-enhancing features have been incorporated into the new product line. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEUPT33.htm>>

SunPower Press:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB66061C4-FDC5-452A-9677-CC3E93B471B2%7d&siteid=mktw&dist=nbk&symb=>>

SunPower Corp.: <<http://www.sunpowercorp.com/html/Products/Solar/modules.html>>

#### **First Solar Appointment [Paula Vaughnn] 6-6-05**

First Solar announced the appointment of David Wortmann to Director of Strategic Planning. Based in Berlin, Wortmann will be engaged in business development, plant expansion support, public relations and corporate strategic planning with a primary focus in the European markets. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=32751>>

First Solar Press at: <<http://www.firstsolar.com/pdf/MD-5-706%20EU%20FS%20Announces%20David%20Wortmann.pdf>>

First Solar: <[http://www.firstsolar.com/company\\_overview.php](http://www.firstsolar.com/company_overview.php)>

#### **First National Power in New Energy Business Park 6-3-05**

First National Power Corp. announced it has acquired the option to purchase a 40-acre site in a proposed new energy business park which is expected to host businesses focused on advancing and applying new and alternative energy technologies. For more on the business park, as well as First National Power's Green Oasis™ micro utility unit, see: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b72C7062E-E370-44B7-9C74-C1EF7402BC56%7d&siteid=mktw&dist=nbk&symb=>>

First National Power Corp.: <<http://www.firstnationalpower.com/>>

#### **Advent Solar Management Team [Nanette Tromblay] 6-3-05**

Advent Solar, Inc. announced two additions to the management team. Eric Roujolle joins the company as Vice President of Sales and Marketing. Joining the team earlier this year was Justin Sanchez, Director of Operations. Said Rusty Schmit, President and CEO, "These critical additions to the management team put Advent among the industry leaders in the race to provide the photovoltaic market with a solution that breaks the \$1 per watt cost barrier." [Advent press release]

Advent: <<http://www.adventsolar.com/>>

#### **SunPower Corporation Inverters 6-3-05**

SunPower Corp. announced the introduction of a comprehensive new line of SunPower inverters, which will be offered to SunPower's North American customers as part of a fully engineered high-performance system solution. The new inverters are offered in 3 power ratings, 2,000 watts (120V), 2,900 watts (208V), and 3,200 watts (240V). Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT115.htm>>

SunPower Corporation: <<http://www.sunpowercorp.com/html/>>

#### **Iowa Thin Film Contract 6-3-05**

Iowa Thin Film Technologies has received a \$3.2 million contract from the U.S. Army to supply the military with hundreds of tents that use the company's flexible solar cells to provide electric power. Press at:

<[http://www.iowathinfilm.com/news/webpages/DesMoinesRegister%20\(May%2014,2005\)/desmoinesregistermay142005.asp?AID=/20050514/BUSINESS04/505140334/1029/archive](http://www.iowathinfilm.com/news/webpages/DesMoinesRegister%20(May%2014,2005)/desmoinesregistermay142005.asp?AID=/20050514/BUSINESS04/505140334/1029/archive)>

Iowa Thin Film Technologies: <<http://www.iowathinfilm.com/>>

#### **Global Solar Order 6-3-05**

Global Solar Energy, Inc. was recently awarded a \$1 million contract to provide the U.S. Army with a rucksack portable solar charger. Said Global Solar President Michael Gering, "The soldier-portable solar charger provides a lightweight, safe solution for restoring battery power to mobile electronic equipment." Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b54C88756-5DEF-4CDF-88A2-9C67089EE6F5%7d&siteid=mktw&dist=nbk&symb=>>

Global Solar: <<http://www.globalsolar.com/>>

#### **Spire Corporation Agreement 6-3-05**

Spire Corporation has entered into a global consortium agreement with Nisshinbo Industries, Inc. for the development, manufacturing, and sales of PV module manufacturing equipment. Said Roger Little, CEO and Chairman of Spire, "With the explosion of the photovoltaic industry and its demand for module manufacturing equipment, we are excited to enter into a direct relationship with Nisshinbo, a major global diversified general equipment manufacturer." More in the Spire press release at: <<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-newsreleases>>  
Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO326.htm>>

#### **Dankoff Solar Name Change to Conergy Inc. 6-2-05**

Dankoff Solar Products is officially changing its name to Conergy, Inc. Conergy AG purchased 80% of Dankoff Solar Products Inc. in early 2005 to expand its global presence in solar markets. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b236F5369-AD5D-48F3-A642-48CCE4EDD07A%7d&siteid=mktw&dist=nbk&symp=>>>  
Conergy: <[http://www.conergy.com/DesktopDefault.aspx/tabid-182/271\\_read-3396/](http://www.conergy.com/DesktopDefault.aspx/tabid-182/271_read-3396/)>

#### **More on ICP Partnership with Titan Energy Systems 6-2-05**

ICP's partnership with Titan accomplishes two objectives. First ICP will ship solar cells made at its UK plant to Titan's facility in India for lamination and finishing. Second, Titan will resell finished ICP solar panels through its distribution channels in India and the Pacific Rim. Additionally ICP has opened a new distribution center in Dallas, Texas. Story at RenewableEnergy Access:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=32149>>  
ICP: <<http://www.icpsolar.com/>>  
Titan Energy Systems: <<http://www.titansolar.com/titan/>>

#### **Renewable Ventures Acquisition 6-2-05**

Renewable Ventures LLC announced it has completed a management buy out of the U.S. renewable energy subsidiary of nv Nuon. Renewable Ventures facilitates the process of establishing and operating clean energy sources and promotes competitively priced energy from alternative energy sources. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b5C1C10E5-C9CA-4718-A438-954AD2B05F44%7d&siteid=mktw&dist=nbk&symp=>>>  
Renewable Ventures: <<http://www.renewableventures.com/>>

#### **GT Equipment Technologies Solar Business 6-2-05**

GT Equipment Technologies Inc. announced that the company generated more revenue growth, employment growth and productivity in the fiscal year ended 31 March 2005 than at any time in its 11-year history. The growth was in the company's solar division, GT Solar Technologies, Inc. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bFC6726CB-0857-4656-BBE1-A79501CDD750%7d&siteid=mktw&dist=nbk&symp=>>>  
GT Solar Technologies: <<http://www.gtequipment.com/products/>>

#### **Sharp's Integrated Solar Roof Modules 6-2-05**

Sharp Electronics Corporation offers homeowners an option for residential roofing with its ND-60RU1 60-watt solar roof tile modules designed for new construction or refurbished roofs. Press at: <<http://biz.yahoo.com/bw/050601/15782.html?.v=1>>  
Sharp: <<http://solar.sharpusa.com/solar/home/0,2462,,00.html>>

#### **First Solar Agreement with Phonix SonnenStrom AG [Paula Vaughnn] 6-2-05**

First Solar and Phonix SonnenStrom AG announced that the companies have entered into a framework agreement for the purchase and sale of 7 MW of First Solar thin film solar modules during 2005 and 2006. First Solar press release:  
<<http://www.firstsolar.com/pdf/MD-5-705%20EN%20First%20Solar%20Supply%20Agreement%20with%20Phonix.pdf>>  
Coverage at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO182.htm>> and  
RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=32252>>  
Phonix SonnenStrom AG: <<http://www.sonnenstromag.de/>>  
First Solar: <<http://www.firstsolar.com/>>

#### **PowerLight in Homebuilding Market 6-2-05**

PowerLight Corporation is entering the residential solar market offering turnkey solar products and solutions for new homes in California. PowerLight's SunTile™ Building Integrated Photovoltaic residential product line is designed for new home developments. PowerLight is entering the residential market in partnership with ConSol through the state's ZENH program. SunPower is supplying the PV technology for PowerLight's SunTile roofing product. More on these developments at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAPT113.htm>>

PowerLight: <<http://www.powerlight.com/>>

SunPower: <<http://www.sunpowercorp.com/html/>>

ConSol: <<http://www.consol.ws/news.asp?y=2005&a=002>>

#### **GE's Ecomagination for Home Builders 6-2-05**

GE's ecomagination is creating new awareness of energy-efficient homes and solar electric products for the new home construction industry. The company's commitment is visible in its development of solar products specifically for new homebuilders and in its involvement in more than 55 solar housing communities in California. Story at:

<<http://biz.yahoo.com/bw/050601/16033.html?v=1>>

GE Energy: <<http://www.gepower.com/home/index.htm>>

#### **XsunX Solar Cell 6-1-05**

XsunX, Inc. announced that its recent success in the development of low temperature manufacturing techniques has allowed the company to produce its first transparent solar cell on inexpensive true thin-film plastic. Press at:

<<http://www.primezone.com/newsroom/?d=79128>>

XsunX: <<http://www.xsunx.com/>>

#### **BP Solar Solutions 6-1-05**

BP Solar will showcase its BP Solar Builder Solutions™ at the Pacific Coast Builders Conference to be held at the Moscone Center in San Francisco 31 May through June 3. The BP Solar Builder Solutions includes 2 new products: the patented Integra™ solar electric roof system, and the EnergyTile™ integrated solar electric roof system.

Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT112.htm>>

BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

PCBC 2005: <<http://www.pcbc.cc/home.asp>>

### **Renewables Programs, Projects**

#### **Australia's Solar Cities 6-30-05**

Townsville City Council agreed to join an Ergon Energy-led consortium to seek a share of the Federal Government's funding under the Solar Cities Program. The Solar Cities Program aims to provide a model of how solar energy and energy efficiency can deliver economic and environmental benefits in a trial area. Story through Solarbuzz

<<http://www.solarbuzz.com/News/newspage.asp>> at:

<[http://townsvillebulletin.news.com.au/common/story\\_page/0,7034,15765250%255E14787,00.html](http://townsvillebulletin.news.com.au/common/story_page/0,7034,15765250%255E14787,00.html)>

#### **Solar in Maine 6-30-05**

Governor John Baldacci signed legislation to encourage the use of solar, providing rebates of about a quarter of the cost of a new solar hot water or PV system. Story through Solarbuzz <<http://www.solarbuzz.com/News/newspage.asp>> at:

<[http://www.boston.com/news/local/main/articles/2005/06/29/governor\\_signs\\_bill\\_to\\_promote\\_solar\\_energy/](http://www.boston.com/news/local/main/articles/2005/06/29/governor_signs_bill_to_promote_solar_energy/)>

#### **Arizona Solar 6-29-05**

For the article "APS helps pay for solar panels", with information about the application of the Environmental Portfolio Standard Credit Purchase Program offered by APS, see newszap.com at:

<[http://www.newszap.com/articles/2005/06/28/az/west\\_valley/sun04.txt](http://www.newszap.com/articles/2005/06/28/az/west_valley/sun04.txt)>

APS, EPS: <[http://www.aps.com/my\\_community/Solar/eps.html](http://www.aps.com/my_community/Solar/eps.html)>



### **Green Bonds, IRS Ruling 6-29-05**

ReFocus reports that U.S. projects that want to qualify for tax-exempt financing from green bonds must generate electricity on-site and create at least 1,500 full-time jobs, according to a ruling by the IRS. Congress authorized \$2 billion in tax-exempt bonds for environmental projects on former industrial sites, and the IRS ruling requires projects to be at least 1 million square feet of building space or 20 acres of land, with three-quarters qualified for LEED certification. The goal is to reduce national electricity consumption by 150 MW a year and boost the market for PV by 75%. For this, and more renewables news, see ReFocus News-in-Brief at:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=51398867&accnum=1&topics=](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=51398867&accnum=1&topics=)>  
Reuters Press on IRS ruling: <<http://www.alertnet.org/thenews/newsdesk/N2067694.htm>>  
IRS: <<http://www.irs.gov/pub/irs-drop/n-05-48.pdf>>  
Tax news: <<http://tax.cchgroup.com/news/headlines/2005/nws62105.htm>>  
Public Law: P.L. 108-357, pp. 370-374: <[http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=108\\_cong\\_reports&docid=f:hr755.108.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=108_cong_reports&docid=f:hr755.108.pdf)>

### **Renewable Energy for Croatia 6-28-05**

The World Bank's Board of Executive Directors approved a Renewable Energy Resources Project for the Republic of Croatia, funded by a grant from the Global Environment Facility Trust Fund of \$5.5 million, with expected contributions of about \$120 million equivalent. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=33882>>

### **California Million Solar Roofs 6-27-05**

The California Million Solar roofs bill, SB 1, will be heard in two committees in the Assembly - Utilities and Commerce and Appropriations - before heading to the Assembly floor later this summer. For more on this bill and its status, see Solarbuzz at:

<<http://www.solarbuzz.com/News/NewsNAG0255.htm>>

### **Vietnam Renewables 6-24-05**

Vietnam plans to increase the portion of renewable energy in its total power generation to 10% in 2010, said the state-owned Electricity of Vietnam (EVN). Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6363476&ResultCategoryType=2,7&NewsPageID=3>>

### **Pennsylvania Clean Energy Projects 6-24-05**

The Pennsylvania Energy Development Authority awarded \$10 million to help finance 17 clean energy projects. Among the awardees is Plextronics, Inc., which will receive \$300,000 to fund research for development of the next generation of solar cells based on polymer technology. Also, Solar Power Industries Inc. will receive \$302,676 to research potential nontraditional means to increase available feedstock of solar-grade silicon. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6362894&ResultCategoryType=2,7&NewsPageID=3>>

PEDA:

<[http://www.dep.state.pa.us/dep/deputate/pollprev/PA\\_Energy/PAENERGY/PEDA\\_home.htm](http://www.dep.state.pa.us/dep/deputate/pollprev/PA_Energy/PAENERGY/PEDA_home.htm)>

### **Green Lights, Vancouver, Washington 6-23-05**

The 3<sup>rd</sup> solar array financed by Clark County's electric utility's Green Lights program is operational. Under Green Lights, about 420 customers volunteer to buy a total of 5,400 blocks of electricity a month from renewable energy sources at a cost of \$1.50 for 100 kWh. BPA buys the power from wind farms and solar facilities and then markets it. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6362076&ResultCategoryType=2,7&NewsPageID=3>>

Green Lights:

<<http://www.clarkpublicutilities.com/Community/environmentalProjects/greenLights>>

### **Vermont Renewables 6-23-05**

Vermont has become the 19<sup>th</sup> state to approve a mandated renewable energy requirement. For details, see EERE Network News (Kevin Eber) at:

<<http://www.eere.energy.gov/news/#9129>>

And RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/section?id=BRIEF#33708>>

Vermont Bill Tracking System:

<<http://www.leg.state.vt.us/database/status/summary.cfm?Bill=S%2E0052>>

#### **LADWP Budget 6-22-05**

The Los Angeles Department of Water and Power Board of Water and Power Commissioners approved a balanced, \$3.1 billion budget for fiscal year 2005-06 that demonstrates commitment to programs that foster clean air and renewable energy. The budget earmarks \$27 million for energy efficiency programs and \$16 million for continued funding of LADWP's solar PV incentive program in 2005-06. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6361324&ResultCategoryType=2,7&NewsPageID=3>>

<<http://www.ladwp.com/ladwp/homepage.jsp>>

#### **Renewable Energy in China 6-17-05**

The World Bank's Board of Executive Directors approved a loan of US\$87 million to the People's Republic of China for the financing of the Renewable Energy Scale-up Program, supplemented by a grant of US \$40.22 million from the Global Environment Facility. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6359247&ResultCategoryType=2,7&NewsPageID=3>>

See also Beijing Renewables:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6359080&ResultCategoryType=2,7&NewsPageID=3>>

#### **New York Solar Bills 6-17-05**

Two bills promoting the use of solar energy have passed the state Senate. For more on these bills, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNAGO253.htm>>

#### **Spanish Government Funds for Philippine Solar 6-14-05**

Two agrarian reform cooperatives in Davao Oriental are beneficiaries of P1.6 million worth of solar power technology assistance to develop virgin coconut oil products. The farming cooperatives are in remote areas of the municipalities, which qualified them for the Spanish government-funded Solar Power Technology Support to Agrarian Reform Communities (SPOTS) projects. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6356199&ResultCategoryType=2,7&NewsPageID=3>>

SPOTS: <<http://www.gvcp.org/content/general/detail/6715>> and

<[http://www.photon-magazine.com/news/news\\_01-04\\_ap\\_bp-solar.htm](http://www.photon-magazine.com/news/news_01-04_ap_bp-solar.htm)>

#### **Renewables Guidebook 6-13-05**

The final draft version of the California Energy Commission's Fifth Edition of the Emerging Renewables Program Guidebook is available at:

<[http://www.energy.ca.gov/renewables/emerging\\_renewables.html](http://www.energy.ca.gov/renewables/emerging_renewables.html)>

#### **New Jersey PV Program 6-13-05**

The Office of Clean Energy is changing the rebate levels for solar PV equipment installation in the Customer On-site Renewable Energy Program. The new rebate levels will take effect 1 July 2005. Information at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO250.htm>>

#### **San Diego, California Solar Plan 6-13-05**

Council member Donna Frye has announced her plan to expand the solar industry in San Diego as a way to create jobs, increase revenue for the city, clean the air, reduce reliance on fossil fuels, and make San Diego a hub for the industry. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO251.htm>>

#### **Illinois Renewables 6-10-05**

Governor Rod Blagojevich commended a new study of Illinois' energy resources that found that the Governor's Renewable Energy Plan would not only create cleaner air, but also would add 7,800 jobs and boost economic growth by approximately \$7 billion across the state by 2012. The Plan is one portion of the Sustainable Energy Plan submitted

to the Illinois Commerce Commission in February. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33119>>  
Report from The Energy Resources Center, University of Illinois at Chicago:  
<<http://www.erc.uic.edu/>>

#### **Vermont RPS 6-9-05**

Members of Vermont's House and Senate have agreed to what is likely to be the final version of the Legislature's Renewable Portfolio Standard for the state. See RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33057>>

#### **Australian Federal Renewables Grants 6-9-05**

An AUD \$100 million fund to support cutting-edge renewable energy technology development has been officially launched by Australia's Federal Industry Minister Ian Macfarlane. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33059>>  
More on the Renewable Energy Development Initiative (REDI):  
<<http://www.ausindustry.gov.au/>>

#### **Colorado, Amendment 37 6-6-05**

For information on Amendment 37 progress to date, see the website at:  
<<http://www.dora.state.co.us/puc/rulemaking/Amendment37.htm>>

#### **California, Million Solar Roofs, SB 1**

For documents associated with SB 1 in the 2005-2006 Session, see:  
<[http://www.leginfo.ca.gov/cgi-bin/postquery?bill\\_number=sb\\_1&sess=CUR&house=B&author=murray](http://www.leginfo.ca.gov/cgi-bin/postquery?bill_number=sb_1&sess=CUR&house=B&author=murray)>

#### **Arizona Solar 6-3-05**

Said Commissioner Kris Mayes during a meeting on rule changes to the environmental portfolio standard, "Arizona's strength is the sun. This rule is going to help us play to our strength". More opinions in the story at:  
<[http://www.nctimes.com/articles/2005/06/03/business/news/19\\_27\\_096\\_2\\_05.txt](http://www.nctimes.com/articles/2005/06/03/business/news/19_27_096_2_05.txt)>

#### **Million Solar Roofs, California 6-3-05**

California's State Senate overwhelmingly passed SB 1, the Million Solar Roofs Initiative, moving the package forward to the full state Assembly with strong bi-partisan and public support. For the story, see RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=32497>>

#### **Million Solar Roofs, California 6-2-05**

The Million Solar Roofs Bill, SB 1, cleared the California State Senate by a vote of 28 to 3 demonstrating broad bi-partisan support for solar power. Story at:  
<[http://www.ems.org/nws/2005/06/01/nations\\_biggest\\_](http://www.ems.org/nws/2005/06/01/nations_biggest_)>  
Details of the bill:  
<<http://environmentcalifornia.org/enviocalifenergy.asp?id2=13512>>

#### **British Government Renewables Commitment 6-2-05**

"I want there to be no doubt of our determination to push ahead on renewables" said energy minister Malcolm Wicks. "Energy policy was set in the White Paper for the long term and our target of generating 10% of electricity from renewables by 2010 is central to it". Story at ReFocus:  
<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=2839298&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=2839298&accnum=1&topics=>)  
See also ReFocus News-in-Brief at:  
<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=13669986&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=13669986&accnum=1&topics=>)

### **Meetings, Gatherings, Conferences**

#### **Renewables Finance 2005 6-30-05**

For information on Renewables Finance 2005, including RECs-Based Financing, see the websites at: <<http://www.infocastinc.com/renew.html>>  
<<http://www.infocastinc.com/renew/recs-agenda.html>>

#### **Solarpark Dedication in Germany 6-30-05**

The 10 MW Bavarian Solarpark, built by PowerLight Corporation, covers 62 acres and uses 57,600 PV panels. For a project description, and details of the dedication ceremony June 30, see:

PowerLight: <<http://www.powerlight.com/bavaria/index.shtml>>

Dedication: <<http://www.powerlight.com/bavaria/dedication.shtml>>

Press: <<http://www.dw-world.de/dw/briefs/0,1574,1635568,00.html>>

#### **Renewable Energy Finance Forum 6-29-05**

There were nearly 600 attendees at the Renewable Energy Finance Forum, an event co-sponsored by EuroMoney and the American Council on Renewable Energy. For coverage of the event, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=ajF4l7fts6Ef?id=33905>>

#### **PV Industry Week 6-28-05**

For information on Solar Energy International's "PV Industry Week", 1-5 August 2005 in Carbondale, Colorado, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33849>>

Solar Energy International: <<http://www.solarenergy.org/>>

#### **Plastic Electronics 2005 Conference 6-28-05**

For information on the conference "Plastic Electronics 2005" 4-5 October 2005 in Germany, and the "Organic Photovoltaics Symposium", see the links at:

<<http://www.plastictronics.org/>>

<[http://www.plastictronics.org/downloads/PLASTICELECTRONICS2005\\_FULLPROGRAM.pdf](http://www.plastictronics.org/downloads/PLASTICELECTRONICS2005_FULLPROGRAM.pdf)>

<[http://www.plastictronics.org/downloads/PLASTICELECTRONICS2005\\_SYMPOSIUMPROGRAM\\_ORGANICPV.pdf](http://www.plastictronics.org/downloads/PLASTICELECTRONICS2005_SYMPOSIUMPROGRAM_ORGANICPV.pdf)>

#### **Mission to Brazil 6-27-05**

A partnership being led by the U.S. Department of Commerce is arranging for a trade mission meant to offer an opportunity for U.S. firms to break into Brazil's rapidly expanding renewable energy market. The DOC, with the American Council on Renewable Energy and the Business Council for Sustainable Energy, is planning the trade mission to Brazil 17-19 October 2005. Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=33781>>

Renewable Energy Trade Mission to Brazil:

<<http://www.buyusa.gov/eme/energymission.html>>

ACORE: <<http://www.acore.org/>>

Business Council for Sustainable Energy: <<http://www.bcse.org/>>

#### **Rural Energy Business Alliance [John Rogers] 6-24-05**

The June 13-17 "South-South REDCO Exchange" brought together entrepreneurs from around the world to focus on the role of private rural energy delivery companies (REDCO's) in expanding service to rural areas, particularly with solar energy. The members of the newly formed REDCO Alliance decided in their inaugural meeting to proceed under a formal working arrangement for mutual support and joint rural energy initiatives.

Press at:

<[http://www.soluzusa.com/about\\_soluz/documents/IndiaMeetingLaunchesRuralEnergyBusinessAlliance.pdf](http://www.soluzusa.com/about_soluz/documents/IndiaMeetingLaunchesRuralEnergyBusinessAlliance.pdf)>

#### **San Diego, California Energy Awareness 6-23-05**

To increase the awareness of solar energy and help educate the public about its practical applications, the San Diego Regional Energy Office is launching "Solar Energy Week", 25 September to 1 October. For the schedule of events, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE5F458C9-D0EA-4CF4-86DE-A1BEC5F614A7%7d&siteid=mktw&dist=nbk&symp=>>>

San Diego Regional Energy Office: <<http://www.sdenergy.org/>>

#### **Star Power in California 6-22-05**

At an event sponsored by Global Green USA and Environment California, Actor Edward Norton led a media event meant to promote the Million Solar Roofs Initiative (SB 1), and a companion bill. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=33657>>  
Global Green USA: <<http://www.globalgreen.org/>>

#### **Global PV Solar Electricity Council 6-22-05**

During the Barcelona PV Conference, a follow up of the Global PV Platform was organized. For more on the events associated with this initiative and the Global PV Solar Electricity Council, see the EPIA June newsletter at:  
<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=06&c\\_cat=15](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=06&c_cat=15)>

#### **New Jersey Solar Market Mixer 6-21-05**

Business leaders and government officials are hoping to make New Jersey the Solar State. "New Jersey's solar program is a model for the nation and the world", said M. Todd Foley, director of business development and external affairs for BP Solar at a solar seminar at the New Jersey Institute of Technology in Newark. Story at:  
<<http://www.northjersey.com/page.php?qstr=eXJpcnk3Zjc2N2Y3dnFlZUVFeXkyOCZmZ2JlbDdmN3ZxZWVFRXl5NjcxMDY1NCZ5cmlyeTdmNzE3Zjd2cWVlRUV5eTI=>>  
Mixer: <<http://www.renewableenergyaccess.com/rea/events/view?id=33468>>

#### **World Water & Power Update 6-20-05**

The CEO of WorldWater & Power Corporation will issue an update of the Company's progress at its Annual Shareholder Meeting 22 June. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b14CA2F1D-EC2E-4751-9BFE-B49225192DD0%7d&siteid=mktw&dist=nbk&sybm=>>

WorldWater & Power Corporation will be an exhibitor at the 8<sup>th</sup> Annual Congressional Renewable Energy and Energy Efficiency EXPO and Forum in Washington, DC on 21 June.

WorldWater & Power: <<http://www.worldwater.com/>>

EXPO: <<http://www.renewableenergyaccess.com/rea/events/view?id=33372>>

#### **SMARTS Workshop 6-20-05**

The SMARTS workshop at the Solar World Congress in August will introduce researchers and systems designers to the importance of solar spectral distributions in the arena of PV device design and performance, daylighting, materials research, and solar radiation modeling. For more on the workshop, see:

<<http://www.ases.org/congress/ws07.htm>>

Simple Model for the Atmospheric Radiative Transfer of Sunshine:

<<http://rredc.nrel.gov/solar/models/SMARTS/workshop2005.html>>

2005 Solar World Congress: <<http://www.swc2005.org/>>

#### **Solar Conference Green Travel Option 6-15-05**

The American Solar Energy Society, the International Solar Energy Society, and The Bonneville Environmental Foundation are offering attendees of Solar World Congress 2005 an option to green their travel. Story at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aK1t\\_o33jCm?id=33218](http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aK1t_o33jCm?id=33218)>

Additional press at:

<[http://www.earthvision.net/ColdFusion/News\\_Pagel.cfm?NewsID=28245](http://www.earthvision.net/ColdFusion/News_Pagel.cfm?NewsID=28245)>

Solar World Congress, 6-12 August, Orlando, Florida: <<http://www.swc2005.org/>>

ASES: <<http://www.ases.org/>>

ISES: <<http://www.ises.org/ises.nsf!Open>>

BEF: <<http://www.b-e-f.org/>>

#### **Energy Secretary's Tour 6-10-05**

Secretary of Energy Samuel W. Bodman will kick off the "Energizing America for Energy Security" tour on 13 June during a visit to Habitat for Humanity's net zero energy home. Secretary Bodman will also tour NREL and offer keynote remarks to the June meeting of the Western Governor's Association. The tour is an effort to speak directly to the American people about the need for Congress to pass comprehensive energy legislation. DOE Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18038&BT\\_CODE=PR\\_MEDIAADVISORIES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18038&BT_CODE=PR_MEDIAADVISORIES&TT_CODE=PRESSRELEASE)>

### **Renewable Portfolio Standards Conference 6-10-05**

The Renewable Portfolio Standards Conference: Western US, is set for 27-28 July 2005 in San Diego, California. This conference will address the regulatory and policy initiatives undertaken by states in the western U.S., key strategies on how industry will approach RPS compliance, verification and tracking and the challenges of integrating renewables into the existing transmission grid system. Information at: <<http://www.pmaconference.com/RenewablePortfolioJul27.05.pdf>>

### **Congressional Renewable Energy and Energy Efficiency EXPO 6-9-05**

The Eighth Annual Congressional Renewable Energy and Energy Efficiency EXPO will bring together over 3 dozen companies, associations, and organizations from across the U.S. representing more than 2 dozen renewable energy and energy efficiency technologies. For more on this event on 21 June 2005, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=apcsXkFn724?id=32979>>

### **Renewables Finance 2005 6-9-05**

Renewables Finance 2005 7-9 September 2005, is slated to serve as the stage where RE CFOs, investors, lenders, attorneys, and other RE finance players can examine the current state-of-the art in renewable finance structures and explore the new, creative solutions that will be needed to increase RE deal flow in the future. Information at: <<http://www.infocastinc.com/renew.html>>. The event also includes RECs-Based Financing: <<http://www.infocastinc.com/renew/recs-agenda.html>>

### **Solar World Congress 6-9-05**

The 2005 Solar World Congress is set for 6-12 August 2005 in Orlando, Florida. Information at: <<http://www.swc2005.org/>>

### **More on Chancellor Schroeder with Evergreen Solar and Q-Cells 6-9-05**

German Chancellor Gerhardt Schroeder recently met with Evergreen Solar and Q-Cells AG in Thalheim, Germany, where a new \$USD \$75 million solar panel manufacturing plant will be constructed. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=33053>>  
Q-Cells: <[http://www.q-cells.com/2\\_eng.php](http://www.q-cells.com/2_eng.php)>  
Evergreen Solar: <<http://www.re-access.com/rea/market/business/view?cid=1784>>

### **German Chancellor Meeting with Evergreen Solar and Q-Cells 6-8-05**

German Chancellor Gerhardt Schroeder met with Evergreen Solar and Q-Cells AG in Thalheim, Germany where a new \$75 million solar panel manufacturing plant will be constructed by EverQ, a recently announced strategic partnership formed by the two firms. He also met with CSG Solar AG, a Thalheim-based developer of solar panels. The German government plans to provide the new EverQ manufacturing facility with grants totaling approximately \$34 million at current exchange rates. Per the press, the PV market was over \$7 billion in 2004 and is growing at more than 40% per year. Germany is the world's largest solar power market accounting for 40% of worldwide spending in 2004. Markets in Japan and the U.S. rank second and third. Story and photo at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUC0185.htm>>  
Evergreen Solar press at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=718357](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=718357)>  
Evergreen Solar: <<http://www.evergreensolar.com/index.html>>  
Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>  
CSG Solar: <<http://www.csgsolar.com.au/>>

### **Solar Roof Tiles 6-7-05**

Per this article in RenewableEnergyAccess, increasing consumer interest in roof-integrated solar tiles and the possibility that California's groundbreaking Million Solar Roofs Initiative might pass later this summer are two key reasons why some of the solar industry's biggest players attended last week's Pacific Coast Builders Conference to display their BIPV products. Story at: <<http://www.renewableenergyaccess.com/rea/news/story?id=32855>>



#### **ACORE Renewable Energy Finance Forum 6-2-05**

More than 60 top national leaders and speakers including New York Governor George Pataki and California Controller Steve Westly will address the 2<sup>nd</sup> Renewable Energy Finance Forum - Wall Street 23-24 June in New York City. Information at: <<http://www.euromoneyenergy.com/default.asp?Page=13&eventid=ECK109>>

#### **Pacific Coast Builders Conference 6-2-05**

Per this article, the biggest tradeshow for West Coast homebuilders convened Wednesday, and the spotlight shined on solar-powered, energy-efficient homes. See the article at: <[http://insidebayarea.com/businessnews/ci\\_2775709](http://insidebayarea.com/businessnews/ci_2775709)>

### **U.S. Congress In Action**

#### **Senate Energy & Water FY 2006 Appropriations Action 6-30-05**

Today, the Senate is considering CAFTA Legislation, which will be followed by consideration of the Legislative Branch and Energy and Water Appropriations bills.

#### **Senate Energy Bill 6-29-05**

The U.S. Senate passed their version of a comprehensive energy bill yesterday, which contains a number of policy items for renewable energy technologies. For coverage of the bill, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=33906>>

#### **U.S. Energy Bill 6-28-05**

The Senate voted to approve their version of a comprehensive energy bill. A conference with the House of Representatives will follow to resolve differences. More on the potential impacts of the bill at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAG0256.htm>> and

RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aWJ5Uw2dPeYf?id=33875>>

SEIA: <<http://www.seia.org/>>

#### **U.S. FY 2006 Energy Appropriations 6-20-05**

The link to the Senate Appropriations Committee report to accompany the Energy & Water Appropriations bill is: <[http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109\\_cong\\_reports&docid=f:sr084.109.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_reports&docid=f:sr084.109.pdf)>

See Department of Energy, beginning on page 112, and funding tables starting on page 182.

#### **David Garman Confirmed 6-20-05**

The Senate unanimously confirmed David Garman as under secretary of energy. Garman has been acting undersecretary, and has been assistant secretary for energy efficiency and renewable energy since the start of the Bush administration [Platts Inside Energy].

#### **RPS in U.S. Senate Energy Bill 6-17-05**

The U.S. Senate, in a 52-48 vote adopted a proposal aimed at increasing the amount of electricity utilities generate using renewable sources. The proposal from Senator Jeff Bingaman would require 10% of the power utilities sell to the retail market to come from renewable sources. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aS9sXmQ8vVle?id=33451>>

Additional coverage: <<http://www.marketwatch.com/news/story.asp?guid={9D84F0A3-9A3B-497A-A896-807B883E0D99}&siteid=mktw&dist=nbk>>

#### **U.S. FY 2006 Energy Appropriations 6-17-05**

The Senate Appropriations Committee report to accompany the Energy and Water Appropriations Bill, H.Rept. 109-84, includes a recommendation of \$83,953,000 for solar energy, with a number of directed funding items. The Senate version of the bill will be reconciled with the House version in conference.

### **U.S. Energy Bill and Energy Policy 6-16-05**

For coverage of the energy bill at RenewableEnergyAccess, see:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=axqkqmZERYPa?id=33314>>  
. See additional press at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6357556&ResultCategoryType=2,7&NewsPageID=3>>

Two Senators have teamed up to introduce an amendment that would require utilities in every state to source 20% of their energy from renewable energy. The national Renewable Portfolio Standard amendment creates a renewable energy standard under which utilities would be required to gradually increase the amount of electricity produced from renewable energy resources, starting a 2.5% in 2006 and leveling out at 20% in 2020. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33251>>

For the RenewableEnergyAccess RE Insider's article on opening up the Federal PTC to all renewables and developers, see:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=33194>>

For a copy of President Bush's remarks to the 16<sup>th</sup> Annual Energy Efficiency Forum, see: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={4D45E49E-EA68-4FCE-9AB2-A5E41F50AFE0}&siteid=mktw&dist=nbk&symb=>>>  
Energy Efficiency Forum: <<http://www.eeforum.net/>>

A web site, "Ask the White House", has been established for questions to Energy Secretary Samuel Bodman regarding the current energy policy, and the President's plans for working with Congress to pass a comprehensive energy bill. See the web site at:  
<<http://www.whitehouse.gov/ask/20050615.html>>

### **U.S. FY 2006 Energy Appropriations 6-16-05**

The Senate Appropriations Committee marks up the Energy & Water bill today.

### **Energy Policy Tax Incentives 6-15-05**

For a description of the "Energy Policy Tax Incentives Act of 2005", see:  
<<http://finance.senate.gov/sitepages/leg/leg061405a.pdf>>  
The mark up is scheduled in the Senate Committee on Finance on June 16<sup>th</sup>. The Senate is currently considering the Energy Bill.  
Energy Bill:  
<[http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem\\_ID=3](http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem_ID=3)>

### **U.S. FY 2006 Energy Appropriations 6-15-05**

The Senate Energy & Water and Related Agencies Appropriations Subcommittee marked up the Energy & Water appropriations bill yesterday, and the full Committee will act tomorrow. Highlights are available, and reports should be available shortly.

### **U.S. FY 2006 Energy Appropriations 6-14-05**

The Senate Energy & Water and Related Agencies Appropriations Subcommittee marks up their appropriations bill today, and the full committee marks up the bill on Thursday.

### **U.S. Senate Energy Bill 6-14-05**

Today, the U.S. Senate is scheduled to begin consideration of H.R. 6, the Energy bill. A number of key issues, including a renewables provision, will be on the table. See, for example, press at:  
<[http://www.bloomberg.com/apps/news?pid=email\\_us&refer=us&sid=aTCvAC0oml\\_A](http://www.bloomberg.com/apps/news?pid=email_us&refer=us&sid=aTCvAC0oml_A)>  
<[http://www.nasdaq.com/aspxcontent/NewsStory.aspx?cpath=20050613\ACQDJON200506131904DOWJONESDJONLINE000809.htm&selected=9999&selecteddisplaysymbol=9999&StoryTargetFrame=to\\_p&mkt=WORLD&chk=unchecked&lang=&link=&headlinereturnpage=http://www.international.na](http://www.nasdaq.com/aspxcontent/NewsStory.aspx?cpath=20050613\ACQDJON200506131904DOWJONESDJONLINE000809.htm&selected=9999&selecteddisplaysymbol=9999&StoryTargetFrame=to_p&mkt=WORLD&chk=unchecked&lang=&link=&headlinereturnpage=http://www.international.na)>  
<<http://www.csmonitor.com/2005/0614/p03s02-uspo.html>>

### **FY 2006 Energy Appropriations 6-10-05**

The Senate Energy & Water and Related Agencies Appropriations Subcommittee meeting to mark up the energy and water development appropriations bill is set for 2:30 pm June 14. The full Appropriations Committee meets at 2 pm on June 16 to consider the bill.

### **U.S. FY 2006 Energy Appropriations 6-8-05**

The Senate Energy and Water and Related Agencies Appropriations Subcommittee will mark up the EWD bill on 14 July at 2:30 p.m. in SD 138.

**U.S. Comprehensive Energy Bill 6-8-05**

The Senate version of the comprehensive energy bill may be on the Senate Floor on Monday, 13 June.

**U.S. FY 2006 Energy Appropriations 6-7-05**

The Senate Energy & Water Development Appropriations Subcommittee is set to mark up their bill June 14. Time and place TBD.

**Reports, Publications, Statements**

**Interstate Renewable Energy Council Newsletter [Jane Pulaski] 6-30-05**

For the latest issue of the IREC/MSR Newsletter with news on schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification, DOE Million Solar Roofs, and other topics, see: <<http://www.irecusa.org/commout/enewsletter.html>>

**Navigant Consulting and Soluz Initiative 6-30-05**

A team of energy experts led by Navigant Consulting, Inc. and Soluz, Inc. is undertaking a major multi-client study on the state of rural energy delivery and the role for distributed energy technologies in accelerating energy service to rural areas. For more on "Innovation in Rural Energy Delivery", see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=33921>>

Navigant Consulting:

<<http://www.navigantconsulting.com/A559B1/navigantnew.nsf/fcNTDspHMRead?OpenForm&Cat1=LA0>>

Soluz: <<http://www.soluzusa.com/>>

**BP Report on World Energy [Kevin Eber] 6-29-05**

See EERE Network News for coverage of BP's Statistical Review of World Energy 2005, which includes a section on Renewable Energy, at:

<<http://www.eere.energy.gov/news/#energy>>

**Advancing Renewable Energy 6-29-05**

Per this press, the United States and the European Union will work to advance all forms of renewable energy, according to two fact sheets issued by the White House after a summit with the continental government. Press at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=79032534&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=79032534&accnum=1&topics=>)

White House press: <<http://usinfo.state.gov/xarchives/display.html?p=washfile-english&y=2005&m=June&x=20050620183121xlrenneF0.6754048&t=eur/eur-latest.html>>

**Immelt on Ecomagination 6-29-05**

General Electric Company Chairman and CEO Jeff Immelt outlined Europe-specific aspects of the company's ecomagination initiative. Said Immelt, "Ecomagination is a global GE growth strategy where advanced technologies help us answer modern challenges, support our customers, and increasingly enhance our bottom line. Applying technology to solving problems is universally good business - in the U.S., in Europe and around the world." Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b83B75E81-0429-41B2-BD64-5E6D90C14608%7d&siteid=mktw&dist=nbk&symb=>>

GE Ecomagination: <[http://ge.ecomagination.com/@v=06292005\\_0330@/index.html](http://ge.ecomagination.com/@v=06292005_0330@/index.html)>

**Washington State Solar 6-28-05**

For the article in the NW Current on "Washington: The New Sunshine State?", see:

<<http://www.nwcurrent.com/renewable/1610177.html>>

**Green Building Design 6-27-05**

For RenewableEnergyStocks.com reporting on the rise of green building and the increased adoption, implementation and growing popularity of environmentally conscious construction utilizing renewable energy technologies such as BIPV, see the story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b4A4FF1F2-99A1-4496-A6AD-805366A0EB3D%7d&siteid=mktw&dist=nbk&symb=>>

RenewableEnergyStocks:

<<http://www.renewableenergystocks.com/Companies/RenewableEnergy/ECONRenewableEnergy.asp>>

Renewable/Alternative Energy Stocks Directory:

<<http://www.renewableenergystocks.com/Companies/RenewableEnergy/Stock%5fList.asp>>

#### **Secretary Bodman's Remarks 6-24-05**

For a copy of Secretary of Energy Samuel Bodman's remarks at the 8<sup>th</sup> Annual Congressional Renewable Energy and Energy Efficiency Expo, Forum, and Ice Cream Social, see:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18120&BT\\_CODE=PR\\_SPEECHES&TT\\_CODE=PRESSPEECH](http://www.energy.gov/engine/content.do?PUBLIC_ID=18120&BT_CODE=PR_SPEECHES&TT_CODE=PRESSPEECH)>

#### **Job Creation from Senate Energy Bill 6-23-05**

Said Bruce Josten, spokesperson for the Alliance for Energy and Economic Growth and executive vice president for government affairs at the U.S. Chamber of Commerce, in calling for a comprehensive energy plan, the Senate's energy bill will create jobs in all sectors of the economy: For example, 40,000 new jobs in every state over the next 10 years in the solar energy industry - every megawatt of solar energy supports approximately 33 jobs - 24 in high-tech manufacturing and 9 in local design, installation and service. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7c8ef96a-f560-4047-94cb-e2aee6a72564%7d&siteid=mktw&dist=nbk&symb=>>>

Alliance for Energy & Economic Growth: <<http://www.yourenergyfuture.org/>>

#### **UPS and Sustainability 6-23-05**

UPS' Corporate Sustainability Report includes economic, social and environmental data. Under Environmental Stewardship is the following: "Renewable solar energy provides 70 percent of the power source for the UPS Palm Springs, Calif. Facility. The 100-kilowatt solar panel array exceeded expectations in 2004 by producing 4.9 percent more power than anticipated." Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b678fa21f-85dd-4220-996e-fc43ff3cb67d%7d&siteid=mktw&dist=nbk&symb=>>>

UPS Sustainability: <<http://www.sustainability.ups.com/>>

#### **Research and Markets Solar PV Report 6-21-05**

Research and Markets has announced the addition of Solar Photovoltaic (SPV) Report 2005 Edition 2 to their offering. Press at:

<<http://biz.yahoo.com/bw/050621/215649.html?v=1>>

Research and Markets: <<http://www.researchandmarkets.com/reports/c19584/>>

#### **Renewable Energy 2005 Review 6-21-05**

For the article "Renewable Energy 2005: A Mid-Year Review" by Michael T. Eckhart, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=33570>>

#### **Thin Film Audience [Cheryl Kennedy] 6-21-05**

For the article "Thin-Film PVs Look to Capture a Greater Audience" on R&D Magazine's web site, see:

<[http://www.rdmag.com/ShowPR.aspx?PUBCODE=014&ACCT=140000100&ISSUE=0506&RELTYPE=FE&PR\\_OPCODE=00000000&PRODLTT=AF](http://www.rdmag.com/ShowPR.aspx?PUBCODE=014&ACCT=140000100&ISSUE=0506&RELTYPE=FE&PR_OPCODE=00000000&PRODLTT=AF)>

#### **World Water & Power Update 6-20-05**

The CEO of WorldWater & Power Corporation will issue an update of the Company's progress at its Annual Shareholder Meeting 22 June. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b14ca2f1d-ec2e-4751-9bfe-b49225192dd0%7d&siteid=mktw&dist=nbk&symb=>>>

WorldWater & Power Corporation will be an exhibitor at the 8<sup>th</sup> Annual Congressional Renewable Energy and Energy Efficiency EXPO and Forum in Washington, DC on 21 June.

WorldWater & Power: <<http://www.worldwater.com/>>

EXPO: <<http://www.renewableenergyaccess.com/rea/events/view?id=33372>>

**GVEP Business Plan [GVEP e-newsletter] 6-20-05**

The GVEP Partnership Board has approved the Technical Secretariat Business Plan for 2005-2006. For more information see: <<http://gvep.org/content/general/detail/10129>>

**Sunbeam Newsletter 6-20-05**

For the latest copy of the e-Newsletter of the American Solar Energy Society, see: <[http://www.ases.org/chapter\\_newsletter/2005/MJ05/MJ05.html](http://www.ases.org/chapter_newsletter/2005/MJ05/MJ05.html)>

**Silicon Shortage 6-17-05**

According to press from SolarPlaza, the shortage of solar-grade silicon was tangible at the Barcelona Conference and Exhibition. SolarPlaza is offering an international directory of all major solar-grade silicon (20 companies), solar wafer (28), and solar cell manufacturers (58) that are active on a global scale. See SolarPlaza at: <<http://www.solarplaza.com/>>

**IREC Newsletter [Jane Pulaski] 6-17-05**

For the latest issue of the Interstate Renewable Energy Council's Going Solar and the Department of Energy's Million Solar Roofs E-Newsletter, see: <<http://www.irecusa.org/commout/enewsletter.html>>. The newsletter covers schools going solar, interconnection/net metering, incentives/rebates headlines, community outreach, training/certification, and other information.

**California RPS Report 6-17-05**

A consultant report, "Preliminary Stakeholder Evaluation of the California Renewables Portfolio Standard", which provides a preliminary stakeholder assessment of early experience with California's RPS is available at: <[http://www.energy.ca.gov/portfolio/notices/2005-06-17\\_notice\\_availability.html](http://www.energy.ca.gov/portfolio/notices/2005-06-17_notice_availability.html)>

**United Nations World Environment Day Pledge 6-16-05**

Per this article, politicians from 50 of the largest cities in the world signed a treaty to source 10% of their city's peak electric load from renewable energies. Coverage at ReFocus: <[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=41405886&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=41405886&accnum=1&topics=>) Green Cities Declaration: <[http://www.wed2005.org/pdfs/Accords\\_v5.25.pdf?PHPSESSID=d3f44c0bb102b22541fbf9f35b268650](http://www.wed2005.org/pdfs/Accords_v5.25.pdf?PHPSESSID=d3f44c0bb102b22541fbf9f35b268650)>

**Solar Power Investments 6-16-05**

For press on solar power investment, see the article at: <<http://www.thedeal.com/NASApp/cs/ContentServer?pagename=TheDeal/StArticle&c=TDDArticle&cid=1118184109393>>

**Renewable Energy Certificate Market 6-16-05**

Research and Markets announced the addition of "The Market for Renewable Energy Certificates 4<sup>th</sup> Edition" to their offering. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={F1B4FB29-EF33-4DFC-8DD9-D775C783B35C}&siteid=mktw&dist=nbk&symb=>> Research and Markets: <<http://www.researchandmarkets.com/reports/c19258/>>

**Renewable Energy Opportunities 6-15-05**

Per this article, "Alternative Energy: Time to Invest?", Renewable energy is becoming increasingly important, and investors have begun to take note of the opportunity. Story at: <[http://biz.yahoo.com/ifunds/050615/20050614\\_energy\\_com\\_etf\\_jb.html?.v=1](http://biz.yahoo.com/ifunds/050615/20050614_energy_com_etf_jb.html?.v=1)>

**Recent Journal Articles on PV 6-15-05**

For the latest issue of the "Photovoltaics Literature Survey" in Progress in Photovoltaics, see the website at: <<http://www3.interscience.wiley.com/cgi-bin/fulltext/110500731/PDFSTART>> Per the article, in order to help keep readers up-to-date in the field, each issue of Progress in Photovoltaics will contain a list of recently published journal articles most relevant to its aims and scope.

**IEA PV Publications [Christy Herig] 6-15-05**

For recent publications from the IEA Photovoltaic Power Systems Programme, see the website at: <<http://www.oja-services.nl/iea-pvps/products/index.htm>>  
IEA PV PSP: <<http://www.iea-pvps.org/>>  
Open Bulletin: <<http://spider.iea.org/impagr/cip/index.htm>>

**New State Portal for Efficiency & Renewable Energy [Kevin Eber] 6-15-05**

DOE's Office of Energy Efficiency and Renewable Energy has opened a new portal to Web-based state information called "EERE State Activities & Partnerships". See: <<http://www.eere.energy.gov/states/>>  
EERE Network News, Kevin Eber: <<http://www.eere.energy.gov/news/>>

**Renewable Energy Certificates Report 6-13-05**

Research Reports International announced the availability of the 4<sup>th</sup> edition of "The Market For Renewable Energy Certificates", a study of the REC market. Information at: <[http://www.researchreportsintl.com/products/product.cfm?report\\_ID=58](http://www.researchreportsintl.com/products/product.cfm?report_ID=58)>

**Renewables Guidebook 6-13-05**

The final draft version of the California Energy Commission's Fifth Edition of the Emerging Renewables Program Guidebook is available at: <[http://www.energy.ca.gov/renewables/emerging\\_renewables.html](http://www.energy.ca.gov/renewables/emerging_renewables.html)>

**US. PV Grid Connect Market 6-13-05**

According to a new report released by Solarbuzz Inc., 51 Megawatts of grid-connected PV were installed in the U.S. during 2004, up from 37 Megawatts the previous year. Press at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO330.htm>>  
US Grid Connect 2005 PV Market Report: <<http://www.solarbuzz.com/USGridConnect2005.htm>>

**Energy Secretary's Tour 6-10-05**

Secretary of Energy Samuel W. Bodman will kick off the "Energizing America for Energy Security" tour on 13 June during a visit to Habitat for Humanity's net zero energy home. Secretary Bodman will also tour NREL and offer keynote remarks to the June meeting of the Western Governor's Association. The tour is an effort to speak directly to the American people about the need for Congress to pass comprehensive energy legislation. DOE Press at: <[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18038&BT\\_CODE=PR\\_MEDIAADVISORIES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18038&BT_CODE=PR_MEDIAADVISORIES&TT_CODE=PRESSRELEASE)>

**IREC Newsletter [Jane Pulaski] 6-10-05**

The latest issue of the Interstate Renewable Energy Council and the Department of Energy's Million Solar Roofs Newsletter covering schools going solar, interconnection/net metering, community outreach, training/certification, and other topics can be accessed at: <<http://www.irecusa.org/commout/enewsletter.html>>. Included is the IREC Interconnection Newsletter <<http://www.irecusa.org/connect/enewsletter.html>> that covers state, national and international development in interconnection standards and distributed generation, as well as related industry news, publications, people and events. [Rusty Haynes]

**PV Power Plant Experience at APS [Carl Osterwald] 6-10-05**

Arizona Public Service currently has over 4.9 MW<sub>dc</sub> of grid-connected PV systems that have been installed in its service territory over the past 5 years. Most of this capacity is in support of the Arizona Corporation Commission Environmental Portfolio Standard goals. During this time, much has been learned regarding performance, cost, maintenance, installation and design; this paper presents an assessment of these topics and a perspective associated with this PV experience. View the paper at Wiley InterScience at: <<http://www3.interscience.wiley.com/cgi-bin/fulltext/110438552/PDFSTART>>  
<<http://www3.interscience.wiley.com/cgi-bin/jhome/5860>>



**"Photovoltaics: Lighting the Way to a Brighter Future" 6-9-05**

For on-line access to the article "Photovoltaics: Lighting the Way to a Brighter Future" in Optics & Photonics News, see the website at: <<http://www.osa-opn.org/abstract.cfm?URI=OPN-16-6-30>>

**RWE Schott Solar for Schools, Bridgeton, New Jersey 6-8-05**

Per this article, Thomas Hunton, national accounts sales manager for RWE Schott Solar Inc., spoke to board of education members about savings the district could realize by moving to solar electricity as compared to exclusive use of traditional electricity over the next 25 years. Story at:

<<http://www.nj.com/news/bridgeton/index.ssf?/base/news-0/1118222447105180.xml&coll=10&thispage=1>>

RWE Schott Solar: <[http://www.rweschottsolar.com/us/website\\_wnav.aspx?navid=1](http://www.rweschottsolar.com/us/website_wnav.aspx?navid=1)>

**Shell Scenarios 6-8-05**

Per this article, Shell's global scenarios report suggests that Shell, in common with other oil majors, will place more emphasis on developing renewable energy sources such as wind and solar than extracting more hydrocarbons through unconventional means.

Story at: <<http://news.independent.co.uk/business/news/story.jsp?story=644809>>

Shell "Visions of the Future": <[http://www.shell.com/home/Framework?siteId=media-en&FC3=/media-en/html/iwgen/news\\_and\\_library/press\\_releases/2005/global\\_scenarios\\_launch\\_06062005.html&FC2=/media-en/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html](http://www.shell.com/home/Framework?siteId=media-en&FC3=/media-en/html/iwgen/news_and_library/press_releases/2005/global_scenarios_launch_06062005.html&FC2=/media-en/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html)>

**Concentrating Solar Power for the Mediterranean Region 6-7-05**

Renewable energies could almost entirely replace fossil fuels in the southern Mediterranean countries by the mid-21<sup>st</sup> century according to a study by the German Aerospace Centre. Solar thermal power stations play a key role in this development.

Press at: <[http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell\\_id=92&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e](http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell_id=92&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e)>

Links to report: <<http://www.dlr.de/tt/MED-CSP>>

**California Emissions Reduction 6-7-05**

Governor Schwarzenegger signed an executive order establishing GHG targets, giving the California Environmental Protection Agency secretary the role of coordination and oversight for achieving them. Said Schwarzenegger, "By working together we can meet the needs of both our economy and environment. Together we can continue California's environmental heritage and legacy of leadership in innovation in cutting-edge technology." Engaged in cutting-edge technology is a wide array of renewable energy companies that do business in the state, with solar energy being particularly prominent. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=32854>>

**Solar Tax Policy in Canada 6-6-05**

A new report from Canada's trade association, CanSIA, calls for changes in the tax code that could have widespread and immediate positive impacts for more solar development. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=32734>>

Natural Resources Canada, Tax Incentives:

<<http://www2.nrcan.gc.ca/es/erb/erb/english/View.asp?x=469&oid=111>>

**Interstate Renewable Energy Council Newsletter 6-3-05**

For the latest issue of IREC's newsletter covering schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification, and DOE's Million Solar Roofs activities, see the website at:

<<http://www.irecusa.org/index.html?PHPSESSID=d0153c60f755eb4ce8b0e4c032b6eele>>

<<http://www.irecusa.org/commout/enewsletter.html>>

**"Solar Power Heats Up" 6-3-05**

The Wall Street Journal carried an article June 2 titled "Solar Power Heats Up", with the tag line "Sales of Panels Rise Sharply As States Expand Tax Breaks And Installation Costs Drop". The article speaks to rebates and incentives, referencing

the state incentives database DSIRE, as well as to net metering and the improving cost-benefit ratio. See the article at:

<[http://www.seia.org/news/external/WSJJune2\\_2005.asp](http://www.seia.org/news/external/WSJJune2_2005.asp)>

The Wall Street Journal Online: <<http://online.wsj.com/public/us>>

Database of State Incentives for Renewable Energy: <<http://www.dsireusa.org/>>

Solar Energy Industries Association: <<http://www.seia.org/>>

#### **Research & Markets Renewables Bulletin 6-1-05**

Research and Markets has announced the addition of Renewable Energy Bulletin to their offering. The bulletin presents reports of work in progress on all the renewables - including solar. Information at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b42B7E7D3-E9DC-40B0-AD2A-36DB58C87374%7d&siteid=mktw&dist=nbk&sybm=>>

Research and Markets: <<http://www.researchandmarkets.com/reports/c18464/>>

#### **Cypress Speaker 6-1-05**

Cypress Semiconductor announced that its president and CEO, T.J. Rodgers, will deliver the keynote address at Santa Clara University's Engineering Achievement Awards 2005 Ceremony, with his presentation entitled "Silicon Valley Attacking New Problems: Renewable Energy". Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bDACDF55F-E45A-452E-A04B-5A9BE36719F8%7d&siteid=mktw&dist=nbk&sybm=>>

### **Solicitations, RFPs, LOIs, etc. & Awards**

#### **Pennsylvania Loans and Grants 6-16-05**

Pennsylvania's Governor announced that the Commonwealth Financing Authority has approved 30 projects through the First Industries Fund aimed at strengthening the state's agriculture and tourism industries. French Creek Ridge Vineyards received a \$175,000 planning grant for a feasibility study and business model evaluation of installing alternative energy on farms to produce electricity for consumption and distribution, and to evaluate use of solar and wind powered technologies to meet off-grid needs for farmers and become a model for other farms and vineyards. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={29F69B99-F3F8-41E4-BCE9-0D050C10121E}&siteid=mktw&dist=nbk&sybm=>>

First Industries Fund: <<http://www.newpa.com/>>

#### **Renewable Energy for Native American Tribes 6-15-05**

The U.S. Department of Energy announced that it is making nearly \$2.5 million available to 18 Native American tribes to advance the use of renewable energy and energy efficient technologies on tribal lands. DOE Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18063&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18063&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

List of projects, including wind, solar, biomass feasibility studies:

<[http://www.energy.gov/engine/doe/files/dynamic/145200517024\\_CompleteProjectList.pdf](http://www.energy.gov/engine/doe/files/dynamic/145200517024_CompleteProjectList.pdf)>

#### **Department of Homeland Security REC Solicitation 6-6-05**

The Department of Homeland Security has issued a solicitation for 20,000,000 kWh of RECs. For information, see: <<http://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=891>>

#### **Aerojet NASA Contract 6-3-05**

Aerojet has received a 2-phase contract from NASA's Exploration Systems Mission Directorate to design, build, test and deliver a sub-scale electric propulsion direct drive system. The system will deliver high-voltage power directly from space vehicle solar panels, to electric propulsion Hall thrusters, which will eliminate costly and heavy primary power converters and reduce solar panel size. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b245E4B93-012D-431D-B555-6AD97E4F1D30%7d&siteid=mktw&dist=nbk&sybm=>>

Aerojet: <<http://www.aerojet.com/default.cfm>>

#### **Solicitations [Green Power Network] 6-3-05**

For a General Services Administration Renewable Energy RFP for Electric Power Supply to Texas Facilities, see the notice at:

<<http://www1.eps.gov/spg/GSA/PBS/7PMA/GS%2D07P%2D05%2DHHC%2D0020/SynopsisP.html>>.  
This and other financial opportunity listings can be found at the Green Power Network:  
<<http://www.eere.energy.gov/greenpower/financial/>>

#### **Connecticut PV RFQ 6-3-05**

The Connecticut Clean Energy Fund issued a request for qualifications for firms to install PV systems in Connecticut cities and towns. Information at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=32614>>  
Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

#### **DOE Hydrogen R&D Projects 6-1-05**

Secretary of Energy Samuel Bodman announced the selection of over \$64 million in R&D projects aimed at making hydrogen fuel cell vehicles and refueling stations available, practical and affordable by 2020. A total of 70 projects were selected, including those listed under Category D: Solar Hydrogen Production.

Press release:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=17971&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=17971&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

Projects:

<[http://www.energy.gov/engine/doe/files/dynamic/25420051498\\_Hydrogen64MillionAttachments.pdf](http://www.energy.gov/engine/doe/files/dynamic/25420051498_Hydrogen64MillionAttachments.pdf)>

### **Competitions**

#### **Solar Cars 6-30-05**

Western Michigan University's Sunseeker was unveiled during a campus ceremony. The 10-member team of students, faculty and staff from WMU's College of Engineering and Applied Sciences will leave July 7 for the North American Solar Challenge that starts in Austin, Texas July 17. Story at:

<<http://www.wmich.edu/wmu/news/2005/06/038.html>>

Western Michigan University Sunseeker: <<http://sunseeker.cs.wmich.edu/>>

For press coverage of the University of Arizona's car, called Drifter, and the solar car team see:

<[http://news.yahoo.com/news?tmpl=story&u=/azstar/20050630/lo\\_azstar/solarflairuateampu\\_tsfinaltouchesonsunpoweredcar](http://news.yahoo.com/news?tmpl=story&u=/azstar/20050630/lo_azstar/solarflairuateampu_tsfinaltouchesonsunpoweredcar)>

Arizona Solar Racing Team: <<http://www.solarcar.arizona.edu/>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/event/asc2005/>>

#### **University of Missouri-Rolla Solar Car 6-29-05**

UMR's vehicle "Solar Miner V" will be racing in the North American Solar Challenge. For more on the car, team, and race, see the press at:

<[http://www.waynesvilledailyguide.com/articles/2005/06/28/news/local\\_news/news06.txt](http://www.waynesvilledailyguide.com/articles/2005/06/28/news/local_news/news06.txt)>

UMR: <http://solar42.umar.edu/>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Solar Car Race 6-28-05**

The University of Calgary has unveiled its entry, the Soleon, in the North American Solar Challenge. Story at:

<[http://www.cfcn.ca/servlet/RTGAMArticleHTMLTemplate/B/20050627/solarracer?brand=generic&hub=&tf=CFCNPlus/generic/hubs/frontpage.html&cf=CFCNPlus/generic/hubs/frontpage.cfg&slug=solarracer&date=20050627&archive=CFCNPlus&ad\\_page\\_name=&nav=home&subnav=fullstory](http://www.cfcn.ca/servlet/RTGAMArticleHTMLTemplate/B/20050627/solarracer?brand=generic&hub=&tf=CFCNPlus/generic/hubs/frontpage.html&cf=CFCNPlus/generic/hubs/frontpage.cfg&slug=solarracer&date=20050627&archive=CFCNPlus&ad_page_name=&nav=home&subnav=fullstory)>

University of Calgary: <<http://www.calgarysolarteam.ca/>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Solar Hybrid Vehicle 6-27-05**

Hybrid Technologies, Inc. and its subsidiary companies - R-Electric Car Co., Global Hybrid Corp., Solium Power Corp., and WhistlerTel - announced that the Hybrid Technologies-UC Berkeley joint venture solar energy vehicle, the Beam Machine, is ready to embark on the North American Solar Challenge. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b9673577E-6B04-46E7-ACC0-312765351806%7d&siteid=mktw&dist=nbk&sybm=>

CALSOL: <<http://www.me.berkeley.edu/calsol/>>

Information and photo from Hybrid Technologies:

<<http://www.hybridtechnologies.com./media.php?mediaID=050627>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/index.html>>

Hybrid Technologies: <<http://www.hybridtechnologies.com/>>

#### **Solar Car Race 6-23-05**

For a story on Northwestern University's solar car, which will race in the North American Solar Challenge, see: <<http://www.suntimes.com/output/news/cst-nws-solarcar23.html>>

Per the article, more than 3 times as many students, all in engineering, are on the team now than were two years ago. "The more people, the more ideas", said team member Piotr Lizak.

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Solar Decathlon 6-15-05**

DOE announced that 18 teams from colleges and universities in the U.S., Canada, and Spain will participate in the second Solar Decathlon competition in Washington, D.C. October 7<sup>th</sup> through 16<sup>th</sup>. Coverage at EERE Network News, Kevin Eber at:

<<http://www.eere.energy.gov/news/#9108>>

#### **Solar Decathlon 6-14-05**

A group of architecture and engineering students at the University of Texas is building a house that runs completely on solar energy, to compete in the Department of Energy's 2005 Solar Decathlon. Story at:

<[http://www.news8austin.com/content/top\\_stories/default.asp?ArID=139272](http://www.news8austin.com/content/top_stories/default.asp?ArID=139272)>

SolarD Team: <<http://www.ar.utexas.edu/utsolard/>>

For more on Cornell University's solar house scheduled for completion by the end of June, see the article at:

<<http://www.news.cornell.edu/stories/June05/solar.house.ssl.html>>

Cornell University Solar Decathlon Team: <<http://cusd.cornell.edu/>>

2005 Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **Florida International University in Solar Decathlon 6-13-05**

A team of Florida International University student engineers and architects will be one of 18 collegiate teams traveling to Washington, DC to participate in the second Solar Decathlon. Nathaniel Belcher, associate professor of architecture and among the faculty advisors, said the home aims to capture the lifestyle of South Florida. Story at: <<http://southflorida.bizjournals.com/southflorida/stories/2005/06/06/daily41.html>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **Colorado Solar Decathlon Team 6-13-05**

Today at an event at Home Depot, the University's Solar Decathlon team will reveal plans for their solar home, with the event providing information on solar housing, using renewable energy, and natural building products. Delivering the keynote speech at this year's house-raising is Cecile Warner from NREL. On June 9, the U.S. DOE announced that 18 teams from the U.S., Canada, and Spain will participate in the second Solar Decathlon competition in Washington, D.C., which runs 7-16 October 2005. Story at: <<http://www.coloradodaily.com/articles/2005/06/12/news/news05.txt>>

U.S. DOE Announcement: <[http://www.eere.energy.gov/news/news\\_detail.cfm/news\\_id=9108](http://www.eere.energy.gov/news/news_detail.cfm/news_id=9108)>

2005 Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/about.html](http://www.eere.energy.gov/solar_decathlon/about.html)>

#### **Cornell's Solar Decathlon Home 6-10-05**

This year a Cornell group is proud to be a contender in the 2<sup>nd</sup> Solar Decathlon. Says Tim Fu, a driving force behind Cornell's involvement, "We are on a quest for victory. As soon as I heard about it, I said, let's put in a proposal." The team consists of more than 70 graduate and undergraduate decathletes from various academic backgrounds, primarily architecture, engineering, and business. See the story at:

<<http://www.engineering.cornell.edu/news/engineering-magazine/archives/cem-spring-2005/A-House-Undivided.cfm>>

2005 Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

DOE Decathlon Press:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18032&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18032&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

### **Solar Decathlon 6-9-05**

The U.S. Department of Energy announced that 18 teams from the U.S., Canada and Spain will travel to Washington, DC on 7-16 October 2005 to participate in the second solar decathlon competition to be held on the National Mall. Press release at:  
<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18032&BT\\_CODE=PR\\_PRESSERELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18032&BT_CODE=PR_PRESSERELEASES&TT_CODE=PRESSRELEASE)>

2005 Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Solar Car Race 6-8-05**

Fourteen University of Missouri-Columbia engineering students are about a month away from seeing the fruits of two years of labor as they ready their SunTiger VI student designed and built solar vehicle for the North American Solar Challenge. Story at:  
<<http://www.showmenews.com/2005/Jun/20050607News012.asp>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

### **McMaster's Solar Car 6-6-05**

Team members of the McMaster Solar Car Project unveiled their entry to the North American Solar Challenge. The car, named "Phoenix, features a redesigned aerodynamic shell, a 3-wheel chassis system, a more efficient solar array with 479 solar cells, new suspension, and other features. Story at:

<[http://www.prdirect.ca/en/view\\_release.aspx?TrafficID=2931](http://www.prdirect.ca/en/view_release.aspx?TrafficID=2931)>

McMaster Solar Car Project: <<http://www.solarcar.mcmaster.ca/>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

### **CSI Wireless for Solar Car Race 6-6-05**

CSI Wireless Inc. announced it has become a major sponsor of the world's longest car race by supplying asset-tracking products so organizers and fans can closely track the solar-powered cars' progress throughout the 2,500-mile race. CSI Wireless will equip each of as many as 30 university teams and their cars in the North American Solar Challenge. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b044D9015-8D87-429B-A3DC-58307430183F%7d&siteid=mktw&dist=nbk&symb=>>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

### **North American Solar Challenge [Kevin Eber, EERE Network News] 6-1-05**

In May, university teams and their solar-powered cars had their first chance to qualify for the 2005 North American Solar Challenge which starts July 17<sup>th</sup> in Austin, Texas and ends in Calgary, Alberta on July 27<sup>th</sup>. Story at EERE Network News:

<<http://www.eere.energy.gov/news/#9081>>

2005 North American Solar Challenge:

<<http://www.americansolarchallenge.org/event/asc2005/>>

### **Michigan Solar House 6-1-05**

Students at the University of Michigan are building a house for the Solar Decathlon. The project is dubbed MiSo\*, short for the Michigan Solar House Project. Press at:

<[http://www.freep.com/news/statewire/sw116519\\_20050531.htm](http://www.freep.com/news/statewire/sw116519_20050531.htm)>

MiSo\*: <<http://www.umich.edu/~miso/>>

2005 Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

## **Additional**

### **Sunshine Mapping from Space 6-30-05**

Today, continent-wide scale measurements of ground radiances are provided every 15 minutes by ESA's Meteosat Second Generation satellite. Integrating this information with the business practices of solar energy managers is the objective of the ENVISOLAR project funded by ESA within the framework of the Earth Observation Market Development Programme. Information at: <[http://www.esa.int/esaCP/SEM4Q82DU8E\\_Protecting\\_0.html](http://www.esa.int/esaCP/SEM4Q82DU8E_Protecting_0.html)>

ENVISOLAR: <<http://www.envisolar.com/>>

Press: <[http://dbs.cordis.lu/cgi-](http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP_EN_NEWS&ACTION=D&SESSION=&RCN=EN_RCN_ID:24071)

[bin/srchidadb?CALLER=NHP\\_EN\\_NEWS&ACTION=D&SESSION=&RCN=EN\\_RCN\\_ID:24071](http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP_EN_NEWS&ACTION=D&SESSION=&RCN=EN_RCN_ID:24071)>

**Acting Assistant Secretary for Energy Efficiency and Renewable Energy 6-27-05**

Douglas Faulkner has been named Acting Assistant Secretary for Energy Efficiency and Renewable Energy at the U.S. Department of Energy. Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18220&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18220&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

**David Garman Sworn In 6-24-05**

David Garman was sworn in as Under Secretary of Energy for Energy, Science and Environment. DOE Press at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=18200&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=18200&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

**CEC Executive Director 6-24-05**

The California Energy Commission selected B.B. Blevins as its Executive Director.

Press at: <[http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind\\_focus.story&STORY=/www/story/06-23-2005/0003934525&EDATE=THU+Jun+23+2005,+11:24+AM](http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=ind_focus.story&STORY=/www/story/06-23-2005/0003934525&EDATE=THU+Jun+23+2005,+11:24+AM)>

CEC: <<http://www.energy.ca.gov/>>

**Cosmos 1 6-22-05**

A hunt was taking place yesterday for the privately funded experimental spacecraft that appeared to have gone off course shortly after it was launched from a Russian submarine in the Barents Sea. Story at:

<[http://www.cnn.com/2005/TECH/space/06/22/russia.cosmos.reut/index.html?section=cnn\\_late](http://www.cnn.com/2005/TECH/space/06/22/russia.cosmos.reut/index.html?section=cnn_late)>

<[http://news.yahoo.com/news?tmpl=story&u=/nm/20050622/sc\\_nm/space\\_cosmos\\_dc\\_9](http://news.yahoo.com/news?tmpl=story&u=/nm/20050622/sc_nm/space_cosmos_dc_9)>

**Cosmos 1 6-21-05**

For stories on the launch of Cosmos 1, setting sail on solar winds, see:

<<http://msnbc.msn.com/id/8291710/>>

<[http://news.yahoo.com/news?tmpl=story&u=/nm/20050620/sc\\_nm/space\\_cosmos\\_dc\\_3](http://news.yahoo.com/news?tmpl=story&u=/nm/20050620/sc_nm/space_cosmos_dc_3)>

<[http://www.usatoday.com/news/nation/2005-06-20-solar-sail\\_x.htm?csp=34](http://www.usatoday.com/news/nation/2005-06-20-solar-sail_x.htm?csp=34)>

**Remembering Mark Fitzgerald 6-21-05**

Thank you to Jane Weissman for her tribute to Mark:

<[http://www.irecusa.org/articles/static/1/1118980913\\_987094287.html](http://www.irecusa.org/articles/static/1/1118980913_987094287.html)>

**Mark Fitzgerald, In Memory 6-20-05**

Our community has lost a dear friend and colleague. Mark Fitzgerald passed away last week. We will very much miss his smile, enthusiasm, and courage.

Mark Fitzgerald <[http://cres-energy.org/newhtml/larsen\\_notari.html#Mark\\_Fitzgerald](http://cres-energy.org/newhtml/larsen_notari.html#Mark_Fitzgerald)>

**EPIA President and Chairman [EPIA Press] 6-15-05**

Dr. Murray Cameron has been appointed President and Chairman of the Board of the European Photovoltaic Industry Association. The Chief Operating Officer at Phonix SonnenStrom AG succeeded Dr. Winfried Hoffmann, Chairman of the Management Board of RWE Schott Solar. EPIA e-mail press.

EPIA: <<http://www.epia.org/>>

**Date Set for Solar Sail Spacecraft Launch 6-7-05**

Cosmos 1 is scheduled to launch aboard a Russian rocket from a submarine in the Barents Sea on 21 June. When the spacecraft reaches a particular orbiting altitude, eight triangular sails will be deployed allowing the craft to be slowly propelled by the pressure of sunlight particles bouncing off the sails. Press at:

<[http://www.cnn.com/2005/TECH/space/06/07/solarsail.vision/index.html?section=cnn\\_late](http://www.cnn.com/2005/TECH/space/06/07/solarsail.vision/index.html?section=cnn_late)>

**Inverter Status Monitoring 6-10-05**

Sunny Beam communicates via radio transmission with up to 4 Sunny Boy inverters, allowing users to check status and yield of inverters from within home or office.

Press at: <<http://news.thomasnet.com/fullstory/464291/rss>>



## May

### Solar Installations, Projects

#### **Coney Island, NY, BIPV 5-31-05**

Coney Island, New York City, has a new European-style train terminal that features a prominent Building Integrated Photovoltaic solar energy system. Story at: <http://www.renewableenergyaccess.com/rea/news/story?id=31421>

#### **Capitol Lighting Solar 5-27-05**

For coverage of a new 708-panel solar energy system at Capital Lighting, see the story at: <http://www.dailyrecord.com/business/business1-capitol.htm>. Capital covered the cost of the \$900,000 system with a \$490,000 grant under the New Jersey Clean Energy Program plus various other credits and accelerated depreciation. New Jersey Clean Energy Program: [http://www.njsmartstartbuildings.com/main/fata/find\\_energy.html](http://www.njsmartstartbuildings.com/main/fata/find_energy.html)

#### **Spire PV System for School [Sheryl Einarson] 5-27-05**

Spire Corporation announced completion of a 51.2 kW PV installation at the Ronald Reagan Middle School in Dixon, Illinois. Said Steve Hogan, Executive Vice President and General Manager, Spire Solar, "The system demonstrates Spire's diverse design capabilities ... It increases the portfolio of Spire Solar Chicago photovoltaic deliveries and production to 1,200 kilowatts of capacity, which is the majority of photovoltaic systems in ComEd's service territory and the state at large". Press at Spire Solar: <http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-newsreleases>

#### **Tata BP Solar in India 5-26-05**

Tata BP Solar won a contract to build a 30 kWp building integrated PV system at the Samudra Institute of Maritime Studies at Lonavala. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsASPR129.htm>  
Tata BP Solar: <http://www.tatabpsolar.com/>

#### **EECH PV System 5-25-05**

European Energy Consult Holding AG (EECH) is close to realizing a 5-MW PV project in the German state of Saxony. Story at Photon International: <http://www.photon-magazine.com/news/news 2005-05 eu sn EECH.htm>  
EECH: <http://www.windmesse.de/eech/welcome.html>

#### **Sun Power & Geothermal Energy PV System Inauguration 5-19-05**

A newly completed 100-kW solar electric system for a landmark building on the shores of Lake Merritt in California will be inaugurated on 23 May. The solar panels carry a 25-year manufacturer's warranty, and Sun Power & Geothermal Energy Co., Inc. will be servicing and monitoring the solar system remotely through its proprietary SunSpot® software and hardware system. Story and photos at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR506.htm>  
Sun Power & Geothermal Energy: <http://www.sunpowergeo.com/>  
SunSpot® Live Monitoring: [http://www.sunpowergeo.com/sun\\_live\\_monitoring.html](http://www.sunpowergeo.com/sun_live_monitoring.html)

#### **More on Genesis Worldwide Enterprises PV system 5-17-05**

Genesis Worldwide Enterprises is celebrating the completion of a new 84-kW PV system at its facility in Cottonwood, Arizona. The system was designed and installed by American Solar Electric. Story and photo at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aeQ3CF1foQt6?id=29825>

#### **CIS Tower Solar Panels, UK 5-16-05**

A multi-million pound contract to clad the CIS tower in solar panels has been awarded to ISG InteriorExterior. The scheme to redevelop the building is the largest vertical solar cladding project in Europe. The solar panels are manufactured by Sharp, and global consultancy group EC Harris has been appointed as project manager. Story at: [http://www.manchestersonline.co.uk/business/general/s/158/158798\\_cis\\_towers\\_warm\\_coat.html](http://www.manchestersonline.co.uk/business/general/s/158/158798_cis_towers_warm_coat.html)  
ISG InteriorExterior: <http://www.isgplc.com/interiorexterior/intExtWhat.asp>  
EC Harris: <http://www.echarris.com/>

**Brewing Company Going Solar, California 5-16-05**

Anderson Valley Brewing Company has begun one of the largest private PV solar systems north of the San Francisco Bay Area at their brewery in Boonville, California. The project will include 2 southwest facing arrays, and an auxiliary ground-based freestanding array. Advance Solar Hydro & Wind Power is doing the installation. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR503.htm>>  
Advance: Solar, Hydro, Wind Power Co.: <<http://www.advancepower.net/>>

**Genesis Worldwide Enterprises PV System 5-13-05**

Genesis Worldwide Enterprises will celebrate the installation of a new 84-kW PV system at its Cottonwood, Arizona facility on 16 May. The system, incorporating 448 Kyocera KC-187 PV modules, was designed and installed by American Solar Electric. As part of Arizona Public Service Company's EPS Credit Purchase Program, Genesis Worldwide will receive an incentive payment from the power company equal to 50% of the system's installed cost. Story at photos at: <<http://www.solarbuzz.com/News/NewsNAPR502.htm>>  
American Solar Electric: <<http://www.americansolar.com/>>  
Kyocera: <<http://www.kyocerasolar.com/>>

**Butte County, California, PV Project 5-11-05**

Butte County Supervisors reviewed bids for the second phase of a County PV project and will move forward with the project, contingent upon getting a rebate from Pacific Gas and Electric that would fund a major portion of the costs. Story through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>> at <<http://www.oroVILLEmr.com/Stories/0,1413,157%7E26686%7E2863388,00.html>>

**New Jersey Natural Gas Solar Demonstration 5-10-05**

New Jersey Natural Gas announced the completion of a solar energy demonstration project at Island Beach State Park. A grant from New Jersey's Clean Energy Program provided 70% of the cost of the PV system and its installation, and NJNG funded the balance. GeoGenix contributed engineering, labor costs and a data acquisition system that tracks electricity generation, with a display inside the bathhouse. Other labor costs to install the system were donated by Absolutely Energized, Bald Eagle Solar Technology, LBI Solar, and Sea Bright Solar. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b3AE4A588-6F46-4C01-AB7F-18C29C507133%7d&siteid=mktw&dist=nbk&syml=>>>

**Solar for Swiss Football 5-9-05**

Solar panels will be mounted on the football grounds at the new national stadium currently under construction in Bern, Switzerland. During the first phase of the project, about 8,000 square meters of panels will produce a maximum of 850 kW. The second stage will include another 4,000 square meters of panels, generating an additional 450 kW. Story at: <<http://www.iran-daily.com/1384/2269/html/energy.htm#60435>>

**City of San Carlos, California, PV System [Bill Jeppesen] 5-9-05**

The Director of Finance for the City of San Carlos opted to review a proposal to install an RWE SCHOTT Solar PV system on the city's corporation yard as an investment rather than as a purchase with a payback period. The City now has a 60-kW system, installed by EMCOR® Energy & Technologies that returns its cost plus interest in a little more than \$100,000 over the life of the installation beating out a comparable 25-year cash investment using a 4.5% rate of return. And the system has won an award from The Public Technology Institute. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR501.htm>>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.us/>>  
EMCOR: <<https://www.emcor.net/emcornet/home5.nsf/html/index-pub.html>>  
Public Technology Institute: <<http://www.pti.org/>>

**Solar Power Station in Portugal 5-6-05**

According to this story, a plan to build a solar power station, with a potential output of 116 MW, has been unveiled in Portugal. A consortium of mainly German companies plans to erect 116 "hexagonal clusters of solar panels", and a German

manufacturer of solar panels says it plans to build a factory at the site. Story at: <http://www.guardian.co.uk/renewable/Story/0,2763,1477722,00.html>

#### **Massachusetts PV System 5-5-05**

MassInnovation plans to construct the largest solar electric system ever installed in the State of Massachusetts - 147.3 kW - on their renovated mill complex in Fitchburg. MassInnovation is hiring in-state companies to do all of the work. RWE Schott Solar will manufacture the modules. Solectria is providing the inverters, and the PV system was designed by Solar Design Associates of Harvard. Story at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/story?id=28092>

RWE Schott Solar, Inc.:

<http://www.renewableenergyaccess.com/rea/market/business/view?cid=2126>

Solar Design Associates, Inc.:

<http://www.renewableenergyaccess.com/rea/market/business/view?cid=2076>

MassInnovation: <http://www.massinnovation.com/>

Solectria: <http://www.solectria.com/>

#### **California Leadership 5-4-05**

California is highlighted in EERE Network News with "California Continues to Lead the Way with Large Solar Projects". See EERE Network News at:

<http://www.eere.energy.gov/news/>

#### **Solar Homes in Roseville, California 5-4-05**

For information on the Premier Oaks subdivision in Roseville which uses solar roof tiles and solar water heating, see the press at:

<http://www.californiasolarcenter.org/solareclips/2005.05/20050502-4.html>. Said John Ralston, Premier's vice president of sales and marketing, "You can build a solar subdivision, and it will be a power plant, generating electricity. If you also build super energy-efficient homes, you're using a lot less electricity. So you're generating and saving electricity".

#### **Phonix SonnenStrom 5.3 MW PV System 5-4-05**

Phonix SonnenStrom AG has closed contracts with an investment fund of ALCAS GmbH for the construction of a solar park in Bavarian Mieggersbach with a peak power output of around 5.3 MW. Construction will occur in 2 phases. In phase one, Phonix Sonnenstrom will install 11,616 solar modules manufactured by Photowatt International S.A. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUPR211.htm>

Phonix Sonnenstrom: <http://www.sonnenstromag.de/index.php?entryid=93>

Photowatt International: <http://www.photowatt.com/>

#### **SPS Energy Solutions at UBC Campus, British Columbia 5-3-05**

SPS Energy Solutions announced that they have commissioned a 7-kW BIPV grid-tie system at the UBC campus. The custom solar array was integrated into the skylight of the building. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=27996>

SPS Energy Solutions: <http://spsenergy.com/>

#### **Shell Solar PV at Semitropic Water Storage District and Desert Water Agency - with associated photos [Tina Nickerson] 5-3-05**

Shell Solar and Semitropic Water Storage District announced the dedication of a 980-kW solar electric power system at the district's treatment and storage facility in Wasco, California. The system, designed and installed by Shell Solar, utilizes a unique patent-pending single-axis tracking system. For the story and corresponding photo, see Shell Solar's press at:

[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/semitropic2\\_2904.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=/shellsolar/html/iwgen/news_and_library/press_releases/2005/semitropic2_2904.html)

See also Shell Solar's PV system at the Desert Water Agency, with associated photo at:

[http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=/shellsolar/html/iwgen/news\\_and\\_library/press\\_releases/2005/desert\\_water\\_2604.html](http://www.shell.com/home/Framework?siteId=shellsolar&FC2=/shellsolar/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=/shellsolar/html/iwgen/news_and_library/press_releases/2005/desert_water_2604.html)

#### **Shell Solar PV at Semitropic Water Storage District and Desert Water Agency 5-2-05**

Shell Solar and the Semitropic Water Storage District announced the dedication of a 980-kW solar electric power system at the water district's treatment and storage facility in Wasco, California. Designed and installed by Shell Solar, the system utilizes a patent-pending single-axis tracking system. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BE54767CD%2DAAB6%2D4549%2DA6A1%2DE7CC662D1398%7D>>

For coverage of the newly installed 350-kW (DC) Shell Solar PV system at the Desert Water Agency of Palm Springs, California, including photo, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aSZreVJHNJTb?id=27951>>

Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

#### **PV System in Nara Prefecture, Japan 5-2-05**

A solar electric system comprising about 4,740 panels began operations at a filtration plant in Gose, Nara Prefecture, in Japan last week. Press at:

<<http://www.yomiuri.co.jp/newse/20050502wo32.htm>>

### **Technology Applications**

#### **Midwest Optoelectronics Hydrogen Generation 5-31-05**

Midwest Optoelectronics LLC announced its full-size Integrated Photovoltaic Electrolysis panel for generation of hydrogen from water using sunlight. Press release (pdf) at:

<<http://www.mwoe.com/PressRelease050523.pdf>>

Poster paper (pdf) at: <<http://www.mwoe.com/MWOE-IPE-Poster.pdf>>

Midwest Optoelectronics, LLC: <<http://www.mwoe.com/>>

#### **Solar Hydrogen Rail System 5-27-05**

American Computer Scientists Association announced it is assisting in performing a validation, demonstration study to the Interstate Traveler Project to build a high-speed hydrogen solar rail transportation system. The solar power collected along the proposed 54,000 miles of track would be converted to hydrogen for storage, and the craft would run on hydrogen. Story, followed by an editorial, at:

<[http://pesn.com/2005/05/27/9600102\\_HydroSol\\_Mag-Lev\\_Trailblazer/](http://pesn.com/2005/05/27/9600102_HydroSol_Mag-Lev_Trailblazer/)>

Press Release: <<http://www.prweb.com/releases/2005/5/prweb244462.htm>>

ACSA: <<http://www.acsa2000.net/hshrt/>>

Interstate Traveler Project: <<http://www.interstatetraveler.us/>>

#### **Solar-powered Water Circulators 5-17-05**

The SolarBee is a solar-powered water circulator from Pump Systems that aerates ponds by circulating the top 2 feet of water at a rate of up to 10,000 per minute. Press at:

<<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=109&STORY=/www/story/05-17-2005/0003633037&EDATE=>>>

SolarBee: <<http://www.solarbee.com/>>

#### **TNB Solar Hybrids, Malaysia 5-16-05**

Several countries facing problems with electricity supply to their remote areas are showing interest in power generation through the solar hybrid system developed by Tenaga Nasional Berhad. Inquires have come from Pakistan, Cambodia, Maldives, and Indonesia. Story through Solarbuzz at:

<[http://www.bernama.com/bernama/v3/news\\_lite.php?id=134601](http://www.bernama.com/bernama/v3/news_lite.php?id=134601)>

TNB: <<http://www.tnb.com.my/>>

#### **Solar Sail 5-6-05**

Alliant Techsystems and NASA have successfully tested the functional deployment and attitude control of an ultra-lightweight, high-performing solar sail propulsion system. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6145626&ResultCategoryType=2,7&NewsPageID=3>>

#### **Solar-powered Concept Car 5-6-05**

Students from the University of Queensland's Sustainable Energy Research Laboratory are building a working model of the "UltraCommuter" they want on the road within a

year. Two electric motors, powered by a lithium ion battery pack, can be recharged using the 2.5 square meters of transparent solar cells on the bonnet and back windscreen. Story at:

<[http://www.isa.org/Template.cfm?Section=Professionals and Practitioners&template=/ContentManagement/ContentDisplay.cfm&ContentID=43746](http://www.isa.org/Template.cfm?Section=Professionals_and_Practitioners&template=/ContentManagement/ContentDisplay.cfm&ContentID=43746)>

#### **Solar Messenger Bag 5-2-05**

Eclipse Solar Gear launched The Solar Flare Messenger Bag, featuring an integrated solar charging solution designed to accommodate the most common consumer electronics used today. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B0C659542%2D1EDA%2D4AC4%2DB28F%2D38759A7009E6%7D>>

Eclipse Solar Gear: <<http://www.eclipsesolargear.com/>>

#### **SoLong UAV 5-2-05**

AC Propulsion's SoLong UAV, with a 15.6 foot wingspan and weighing 25.3 pounds, flew for a little over 24 hours on battery and solar power alone. Story at:

<[http://www.avweb.com/newswire/11\\_18a/briefs/189677-1.html](http://www.avweb.com/newswire/11_18a/briefs/189677-1.html)>

AC Propulsion: <<http://www.acpropulsion.com/>>

### **Technology Developments**

#### **Quantum Dot Materials 5-24-05**

In a paper published in a May issue of the American Chemical Society's Nano Letters journal, an NREL team found that tiny nanocrystals, or quantum dots, produce as many as three electrons from one high energy photon of sunlight, demonstrating potential for PV cells that reduce wasteful heat and maximize the amount of the sun's energy converted to electricity. Press release:

<[http://www.nrel.gov/news/press/2005/1805\\_quantum\\_dot.html](http://www.nrel.gov/news/press/2005/1805_quantum_dot.html)>

NREL: <<http://www.nrel.gov/>>

#### **Solar Cells for Space 5-13-05**

Solar cells developed by a group of scientists, including some from Ohio State University, will be attached to the International Space Station as part of NASA's Materials International Space Station Experiment. The cells are being housed in the space shuttle Discovery, awaiting a late July launch. Steven Ringel, professor of electrical engineering, led the project at OSU, working with scientists from the Massachusetts Institute of Technology and the NASA Glenn Research Center. Press at the Ohio State University "The Lantern": <<http://www.thelantern.com/main.cfm>>

#### **DayStar Solar Cells for Terrestrial Modules and Consumer Products 5-12-05**

DayStar Technologies, Inc. unveiled TerraFoil™ for use in traditional flat-plate PV modules. Said Terry Schuyler, DayStar's Director of Sales and Product Management, "...the flexible form factor of TerraFoil™ cells will also enable intriguing new consumer products outside of the flat-plate environment, including use in unique building integrated materials." The product is the second addition in the Company's portfolio of planned Photovoltaic Foil™ offerings and complements the high-specific-power LightFoil™ product introduced in March. TerraFoil™ consists of a CIGS solar cell deposited on thin stainless steel foil, and is targeted it to be manufactured at 10-14% efficiency depending on intended applications and cost requirements. The product is in the pilot manufacturing stage. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b03056CC9-136E-4BEB-880D-4F2ABD0F9C64%7d&siteid=mktw&dist=nbk&symp=>>

DayStar Technologies: <<http://www.daystartech.com/>>

### **Manufacturing**

#### **First Solar Groundbreaking 5-25-05**

First Solar LLC will formally break ground Thursday on a second, \$74 million plant in Perrysburg Township to make solar panels. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6345419&ResultCategoryType=2,7&NewsPageID=3>>

First Solar: <<http://www.firstsolar.com/index.php>>

**Free Energy Europe Investors [Peter van der Vleuten] 5-24-05**

For further expansion, Free Energy Europe is looking for new investors and/or shareholders who want to support the company with installing a larger manufacturing capacity for state-of-the-art thin film silicon modules. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUC0181.htm>>

Free Energy International: <<http://www.free-energy.net/fei/>>

**More on Wurth Solar 5-23-05**

Wurth Solar announced the construction of a new production facility for CIS PV modules, with an investment of about Euro55 million. For coverage at Solarbuzz, see:

<<http://www.solarbuzz.com/News/NewsEUMA68.htm>>

Wurth Solar: <[http://www.wuerth-solar.de/we\\_web/frames,LA,DE,KA,226.php](http://www.wuerth-solar.de/we_web/frames,LA,DE,KA,226.php)>

**Hitachi Solar Cell Production 5-20-05**

Per PV Activities in Japan [subscription] Hitachi, Ltd. will enhance the production capacity of bifacial solar cells to 10 MW/year, and will work on a full-scale cultivation of the market with exports to Europe and China. This and much more news in PV Activities in Japan, Osamu Ikki, RTS Corporation, Tokyo, [ikki@rts-pv.com](mailto:ikki@rts-pv.com).

**Motech Plant 5-20-05**

Per this article, Motech is building a solar cell plant in the Southern Taiwan Science Park and will aim to rank among the world's top 3 solar cell makers in the future.

Story through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at:

<<http://news.cens.com/php/getnews.php?file=/news/2005/05/20/20050520015.htm&daily=1>>

Motech: <<http://www.motech.com.tw/english/Incorporation1/index.asp>>

**Scheuten Module Manufacturing Capacity, Germany 5-16-05**

Construction has started on a new module manufacturing facility for Scheuten Solar, which will expand capacity from about 10 MW to 50 MW. Netherlands-based Scheuten Solar Technology is a manufacturer of both custom made and standard solar modules.

Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA66.htm>>

Scheuten Solar: <<http://www.scheutensolarsystems.nl/>>

**Zhejiang Solar Cell Makers, China 5-13-05**

Solar cell manufacturers in Zhejiang are increasing output. There are about 15 solar cell makers in the province, accounting for 10% of mainland China's total solar cell output. Story at: <[http://www.eetasia.com/ART\\_8800366358\\_cc0df3bc\\_no.HTM](http://www.eetasia.com/ART_8800366358_cc0df3bc_no.HTM)>

**PV Manufacturing Conference Presentations Online [EPIA] 5-2-05**

Presentations and videos from the 1<sup>st</sup> International Advanced Photovoltaic Manufacturing Technology Conference held in Munich at SEMICON Europa 2005 are online at the EPIA website. See: <[http://www.epia.org/08Events/Events\\_SEMICON2005.htm](http://www.epia.org/08Events/Events_SEMICON2005.htm)>

**Industry Business Developments, Status**

**ICP Partnership with Titan Energy Systems 5-31-05**

ICP Solar announced a partnership with Titan Energy Systems of Andhra Pradesh, India, as well as the opening of a new distribution center in Dallas, Texas. Story at

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAC0323.htm>>

ICP Solar: <<http://www.icpsolar.com/>>

Titan Energy Systems: <<http://www.titansolar.com/titan/>>

**Evergreen Solar at Investor Conferences 5-31-05**

Evergreen Solar, Inc. announced it would be presenting at two investor conferences, with webcasts on June 1 and 7. Information at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B2E20548F%2DF5F7%2D4147%2DA9A6%2DA0BF79FA8E43%7D>>

Evergreen: <<http://www.evergreensolar.com/>>



#### **SolarPower Ltd. Plans 5-31-05**

For coverage of Israeli company SolarPower Ltd's. plans and activities, including cellular and solar networks, see the article at:

<<http://www.globes.co.il/serveen/globes/DocView.asp?did=915173&fid=1724>>

#### **Solar Renewable Energy Tracking System for New Jersey [Jan Pepper] 5-31-05**

Clean Power Markets, Inc. (CPM) announced that New Jersey has successfully established the nation's first tracking and trading system for solar renewable energy certificates (SRECs). CPM who was awarded a contract to develop and administer the first tracking program for "behind-the-meter" distributed generation systems, has issued over 1350 SRECs under the program since it began operation in July 2004. Information at:

<<http://www.cleanpowermarkets.com/>>

#### **ATS Earnings 5-31-05**

ATS Automation Tooling Systems Inc. reported net earnings from continuing operations of \$14.6 million for the 3 months ended 31 March 2005. Automation Systems Group and Solar Group both reported a significant acceleration in operating earnings in the 4<sup>th</sup> quarter, with ASG operating margins increasing to 8.4% from 5.5% in the 4<sup>th</sup> quarter a year ago and Solar operating margins increasing to a record high of 14.6% from 8.0% in the comparable quarter a year ago. Press at:

<<http://www.atsautomation.com/profile/news/2005/05262005.htm>>

#### **DuPont in SEIA 5-31-05**

Per "Briefly Noted" at RenewableEnergyAccess, SEIA's recent newsletter included an item welcoming DuPont to the association. See:

<<http://www.renewableenergyaccess.com/rea/news/section?id=BRIEF#31422>>

<<http://www.renewableenergyaccess.com/rea/news/story?id=31422>>

DuPont Photovoltaic Solutions: <<http://www.dupont.com/photovoltaics/index.html>>

#### **Carmanah Acquisition of SPS 5-26-05**

Carmanah Technologies announced that the company and Soltek Powersource Ltd have entered into a definitive agreement whereby Carmanah will acquire all the issued and outstanding shares of SPS. With about 60% market share, SPS is the largest Canadian supplier of solar systems and solar-related equipment. Said CEO Art Alyesworth, "With this acquisition, Carmanah will become the largest solar company in Canada". Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAC0321.htm>>

Carmanah: <<http://www.carmanah.com/>>

SPS: <<http://spsenergy.com/>>

#### **BP Solar in Sri Lanka 5-25-05**

BP Solar Australia was awarded \$21.2 million AUD in the first phase of a possible 2-phase program to provide 5,000 solar-powered drip irrigation systems to Sri Lanka by 2006. Story at Photon International: <<http://www.photon-magazine.com/news/news 2005-05 ap sn Sri Lanka pumps.htm>>

#### **Light Generator for Measuring I-V Curves 5-25-05**

Swiss company Belval S.A. has introduced a new light generator for measuring I-V curves of solar modules. Information at Photon International: <<http://www.photon-magazine.com/products/products 2005-05 ww np sn Pasan.htm>>

Belval: <<http://www.belval.com/>>

#### **Apex BP Solar Shipments 5-25-05**

After supplying 130 PV systems to Zambia in February, Apex BP Solar is preparing to deliver another 100 solar home systems in March. Story at Photon International:

<<http://www.photon-magazine.com/news/news 2005-05 af sn BP Solar in Zambia.htm>>

Apex BP: <<http://www.apex-bpsolar.com/solaire/index.php>>

#### **Concentrix Concentrator Modules 5-25-05**

A spin-off from Fraunhofer ISE intends to produce commercially competitive concentrator modules. Contrenrix plans to build a pilot production line in Freiburg by the end of 2005. Story at Photon International: <<http://www.photon-magazine.com/news/news 2005-05 eu feat Flatcon.htm>>

Concentrix: <[http://www.concentrix-solar.de/cms/front\\_content.php?idcat=31](http://www.concentrix-solar.de/cms/front_content.php?idcat=31)>

#### **Origin Sliver Cells 5-25-05**

The solar branch of the Australian energy provider Origin will present the first series module with its Sliver Cells at the European PV Conference & Exhibition in Spain. Story at Photon International: <[http://www.photon-magazine.com/products/products\\_2005-05\\_ww\\_np\\_sn\\_Origin.htm](http://www.photon-magazine.com/products/products_2005-05_ww_np_sn_Origin.htm)>

Origin: <[http://www.originenergy.com.au/home/home\\_subnav.php?pageid=174](http://www.originenergy.com.au/home/home_subnav.php?pageid=174)>

Origin Sliver technology:

<[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233)>

#### **First Solar Reclamation and Recycling Reimbursement Policy 5-25-05**

First Solar, LLC announced that it has completed a long-term agreement with a major international insurance company to fund the estimated future costs of reclaiming and recycling First Solar modules at the end of their use. Story at

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=avWROqL LYIZf?id=30994>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPT111.htm>>

Press at First Solar: <[http://www.firstsolar.com/company\\_news.php](http://www.firstsolar.com/company_news.php)>

#### **Satcon's Inverters 5-24-05**

SatCon Technology Corporation announced that it has successfully re-listed five of its PowerGate-PV inverter designs on the California Energy Commission's list of eligible inverters. Story at: <<http://biz.yahoo.com/bw/050524/245489.html?.v=1>>

SatCon: <<http://www.satcon.com/>>

#### **Principal Technologist at Hydrogen Solar 5-23-05**

Hydrogen Solar Ltd has announced the appointment of Dr. Xiaoming He as Principal Technologist to lead operations at its US subsidiary in Henderson, Nevada. Story at:

<<http://www.fuelcellsworks.com/Suppage2694.html>>

Hydrogen Solar: <<http://www.hydrogensolar.com/>>

#### **Innergy Solar Modules 5-23-05**

Innergy Power Corporation is introducing a new product line of solar modules. The FRP (fiberglass reinforced panel) line includes solar modules from 1.5W to 75W and is manufactured on lightweight fiberglass substrates. Innergy Power's panels are also available with glass substrates. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAPT110.htm>>

Innergy Power: <<http://www.innergypower.com/>>

#### **Sempra Energy Power Plant 5-20-05**

Sempra Energy said it will take full control of a Nevada power plant it co-owns with Reliant Energy. In addition to the natural gas powered plant, the El Dorado site includes a 100-kW solar field with 256 tracking solar panels. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6343714&ResultCategoryType=2,7&NewsPageID=3>>

#### **WorldWater & Power Contract 5-22-05**

WorldWater & Power Corp. announced the signing of a contract for \$280,000 to install a solar electric generation system in a prestigious architectural model residence in Southern California. The solar system was designed in coordination with the owner and the award-winning architecture firm, Ronchetti Design of Rancho Santa Fe. Story at:

<<http://www.primezone.com/pub/headlines.mhtml?d=78558>>

WorldWater & Power: <<http://www.worldwater.com/>>

#### **Sunways Thin Silicon, First Quarter Sales 5-20-05**

Sunways AG has entered into a cooperation agreement with Unaxis AG with goal to jointly construct a production unit for the manufacture of solar cells based on thin-film technology within 2 years. Press at:

<<http://www.presseportal.de/story.htx?nr=681363&ressort=7>>

Sunways: <<http://www.sunways.de/en/index.php>>

Unaxis: <<http://www.unaxis.com/en//Divisions.asp>>

For information on Sunways First Quarter sales, see Solarbuzz at:  
<<http://www.solarbuzz.com/News/NewsEUCO180.htm>>

**Solartron Revenue 5-20-05**

Solartron has revised its 2005 revenue growth forecasts upward to 35% following recent government measures aimed at boosting the use of alternative energy. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6343583&ResultCategoryType=2,7&NewsPageID=3>>  
Solartron: <<http://www.solartron.co.th/>>

**Romag Profits, UK 5-19-05**

Romag invested £3.5M in creating one of the world's largest PV glass-making factories at its Consett site. PowerGlaz panels, developed with BP, are made to measure and can be incorporated into the fabric of a building as tiles or windows. Said chief executive Lyn Miles, "To have achieved sales in excess of £500,000 in the first real six months of operation is very satisfying." Story through Solarbuzz  
<<http://www.solarbuzz.com/News/Corporate.asp>> at:  
<[http://icnewcastle.icnetwork.co.uk/0500business/0100local/tm\\_objectid=15533813&method=full&siteid=50081&headline=profits-rise-by-37--name\\_page.html](http://icnewcastle.icnetwork.co.uk/0500business/0100local/tm_objectid=15533813&method=full&siteid=50081&headline=profits-rise-by-37--name_page.html)>  
Romag: <<http://www.romag.co.uk/>>

**Hydrogen Solar Appointment 5-18-05**

Hydrogen Solar announced the appointment of Roger Townsend as its Sales and Marketing Director. Press at:  
<<http://www.fuelcelltoday.com/FuelCellToday/IndustryInformation/IndustryInformationExternal/NewsDisplayArticle/0,1602,5945,00.html>>  
Hydrogen Solar: <<http://www.hydrogensolar.com/>>

**Carmanah Product Launch 5-18-05**

Carmanah Technologies Inc. announced the product launch of the 2<sup>nd</sup> generation of its i-STOP™ solar-powered LED-illuminated transit stop. Press at:  
<<http://www.newswire.ca/en/releases/archive/May2005/17/c0141.html>>  
Carmanah: <<http://www.transitlights.com/>>

**Wurth Solar's New Production [Dale Tarrant, Bolko von Roedern] 5-18-05**

For an article (in German) on construction of a new 15-MW capacity production plant for CIS PV modules with an investment of about \$55 million euros, see Wurth Solar at:  
<[http://www.wuerth-solar.de/we\\_web/frames.php?parLANG=DE&parKAT=227](http://www.wuerth-solar.de/we_web/frames.php?parLANG=DE&parKAT=227)>. The location of the plant has not been decided, but is expected to employ 120 people.

**First Solar Multi-year Agreement 5-18-05**

First Solar and juwi GmbH have entered into a framework agreement for the purchase and sale of 8 MW of First Solar thin film solar modules during 2005 and 2006. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO179.htm>>  
First Solar: <<http://www.firstsolar.com/>>  
juwi: <<http://www.juwi.de/intro.htm>>

**WorldWater & Power \$7.8M Contract 5-18-05**

WorldWater & Power Corp. announced the signing of a contract for \$7.8 million with Farm ACW of Fallbrook, California to install solar electric systems to power the avocado ranch operations. The new contract brings the total of projects signed in 2005 to \$12.2 million. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b31DB4295-6A2C-414E-91C5-AA5B166411DE%7d&siteid=mktw&dist=nbk&sybm=>>>  
WorldWater & Power: <<http://www.worldwater.com/>>

**Fat Spaniel Monitoring for Inverters 5-17-05**

The Xantrex GT 3.0, Beacon M5 Series, and PV Powered StarInverter Series inverters have joined the list of residential inverters Fat Spaniel Technologies is monitoring directly, without the need for an external power meter. FST already has direct monitoring solutions for the SMA Sunny Boy family of inverters. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPT109.htm>>  
Fat Spaniel Technologies: <<http://www.fatspaniel.com/>>

#### **Solar Inverters Nominated 5-17-05**

Magnetek, Inc. announced that its Aurora™ indoor solar inverter product line has been nominated to receive the INTEL DESIGN AWARD at INTEL 2005. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE6893C2D-0A41-4BB5-BECC-8095C36D805B%7d&siteid=mktw&dist=nbk&symp=>>

Magnetek: <<http://www.alternative-energies.com/>>

#### **"Stock Talk LIVE" 5-17-05**

International Broadcasting Corporation announced it has signed on a new sponsor - XsunX - for its radio talk show "Stock Talk LIVE". Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bADC97940-12AF-4D45-9EAD-285C487403E4%7d&siteid=mktw&dist=nbk&symp=>>

XsunX: <<http://www.xsunx.com/>>

#### **WorldWater & Power 1<sup>st</sup> Quarter Results 5-17-05**

WorldWater & Power announced its first quarter results for 2005. The company started construction on two projects in April, supplying solar power to water districts in California and New Jersey, and a third is expected to begin by the end of the second quarter for supply of solar pumping and electric power to a tree farm in California. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b4005B461-5FE6-4FA1-B232-E37E955DDEB7%7d&siteid=mktw&dist=nbk&symp=>>

WorldWater & Power: <<http://www.worldwater.com/>>

#### **Konarka Financing 5-17-05**

Konarka Technologies, Inc. announced that the company secured up to \$7 million in venture debt financing from Lighthouse Capital Partners. Konarka plans to use the funds in the U.S. and Europe for research laboratory expansion, capital equipment, and working capital related to the development of its light-activated power plastic. Press at:

<<http://biz.yahoo.com/bw/050517/175145.html?.v=1>>

Konarka: <<http://www.konarka.com/>>

#### **ARISE 2004 Financial Results 5-17-05**

ARISE Technologies Corporation released its audited financial statements for the year ended December 31, 2004. Said Ian MacLellan, President and CEO, "Dealing with the shortages in solar modules as a result of the high growth in Germany, Japan, and the US has been our biggest challenge over the last year." Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNACO317.htm>

ARISE: <<http://www.arisetech.com/>>

#### **Spire Solar PV Module Line in Italy 5-17-05**

Spire Corporation announced that it has entered into a contract to provide PA.SOL Italia S.p.A. with Spire's advanced PV module manufacturing production line including automated equipment for solar cell stringing and lay up, lamination, and module testing. PA.SOL was recently formed by private investors to initiate local PV module manufacturing for the growing solar market in Italy and other parts of Europe. Story at Solarbuzz: <

<<http://www.solarbuzz.com/News/NewsEUMA67.htm>>

Spire Press: <<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-newsreleases>>

#### **SOLON Sales 5-17-05**

In the first 3 months of the 2005 fiscal year, SOLON AG generated sales of EUR 29.1 million, a year-on-year increase of more than 100%, and profits reached \$1.3 million, a year-on-year increase of 225%. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUCO178.htm>>

SOLON AG: <<http://www.solonag.de/>>

#### **More on SIT and GE 5-17-05**

Solar Integrated Technologies announced that GE Commercial Finance Energy Financial Services has funded the first phase of an initial investment in Solar Integrated's San Diego City Schools project. The first phase of funding was about \$9.5 million. Story at Solarbuzz: <

<<http://www.solarbuzz.com/News/NewsNACO318.htm>>

Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

GE Commercial Finance: <<http://www.geenergyfinancialservices.com/>>

#### **Solar-Fabrik Solar Cells 5-13-05**

Solar-Fabrik finished the first quarter within expectations. Per the report, the management at Solar-Fabrik managed to secure the supply of solar cells for 2005 - at the end of April the purchase of raw materials to cover the supply for 2005 was announced. Press at: <<http://www.presseportal.de/story.htx?nr=679025>>

#### **Xantrex in China 5-13-05**

Xantrex Technology Inc. announced the expansion of its sales operations in the Chinese market with the opening of an office in Beijing. The new office is part of Xantrex's strategy to establish a strong local presence in major markets and to increase international business. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aNfaXAXHcBmd?id=29018>>

Xantrex: <<http://www.xantrex.com/>>

#### **SunPower Leadership 5-13-05**

SunPower Corp. announced that Jon Whiteman has been promoted to vice president of strategic supply and Mark Liffmann has joined SunPower as director of North American sales and marketing. Said Tom Werner, SunPower's CEO, "SunPower is currently engaged in an aggressive capacity build-out of our Philippines solar cell manufacturing plant, effectively quadrupling capacity over the next 12 months". Press at:

<<http://biz.yahoo.com/bw/050512/125914.html?v=1>>

SunPower: <<http://www.sunpowercorp.com/html/>>

#### **Tenesol Joint Venture 5-13-05**

Total SA and Electricite de France said they will increase their stakes in a solar energy joint venture, Tenesol, to 50% each by buying out stakes held by founders and management of the unit. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUC0177.htm>>

EDF: <[http://www.edf.fr/index.php4?coe\\_i\\_id=1](http://www.edf.fr/index.php4?coe_i_id=1)>

Total: <<http://www.total.com/>>

Press at: <<http://www.forbes.com/business/feeds/afx/2005/05/12/afx2022751.html>>

#### **Solar-Fabrik Concept for Inverter Market 5-12-05**

Solar-Fabrik AG will introduce the new "convert 6T", developed in collaboration with the German electronics supplier to the automotive industry KOSTAL, at Intersolar 2005. This inverter allows for 3-phase power to be fed to the grid in combination with a transformerless inverter topology. Information at:

<[http://www.presseportal.de/story\\_rss.htx?nr=678585](http://www.presseportal.de/story_rss.htx?nr=678585)>

Solar-Fabrik: <<http://www.solarfabrik.de/>>

Intersolar 2005: <[http://www.freiburg-futour.de/English/intersolar\\_4\\_e.php](http://www.freiburg-futour.de/English/intersolar_4_e.php)>

#### **More on Solaris Nanosciences 5-12-05**

For more on Solaris Nanosciences infusion of capital, allowing the Company to court more investors in their efforts to become a leading manufacturer of nanoparticles used in devices like PV, video displays and vision enhancement, see the article at:

<<http://www.azonano.com/news.asp?newsID=901>>

Solaris Nanosciences: <<http://www.solarisnano.com/>>

#### **DayStar Solar Cells for Terrestrial Modules and Consumer Products 5-12-05**

DayStar Technologies, Inc. unveiled TerraFoil™ for use in traditional flat-plate PV modules. Said Terry Schuyler, DayStar's Director of Sales and Product Management, "...the flexible form factor of TerraFoil™ cells will also enable intriguing new consumer products outside of the flat-plate environment, including use in unique building integrated materials." The product is the second addition in the Company's portfolio of planned Photovoltaic Foil™ offerings and complements the high-specific-power LightFoil™ product introduced in March. TerraFoil™ consists of a CIGS solar cell deposited on thin stainless steel foil, and is targeted to be manufactured at 10-14% efficiency depending on intended applications and cost requirements. The product is in the pilot manufacturing stage. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b03056CC9-136E-4BEB-880D-4F2ABD0F9C64%7d&siteid=mktw&dist=nbk&symp=>>>

DayStar Technologies: <<http://www.daystartech.com/>>

#### **Sharp's New Line of Power Conditioners 5-12-05**

Sharp Corporation will introduce a new line-up of power conditioners equipped with a "Smart Power Monitor" designed to allow users to see how much energy they are saving as they monitor the status of their PV power generating system. The monitoring unit uses a color LCD screen to provide 2 display functions: Energy Savings Tracker, and Real-Time Status Display. For more on these developments, see Sharp at:

<<http://sharp-world.com/corporate/news/050511.html>>

Green Building Press:

<<http://www.newbuilder.co.uk/newbuilder/NewsFullStory.asp?ID=701>>

#### **Shell Solar Contract in China 5-12-05**

Shell Solar GmbH has won a 1.28 million euro contract to provide solar power to 12 remote villages in Northwest China's Qinghai province. The PV unit of Royal Dutch/Shell Group will install systems producing up to 80 kWp of electricity for 551 households. Story at:

<[http://money.iwon.com/jsp/nw/nwdt\\_rt\\_top.jsp?cat=TOPBIZ&src=704&feed=dji&section=news&news\\_id=dji-00057820050512&date=20050512&alias=/alias/money/cm/nw](http://money.iwon.com/jsp/nw/nwdt_rt_top.jsp?cat=TOPBIZ&src=704&feed=dji&section=news&news_id=dji-00057820050512&date=20050512&alias=/alias/money/cm/nw)>

Solar GmbH: <<http://www.shell.com/home/Framework?siteId=shellsolar-ge>>

#### **RWE SCHOTT Solar/Hybrid Electrification of Villages in China 5-12-05**

China-based CMC International Tendering Corporation notified RWE SCHOTT that effective April 2005, the company has accepted RWE SCHOTT's bid on a project for the electrification of about 26 villages in Gansu province. The project is part of the Chinese government's Brightness Project. Story at:

<<http://www.mysan.de/article102781.html>>

Photo at: <<http://www.presseportal.de/story.htx?firmid=55021>>

RWE SCHOTT Solar: <[http://www.rweschottsolar.com/en/website\\_wnav.aspx?navid=1](http://www.rweschottsolar.com/en/website_wnav.aspx?navid=1)>

#### **Carmanah Technologies Tier 1 Status 5-11-05**

Carmanah Technologies Corporation announced that the Company achieved Tier 1 status on the TSX Venture Exchange. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=28534>>

Carmanah: <<http://www.carmanah.com/>>

#### **Origin Energy Module 5-11-05**

Origin Energy has manufactured its first pre-production 40W SLIVER® Solar modules. These use the same design and structure as their 10W counterparts, and will be on show at the 20<sup>th</sup> European PV Solar Energy Conference and Exhibition in Barcelona in June.

Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsASPT35.htm>>

Origin Energy Solar:

<[http://www.originenergy.com.au/environment/environment\\_subnav.php?pageid=1233](http://www.originenergy.com.au/environment/environment_subnav.php?pageid=1233)>

Fact Sheet, SLIVER cells:

<[http://www.originenergy.com.au/environment/files/SLIVERfactsheet\\_may2005.pdf](http://www.originenergy.com.au/environment/files/SLIVERfactsheet_may2005.pdf)>

#### **ECD Third Quarter Results 5-10-05**

Energy Conversion Devices, Inc. announced 3<sup>rd</sup> quarter fiscal 2005 operating results. Per the press, ECD Ovonic recently raised \$109 million from a sale of its common stock and the exercise of outstanding warrants by certain warrant holders, and the company is using a substantial portion of the net proceeds of these transactions to double the manufacturing capacity of United Solar Ovonic's triple-junction, thin-film, amorphous silicon PV products and to exercise its option to purchase 4.4 million shares of ECD Ovonic common stock held by a subsidiary of ChevronTexaco Corporation.

Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bB2AA0BAD-E515-48DC-8143-29C7401D0991%7d&siteid=mktw&dist=nbk&symb=>>>

ECD Ovonic: <<http://www.ovonic.com/>>

#### **SMA Inverters on California Program Eligible List 5-10-05**

SMA America's inverter testing with respect to the new California Energy Commission's standards has been substantiated by Underwriters Laboratories and the results verified and confirmed by the CEC. Information at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAC0315.htm>>



CEC List of Eligible Inverters: <[http://www.consumerenergycenter.org/cgi-bin/eligible\\_inverters.cgi](http://www.consumerenergycenter.org/cgi-bin/eligible_inverters.cgi)>

SMA America: <<http://www.sma-america.com/index.aspx>>

#### **OutBack Grid-interactive Inverter/Charger 5-10-05**

OutBack Power Systems, Inc. announced that the GVFX3648 grid-interactive inverter/charger has been featured in the most recent issue of Home Power magazine. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=28341>>

Home Power: <<http://www.homepower.com/>>

OutBack Power Systems: <<http://www.outbackpower.com/>>

#### **Mitsubishi Modules 5-10-05**

Mitsubishi Electric & Electronics USA, Inc. has announced its entry into the US solar/PV module market with two modules that contain no lead solder. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aZJsUYuFvvEh?id=28274>>

Mitsubishi Electric: <<http://www.mitsubishielectric.com/>>

#### **SolarWorld Silicon Production Capacity, Germany 5-10-05**

At SolarWorld AG's subsidiary Deutsche Solar AG in Freiberg, Saxony, the company is celebrating the inauguration of its largest production plant to date. The production building houses the new Temperature Controlled Volume Process kilns for the crystallization of solar silicon developed by the company. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUMA65.htm>>

SolarWorld AG: <<http://www.solarworld.de/>>

#### **Conergy's First Quarter 5-10-05**

Conergy increased sales and earnings in the first quarter of 2005, with consolidated sales up 67.8% versus the same period last year. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUOC176.htm>>

Conergy: <<http://www.conergy.com/>>

#### **WACKER Polysilicon Production 5-9-05**

WACKER is expanding its polysilicon production in Burghausen, Germany by another 2,500 metric tons per year. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUMA64.htm>>

WACKER: <[http://www.wacker.com/internet/noc/?locale=en\\_US](http://www.wacker.com/internet/noc/?locale=en_US)>

#### **More on Konarka's Camouflage-patterned Power Plastic 5-9-05**

Konarka Technologies was recently contracted by the US Army for \$1.6million to provide thin-film solar to supply power to soldier systems and Army support infrastructure.

As part of this new program Konarka will also perfect its ability to print camouflage-patterned power plastic to maintain a low visibility profile, and continue to improve the performance of its PV fibers and fabrics. For more on this technology, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=afcOfD-MkrT7?id=28183>>

Konarka Technologies: <<http://www.re-access.com/rea/market/business/view?cid=1637>><

Additional coverage:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=afcOfD-MkrT7?id=28118>>

#### **XsunX Shipments 5-9-05**

XsunX announced that it has begun shipments of PowerGlass™ samples to manufacturers for use in product development and testing. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={941F27BC-5A93-4B32-9223-6FB1EF25E51E}&siteid=mktw&dist=nbk&symp=>>

XsunX: <<http://www.xsunx.com/>>

#### **GE's Green Initiative 5-9-05**

General Electric Company Chairman and CEO Jeff Immelt announced ecomagination, a GE initiative to aggressively bring to market new technologies that will help customers

meet pressing environmental challenges. Under the ecomagination, GE will double investment in R&D - GE will invest \$1.5 billion annually in research in cleaner technologies by 2010, up from \$700 million in 2004. More on this initiative at: <http://www.ge.com/cgi-bin/cnn-storydisplay.nu.cgi?story=/www/bw/webbox/bw.050905/251295663.htm&strip=1&notimestamp=1&noeditor=1&nohrule=1&header=%2Fwww%2Fbw%2Fge%2Ftest-top.htm&footer=%2Fwww%2Fbw%2Fge%2Ftest-bot.htm&textcolor=%23000000&bgcolor=%23FFFFFF&linkcolor=%230000FF&vlinkcolor=%23551A8B>

GE: <http://www.ge.com/en/company/news/index.htm>

#### **DayStar Registration Warrant Statement 5-6-05**

DayStar Technologies issued a formal statement confirming that a Form S-3 registration statement filed with the U.S. Securities and Exchange Commission has been declared effective. More at:

<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bFAE438F9-B40D-4CC3-BA5A-EBCEA8771868%7d&siteid=mktw&dist=nbk&symb=>>

DayStar: <http://www.daystartech.com/releases.htm>

#### **Balance of Systems Products 5-5-05**

Sputnik Engineering will introduce the new "MaxConnect plus" connection box at the upcoming trade fair Intersolar in Freiburg. Sputnik will also present new software, MaxDesign 2.0 for PV system design, as well as display a new 300kW central inverter, SolarMax 300 C. For more on these products, see Solarbuzz at:

<http://www.solarbuzz.com/news/NewsEUPT31.htm>

Sputnik/SolarMax: <http://www.solarmax.com/pub/index.php>

#### **More on Association of California Water Agencies' Solar Partnership 5-5-05**

The Association of California Water Agencies has signed a 5-year agreement with PowerLight and WorldWater & Power. PowerLight and WorldWater & Power have agreed to offer water agencies proposals they guarantee will be as good or better than competitors' for onsite solar generation systems capable of running large water pumps or powering water treatment plants. Story at ReFocus:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=87305849&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=87305849&accnum=1&topics=>)

PowerLight Press: <http://www.powerlight.com/company/press-releases/2005/04.13.05-acwa.shtml>

WorldWater & Power: <http://www.worldwater.com/>

ACWA Partnership Program:

[http://www.acwa.com/products/partnership\\_program/solar\\_program.asp](http://www.acwa.com/products/partnership_program/solar_program.asp)

#### **PJM Interconnection Renewables Tracking 5-5-05**

PJM Interconnection created a subsidiary, PJM Environmental Information Services, to collect information through its Generation Attribute Tracking System. The program produces one electronic certificate with a unique serial number to identify the attributes for each MWh generated within its region. A power supplier can use the information to show state regulators that the power provided to retail customers came from renewable sources, and regulators can use the service to monitor compliance with their requirements under renewable portfolio standards. Story at ReFocus:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=58082217&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=58082217&accnum=1&topics=>)

PJM: <http://www.pjm-eis.com/gats/about-gats.html>

#### **Solar System Purchase Option, California 5-5-05**

Sacramento Municipal Utility District is giving qualified customers who loaned their roofs to advance solar energy technology the opportunity to buy the solar systems.

For more on this "PV Pioneers" purchase option, see Solarbuzz at:

<http://www.solarbuzz.com/News/NewsNAGO245.htm> and RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aviKt8-qEtDh?id=28149>

SMUD: <http://www.smud.org/>

#### **More on Konarka Contract with the Army 5-5-05**

For the story "Army lightens load with solar power" highlighting Konarka Technologies' \$1.6M contract with the Army, see: <http://msnbc.msn.com/id/7745709/>

Additional Press:

<[http://news.yahoo.com/news?tmpl=story&u=/ap/20050505/ap\\_on\\_hi\\_te/army\\_plastic\\_solar\\_2](http://news.yahoo.com/news?tmpl=story&u=/ap/20050505/ap_on_hi_te/army_plastic_solar_2)>

Konarka: <[http://www.konarkatech.com/news\\_press.php](http://www.konarkatech.com/news_press.php)>

#### **Impact of Energy and Conservation Programs 5-4-05**

MapInfo Corporation announced a new location-based application developed with its partner, Simmons Computing Services, Inc., to help energy R&D organizations effectively manage their project and contract information. For example, the New York State Energy Research and Development Authority relies on the Simmons and MapInfo solution to provide performance information on the impact of energy research and conservation programs within the state. With this system NYSERDA can access updated location-based information to analyze the performance/impact of programs, such as the effectiveness of solar roof shingles on a school's energy consumption. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6097403&ResultCategoryType=2,7&NewsPageID=3>>

MapInfo:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Emapinfo%2Ecom&template=2,2>>

Simmons:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Esimmons%2Ecom&template=2,2>>

#### **Indo-German Solar Power 5-4-05**

An Indo-German information and contact programme on renewable energy, organized by the Indo-German Chamber of Commerce in Calcutta saw presentations by German experts and alternative power companies that could augment Calcutta's energy resources in the long term. For more on this interface, see the article at:

<[http://www.telegraphindia.com/1050504/asp/calcutta/story\\_4686591.asp](http://www.telegraphindia.com/1050504/asp/calcutta/story_4686591.asp)>

#### **More on BP Solar and The Home Depot 5-4-05**

BP Solar recently announced the expansion of its BP Solar Home Solution® to virtually all The Home Depot® stores in California. For more information on the BP Solar Home Solution®, which is available through The Home Depot, see:

<<http://www.bp.com/sectiongenericarticle.do?categoryId=3050524&contentId=3050758>>

Press at: <<http://www.bp.com/genericarticle.do?categoryId=9002555&contentId=7005930>>

#### **Nanosolar Executive Team 5-4-05**

Nanosolar, Inc. announced it has made several key executive appointments in connection with successfully completing its initial R&D phase and moving into commercial production. Chris Eberspacher has been appointed Vice President of Engineering. Werner Dumanski has been appointed Executive Vice President of Operations. And, Siva Sivaram has been appointed to the Board of Directors. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bDCA76C91-B2EB-4B79-9755-77FB7ED1E625%7d&siteid=mktw&dist=nbk&syml=>>

Nanosolar: <<http://www.nanosolar.com/>>

Nanosolar has been named as one of the top 100 private companies by Red Herring: <<http://www.redherring.com/RhSpring05/index.html>>

#### **Konarka Contract [Hilary Ives] 5-4-05**

Konarka Technologies announced that the company has signed a \$1.6 million contract with the U.S. Army. As part of this new program, Konarka's light-activated power plastic will provide critical power supply to soldier systems and Army support infrastructure. Press from Konarka:

<[http://www.konarka.com/news\\_and\\_events/press\\_releases/2005/5\\_may/0504\\_army.php](http://www.konarka.com/news_and_events/press_releases/2005/5_may/0504_army.php)>

Konarka: <<http://www.konarka.com/>>

#### **Small Generators' Access [Scott Sklar] 5-3-05**

The Federal Energy Regulatory Commission has accepted PJM Interconnection's proposal that makes it easier for small generators to connect to the electric system and participate in PJM's wholesale electricity market. The proposal is a new standard that sets the technical requirements to connect generators of 2 MW or less to utility lines. Press release: <<http://www.pjm.com/contributions/news-releases/2005/20050502->

[small-generation-interconnection.pdf](#)>

PJM: <<http://www.pjm.com/index.jsp>>

**More on Entech's NASA Contracts [Mark O'Neill] 5-3-05**

Entech Inc. has won \$17.5 million in three contracts from NASA. Entech's contracts, each of them 12-18 months, are valued at \$600,000, \$500,000, and \$1.8 million. Two of the contracts have options, one for an additional \$2.1 million, with the other for another \$12.5 million. For more on Entech's space concentrator technology, and the new contracts, see the articles at:

<<http://www.bizjournals.com/dallas/stories/2005/05/02/story2.html>> (Front page coverage: <<http://img.bizjournals.com/u/f/dallas/20050502/coverimage.jpg>>) and <<http://msnbc.msn.com/id/7704098/>>

Entech: <<http://www.entechsolar.com/>>

**Solaris Nanosciences Financing 5-2-05**

Solaris Nanosciences Corporation closed on an investment made by the Slater Technology Fund. Per the article, the company has an active R&D program that is focusing on its nanoantenna technology and its application to significantly improve the performance of PV solar cells. Story at: <<http://biz.yahoo.com/bw/050502/25544.html?v=1>>

Solaris Nanosciences: <<http://www.solarisnano.com/>>

**More on SolarWorld Profits 5-2-05**

For more on SolarWorld AG profits, see the article at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUC0175.htm>>

SolarWorld: <<http://www.solarworld.de/>>

**WorldWater & Power Preferred Solar Partner 5-2-05**

WorldWater & Power Corporation has been selected by the Association of California Water Agencies as a Preferred Solar Partner. Story at:

<<http://www.primezone.com/newsroom/?d=77290>>

WorldWater & Power: <<http://www.worldwater.com/>>

**First Solar Agreement with Conergy [Paula Vaughnn] 5-2-05**

First Solar and Conergy AG announced that the companies have entered into a framework agreement for the purchase and sale of 8 MW of First Solar thin film solar modules during 2005 and 2006. The First Solar modules will be installed in large solar projects and will be branded as the Conergy CP Series. Press at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=27902>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAC0311.htm>> and

First Solar:

<<http://www.firstsolar.com/pdf/First%20Solar%20Supply%20Agreement%20with%20Conergy.pdf>>

First Solar: <<http://www.firstsolar.com/>>

Conergy AG: <<http://www.conergy.com/>>

**Renewables Programs, Projects**

**Solar City, Gandhinager, India 5-31-05**

The Gujarat Energy Development Agency has been appointed as a nodal agency to implement a project to encourage citizens to switch to solar energy and install non-conventional energy systems in government buildings and premises. Story through Solarbuzz at: <<http://cities.expressindia.com/fullstory.php?newsid=131383>>

**Feed-in Tariff, Canada 5-31-05**

Canada's solar energy industry association is urging the Ontario government to follow the lead of many European countries and enact a feed-in tariff to promote renewable energy. The Canadian Solar Energy Industries Association released its report entitled Valuing Solar Electricity - Priming the Market in Ontario, recommending the adoption of a feed-in tariff rate of CAD \$0.42 per kWh for residential solar PV systems under 3 kW that are connected to Ontario's power grid. Story and links to reports, including Valuing Grid-Connected Solar Electricity, and Sunny Days Ahead, at

RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aNs8PNsbRcT6?id=31429>>

**California SB1 [Bernadette Del Chiaro] 5-27-05**

The Million Solar Roofs Bill, SB1 passed the Senate Appropriations Committee by a vote of 8 to 5 with no members abstaining, and the bill will be voted on the Senate Floor next week. [email update]

Environment California: <<http://www.environmentcalifornia.org/>>

**REEEP Funding 5-26-05**

The Renewable Energy & Energy Efficiency Partnerships has funded 18 projects that range from blueprints for national renewable energy policies to support for clean energy funds. Accelerating the market development of renewables is the objective of the Euro 1 million funding. Story at ReFocus:

<[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=56290835&accnum=1&topics=](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=56290835&accnum=1&topics=)>

REEEP: <<http://www.reeep.org/index.cfm?articleid=1154>>

**San Francisco, California Tax Breaks 5-26-05**

San Francisco Supervisor Jake McGoldrick has introduced legislation in hopes of turning San Francisco into a hub for the growing renewable energy industry. The legislation would allow renewable energy companies with 10 or more employees to be exempt from the city's business tax for 10 years or from the date the company relocates to San Francisco, with a tax credit window of 15 years. Story through Solarbuzz at:

<[http://www.sfexaminer.com/articles/2005/05/26//news//20050526\\_ne10\\_city.txt](http://www.sfexaminer.com/articles/2005/05/26//news//20050526_ne10_city.txt)>

**Czech Republic Feed-in Tariff 5-24-05**

The Czech Republic's Parliament adopted a new feed-in law for renewable energy that will provide a 15-year guarantee for renewable energy projects. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a4Di5HwT6as5?id=30844>>

**California Million Solar Roofs Initiative 5-24-05**

The California Senate Appropriations Committee heard SB 1, the Million Solar Roofs Initiative, on Monday and the bill was put on the "suspense file", a normal procedure. More at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/section?id=BRIEF#30841>>

**Connecticut Clean Energy Fund 5-24-05**

The Connecticut Clean Energy Fund announced funding for a new program opportunity that will support new renewable, distributed and hydrogen energy projects in the state.

Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a4Di5HwT6as5?id=30842>>

CCEF: <<http://www.ctcleanenergy.com/>>

**LADWP Renewable Energy 5-24-05**

The Board of the Water and Power Commissioners for the Los Angeles Department of Water and Power approved a policy that sets a goal of increasing LADWP's supply of energy from renewable resources to 20% of its generation mix by the year 2017, with an interim goal of 13% by 2010. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6345340&ResultCategoryType=2,7&NewsPageID=3>>

**Emerging Renewables Guidebook, California 5-24-05**

The draft 5<sup>th</sup> edition of the California Energy Commission's Emerging Renewables Program Guidebook is available on line at:

<[http://www.energy.ca.gov/renewables/emerging\\_renewables.html](http://www.energy.ca.gov/renewables/emerging_renewables.html)>

**Solar Energy Projects in the UK 5-24-05**

UK Energy Minister Malcolm Wicks announced that 14 new PV energy projects across the UK will receive £1.35 million in funding, bringing the total amount awarded to medium and large-scale projects since the Government established its scheme in 2002 to £18.8 million. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUG046.htm>>

#### **Renewables Committee Workshop, California 5-23-05**

The California Energy Commission's Renewables Committee will conduct a workshop to seek public comment on proposed changes to the Emerging Renewables Program Guidebook, 1 June 2005. Information at: <[http://www.energy.ca.gov/renewables/02-REN-1038/notices/2005-06-01\\_workshop.html](http://www.energy.ca.gov/renewables/02-REN-1038/notices/2005-06-01_workshop.html)>

#### **Renewables in India 5-23-05**

India's Ministry of Non-Conventional Energy Sources provided a recent update of renewable energy projects in India. For coverage, see RenewableEnergyAccess, and the links provided at: <<http://www.renewableenergyaccess.com/rea/news/story?id=30729>>

#### **Petaluma, California Solar 5-19-05**

Petaluma may ask homebuilders to include solar power in their projects, formalizing a policy required for 3 previous subdivisions. Story at: <<http://www.arguscourier.com/news/news/citysolar050518.html>>

#### **Michigan State Alternative Energy 5-19-05**

Michigan state development officials are expected to approve tax credits and other incentives that would lure more than \$100 million in alternative energy projects to Oakland County. The approval of up to 12 projects would help attract some of the world's fastest growing companies to the county. Per the article, the state is expected to approve more than \$1 million in potential incentives to help spur an \$80 million expansion of United Solar Ovonic LLC in Auburn Hills. Story at: <<http://www.detnews.com/2005/business/0505/17/C01-184079.htm>>  
Other Press: <<http://www.craigslist.com/cgi-bin/news.pl?newsId=6040>>  
Uni-Solar: <<http://www.uni-solar.com/corp.html>>

#### **Russian-Indian Solar Plant 5-19-05**

Per this article, Russian and Indian diplomats discussed setting up a "modern solar power plant and a 10-megawatt power generation center" in Chittagong City. Story at: <<http://www.thedailystar.net/2005/05/19/d50519100678.htm>>

#### **More on OECD Special Financing for Renewable Energy Exports [Kevin Eber] 5-18-05**

The Organization for Economic Co-operation and Development announced that 27 of its member countries have agreed to special financing terms for renewable and water projects in developing countries. This story and more at EERE Network News [Kevin Eber]: <<http://www.eere.energy.gov/news/#9062>>  
<<http://www.eere.energy.gov/news/>>

#### **New Jersey Rebate Policy 5-18-05**

Modifications to the New Jersey Solar Rebate program were announced. For information, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=30147>>  
New Jersey Clean Energy Program: <<http://www.njcep.com/>>

#### **Australian Solar PV Program 5-18-05**

A popular Australian Photovoltaic Rebate Program (PVRP) has received an A\$5.7 million 2-year extension in the 2005-06 budget. Extending the program for 2 years is aimed at ensuring a smoother integration for industry with the Government's long-term Solar Cities program. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASGO64.htm>>  
PVRP: <<http://www.greenhouse.gov.au/renewable/pv/>>  
Solar Cities: <<http://www.greenhouse.gov.au/solarcities/>>

#### **California Solar Legislation [Bernadette Del Chiaro] 5-17-05**

SB1 will likely be heard in the California Senate Appropriations Committee on Monday May 23.  
Example editorials & articles: <<http://www.sfgate.com/cgi-bin/article.cgi?file=/chronicle/archive/2005/05/13/EDGJ6CNOA31.DTL>>  
<<http://www.signonsandiego.com/news/computing/20050515-9999-1c15solar.html>>



#### **DOE Energy Efficiency Initiative 5-16-05**

According to Platts Inside Energy (subscription) David Garman, assistant secretary for energy efficiency and renewable energy, said that in the coming weeks, the Energy Department will unveil a new initiative aimed at improving the energy efficiency of new and existing homes - aspiring over the next 3-1/2 years to move the US toward zero-energy homes.

DOE Buildings Information: <<http://www.eere.energy.gov/EE/buildings-doe.html>>

#### **Solar Plants in West Bengal 5-13-05**

The West Bengal Renewable Energy Development Agency has been working on Sagar Island since 1996 to address energy supply. Since then it has set up small solar PV Power Plants on Sagar Island and its neighbor Moushuni Island. The solar-generated electricity constitutes more than 50% of the total electricity consumed at Sagar Island. Story in the latest GVEP e-newsletter. GVEP: <<http://www.gvep.org/>>

GVEP Newsletters: <<http://www.gvep.org/section/newsletters/>>

West Bengal Solar: <<http://mnes.nic.in/ssm.htm>>

#### **Pennsylvania Small Business Advantage Grants 5-12-05**

Pennsylvania's Environmental Protection Secretary awarded 9 grants totaling \$39,724 to help small businesses purchase equipment or put in place processes that enhance energy efficiency or promote pollution prevention. Under the program, Mesa Environmental Services is installing a 4.08-kW PV system, with a \$6,670 Small Business Advantage Grant toward the \$32,043 project. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1B4C2790-51F9-40B6-8B3E-372294A96046%7d&siteid=mktw&dist=nbk&symb=>>

Grant Program: <<http://www.dep.state.pa.us/>>

#### **OECD Terms for Renewable Energy 5-11-05**

OECD countries participating in the Arrangement on Officially Supported Export Credits have agreed to special financial terms for renewable energy and water projects on a trial basis. The special terms will allow borrowers extended repayment terms of 15 years. Information at:

<[http://www.oecd.org/document/21/0,2340,en\\_2649\\_201185\\_34863125\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/21/0,2340,en_2649_201185_34863125_1_1_1_1,00.html)>

#### **Washington State Renewable Energy Legislation 5-10-05**

New Washington state legislation is expected to kick-start a regional solar PV market. For coverage of this new, progressive legislation in Washington, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=28478>>

Production Incentive Legislation:

<<http://www.leg.wa.gov/wsladm/billinfo1/dspBillSummary.cfm?billnumber=5101&year=2005>>

Tax Incentive Legislation:

<<http://www.leg.wa.gov/wsladm/billinfo1/dspBillSummary.cfm?billnumber=5111&year=2005>>

#### **Iowa Governor's Renewables Commitments 5-3-05**

Iowa Governor Tom Vilsack has issued an executive order that sets up a purchasing requirement for state agencies to purchase at least 10% of their electricity needs from renewable energy sources by 2010. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/home>>

#### **Million Solar Roofs, Santa Barbara, California 5-3-05**

Santa Barbara City Council is receiving an update from staff regarding participation in the Santa Barbara County Million Solar Roofs Partnership, the potential for new solar policy initiatives, and analysis of a proposed solar electric demonstration project. In September 2004, the Council agreed to partner with the Community Environmental Council in an initial year-long project to prepare a "Million Solar Roofs Implementation Plan" to locally promote the use of solar energy. More on these developments at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR499.htm>>

Cooperative Community Energy: <<http://www.ccenergy.com/index.html>>

## Meetings, Gatherings, Conferences

### **DayStar at European PV Conference 5-24-05**

DayStar Technologies' CEO John Tuttle will present "Design Considerations and Implementation of Very Large Manufacturing of CIGS Solar Cells and Related Products" at the 20th European PV Solar Energy Conference and Exhibition in Spain. For more information on the conference agenda, see: <<http://www.photovoltaic-conference.com/>>  
Press: <<http://biz.yahoo.com/prnews/050524/sftu044.html?.v=12>>  
DayStar: <<http://www.daystartech.com/>>

### **ACORE Forum 5-20-05**

The American Council On Renewable Energy is holding a Policy Forum 17-18 October 2005 in Washington, DC on "Renewable Energy in America: Phase II 2005. Online registration will begin July 15.  
ACORE: <<http://www.acore.org/>>

### **Energy Tech Investor Conference 5-19-05**

Per this article, hundreds of millions of dollars are pouring into clean-tech investments, and more venture capital firms and strategic investors are investing in startups specializing in areas like conservation technology and alternative energy. Strategic Research Institute's 2<sup>nd</sup> Annual Energy Tech Investor Conference, set for 29-30 June will address timely topics and offer expert advice from leading investors, strategic buyers, executive management and advisors who have been involved in the latest energy and clean-tech investments and financing. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b65525162-984C-4A0D-A1A8-9B51D82F6C46%7d&siteid=mktw&dist=nbk&sybm=>>>  
Conference Site:  
<[http://www.srinstitute.com/conf\\_page.cfm?instance\\_id=25&web\\_id=583&pid=264](http://www.srinstitute.com/conf_page.cfm?instance_id=25&web_id=583&pid=264)>

### **People, Prosperity & the Planet 5-19-05**

Sixty-five college teams competed for awards in the first annual People, Prosperity & the Planet, P3, event on the National Mall in Washington, D.C. The event was sponsored by the U.S. Environmental Protection Agency to encourage development of sustainable solutions. Entries included a zero net energy project for 6 homes in Texas and a user-friendly software package to design and predict PV uses, among others. Coverage at ReFocus News-in-Brief:  
<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=17963809&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=17963809&accnum=1&topics=>)>  
P3: <<http://es.epa.gov/ncer/p3/>>

### **Solar Power 2005 5-13-05**

Online registration is available for Solar Power 2005, presented by the Solar Electric Power Association and the Solar Energy Industries Association 5-9 October 2005, and coinciding with the DOE Solar Decathlon 7-16 October, in Washington, D.C. Press at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=29416>>  
Solar Power 2005: <<http://www.solarpowerconference.com/>>  
Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>  
SEPA: <<http://www.solarelectricpower.org/>>  
SEIA: <<http://www.seia.org/>>

### **20<sup>th</sup> European Photovoltaic Solar Energy Conference and Exhibition 5-12-05**

The 20<sup>th</sup> European Photovoltaic Solar Energy Conference and Exhibition is set for 6-10 June 2005 in Barcelona, Spain. For information, see: <<http://www.photovoltaic-conference.com/>>

### **International Photovoltaic Science and Engineering Conference & Solar Energy Exhibition 5-12-05**

The 15<sup>th</sup> International Photovoltaic Science and Engineering Conference & Solar Energy Exhibition is set for 10-15 October 2005 in Shanghai, China. For the Announcement and Call for Papers, see: <<http://pvsec15.sjtu.edu.cn/en/>>

**SPS Energy Solutions PV Seminar 5-11-05**

SPS Energy Solutions worked with Solar Energy International and The Green Building Center to run a week-long seminar on PV installation in Salt Lake City, Utah. For more on this seminar and the sponsors, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=28483>>

SPS Energy Solutions: <<http://www.spsenergy.com/>>

SEI: <<http://www.solarenergy.org/>>

The Green Building Center: <<http://www.greenbuildingcenter.net/>>

**Advent Solar Ribbon Cutting [Chris Cameron] 5-11-05**

New Mexico's Senators participated in a ribbon cutting ceremony for Advent Solar's new pilot production facility that uses technology from Sandia National Laboratories. An article was published in the ABQJournal, "Solar Firm Cuts Ribbon", by subscription:

<<http://www.abqjournal.com/biz/>> [subscription]

Domenici Press at: <<http://domenici.senate.gov/news/record.cfm?id=237330>>

Previous Press:

<<http://albuquerque.bizjournals.com/albuquerque/stories/2005/04/25/daily1.html>>

Advent Solar: <<http://www.adventsolar.com/>>

**Congressional Renewable Energy & Energy Efficiency EXPO 5-6-05**

The Sustainable Energy Coalition announced plans for the Eighth Annual Congressional Renewable Energy and Energy Efficiency EXPO to be held in Washington, DC on 21 June. For more information, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=at8tbrhBnTFh?id=28162>>

Sustainable Energy Coalition: <<http://www.sustainableenergy.org/>>

**AVS Symposium 5-2-05**

For the Call for Papers Announcement for the AVS 52<sup>nd</sup> International Symposium & Exhibition, 30 October - 4 November 2005, see:

<<http://www2.avs.org/call/2005/tf.html>>. The Thin Films program includes a topical

session on PV films, including inorganic and organic films for novel solar cell designs such as dye-sensitized and polymeric solar cells (co-sponsored with Electronic Materials and Devices <<http://www2.avs.org/call/2005/em.html>>.)

**PV Manufacturing Conference Presentations Online [EPIA] 5-2-05**

Presentations and videos from the 1<sup>st</sup> International Advanced Photovoltaic Manufacturing Technology Conference held in Munich at SEMICON Europa 2005 are online at the EPIA website. See: <[http://www.epia.org/08Events/Events\\_SEMICON2005.htm](http://www.epia.org/08Events/Events_SEMICON2005.htm)>

**U.S. Congress In Action**

**U.S. Comprehensive Energy Bill 5-17-05**

The Senate Energy & Natural Resources Committee ordered reported a bipartisan energy bill, approved by a vote of 21-1. Press at:

<[http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease\\_id=234687&Month=5&Year=2005&Party=1](http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease_id=234687&Month=5&Year=2005&Party=1)>

Energy Bill titles:

<[http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem\\_ID=3](http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem_ID=3)>

**U.S. FY 2006 Energy Appropriations 5-25-05**

The House of Representatives passed their Energy & Water Development Appropriations bill last night. The House Committee Report that accompanies the bill includes a recommendation of \$83,953,000 for Solar Energy, the same as the President's request. The President's request for Solar Energy includes PV Energy Systems, Concentrating Solar Power, and Solar Heating & Lighting. From within these funds, the Committee recommends Congressionally Directed Projects, which include:

Rensselaer Polytechnic Inst. Syracuse Univ. "Green Building" (NY) \$1,000,000;

Alternative Renewable Energy Center, Crowder College (MO) \$1,000,000; Oregon

Nanoscience and Microtechnologies Institute (OR) \$1,500,000; Conductive Coating Solar

Cell Research Project (MA) \$1,500,000; Ultra Thin Film Photo Voltaic Charging System

(FL) \$1,000,000; Brightfield Solar Energy (MA) \$250,000; National Orange Photovoltaic

Demonstration (CA) \$250,000.

The Senate version of the bill is yet to be marked up.

**U.S. Energy Appropriations 5-24-05**

The FY 2006 Energy & Water Development Appropriations bill is being debated in the House today.

**U.S. FY 2006 Energy Appropriations 5-20-05**

The House Appropriations Committee marked up the Energy & Water Development Appropriations Bill on Wednesday. Per the Committee report, H. Rept. 109-86, the Committee recommendation for solar energy for fiscal year 2006 is \$83,953,000, the same as the budget request. The President's budget request included \$83,953,000 for Solar Energy with \$74,973,000 for PV Energy Systems, \$6,000,000 for Concentrating Solar Power, and \$2,980,000 for Solar Heating & Lighting. Within these amounts, the House Committee is recommending a number of Congressionally Directed Projects listed in a table (graphic to be attached) in the House report.

House Report (page 87 ff): <<http://thomas.loc.gov/cgi-bin/cpquery/T?&report=hr086&dbname=cp109&>>

**U.S. Comprehensive Energy Bill 5-20-05**

The Renewable Energy language for the Senate version of the Energy Bill is available at:

<[http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem\\_ID=3](http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem_ID=3)>

**FY 2006 Energy Appropriations 5-19-05**

The House Appropriations Committee marked up the Energy & Water Development appropriations bill Wednesday (H.R. 2419, H.Rept. 109-86), and details will follow. House floor action might occur next week. The Senate has not yet marked up its version of the bill.

**U.S., Energy Bill 5-18-05**

The Senate Energy and Natural Resources Committee is debating and voting on provision of the Senate's version of a comprehensive energy bill, with the mark up expected to extend to next week. Draft renewable energy titles might be available on Friday.

**U.S. FY 2006 Energy Appropriations 5-17-05**

The House Appropriations Committee meets May 18 to mark up the FY 2006 Energy and Water Development Appropriations Bill.

**U.S., FY 2006 Energy Appropriations 5-16-05**

The House Appropriations Committee is scheduled to mark up the FY 2006 Energy & Water Development appropriations bill on 18 May.

**U.S., FY 2006 Energy Appropriations 5-13-05**

Press on the House Energy & Water Development Appropriations Subcommittee marks for FY 2006 appropriations includes the following: "Energy Supply and Conservation programs are funded at \$1.8 billion, \$13 million above FY05 and \$44 million below the request." In previous years, renewables were funded from Energy & Water Development appropriations, and conservation programs were funded from Interior & Related Agencies appropriations. This year, both renewables and conservation are funded from EWD. Full Committee mark up is expected next week, with more detail to follow.

**U.S., Energy Bill 5-13-05**

The draft of titles in the Senate's version of an energy bill are available at:

<[http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem\\_ID=3](http://energy.senate.gov/public/index.cfm?FuseAction=IssueItems.View&IssueItem_ID=3)>

Example of Press:

<[http://today.reuters.com/news/newsArticle.aspx?type=topNews&storyID=2005-05-13T050700Z\\_01\\_N12305272\\_RTRIDST\\_0\\_NEWS-ENERGY-CONGRESS-DC.XML](http://today.reuters.com/news/newsArticle.aspx?type=topNews&storyID=2005-05-13T050700Z_01_N12305272_RTRIDST_0_NEWS-ENERGY-CONGRESS-DC.XML)>

**U.S. Energy Bill 5-12-05**

Senators Domenici and Bingaman have announced the mark up of 9 titles of a bipartisan energy bill on May 17-19, with draft language available this Friday. Press Release at:

[http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease\\_Id=234681](http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease_Id=234681)>

**U.S., FY 2006 Energy Appropriations 5-10-05**

The House Energy and Water Appropriations Subcommittee is scheduled to mark up the FY '06 energy and water development appropriations bill at 11 a.m. on Thursday, May 12, in 2362B Rayburn.

**U.S., Energy Bill 5-10-05**

According to Environment & Energy Daily [subscription], portions of the Senate energy bill could be made public as early as this week in advance of an effort to get the legislation to the Senate floor before the next Congressional recess that starts 27 May.

**Reports, Publications, Statements**

**Exxon Mobil Investments 5-31-05**

According to this article, despite the growing popularity of renewable energy sources, top competitors "dabble in it" and Exxon has shied away from investing in solar and wind energy. See the article at:

<http://www.theglobeandmail.com/servlet/ArticleNews/TPStory/LAC/20050531/IBWIND31/TPBusiness/International>>

**Pennsylvania's Renewables 5-26-05**

Said PPL Corporation Chairman William F. Hecht, by capturing the wisdom of a market-based approach, Pennsylvania's new renewable energy legislation provides an illustration that environmental improvements and economic growth not only can coexist, but actually are mutually dependent. Story at:

<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b5558c486-81d7-46d0-9963-d4ca0297ab52%7d&siteid=mktw&dist=nbk&syml=>>

**News from EPIA 5-26-05**

For the May 2005 EPIA newsletter, Solaris, covering national, international, and European news as well as upcoming events and other subjects, see:

[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=05&c\\_cat=7](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=05&c_cat=7)>

**California Solar Potential 5-26-05**

California has the technical potential for enormous amounts of PV according to a white paper from the California Energy Commission. Story at ReFocus:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=85480898&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=85480898&accnum=1&topics=>)

Report: <http://www.energy.ca.gov/2005publications/CEC-500-2005-072/CEC-500-2005-072-D.PDF>>

**Solar Photos, southern German town of Buerstadt: 5-25-05**

[http://story.news.yahoo.com/news?tmpl=story&u=/050524/ids\\_photos\\_wl/r3531389086.jpg](http://story.news.yahoo.com/news?tmpl=story&u=/050524/ids_photos_wl/r3531389086.jpg)>

[http://story.news.yahoo.com/news?tmpl=story&u=/050524/ids\\_photos\\_wl/r399512257.jpg](http://story.news.yahoo.com/news?tmpl=story&u=/050524/ids_photos_wl/r399512257.jpg)>

[http://story.news.yahoo.com/news?tmpl=story&u=/050524/ids\\_photos\\_wl/r530809988.jpg](http://story.news.yahoo.com/news?tmpl=story&u=/050524/ids_photos_wl/r530809988.jpg)>

**SEIA Support of Growth Plan for Solar 5-25-05**

Solar industry leaders are endorsing a legislative proposal that would cut the cost of solar power by half, create 50,000 new American jobs, and save US consumers more than \$15 billion on electricity and natural gas bills in the next decade, according to testimony before a congressional subcommittee on 24 March. For information, see:

<http://www.seia.org/>>

**EERE Network News [Kevin Eber] 5-25-05**

For the latest issue of EERE Network News, including coverage of silicon supplies, new technologies for the solar power industry, and the Tour de Sol Results, see:

<http://www.eere.energy.gov/news/>>

**More on Magnetek Inverter Award 5-25-05**

The Aurora™ indoor solar power inverter line from Magnetek Inc. has received the INTEL DESIGN AWARD as one of the 5 best designs at INTEL 2005. Press at:

<[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20050524005989&newsLang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050524005989&newsLang=en)>

Magnetek: <<http://www.alternative-energies.com/>>

#### **WorldWater & Power Update 5-25-05**

A company update on WorldWater & Power Corp. has been issued by Investrend Research Affiliate Beacon Equity Research analyst Shailesh Dhuri. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7563f1eb-1c8d-420f-ab2c-14e7cf698938%7d&siteid=mktw&dist=nbk&symb=>>

Beacon Equity Research: <<http://www.beaconequityresearch.com/>>

Investrend: <<http://www.investrend.com/default.asp?level=1>>

WorldWater & Power: <<http://www.worldwater.com/>>

#### **European PV Solar Electricity Market Perspectives [EPIA] 5-24-05**

According to first market statistics, the PV market worldwide jumped well above 1 GW in 2004, and growth in the European PV market was impressive. Said Dr. Hoffmann, president of the industry association, "We are expecting within the years to come still a considerable market growth and all actors within the value chain must prepare the supply". For more on "European PV Solar Electricity market growth perspectives by EPIA", see: <<http://www.epia.org/04Media/PressReleases.htm>>

#### **IEA Downloadable Publications [IEA Open Bulletin] 5-24-05**

For a list of downloadable publications from IEA, see the link at:

<<http://spider.iea.org/impagr/cip/index.htm>>. Publications include "Energy Technologies at the Cutting Edge", and "Technology Perspectives for Energy Policy", among others.

#### **Renewables Committee Workshop, California 5-23-05**

The California Energy Commission's Renewables Committee will conduct a workshop to seek public comment on proposed changes to the Emerging Renewables Program Guidebook, 1 June 2005. Information at: <[http://www.energy.ca.gov/renewables/02-REN-1038/notices/2005-06-01\\_workshop.html](http://www.energy.ca.gov/renewables/02-REN-1038/notices/2005-06-01_workshop.html)>

#### **Polysilicon Prices 5-23-05**

Per this article referenced in RenewableEnergyAccess, prices for polysilicon materials have jumped by about 25% in recent days amid ongoing shortages in the marketplace.

Story at: <<http://www.renewableenergyaccess.com/rea/news/story?id=30727>>

EETimes "Polysilicon prices jump amid severe product shortages":

<<http://www.eetimes.com/news/semi/showArticle.jhtml?articleID=163106032>>

#### **Interstate Renewable Energy Council Newsletter [Jane Pulaski] 5-20-05**

For the latest issue of IREC's Newsletter including schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification and other news see: <<http://www.irecusa.org/>>

#### **SunPower Corp. on Extreme Makeover 5-20-05**

For additional coverage of Extreme Makeover: Home Edition's episode featuring SunPower's solar panels, see the article at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6343695&ResultCategoryType=2,7&NewsPageID=3>>

SunPower: <<http://www.sunpowercorp.com/html/Company/About/aboutus.html>>

#### **RenewableEnergyStocks.com Interview 5-20-05**

RenewableEnergyStocks.com is presenting an online interview with Tom Djokovich, CEO of XsunX. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={E4F41EE8-54B9-4641-A350-B1525039888C}&siteid=mktw&dist=nbk&symb=>>

XsunX: <<http://www.renewableenergystocks.com/CO/XSNX/Default.asp>>

RenewableEnergyStocks:

<<http://www.renewableenergystocks.com/Companies/RenewableEnergy/ECONRenewableEnergy.asp>>



### **Nuclear Sector Assessment of Sustainability of Renewables 5-19-05**

For coverage of a report on sustainability of renewables, see ReFocus at:  
<[>](http://www-pub.iaea.org/MTCD/publications/PDF/Pub1222_web.pdf)

### **Extreme Makeover 5-19-05**

ABC's Extreme Makeover: Home Edition's 2-hour show on 22 May will highlight a renewable energy system. PV Powered along with Sun Power Corporation, Perfect Power, Unirac, and the Good Power Company were chosen to coordinate, design, and install a state-of-the-art 2-kW PV system for the home. Story at RenewableEnergyAccess: <[>](http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=30195)

### **San Onofre Repairs or Solar? 5-18-05**

According to this article, many, but not all, of those who spoke at a town hall meeting on proposed repairs at the San Onofre Nuclear Generation Station would prefer that the commission deny Southern California Edison's request and invest in renewable energy sources such as solar power and wind energy. Said one of the speakers, if 18% of the rooftops in San Diego County were covered with solar panels, there would be no need for San Onofre. Story at: <[>](http://www.nctimes.com/articles/2005/05/18/news/coastal/22_54_165_17_05.txt)

### **Green Energy 5-18-05**

According to this article, "Long relegated to the margins of the investment world, 'green' investing has had something of a coming-out party this month". See the press at: <[>](http://www.marketwatch.com/news/story.asp?guid=%7bE67171BA-BFDF-4489-8EEE-CDA2D5CFC9F4%7d&siteid=mktw)

### **BP on Solar 5-18-05**

For BP's press, "Solar power on the rise", see: <[>](http://www.bp.com/genericarticle.do?categoryId=9002555&contentId=7006179). Said Steve Westwell, Head of BP Solar and Group Vice President in the International BP Group, many of the signs are already visible today that "solar power has an immense growth potential for the future - due to technological progress and therefore greater efficiency in transforming the energy inherent to sunlight. At the same time, prices will fall as the market penetration increases, demand grows and targeted support is provided by marketing and legislation."

### **Solar Energy Payback 5-17-05**

For coverage of an NREL PV Fact Sheet, "What is the energy payback for PV", by ReFocus, see the article at: <[>](http://www.sparksdatab.co.uk/refocus/fp_showdoc.asp?docid=45660037&accnum=1&topics=>PV FAQs: <<a href=)  
ReFocus Latest News: <[>](http://www.sparksdatab.co.uk/refocus/newsdesk.asp?accnum=1)

### **Ecomagination 5-16-05**

For RenewableEnergyAccess' RE Insider article on "Ecomagination: Inside GE's Power Play", by Joel Makower, see: <[>](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aNb9fAu8hpu7?id=29810)  
. Per the article, "For GE, the fifth-largest U.S. company, it represents a strategic shift that could catalyze competition among some of the world's largest companies to accelerate the emerging clean-tech economy." Makower: <<http://www.makower.com/>>  
GE Ecomagination: <[>](http://ge.ecomagination.com/@v=051305_1734@/index.html)

### **Green Building in Marin, California 5-13-05**

For an article on green building in Marin, California, with reference to Sun Power & Geothermal Energy's booming business, see: <[>](http://www.marinij.com/Stories/0,1413,234~24407~2851019,00.html)  
Sun Power & Geothermal Energy: <[>](http://www.sunpowergeothermal.com/press_room.html)

### **IREC Interconnection Newsletter [Rusty Haynes] 5-13-05**

The May 2005 IREC Interconnection Newsletter is available at <[>](http://www.irecusa.org/connect/enewsletter.html). The newsletter covers state,

national and international developments in interconnection and distributed generation, as well as industry news, publications, people and events.

**Konarka on Red Herring List 5-13-05**

Konarka Technologies announced it has been named one of the Red Herring 100 Private Companies of North America, for the second consecutive year. Red Herring's list of private companies is part of the magazine's tradition of identifying new and innovative technology companies and entrepreneurs. Story at:

<[Red Herring: <<http://www.redherring.com/>>](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={5BABC5DE-7B60-43C6-B8C7-323D178499A3}&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

Konarka: <<http://www.konarka.com/>>

**Additional Coverage of "Global Brightening" 5-12-05**

For additional coverage of the "global dimming" - "global brightening" debate, see the article "Can Earth take the heat of 'global brightening'?" at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6270392&ResultCategoryType=2,7&NewsPageID=3>>

**Socially Responsible Dollars 5-11-05**

"Companies aren't just changing their business practices so as not to do harm to the environment, but they are profiting from putting out there more socially responsible products" says Tim Smith, director of socially responsive investing for Walden Asset Management in Boston. For more on this subject, including reference to GE's recent announcement, see the article at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6236167&ResultCategoryType=2,7&NewsPageID=3>>

**Designing the Future 5-11-05**

For a Newsweek article covering an interview with a leading ecological architect - William McDonough - whose goal is eliminating waste and pollution, with references to solar potential, see: <<http://www.msnbc.msn.com/id/7773650/site/newsweek/>>

**PV Manufacturer Shipments 2004-2005 [Paula Mints] 5-11-05**

Photovoltaic Manufacturer Shipments 2004-2005, available from Strategies Unlimited, is an in-depth look at the supply side of the PV industry, with analysis of shipments and capacity providing insight into industry trends. Worldwide shipments of PV cells and modules surged by 54% to over 1 Gigawatt in 2004, and a CAGR of 43% for the last 5 years. However, key issues for the future involve the silicon feedstock shortage, and reports of sold-out conditions well into 2006. Information at Strategies Unlimited:

<[http://su.pennnet.com/report\\_display.cfm?rep\\_id=164](http://su.pennnet.com/report_display.cfm?rep_id=164)>

**More on Silicon Shortage [Herb Hayden] 5-10-05**

For the article "Solar industry losing power" in the East Valley Tribune, Arizona, regarding the soaring price of polysilicon, see:

<<http://www.eastvalleytribune.com/index.php?sty=40965>>

**Solar Future 5-9-05**

Solar power holds the best promise for a clean, reliable energy source in the 21<sup>st</sup> Century, said Yoshihiro Hamakawa, advisor professor to the chancellor at Ritsumeikan University in Shiga, Japan, while delivering a lecture after he received the 2005 Karl Boer Solar Energy Medal of Merit at the University of Delaware. Story at:

<<http://www.emptywells.com/modules.php?op=modload&name=News&file=article&sid=184&mode=thread&order=0&thold=0>>

University of Delaware press: <<http://www.udel.edu/PR/UDaily/2005/feb/boer021605.html>>

**Research & Markets on Energy and Environmental Technologies 5-6-05**

Research and Markets announced the addition of "New Materials R&D and Commercialization Current Status and Future Directions" to their offering. This report on Energy and Environmental Technologies is a review of research and commercialization of new materials and materials chemistries in the U.S., including nanotechnology. The technologies discussed include solar cells. Press at:

<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6145236&ResultCategoryType=2,7&NewsPageID=3>

Research and Markets:

<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eresearchandmarkets%2Ecom%2Freports%2Fcl17060&template=2,2>

#### **More on "Global Brightening" and "Global Dimming" 5-6-05**

For the continuing debate on global brightening or dimming, see the article at:

[http://www.scienceagogo.com/news/20050405170933data\\_trunc\\_sys.shtml](http://www.scienceagogo.com/news/20050405170933data_trunc_sys.shtml)

#### **Interstate Renewable Energy Council Newsletter [Jane Pulaski] 5-6-05**

For the latest issue of IREC's newsletter with headlines on schools going solar, interconnection/net metering, incentives/rebates, community outreach, training/certification and other topics, see IREC at: <http://irecusa.org/>

#### **New Energy Finance Survey 5-5-05**

New Energy Finance surveyed 3,500 organizations and identified 300 startups that were active in various aspects of the clean energy industry. Of these 300, 157 were in the U.S., 44 in Canada, and 75 were in Europe. Of 1,338 companies active in the energy industry, 335 were involved in solar. More on this survey at ReFocus:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=44216555&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=44216555&accnum=1&topics=>)

New Energy Finance: <http://www.newenergyfinance.com/>

#### **Impact of Efficiency and Renewables on Natural Gas Markets 5-5-05**

The American Council for an Energy Efficient Economy has released its update report "Impacts of Energy Efficiency & Renewable Energy on Natural Gas Markets: Updated & Expanded Analysis". Story, and link to the report, at ReFocus:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=38747805&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=38747805&accnum=1&topics=>)

ACEEE: <http://www.aceee.org/>

#### **More on Benefits of Solar PV 5-5-05**

For additional coverage of the ASPV's analysis submitted to the California Public Utilities Commission on the multiple benefits of PV, see ReFocus at:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=67715090&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=67715090&accnum=1&topics=>)

Americans for Solar Power: <http://www.forsolar.org/>

#### **California Solar Potential 5-5-05**

Says Bernadette Del Chiaro of Environment California Research & Policy Center and co-author of "Bringing Solar To Scale: California's Opportunity to Create a Thriving, Self-Sustaining Residential Solar Market", "The biggest roadblock to solar power becoming as mainstream as McDonald's is its price tag. By driving up demand, California can catapult solar power from the backwoods boutique of the 70's to having its own aisle at Home Depot." Story, and link to the report, at ReFocus:

[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=72823733&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=72823733&accnum=1&topics=>)

Environment California: <http://www.environmentcalifornia.org/>

#### **"Nanomaterials for Next-Generation Energy Devices" 5-4-05**

For information on the report, "Nanomaterials for Next-Generation Energy Sources", with coverage of Greatcell, Konarka, and others, see:

<http://www.nanotechweb.org/articles/news/4/5/2/1>

TechnologyTracking: <http://www.technology-tracking.com/>

#### **Secretary of Energy Bodman with IEA 5-4-05**

Speaking at the International Energy Agency ministerial in Paris, Secretary of Energy Samuel Bodman called for more international efforts to develop coal as an alternative energy source. Said Bodman, wider use of coal would "help relieve some of the pressure on oil markets and natural gas markets." Per the article, the European Union also plans to invest in clean coal research, in addition to plans to increase the share of renewable energy sources to 22% of all electricity generated by 2010. Press at:

<http://www.nasdaq.com/aspxcontent/NewsStory.aspx?cpath=20050503\ACQDJON200505031438DO WJONESDJONLINE000668.htm&selected=9999&selecteddisplaysymbol=9999&StoryTargetFrame=to p&mkt=WORLD&chk=unchecked&lang=&link=&headlinereturnpage=http://www.international.na>

#### **Solar Forum Presentations Online 5-4-05**

Solar Forum presentations from the February 2005 event in California are available online and include the CEC Rebate Program, Self Generation Program update, State Solar Policy, Zero Energy Homes, and others. See the site at:

<<http://www.californiasolarcenter.org/solarforum.html>>. For more news from the California Solar Center, see Solar e-Clips at:  
<<http://www.californiasolarcenter.org/solareclips/solareclips.html>>

#### **Near-Zero-Energy House 5-4-05**

For an article on "The Near-Zero-Energy House" in Solar Today, see the article at:  
<[http://www.solartoday.org/2005/may\\_june05/ZEH.htm](http://www.solartoday.org/2005/may_june05/ZEH.htm)>

#### **XsunX Featured 5-4-05**

XsunX, Inc. announced that an on-line interview with the company's CEO, Tom Djokovich, is available for listening at the WallStreetReporter. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b15BF0725-6B17-44A4-8DF6-A93EBA5B76F0%7d&siteid=mktw&dist=nbk&symb=>>

WallStreetReporter: <<http://www.wallstreetreporter.com/profiles/XSUNX.html>>

XsunX: <<http://www.xsunx.com/>>

#### **More on The Woods Hole Green Building Monitoring [Kevin Eber] 5-4-05**

For more on "From Photovoltaics to Solar Thermal Collectors: Evaluating and Improving Innovative Green Design", see The Woods Hole site at:

<[http://www.whrc.org/pressroom/press\\_releases/PR-2005-05-02-building.htm](http://www.whrc.org/pressroom/press_releases/PR-2005-05-02-building.htm)>

#### **Green Building Monitoring 5-3-05**

Having inhabited its new green headquarters for the first year, The Woods Hole Research Center is addressing energy performance and making the information publicly available. In the first year, the PV system provided 34% of the facility's total energy requirements. Story at: <<http://www.physorg.com/news3941.html>>

#### **Solar Energy Complement to Natural Gas 5-3-05**

Says Laurence Downes, chairman and chief executive officer of New Jersey Resources and New Jersey Natural Gas, "Using renewable energy sources makes an important contribution to wise consumption of our natural resources. The more renewable energy we use, such as wind and solar power, the greater our ability to reduce the strain on current powering systems and conserve our resource supplies." For the story, including PV activity, see:

<<http://www.app.com/apps/pbcs.dll/article?AID=/20050503/OPINION/505030331/1030>>

#### **Polysilicon Market Assessment [Bob Johnson] 5-3-05**

A 190 page Polysilicon Market Assessment by Bob Johnson, SolarInsights, and Richard Winegarner, Sage Concepts, has been completed and is now in printing. The report provides an in-depth analysis of semiconductor and photovoltaic industries, and, in particular, the make-up and capability of the polysilicon industry. A key finding is that limitation of polysilicon material is about to cause a significant reduction in PV industry growth. The "opportunity cost," of this reduction will range from \$13 Billion to \$39 Billion in module revenues (\$32 Billion to \$94 Billion in PV system revenues) during 2005 - 2010, based on PV market demand scenarios ranging from business as usual (CAR 21%) to energy transition (CAR 41%). For further details and a proposal on this study priced at \$10,000, contact Richard Winegarner, Sage Concepts T-707-431-1183, winerich@aol.com.

#### **Re-energize America 5-2-05**

For information about Re-energize America - leaders calling for national commitment to reduce oil dependence by pursuing clean energy technologies, cleaner cars, and renewable energy sources - see:

<<http://www.nrdc.org/media/pressreleases/050418.asp>>

<<http://www.reenergizeamerica.org/media/newvoices.html>>

Re-energize America: <<http://www.reenergizeamerica.org/>>

**PV Manufacturing Conference Presentations Online [EPIA] 5-2-05**

Presentations and videos from the 1<sup>st</sup> International Advanced Photovoltaic Manufacturing Technology Conference held in Munich at SEMICON Europa 2005 are online at the EPIA website. See: <[http://www.epia.org/08Events/Events\\_SEMICON2005.htm](http://www.epia.org/08Events/Events_SEMICON2005.htm)>

**Solicitations, RFPs, LOIs, etc. & Awards**

**USDA Renewables Grants 5-26-05**

Changes to the USDA's title 9006 program for rural agricultural use of renewable energy are aimed at bringing in more solar projects. Said Andy Olsen, Policy Advocate for the Environmental Law and Policy Center and a consultant to the USDA, "New rule changes this year should improve the odds for solar applications. We sought and won rule changes in 2005 that help solar projects. This program could help close the sale for rural solar energy projects, but there's only one month left to act". For the story and Tips for Successful Applications, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=31154>>

USDA Rural Development: <<http://www.rurdev.usda.gov/rbs/farbill/>>

**Renewable Energy Certificates 5-16-05**

The Western Area Power Administration's Rocky Mountain Region issued an RFP to buy more than 70,700 MWh of renewable energy certificates for 7 federal facilities in the west. Information at: <<http://www.wapa.gov/rm/April%202005%20RFP.htm>>

**San Francisco RFP 5-16-05**

The San Francisco Public Utilities Commission has issued a request for proposals from design/builders to assist with the design, supply, installation, and commissioning of fully integrated and operational PV plants at 10 sites. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR504.htm>>

SFPUC RFP:

<<http://sunset.ci.sf.ca.us/pbids.nsf/a49718d019f75bc288256b6f00632403/82b1782e8776a7b1882570000002eefe?OpenDocument>>

**Sierra Pacific Resources RFP for Renewable Energy 5-13-05**

Sierra Pacific Resources announced that its two Nevada-based utility subsidiaries have issued a Request for Proposals for energy and credits generated by renewable energy fuel sources. Sierra Pacific Resources is seeking renewable proposals totaling approximately 200 MW of wind, geothermal, hydro, biomass, reverse polymerization and biogas, and 70 MW of solar. Information at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b3C05484A-5B01-4B53-B3B0-8A3647A391C8%7d&siteid=mktw&dist=nbk&symb=>>

Sierra Pacific Resources: <<http://www.sierrapacific.com/company/renewables/>>

Additional Press: <[http://www.reviewjournal.com/lvrj\\_home/2005/May-13-Fri-2005/business/1613705.html](http://www.reviewjournal.com/lvrj_home/2005/May-13-Fri-2005/business/1613705.html)>

**GATE Awards 5-11-05**

The Glenn Alliance for Technology Exchange (GATE) is a collaboration of NASA Glenn Research Center, Ohio Aerospace Institute, and Battelle's Great Lakes Industrial Technology Center. GATE recently announced the winners of its Partnership Award Competition, including an award to Essential Research, Inc. to use NASA expertise to develop a new quantum dot PV test laboratory to better serve its customers. Press at:

<<http://biz.yahoo.com/prnews/050511/clw046.html?v=11>>

**Pennsylvania Farm Solar 5-3-05**

The Wrightstown Township Board of Supervisors approved advertising for bids to install a solar electric system at the Anchor Run Farm. The Department of Environmental Protection's Energy Harvest Grant awarded almost \$20,000, and the Sustainable Development Fund Solar PV Grant contributed \$25,000 to the \$45,000 project. Story at:

<<http://www.phillyburbs.com/pb-dyn/news/111-05032005-484224.html>>

Pennsylvania Energy Harvest:

<<http://www.dep.state.pa.us/dep/deputate/pollprev/ehg/default.htm>>

Sustainable Development Fund:

<[http://www.cleanenergystates.org/Funds/program.php?prog\\_id=12](http://www.cleanenergystates.org/Funds/program.php?prog_id=12)>

## Competitions

### **Virginia Tech Solar House 5-31-05**

Virginia Tech students are currently building a solar-powered house that will compete in the 2005 Solar Decathlon. The Virginia Tech team is a collaborative of students and faculty from the College of Architecture and Urban Studies and the College of Engineering. Story at: <<http://www.newswise.com/articles/view/512203/>>  
Virginia Tech Decathlon site: <<http://vtsolar.arch.vt.edu/>>  
Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

### **Solar Car Race 5-25-05**

Held in Kansas 15-20 May, the Hybrid Technologies sponsored CalSol-Berkeley solar racecar placed 3<sup>rd</sup> in the stock class and 4<sup>th</sup> overall out of 30 competing cars. The Hybrid-Berkeley completed over 175 laps totaling 368 miles in the Formula Sun Grad Prix. Over the past 8 months, Hybrid Technologies has been working with the solar car engineering team at UC Berkeley to create a high performance solar/lithium hybrid vehicle. More on this story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b8FD2D11B-FA4E-47E7-AEF3-321F6D6E8746%7d&siteid=mktw&dist=nbk&symb=>>  
CalSol: <<http://www.me.berkeley.edu/calsol/>>  
Hybrid Technologies: <<http://www.hybridtechnologies.com/>>

### **Solar Car 5-24-05**

Northwestern's solar car was unveiled outside the Technological Institute as part of Energy Day at NU, an event organized by the NU Solar Car Team, Engineers for a Sustainable World, and the Society of Women Engineers. The solar car team will compete in the North American Solar Challenge this summer. Story at:  
<<http://www.dailynorthwestern.com/vnews/display.v/ART/2005/05/24/4292bc977f8e1>>  
North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

### **Solar Car - Canada 5-23-05**

Final touches are being made to Marcelo da Luz's dream car at his Toronto garage and at a workshop at Seneca College before he and his team head out across Canada this summer. They hope to set a solar car world distance record. Story at:  
<[http://news.yahoo.com/news?tmpl=story&u=/cpress/20050523/ca\\_pr\\_on\\_tc/life\\_focus\\_solar\\_car\\_1](http://news.yahoo.com/news?tmpl=story&u=/cpress/20050523/ca_pr_on_tc/life_focus_solar_car_1)>

### **Solar Home at Crowder College, Missouri 5-23-05**

A house on the Crowder College campus gets 100% of its energy from solar. The solar-powered house was designed and built by students for a solar home competition in 1992, and a new group of students is building another solar house on campus for the competition in Washington, DC in the fall. Story through RenewableEnergyAccess  
<<http://www.renewableenergyaccess.com/rea/news/story?id=30725>>  
at: <<http://www.news-leader.com/today/20050520-Ozarksharnesses.html>>  
Crowder College Solar: <<http://www.crowder.edu/solar/index.html>>

### **Business Plan Competition 5-20-05**

Second place was awarded to All Best Materials in the UC Davis Business Plan Competition for a solar energy technology. Team members are alumni John and Brian Argo; Ruxandra Vidu, a former UC Davis researcher; doctoral candidate Jie-Ren Ku; and engineering professor Pieter Stroeve. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=6343508&ResultCategoryType=2,7&NewsPageID=3>>

### **More on Solar BikeRayce 5-19-05**

The University of Montana will race its "Ra Fury" in the 100-km Solar BikeRayce in Topeka, Kansas this weekend. Story at:  
<<http://www.missoulain.com/articles/2005/05/19/news/mtregional/news09.txt>>  
Solar BikeRayce USA: <<http://www.solarbike.org/>>

### **American Solar Challenge 5-18-05**

For the team descriptions, schedule, photos, and other event information on the American Solar Challenge, see the website at:



<<http://americansolarchallenge.org/photos/>>. The preliminary scrutineering/qualifier in Topeka, Kansas is set for 16-20 May 2005.

#### **Solar Bike Racing 5-18-05**

The Newburgh Free Academy Solar Racing Team took first place in the Tour de Sol in Saratoga, and now goes to Kansas to compete in the Formula Sun Solar Bike Race.

Press at:

<[http://www.midhudsonnews.com/News/NFA\\_solar-18May05.htm](http://www.midhudsonnews.com/News/NFA_solar-18May05.htm)>

Tour de Sol: <<http://www.nesea.org/transportation/tour/>>

Solar Bike Race: <<http://www.solarbike.org/event/sbr2005/logistics/schedule.html>>

Formula Sun Education Foundation: <<http://foundation.formulasun.org/>>

#### **Solar Boat Race 5-16-05**

A solar-powered boat built by a team from Canyon High School of Anaheim, California, won the MWD Solar Cup 2005, beating boats from 27 other high schools in the 3-day event. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7353A067-D5A5-4839-B1F7-6030336128F7%7d&siteid=mktw&dist=nbk&symp=>>>

Solar Cup 2005: <[http://www.mwdh2o.com/mwdh2o/pages/education/solar\\_cup\\_01.html](http://www.mwdh2o.com/mwdh2o/pages/education/solar_cup_01.html)>

#### **Cal Poly in the Solar Decathlon 5-13-05**

Cal Poly will represent California in the 2005 Solar Decathlon set for October in Washington, DC. Cal Poly's entry was unveiled on campus May 12. Press at:

<[http://calpolynews.calpoly.edu/news\\_releases/2005/may\\_05/solar\\_decathlon\\_release.htm](http://calpolynews.calpoly.edu/news_releases/2005/may_05/solar_decathlon_release.htm)>

Cal Poly: <<http://solardecathlon.calpoly.edu/Main%20page.htm>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

#### **Solar Car Race 5-11-05**

A team of 15 Southern Illinois University Edwardsville Engineering students will race their solar-powered "Cougar Cruiser" in the North American Solar Challenge. Story at: <[http://www.goedwardsville.com/site/news.cfm?newsid=14506954&BRD=2291&PAG=461&dept\\_id=473648&rfti=6](http://www.goedwardsville.com/site/news.cfm?newsid=14506954&BRD=2291&PAG=461&dept_id=473648&rfti=6)>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Solar Cup 5-10-05**

Teams of students at 30 Southland high schools are getting their boats ready for the Solar Cup competition on Lake Skinner near Temecula, California, sponsored by the Metropolitan Water District and its member water agencies. For more on this competition, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b111C7A78-A9EB-48F4-BF55-D0A23CD3CD32%7d&siteid=mktw&dist=nbk&symp=>>>

Solar Cup Website: <[http://www.mwdh2o.com/mwdh2o/pages/education/solar\\_cup\\_01.html](http://www.mwdh2o.com/mwdh2o/pages/education/solar_cup_01.html)>

#### **Solar Olympics 5-10-05**

For coverage of the 9<sup>th</sup> Annual Solar Olympics at the University of Wisconsin-Green Bay, see the articles at:

<[http://www.greenbaypressgazette.com/news/archive/local\\_20966444.shtml](http://www.greenbaypressgazette.com/news/archive/local_20966444.shtml)> and

<<http://www.gogreenbay.com/page.html?article=131397>>. The Olympics are part of the Wisconsin Public Service SolarWise for Schools renewable energy program.

WPS SolarWise: <<http://www.wpsr.com/community/solarwise.asp>>

#### **Solar Decathlon 5-3-05**

In a few weeks, students at UMass Dartmouth will start construction of their solar-powered house to compete in the U.S. Department of Energy's Solar Decathlon. Said Dr. Gerald Lemay, the project leader, "It's a real public and real difficult project, and it provides an educational experience that is unmatched." The team plans to donate the house to Habitat for Humanity in the Washington, D.C. area. Story at:

<<http://www.southcoasttoday.com/daily/05-05/05-03-05/a01lo560.htm>>

University of Massachusetts Dartmouth Solar Decathlon: <<http://www.umassd.edu/solar/>>

2005 Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

## Additional

### **Power Line Project 5-31-05**

Nevada environmentalists are creating a coalition across the Great Basin to ensure that a proposed 1,300-mile electric transmission line reserves space for renewable energy. Story through RenewableEnergyAccess at:

<[http://www.rgj.com/news/stories/html/2005/05/22/100095.php?sps=rgj.com&sch=LocalNews&sp1=rgj&sp2=News&sp3=Local+News&sp5=RGJ.com&sp6=news&sp7=local\\_news](http://www.rgj.com/news/stories/html/2005/05/22/100095.php?sps=rgj.com&sch=LocalNews&sp1=rgj&sp2=News&sp3=Local+News&sp5=RGJ.com&sp6=news&sp7=local_news)>

### **National Interconnection 5-18-05**

The Federal Energy Regulatory Commission issued standard procedures for the interconnection of generators no larger than 20 MW. The rule is expected to increase the number and types of new generators available in the electric market, including development of distributed and renewable energy projects. Story at

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=30151>>

### **EUROSOLAR Prizes 5-18-05**

EUROSOLAR announced they are accepting submissions for the National and European Solar Prizes for 2005. The organization awards the prizes to municipalities, municipal enterprises, individuals, engineers, architects, owners of installations using renewable energies, and organizations who provided outstanding service to the use and promotion of renewable energy. Story and link to more information at

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=30148>>

EUROSOLAR: <<http://www.eurosolar.org/new/en/home.html>>

### **Million Soar Roofs Call for Nominations 5-16-05**

Nominations are being accepted for the 2005 Million Solar Roofs Partnership and Individual Awards. Any DOE-recognized funded or unfunded partnership or individual who has contributed to MSR's goal of installing solar systems on one million rooftops by 2010 can be nominated for this awards. Press in the SEIA e-newsletter. See:

<[http://www.millionsolarroofs.org/articles/static/1/1114021360\\_1023713684.html](http://www.millionsolarroofs.org/articles/static/1/1114021360_1023713684.html)>

SEIA: <<http://www.seia.org/>>

**Scotland, Solar Power for Computers 4-6-05**

Solar panels will power dozens of computers at a city university campus, a project billed as the largest of its kind in Scotland. The panels will cover an area of 160 square meters on the side of the Jack Kilby Centre. A display board showing students and visitors how much energy is being produced is also planned. Story through Solarbuzz at: <http://edinburghnews.scotsman.com/edinburgh.cfm?id=363002005>

**Northern Power Systems for New York Center 4-7-05**

Northern Power Systems has received a grant from the New York State Energy Research and Development Authority to construct and install a PV system at the Black Rock Forest Consortium's Center for Science and Education in Cornwall, New York. The design of Northern Power's 24-kW PV system will provide electricity to the site and is expected to offset almost 50% of the building's electrical load. Story at:

<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2.2&NewsID=5549222&ResultCategoryType=2.7&NewsPageID=3>

Northern Power Systems:

<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Enorthernpower%2Ecom&template=2.2>

**Massachusetts Innovation Center Solar 4-8-05**

"It's about sustainability and being responsible", said Massachusetts Innovation Center operations officer Karen Sawyer about installation of solar panels delivered by Solar Design Associates. The project is part of MIC's continuing efforts to promote energy efficiency and sound environmental practices throughout the region, said Sawyer. Story through Solarbuzz <http://www.solarbuzz.com/index.asp>

at: [http://www.sentinelandenterprise.com/local/ci\\_2644801](http://www.sentinelandenterprise.com/local/ci_2644801)

Solar Design Associates: <http://www.solardesign.com/>

**Malaysia, Solar Hybrid Stations 4-8-05**

The government has allocated RM 27 million from the Electricity Supply Industry Trust Fund Account to set up "Solar Hybrid" stations at Orang Asli settlements in Perak, Kelantan, Pahang, Johor and the interiors of Sabah to provide power supply for 24 hours. Story through Solarbuzz at:

[http://www.bernama.com/bernama/v3/news\\_lite.php?id=128178](http://www.bernama.com/bernama/v3/news_lite.php?id=128178)

**Solectria Renewables' Technology at MIT [Solectria press] 4-8-05**

Solectria Renewables announced the installation of its solar integrated PV inverter at the Massachusetts Institute of Technology's Hayden Memorial Library in Cambridge, Massachusetts. Solectria Renewables:

<http://www.solren.com/news/7Apr05.html>

<http://www.solren.com/>

**New Haven, Connecticut Solar Project 4-11-05**

Per this article, New Haven officials and the Connecticut Clean Energy Fund are announcing what they are calling the largest solar power project in Connecticut. The solar power system at the Barnard Environmental Magnet School will provide 16% of the school's electricity and save the school district \$300,000 over the life of the system. Press at:

<http://www.nbc30.com/technology/4365624/detail.html>

**Long Island, New York Solar Installation 4-11-05**

The Long Island Power Authority and the Town of Hempstead has dedicated Long Island's first roof-top solar installation on a municipally owned and operated building. Story and photo at Solarbuzz:

<http://www.solarbuzz.com/News/NewsNAPR482.htm>

**More on New Haven, Connecticut Solar Project 4-12-05**

Said New Haven Mayor John DeStefano, "We're gonna have the biggest solar project in the state creating 80-kilowatts of energy, which equals all the commercial solar generated power in the State of Connecticut right now." For additional coverage of the PV installation at the Barnard Environmental Magnet School in New Haven, see the story through Solarbuzz at: <http://www.wtnh.com/Global/story.asp?S=3191759> and press at

<http://www.yaledailynews.com/article.asp?AID=29182>

**More on Northern Power Systems PV in New York 4-12-05**

The New York State Energy Research and Development Authority gave Northern Power Systems of Vermont a grant to construct and install a solar PV system at the Black Rock Forest Consortium's Center for Science and Education in

Cornwall, New York. For the story, see RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=24891>>  
Northern Power Systems: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=2864>>

#### **PV at Organic Farm, California 4-13-05**

In February, a 17-kW PV array was installed at the Full Belly Farm in Guinda, California. The system comprises 90 Kyocera KC-187 PV modules, and will provide for most or all of the farm's electrical needs. The system includes 3 SMA Sunny Boy inverters and a UniRac mounting system. It was supplied by Sierra Solar Systems of Grass Valley, California, and installed by Jerry Shafer of Affinity Energy in Winsor, California. Information at:

<<http://www.earthtoys.com/news.php?section=view&id=688>>  
Sierra solar Systems: <<http://www.sierrasolar.com/index.html>>  
SMA: <<http://www.sma-america.com/index.aspx>>  
UniRac: <<http://www.unirac.com/>>

#### **Pennsylvania Solar 4-14-05**

Installation of solar panels was scheduled to begin April 12 at the Indiana Township municipal complex using a \$64,000 Energy Harvest Grant the Middle Allegheny Valley Streams Alliance received from the State Department of Environmental Protection. Story at: <<http://www.post-gazette.com/pg/05103/487145.stm>>

#### **Multi-Megawatt Solar Parks in Spain 4-18-05**

The Regional Economic Community Council is planning a project to construct a multi-Megawatt solar park in the Madrid region. The 3.5 MW project is to be extended progressively, eventually reaching 5.5 MW. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR206.htm>>

#### **Spire Solar Chicago [Sheryl Einarson] 4-21-05**

Spire Corporation announced it has commissioned a 110-kW PV system for Cook County's new Domestic Violence Courthouse. The Courthouse will be the County's first flagship LEED certified "green building", with the PV system designed to supply over 5% of the building's electricity demand. Press at SPIRE: <<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-SingleRelease&t=Regular&id=698871&>>

#### **PowerLight Solar Power Projects, Alameda County [Susan DeVico] 4-21-05**

As part of its Earth Day Celebration, the Alameda County Board of Supervisors today dedicated 1.1 MW of new solar arrays located at facilities throughout Alameda County. PowerLight built these projects, which feature solar electric rooftop and solar tracking carport systems. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR487.htm>>  
Press at PowerLight: <<http://www.powerlight.com/company/press-releases/2005/04.21.05-alameda.shtml>>

#### **80 MW PV Park in Germany 4-22-05**

In the eastern German state of Saxony, City Solar AG plans to install 80 MW of solar power. In addition to City Solar, Voltwerk AG, a subsidiary of Conergy Group, will also participate in the project. Story at Photon International:

<[http://www.photon-magazine.com/news/news\\_2005-04%20eu%20sn%20Brandis.htm](http://www.photon-magazine.com/news/news_2005-04%20eu%20sn%20Brandis.htm)>  
City Solar AG: <<http://www.city-solar-ag.de/eng/pag.htm>>  
Voltwerk: <<http://www.voltwerk.de/en/index.php?&ID=0&language=en>>

#### **Solar at Maine State House 4-22-05**

On the eve of the 35<sup>th</sup> anniversary of Earth Day, Gov. John Baldacci took part in a ceremony marking the installation of a solar array at Maine's State House. Stories at: <<http://news.mainetoday.com/apwire/D89KDG1G0-111.shtml>>  
<<http://www.wcsh6.com/home/article.asp?id=22000>>

#### **Solar in San Diego Schools, California 4-25-05**

Roofs that generate solar electricity are covering San Diego schools in a project that Solar Integrated Technologies and GE Commercial Finance Energy Financial Services announced. A total of 14 San Diego Schools expect the new solar roofing systems to be operational in the next few weeks, followed by additional installations over the next 2 years. After an initial investment of \$17 million, GE Commercial Finance Energy Financial Services has the right of first refusal on up to \$500 million to fund existing and prospective solar roofing projects as they come from Solar Integrated. For more on this relationship, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNAPR489.htm>>  
GE Commercial Finance Energy Financial Services: <<http://www.geenergyfinancialservices.com/>>  
Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

#### **More on California State University Northridge Solar Electric System 4-25-05**

California State University received an incentive check for \$2.1 million from the Southern California Gas Company and the Los Angeles Department of Water and Power during a ceremony to dedicate the university's second solar

electric system. More than 2,800 solar panels were built on the southwest side of the Northridge campus, which are in addition to the more than 3,000 panels on CSUN's north side. For the story, see RenewableEnergyAccess at: <http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a3CaMJOY8CM6?id=26604>

#### **Solar-powered Community 4-25-05**

Covell Village homeowners will generate solar electricity from their roofs in a project intended to be the largest solar-electric neighborhood in the U.S. Press through Solarbuzz at: <http://californiaaggie.com/article/?id=8655>

#### **Wisconsin Solar Electric System 4-26-05**

The Urban Ecology Center has installed an 8-kW grid-connected solar electric system. The Center was able to install the system with technical assistance and a Cash-Back Reward from Wisconsin's Focus on Energy, Renewable Energy Program. H&H Electric of Madison installed the system. Story at Solarbuzz:

<http://www.solarbuzz.com/News/NewsNAPR490.htm>

Focus on Energy: <http://www.focusonenergy.com/>

Urban Ecology Center: <http://www.urbanecologycenter.org/>

#### **Desert Water Agency Solar Energy Plant in California 4-27-05**

Desert Water Agency switched on its new \$2.5 million, 350-kW (DC) solar energy plant. The ground-mounted solar electric system was designed and manufactured by Shell Solar Industries, with installation by SoCal Solar Energy Systems, Inc. Shell Solar utilized an innovative assembly method known as "panelization", whereby Shell Solar factory-assembled individual solar modules into very large "panels" at their Camarillo facility. Press at Shell Solar:

[http://www.shell.com/home/Framework?siteId=rw-br&FC2=rw-br/html/iwgen/news\\_and\\_library/press\\_releases/2005/zzz\\_lhn.html&FC3=rw-br/html/iwgen/news\\_and\\_library/press\\_releases/2005/s\\_desert\\_water\\_2604.html](http://www.shell.com/home/Framework?siteId=rw-br&FC2=rw-br/html/iwgen/news_and_library/press_releases/2005/zzz_lhn.html&FC3=rw-br/html/iwgen/news_and_library/press_releases/2005/s_desert_water_2604.html)

And stories at Solarbuzz:

<http://www.solarbuzz.com/News/NewsNAPR492.htm> and The Desert Sun:

<http://www.thedesertsun.com/apps/pbcs.dll/article?AID=/20050427/NEWS07/504270326/1006/NEWS01>

Two industrial solar inverters designed and manufactured by Xantrex are included in the system. "Shell Solar has been using Xantrex's commercial-scale solar inverters in our projects since 1995", said Kevin Mackamul, Director of Systems Engineering, Shell Solar Industries". Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=27722>

Xantrex: <http://www.xantrex.com/>

Desert Water Agency: <http://www.dwa.org/>

#### **More on Alameda County, California PV Dedication 4-27-05**

Alameda County in California dedicated 1.1 MW of recently installed PV arrays built by PowerLight. For press and photo, see RenewableEnergyAccess at:

<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=atSdOgGP5vm9?id=27706>

PowerLight: <http://www.powerlight.com/>

#### **Solar Parking Structure in Arizona 4-27-05**

The ASU Capital Programs Management Group designed and built a solar panel system for its Parking Structure 2, with a rebate from Arizona Public Service. Story through Solarbuzz at:

<http://asuwebdevil.com/issues/2005/04/26/news/693074>

#### **Largest Grid-connected Solar Power Project in China [Kevin Eber] 4-29-05**

With the support of the National High-technology Development Program, scientists and engineers from the CAS Institute of Electrical Engineering have recently completed a study on key technologies for megawatt-level building-integrated and grid-connected PV power generation. For the story and photo, see:

<http://english.cas.cn/eng2003/news/detailnewsb.asp?InfoNo=25461>

### **Technology Applications**

#### **SolarOne Solar/LED Technology [Moneer Azzam] 4-1-05**

SolarOne announced its new patent-pending SoLed™-mc<sup>2</sup>-Solar/LED lighting management system. This microprocessor-based system manages the balance between the key components in an autonomous solar-powered light. For information, see: <http://www.solarone.net/News/docs/pr050331.html>

SolarOne: <http://www.solarone.net/>

#### **Oklahoma, Zero Energy Home 4-1-05**

Ideal Homes of Norman, Oklahoma is building a zero-energy home, and nearby will be two other energy-saving homes for comparison. Said Vernon McKown, co-owner and president of sales, the Edmond home will have

uncommon features such as “the big one ... photovoltaics on the roof – basically, solar panels.” The Edmond home is a test of the concept, as well as the market. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5534863&ResultCategoryType=2,7&NewsPageID=3>>

#### **Wyoming, Solar and Wind Water Pumps 4-4-05**

Several Wyoming ranchers will soon benefit from a new solar- and wind-powered stock water pump that the state government is helping deploy across the state. Story through Solarbuzz at:  
<<http://www.casperstartribune.net/articles/2005/04/03/news/wyoming/a43a30c88938e90c87256fd5006d76c0.txt>>

#### **Solar Water Pumps 4-6-05**

Wyoming Governor Dave Freudenthal directed the state to take an active role in helping farmers and ranchers access solar-water pumping technology. Said Freudenthal, “My hope is that this new technology can help ranchers water their livestock using the means and areas that make the most sense for their operations.” The project is funded through the state’s petroleum violation fund, administered by the Wyoming Business Council. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story.jsessionid=a5W3FJm5HLNf?id=24564>>  
Wyoming Business Council: <<http://www.wyomingbusiness.org/home/index.cfm>>

#### **BP Solar Irrigation Systems 4-7-05**

Australian export credit agency The Export Finance and Insurance Corporation has finalized financing for BP Solar Pty Ltd’s \$A21.2 million project to supply 5,000 Australian-made, solar-powered drip irrigation systems to the Sri Lankan Ministry of Agriculture, Livestock, Land and Irrigation. Story through Solarbuzz at:  
<<http://asia.news.yahoo.com/050407/4/1yz2a.html>>

#### **New Solar LED Product [Stephanie Nardone] 4-7-05**

On 12 April 2005 at the International LightFair exhibit, SolarOne™ Solutions LLC will unveil a new solar electric overhead white LED light, the SoLed™ LX01 for pathway and park lighting. For more information, see:  
<<http://www.solarone.net/>>

#### **Universal Communication Systems “PV Solar Chargers” 4-18-05**

Universal Communication Systems, Inc.’s wholly owned subsidiary Solar Style, Inc. announced that the company will launch its new complete range of patented PV Solar Chargers for the consumer electronics market in May. Information at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bf2320B3B-DACA-40C5-A90D-2FF10044124C%7d&siteid=mktw&dist=nbk&symb=>>>  
Solar Style: <<http://www.solarstyleinc.com/>>

#### **Hydrogen Production Contract 4-28-05**

Toledo’s Midwest Optoelectronics LLC has been awarded a nearly \$675,000 contract to develop a small-scale manufacturing process for its patent-pending integrated PV electrolysis panel developed with the University of Toledo and others. News item at:  
<<http://www.toledoblade.com/apps/pbcs.dll/article?AID=/20050428/BUSINESS03/504280412>>



## Technology Developments

### **Dai Nippon Organic Solar Cell 4-1-05**

Dai Nippon Printing Co, Ltd has introduced an organic solar cell produced using a printing technique. Press through Solarbuzz <<http://www.solarbuzz.com/index.asp>> at: <<http://neasia.nikkeibp.com/dailynewsdetail/000899>>

### **Hydrogen Solar Funding 4-13-05**

Hydrogen Solar in the UK announced recent success in raising investor interest and backing for their efforts toward commercializing the company's "Tandem Cell™", converting light and water directly into hydrogen. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=24946>> <<http://www.hydrogensolar.com/>> <<http://www.hydrogensolar.com/April11.html>>

### **Electric Power Conversion Inverter 4-20-05**

Power Electronics & Magnetics Designers Association signed a license agreement with Virginia Tech Intellectual Properties, associated with Virginia Polytechnic Institute, to continue development of an electric power conversion inverter. PEMDA licensed exclusive rights for the technology's use with renewable energy power sources such as solar and wind. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5731141&ResultCategoryType=2,7&NewsPageID=3>>

### **Laminated Glass Modules with PVB [Photon International] 4-22-05**

Per this article, several module manufacturers are working on a comeback for PVB. Story at Photon International: <[http://www.photon-magazine.com/news/news\\_2005-04%20ww%20feat%20PVB%20foils.htm](http://www.photon-magazine.com/news/news_2005-04%20ww%20feat%20PVB%20foils.htm)> For the table of contents to the latest issue of Photon International, see: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-04.htm](http://www.photon-magazine.com/photon/news_issue_2005-04.htm)>

## Manufacturing

### **U.K., Solar Centre 4-6-05**

A research and manufacturing unit for solar cells is due to come on stream in the summer at the New and Renewable Energy Centre (Narec) in Blyth, Northumberland. Research will concentrate on the next generation of cells, which can be incorporated into roof or building cladding panels and also in walls and doors. Story through Solarbuzz at: <[http://icnewcastle.icnetwork.co.uk/0100news/thejournal/tm\\_objectid=15371023&method=full&siteid=50081&headline=sunrise-jobs-on-the-way-name\\_page.html](http://icnewcastle.icnetwork.co.uk/0100news/thejournal/tm_objectid=15371023&method=full&siteid=50081&headline=sunrise-jobs-on-the-way-name_page.html)>

### **Spire PV Module Manufacturing Line to Hyundai Heavy Industries [Sheryl Einarson] 4-7-05**

Spire Corporation announced it has entered into a contract to provide Hyundai Heavy Industries Co., Ltd. of Ulsan, Korea, a multi-megawatt turnkey PV module assembly line, which is scheduled to be delivered in the spring of 2005. Said Roger Little, Spire's CEO, "Spire is extremely pleased to work with HHI, a major international fabrication firm long associated with the energy industry worldwide. There was substantial competition for this Project, and we are very pleased that Spire was chosen based upon the high quality of our equipment offering, technology transfer content and delivery schedule." Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASMA48.htm>> Spire: <<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-newsreleases>>

### **Applied Films Manufacturing Process 4-11-05**

According to this article, Applied Films announced it has achieved a major breakthrough, on its way to developing a cost-effective mass production process for thin film solar cells on glass. For a description of this process, see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsEUMA62.htm>> Applied Films: <<http://www.appliedfilms.com/>>

### **Fuji Electric Systems Solar Panels 4-11-05**

Fuji Electric Systems Co. hopes to make lightweight and flexible solar panels in amounts equivalent to 10-30 MW of power output a year, and intends to invest 2-3 billion yen (US\$18-US\$27 million) to install new equipment at its domestic factories. Story through Solarbuzz at: <<http://au.news.yahoo.com/050411/3/twrw.html>>

### **Solar Energy Plants in Spain 4-11-05**

Abengoa SA plans to invest 330 mln eur in three solar-power generation plants in Seville with a total capacity of 89 MW. The three plants are in addition to a 33 mln eur, 11 MW solar plant already under construction in the same region. Press at: <<http://uk.biz.yahoo.com/050411/323/fq254.html>>

#### **ICP Solar's Core Technology Enhancements 4-12-05**

According to this press, ICP Solar announced enhancements to its core technology that will significantly increase the output of its thin-film solar cell factory and the yield of its solar energy products. Press at:

<<http://www.earthtoys.com/news.php?section=view&id=682>>

ICP Solar: <<http://www.icpsolar.com/>>

#### **More on EMCORE Factory 4-19-05**

EMCORE is consolidating its PV operations into a single highly automated facility in Albuquerque, New Mexico. For additional coverage see: <<http://compoundsemiconductor.net/articles/news/9/4/19/1>>

#### **Advent Solar Facility 4-26-05**

Advent Solar is hosting a ribbon-cutting ceremony and open house for the opening of its new manufacturing facility, with a ceremony to be attended by both of New Mexico's Senators. The new facility is largely being funded through an \$8 million round of venture capital Advent received from a group of 3 investment funds. Story at:

<<http://albuquerque.bizjournals.com/albuquerque/stories/2005/04/25/daily1.html>>

Advent Solar: <<http://www.adventsolar.com/>>

### **Industry Business Developments, Status**

#### **WorldWater & Power & Conti Corp. Joint Venture Award 4-1-05**

WorldWater & Power Corp. and its Joint Venture partner Conti Corp. have been awarded the contract from Atlantic County (NJ) Utilities Authority to install a \$3.25 million solar energy system at the wastewater treatment plant near Atlantic City. Under the joint venture, WorldWater & Power will supply all solar-related equipment, engineering and design services, and Conti will provide construction services and construction project management. Story at:

<<http://www.primezone.com/newsroom/?d=75444>> and

<[http://www.pressofatlanticcity.com/news/atlantic/040105ACUA\\_A1.cfm](http://www.pressofatlanticcity.com/news/atlantic/040105ACUA_A1.cfm)>

WorldWater & Power: <<http://www.worldwater.com/>>

#### **More on WorldWater & Power and Conti Corp. Award 4-4-05**

WorldWater & Power and Conti Corporation were awarded a contract from the Atlantic County Utilities Authority in New Jersey to install a \$3.25 million solar energy system at the wastewater treatment plant near Atlantic City. For coverage, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=24526>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR479.htm>>

WorldWater & Power: <<http://www.worldwater.com/WW/wwwpages/worldwaternews.html>>

#### **SolarOne Solar/LED Technology [Moneer Azzam] 4-1-05**

SolarOne announced its new patent-pending SoLed™-mc<sup>2</sup>-Solar/LED lighting management system. This microprocessor-based system manages the balance between the key components in an autonomous solar-powered light. For information, see: <<http://www.solarone.net/News/docs/pr050331.html>>

SolarOne: <<http://www.solarone.net/>>

#### **Sharp's Camas, Washington Research Facility 4-1-05**

Per this article, Sharp's Camas, Washington research facility has been tasked with making solar designs friendlier for everyday residential customers. And, in June, Sharp plans to roll out solar collecting roof tiles that integrate with conventional shingles. Sharp also plans to introduce display monitors that would show residential users the energy produced by their system. Story at NW Current: <<http://www.nwcurrent.com/smartenergy/1340552.html>>

#### **Cypress, SunPower Forecast 4-4-05**

Per this article, Cypress is forecasting its SunPower subsidiary solar cell revenue to grow from \$80 million in 2005 to \$400 million in 2008. "We will exit this year with \$25 million in revenues a quarter", said Tom Werner, chief executive of the SunPower subsidiary in San Jose. Story at:

<[http://news.yahoo.com/news?tmpl=story&u=sv/20050403/tc\\_siliconvalley/www11295854\\_1](http://news.yahoo.com/news?tmpl=story&u=sv/20050403/tc_siliconvalley/www11295854_1)>

SunPower: <<http://www.sunpowercorp.com/html/Company/News/news.html>>

#### **Energy Alliance in Germany 4-4-05**

For additional coverage of the new energy alliance based in Freiburg, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24522>>

Says Prof. Joachim Luther, the Alliance spokesman and Director of Fraunhofer ISE, "Together with industry, we aim to further extend Germany's technological leadership in the efficient use of energy and access to renewable energy sources."

#### **India, Renewable Energy Entrepreneurs' and Promoters' Association [George Peter Pittappillil] 4-4-05**

The Renewable Energy Entrepreneurs and Promoters of the State of Kerala in India have formed an association named "Kerala Renewable Energy Entrepreneurs' and Promoters' Association". The association includes members who are heads of renewable energy industries, business concerns and educational institutions in Kerala State, and is seeking worldwide networking. Dr. George Peter Pittappillil, Director of Renewable Energy Centre Mithradham, is the first president, [mithram1@satyam.net.in](mailto:mithram1@satyam.net.in), web: <<http://www.mithradham.org/>>

#### **Phonix SonnenStrom Income 4-6-05**

Phonix SonnenStrom AG generated a net income of EUR 2.5 million in 2004, calculated on a provisional basis, the best ever result for the company. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO169.htm>>  
Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

#### **Landcom & BP Solar Project 4-6-05**

Landcom and BP Solar have joined forces on a new project to enhance the use of solar power in residential developments. Story at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5548707&ResultCategoryType=2,7&NewsPageID=3>>  
BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>  
Landcom: <<http://www.landcom.com.au/index.html>>

#### **SolarPlaza Trading Floor [Edwin Koot] 4-8-05**

Per this announcement, on 8 April the Independent PV marketplace [www.solarplaza.com](http://www.solarplaza.com) will open its business-to-business Trading Floor for the placement of free advertisements providing a "single global location for installers who are desperately seeking the latest PV modules and information on their availability." According to Edwin Koot, President of SolarPlaza, "In a time when PV modules are difficult to find, a dedicated international Trading Floor can really help the PV market". "It is an almost impossible task to contact all distributors or colleagues to see if they are in a position to supply modules. One central point in the world enables clients to easily find, select and place a bid on the offers that best fit their needs." Information at SolarPlaza: <<http://www.solarplaza.com/>>

#### **DayStar Technologies Highlighted 4-8-05**

A Bellweather Report highlights DayStar Technologies in the article at Stockhouse:  
<<http://www.stockhouse.com/news/news.asp?tick=DSTI&newsid=2715352>>

#### **Carmanah Order 4-11-05**

Carmanah Technologies Corporation announced that the company's recently opened European office in London has received a purchase order for \$200,597 to provide the City of Edinburgh Council with the company's i-SHELTER™ solar LED bus shelter lighting systems. Story at:  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=24807>>  
Carmanah: <<http://www.carmanah.com/>>

#### **Inverter Compliance with UL Standards 4-11-05**

Sustainable Energy Technologies Ltd, announced that Underwriters Laboratories has confirmed that the company's SUNERGY 5 solar inverter complies with UL 1741 standards for grid-tied applications. Press at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5550646&ResultCategoryType=2,7&NewsPageID=3>>  
Sustainable Energy Technologies:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Esustainableenergy%2Ecom&template=2,2>>

#### **Universal Communication Systems PV Panel Orders 4-12-05**

Universal Communication Systems, Inc. subsidiary Millennium Electric T.O.U. Limited announced an agreement with Azur Solar (UK) Ltd. granting them distribution for the UK market of their range of Millennium Brand PV Solar Panels and related products. The agreement also calls for Azur Solar to purchase up to \$15 million in value of PV Solar Energy Panels for the UK market in the year 2005. Story at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b7AB489FD-B593-455B-BB28-B99FD5778E%7d&siteid=mktw&dist=nbk&sybm=>>>  
UCSY: <<http://www.ucsy.com/>>  
Millennium: <<http://www.millenniumsolar.com/>>

#### **PV Entry Level Certificate 4-12-05**

The North American Board of Certified Energy Practitioners announced the launch of its newest program, The NABCEP Photovoltaic (PV) Entry Level Certificate of Knowledge. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory.jsessionid=ajEbP334YHBB?id=24863>>  
NABCEP: <<http://www.nabcep.org/>>

#### **Kyocera Solar Corporation Revamped 4-13-05**

Kyocera Corporation announced that the domestic sales section of its solar energy business is integrating with its sales subsidiary of solar electric generating systems for residential buildings, Kyocera Solar Corporation. The objective of integration is to combine two separate sales networks for the domestic market, one of which is for residential buildings and the other for public and industrial buildings, in pursuit of greater synergy in sales infrastructure and information as the common business assets. Press at: <<http://global.kyocera.com/news/2005/0401.html>>  
Coverage at Solarbuzz: <<http://www.solarbuzz.com/News/NewsASCO37.htm>>

#### **GT Equipment Technologies Exporter of the Year 4-13-05**

GT Equipment Technologies will receive the 2005 Small Business Environmental Exporter of the Year award from the Export-Import Bank in the U.S. in Washington, DC, April 14. Per the press, GT Equipment Technologies credits its nearly 150% increase in revenues last year to the role played by Ex-Im Bank's working capital guarantees. The company added 40 jobs to handle the new business. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b2B50D462-3997-4EBE-A85E-3FF278AA8F8D%7d&siteid=mktw&dist=nbk&symp=>>>  
Ex-Im Bank: <<http://www.exim.gov/>>  
GT Equipment Technologies: <<http://www.gtequipment.com/>>

#### **ACWA, PowerLight and WorldWater & Power Arrangement 4-14-05**

The Association of California Water Agencies, PowerLight Corp., and WorldWater & Power Corp. announced the signing of a 5-year agreement that establishes a partnership program to help California water agencies control and even reduce their energy costs while helping with greater grid stability. Per the article, PowerLight and WorldWater & Power have agreed to offer water agencies proposals they guarantee will be as good or better than competitors' for PV solar electric or onsite solar generation systems capable of running large water pumps or powering water treatment plants. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR483.htm>>  
PowerLight: <<http://www.powerlight.com/>>  
WorldWater & Power: <<http://www.worldwater.com/>>  
ACWA: <<http://www.acwa.com/>>  
<[http://www.acwa.com/products/partnership\\_program/solar\\_program.asp](http://www.acwa.com/products/partnership_program/solar_program.asp)>

#### **Orionsolar Financing 4-14-05**

Israeli start-up company Orionsolar has received terms for a second round of financing. \$750,000 will be invested by the New York based investment group 21ventures. Press through Solarbuzz <<http://www.solarbuzz.com/index.asp>>  
at: <<http://www.globes.co.il/serveen/globes/docview.asp?did=904812&fid=942>>

#### **Sustainable Energy Technologies Inverter Market 4-15-05**

Sustainable Energy Technologies announced it will partner with Gabriel Benmayor SA to manufacture and distribute the company's solar inverters for distribution within Spain and other southern European markets. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bF61CB66D-E72F-4F51-8FB9-EF5AAC2BA93F%7d&siteid=mktw&dist=nbk&symp=>>>  
Sustainable Energy Technologies: <<http://www.sustainableenergy.com/SET-home/index.html>>

#### **SunWize Modules 4-15-05**

SunWize Technologies announced that their new SW line of single crystalline modules received FM approval for Class I, Division 2, Groups A,B,C, and D Hazardous (Classified) Locations. Press release at: <<http://www.sunwize.com/news/index.htm>>

#### **Concentrix Modules 4-15-05**

For more information on Concentrix Solar GmbH PV FLATCON® modules which use III-V concentrator cells, see Renewables Made in Germany at: <[http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell\\_id=81&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e](http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell_id=81&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e)>  
FLATCON®: <<http://www.ise.fhg.de/english/fields/field2/mb5/concentrator/conc.html>>  
Fraunhofer Institute: <<http://www.ise.fraunhofer.de/>>

#### **Xantrex Shipments 4-15-05**

Xantrex Technology, Inc. shipped its first volume order for the new GT 3.0E Solar Grid Tie Inverter for Europe. The order is from Technosun S.L., a solar products distributor based in Valencia, Spain. Said Mossadiq Umedaly, Chairman of Xantrex, "This 100-unit order represents a good initial response to our late-February product launch in the Spanish market". Story at: <[http://biz.yahoo.com/cnw/050414/xantrex\\_1st\\_eur\\_order.html?.v=1](http://biz.yahoo.com/cnw/050414/xantrex_1st_eur_order.html?.v=1)>

Xantrex: <<http://www.xantrex.com/>>

#### **DayStar Technologies at Small Cap/Micro Cap Conference 4-15-05**

DayStar Technologies announced that the company's Chairman and CEO, Dr. John Tuttle, will be a featured presenter at the upcoming EdgeWater Research Spring 2005 Small Cap/Micro Cap Conference in Las Vegas on 22 April. Information at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid={D24ADC5E-A8F7-42BC-877C-6AD9EC571D98}&siteid=mktw&dist=nbk&sybm=>>

EdgeWater Research: <<http://www.edgewaterresearch.com/>>

DayStar Technologies: <<http://www.daystartech.com/>>

#### **EMCORE PV Operations 4-18-05**

EMCORE Corporation announced the establishment of a modern solar panel manufacturing facility as part of its Albuquerque, New Mexico solar cell fabrication operations. The new operation will provide solar cell assemblies and solar panels for the satellite and terrestrial markets. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0926213E-06E9-4174-94A3-D349AB5A4C18%7d&siteid=mktw&dist=nbk&sybm=>>

EMCORE: <<http://www.emcore.com/>>

#### **SunPower and SOLON Contract 4-18-05**

SunPower Corp. and SOLON AG announced a 5-year supply agreement for approximately \$300 million of SunPower's high-efficiency A-300 silicon solar cells. The A-300 solar cells will be used in SOLON's new "SOLON-Mover", a modular 9-to 10-kW electricity generation system designed for deployment in multi-megawatt PV power plants. More on these developments at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b642E6E32-1533-430F-9924-98EFA9397060%7d&siteid=mktw&dist=nbk&sybm=>>

SOLON-Mover:

SunPower: <<http://www.sunpowercorp.com/html/>>

SOLON AG: <<http://www.solonag.com/>>

#### **SunPower Corp Hires 4-18-05**

SunPower Corp. announced the appointment of 2 executives to strengthen the company's leadership position in the solar power industry. PM Pai has been appointed chief operating officer and Julie Blunden has joined the company as vice president of external affairs. Story at: <<http://www.solarbuzz.com/news/newsNACO306.htm>>

SunPower: <<http://www.sunpowercorp.com/html/Company/Management/management.html>>

#### **ENTECH's NASA Contracts [Mark O'Neill] 4-18-05**

ENTECH, Inc. has recently been awarded 3 contracts from NASA Marshall Space Flight Center related to the development of advanced solar power arrays for Moon/Mars exploration. The total value of these contracts to ENTECH, if all options are exercised by NASA, is about \$17.5 million. All 3 contracts are related to ENTECH's ultra-light, ultra-high-performance patented solar array technology called the Stretched Lens Array. For more on this technology and the contracts, see: <<http://www.entechsolar.com/>>

#### **Degussa, SolarWorld Solar-grade Silicon Plant 4-18-05**

SolarWorld AG said its first production plant for solar-grade silicon, under a joint venture with Degussa AG, has been completed. SolarWorld said the plant is expected to have a capacity of 800 tons of silicon annually by 2007. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5690310&ResultCategoryType=2,7&NewsPageID=3>>

SolarWorld: <<http://www.solarworld.de/sw-eng/>>

#### **Nextek Gateway 4-19-05**

Nextek Power Systems, Inc. announced the launch of its new high-efficiency 75-kW Digital Power Gateway to be manufactured under an agreement with Ballard Power Systems, Inc. The Nextek Digital Power Gateway is designed for commercial buildings that generate some of their own power with solar panels, fuel cells, and other distributed generation methods. This digitally controlled router uses the locally generated power first, then fills in with power from the grid as necessary. For more information, see:



<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5721922&ResultCategoryType=2,7&NewsPageID=3>>

Nextek Power:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Enextekpower%2Ecom&template=2,2>>

#### **Shenzhen Topray Solar Co. Solar Panel 4-19-05**

Shenzhen Topray Solar Co. Ltd launched its model TPS 103, a solar panel made of thin film polycrystalline silicon.

Press at: <<http://www.hardwares.globalsources.com/gsol//Solar-panel/a/9000000061848.htm>>

Shenzhen Topray Solar Co. Ltd: <<http://www.globalsources.com/topsolar.co>>

#### **Tata BP Solar Contract, India 4-20-05**

Tata BP Solar won a contract from Alcatel Contracting GmbH, Germany to supply solar power systems for the CORDECT Telecom network in the region of Bhutan. The 410-kW project is valued at about \$2.5 million Euro. For BP Solar Press, see: <<http://www.bp.com/genericarticle.do?categoryId=9002555&contentId=7005362>>

#### **RoseStreet Labs Agreement 4-20-05**

RoseStreet Labs announced a "Solar Cell Commercialization Agreement" utilizing licensed technology jointly developed by Cornell University and Lawrence Berkeley National Laboratory. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5731394&ResultCategoryType=2,7&NewsPageID=3>>

RoseStreet Labs: <<http://www.rosestreetlabs.com/>>

FlipChip International: <<http://www.flipchip.com/>>

Cornell University Center for Technology, Enterprise, and Commercialization: <<http://www.cctec.cornell.edu/>>

Lawrence Berkeley National Laboratory: <<http://www.lbl.gov/>>

#### **Sharp Solar Systems Sales 4-21-05**

According to this press, Sharp Corp. wants to more than double solar systems sales to 13% from the current 5-6% of total sales in the next three years. Story through Solarbuzz at: <<http://uk.biz.yahoo.com/050421/323/fgsdn.html>>

#### **Solar Integrated Technologies Agreement with Sarnafil 4-21-05**

Solar Integrated Technologies announced that it has signed a formal cooperation agreement with Swiss-based Sarnafil, Inc. under which Sarnafil's sales force will sell Solar Integrated's branded roofing systems to customers in Germany. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO307.htm>>

Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

#### **SunPower IPO 4-21-05**

According to this press, Cypress Semiconductor said it will pursue an initial public offering for its SunPower unit, and Manny Hernandez will become SunPower's CFO. Story through Solarbuzz at:

<<http://www.thestreet.com/tscrss/tech/semis/10219051.html>>

Cypress:

<<http://www.cypress.com/portal/server.pt?space=CommunityPage&control=SetCommunity&CommunityID=208&PageID=218&DirectoryID=636521>>

#### **Photowatt Patent 4-21-05**

Photowatt has patented a new process for hot-spot protection through use of by-pass diodes as a die technology integrated into the PV module. Per the announcement, the by-pass Die allows for an improved thermal dissipation of the die diodes in the case of hot spots and simplifies the module connection cabling. Press at Photowatt International:

<[http://www.photowatt.com/home/home\\_uk.php?page=../press/press\\_uk.htm&PHPSESSID=5fe2408761c2f3c9255237aa7d8e9891](http://www.photowatt.com/home/home_uk.php?page=../press/press_uk.htm&PHPSESSID=5fe2408761c2f3c9255237aa7d8e9891)>

#### **Xantrex Inverters in Spain 4-22-05**

Xantrex Technology received approximately \$2 million in orders from Grupo Enerpal of Spain to supply all of the inverters for one of the world's biggest PV project, a 6-MW facility under construction near Murcia, Spain. The orders are for Xantrex's GT100E grid tie industrial solar inverters. Group Enerpal is engineering and developing the 6-MW power plant project on a turnkey basis for independent owners. Story at:

<<http://www.solarbuzz.com/News/NewsEUPR207.htm>>

Xantrex: <<http://www.xantrex.com/>>



#### **DayStar Achievements 4-22-05**

In an update to shareholders, John Tuttle, chairman and CEO of DayStar Technologies Inc. said the company has been producing solar cells on glass and metallic substrates and surpassed benchmarks. Said Tuttle, "We look forward to reporting state-of-the-art cell performance as we improve our baseline processing." Story at:

<<http://albany.bizjournals.com/albany/stories/2005/04/18/daily35.html>>

DayStar: <<http://www.daystartech.com/aboutus.htm>>

For coverage of DayStar at Photon International, see: <[http://www.photon-magazine.com/news/news\\_2005-04\\_am\\_sn\\_Daystar.htm](http://www.photon-magazine.com/news/news_2005-04_am_sn_Daystar.htm)>

#### **Photowatt Systems Activities 4-22-05**

For an article on Photowatt's Systems Department Manager, systems activities, and systems partners, see the Photowatt newsletter at: <[http://www.photowatt.com/press/pdf\\_news/PDF\\_NEWS\\_36.pdf](http://www.photowatt.com/press/pdf_news/PDF_NEWS_36.pdf)>

#### **RETScreen Assessment 4-22-05**

The RETScreen pre-feasibility assessment software has saved stakeholders in Canada an estimated C\$240 million and another \$600 million around the world through use of the software and related tools according to SGA Energy in an assessment for Natural Resources Canada. RETScreen software is used to evaluate industrial, commercial, institutional, community, residential and utility applications for eight technologies including PV. This and more news at ReFocus: <[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=57683963&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=57683963&accnum=1&topics=>)

#### **More on Cypress, SunPower 4-22-05**

For additional coverage of Cypress/SunPower plans, see the articles at: <<http://www.reed-electronics.com/semiconductor/article/CA526841?spacedesc=news>> and

<<http://www.tmcnet.com/usubmit/2005/Apr/1136983.htm>>

SunPower: <<http://www.sunpowercorp.com/html/Company/About/aboutus.html>>

#### **SolarWorld Silicon Supply Agreement 4-25-05**

SolarWorld AG subsidiary Deutsche Solar AG has concluded a 10-year framework contract with silicon manufacturer Wacker GmbH for the supply of solar-grade silicon. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUCO172.htm>>

SolarWorld: <<http://www.solarworld.de/>>

Deutsche Solar: <<http://www.deutschesolar.de/>>

Wacker: <<http://www.wacker.com/internet/noc/WackerGroup/Divisions/Polysilicon/>>

#### **More on Manny Hernandez at SunPower Corp. 4-25-05**

Cypress Semiconductor Corp. announced that its longtime CFO, Manny Hernandez, will transition over the second quarter to a role as CFO of SunPower Corp. Hernandez will manage SunPower's worldwide finance and administration functions and help lay the groundwork for a SunPower public offering. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7B41F0E39E%2D34D4%2D4D10%2DA98F%2D5439C42C254E%7D>>

SunPower: <<http://www.sunpowercorp.com/html/>>

Cypress: <<http://www.cypress.com/portal/server.pt>>

#### **Magnetek Reorganization 4-25-05**

Magnetek, Inc. announced a reorganization of the company's operating structure to accelerate growth in alternative energy markets. Said Chief Executive Andrew Galef, "Alternative energy products currently account for less than 5% of our quarter-billion-dollar annual revenue. But that revenue has the potential to increase exponentially over the next few years, based on double-digit growth rates in alternative energy markets and proprietary power conversion products that we are now introducing for solar and wind power markets." Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b2CABEB94-066B-4925-ADEA-E53629EF8CBB%7d&siteid=mktw&dist=nbk&sym=>>

Magnetek: <<http://www.magnetek.com/>>

#### **Fronius Warranty 4-25-05**

Per the FRONIUS Solar eBulletin, a 10-year extended warranty is now available for all FRONIUS IG inverters.

Fronius: <<http://www.fronius.com/>>

#### **XsunX on Green Building Certification 4-26-05**

XsunX, Inc. announced that the Company plans to seek certification for the use of Power Glass™ in green building design and construction.

Story at: <[http://www.xsunx.com/](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bCEDEC55F-D485-4701-82F6-50BB90C927ED%7d&siteid=mktw&dist=nbk&syms=>XsunX: <<a href=)>

#### **More on Magnetek Alternative Energy Business 4-26-05**

Magnetek, Inc. announced the election of Stephen R. Torres as Executive Vice President of the Corporation. Torres will be responsible for strategizing and guiding the development of the Company's newly formed Alternative Energy business group as its President and General Manager. Story at:

<[Magnetek: <<http://www.magnetek.com/>>](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0626D5F8-0886-4F6B-A77D-1DF7C1149F0B%7d&siteid=mktw&dist=nbk&syms=></a></p></div><div data-bbox=)

Reorganization Article at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=27301>>

#### **Konarka Presence in Europe 4-27-05**

Konarka Technologies, Inc. announced the Company opened a new center of European operations in Nuremberg, Germany. The new facility, which includes R&D laboratories, enables Konarka to expand its efforts to bring "light-activated power plastic" to Europe. Story at:

<[Konarka: <<http://www.konarka.com/>>](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b3F46642F-591F-4FF1-B652-904D5FC7C6DC%7d&siteid=mktw&dist=nbk&syms=></a></p></div><div data-bbox=)

#### **Evergreen Solar Record, and German Government Grant 4-28-05**

Evergreen Solar, Inc. announced financial results for the quarter ended 2 April 2005, and also announced that its strategic partnership with Q-Cells, EverQ, received notification that it will receive approximately 27.5 million euros, or \$35 million, in German government grants for its manufacturing facility. Said Richard M. Feldt, President and Chief Executive Officer, "We exceeded \$10 million in quarterly product revenue – a Company record – and achieved positive gross margins for the second consecutive quarter. This was a notable accomplishment given the escalating price for silicon. We ended the quarter with more than \$70 million in cash and marketable securities on the strength of our February financing that netted the Company over \$62 million." More on EverQ and other developments at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO308.htm>> and Evergreen Solar:

<[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=702473](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=702473)>

Boston Business Journal article: <<http://boston.bizjournals.com/boston/stories/2005/04/25/daily54.html>>

#### **BP Solar and Home Depot 4-28-05**

BP Solar said it would expand its BP Solar Home Solution® to virtually all The Home Depot® stores in California. The program was launched in mid-October 2004 with 40 stores in the San Diego region and expanded in December to an additional 42 stores, with the latest expansion to include an additional 76 stores between Bakersfield and San Luis Obispo in the south and Red Bluff and Redding in the north. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR493.htm>> and

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/section?id=BRIFEF#27785>>

BP Solar: <<http://www.bp.com/modularhome.do?categoryId=4260&contentId=7004852>>

#### **More on Solar Integrated Technologies, GE Commercial Finance, and Uni-Solar Ovonic Solar Products 4-28-05**

United Solar Ovonic announced that Solar Integrated Technologies has teamed up with GE Commercial Finance Energy Financial Services to fund SIT's solar roofing projects which utilize Uni-Solar Ovonic's flexible PV laminates. The first project will be with the San Diego City Schools with which SIT has a contract to install more than 2 MW of solar roofs. Said Subhendu Guha, President and COO of Uni-Solar Ovonic, "We look forward to working with SIT to expand the penetration of solar products into the industrial roofing market." Story at:

<[Uni-Solar: <<http://www.uni-solar.com/>>](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b71816BDE-EF86-4F94-ABD7-CD5A4445920C%7d&siteid=mktw&dist=nbk&syms=></a></p></div><div data-bbox=)

Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

GE Commercial Finance Energy Financial Services: <<http://www.geenergyfinancialservices.com/>>

#### **Phonix SonnenStrom Profits 4-28-05**

For coverage of Phonix SonnenStrom AG first quarter 2005 profits, see Solarbuzz at:

<<http://www.solarbuzz.com/News/NewsEUCCO173.htm>>. For the financial year 2005, the Board of Directors is expecting sales and earnings to grow by at least 30%.

Phonix SonnenStrom: <<http://www.sonnenstromag.de/>>

#### **NABCEP Certified Installers 4-28-05**

The North American Board of Certified Energy Practitioners announced that 34 candidates have passed the most recent NABCEP PV exam and are certified, bringing the total number of certified installers to 177. Coverage at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=27522>> North American Board of Certified Energy Practitioners: <<http://www.nabcep.org/>>

### **Renewables Programs, Projects**

#### **DOE's Million Solar Roofs Initiative in Santa Barbara County, California 4-4-05**

The Million Solar Roofs Initiative funded by the U.S. DOE is something that the Community Environmental Council is taking full advantage of in Santa Barbara County. The Council received a \$50,000 grant in September 2004 to help implement its campaign, and is using the money to help reach its ultimate goal of making the county "Fossil Free by '33". Story at: <<http://www.goletavalleyvoice.com/cgi-bin/county/readarticle.cgi?article=919>>

Fossil Free by '33: <<http://www.communityenvironmentalcouncil.org/energyprograms/energyFossFree.htm>>

DOE Million Solar Roofs: <[http://www.millionsolarroofs.org/articles/static/1/1109273868\\_1023713684.html](http://www.millionsolarroofs.org/articles/static/1/1109273868_1023713684.html)>

#### **SPS Energy Solutions in Schools 4-6-05**

SPS Energy Solutions has received a British Columbia government grant of \$300,000 to develop and launch a "Solar 4 Schools" program. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=a6zQ5qTAyjs6?id=24593>> and

Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO241.htm>>

SPS Energy Solutions: <<http://www.spsenergy.com/>>

#### **Solar, Wind Rebates in Massachusetts 4-7-05**

The Massachusetts Technology Collaborative unveiled a new \$5 million program from the state's Renewable Energy Trust to expand the production and use of PV, wind and micro-hydroelectric technologies. The Trust will provide rebates to homeowners, businesses, municipalities, nonprofits and other organizations seeking to harness clean energy. Rebates are designed to offset 25 to 50 percent of the cost of these clean energy systems. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=24723>>

MTC: <<http://www.mtpc.org/>>

Renewable Energy Trust: <<http://www.mtpc.org/renewableenergy/index.htm>>

#### **New Mexico Renewable Energy and Energy Efficiency [Kevin Eber] 4-13-05**

New Mexico Governor Bill Richardson signed 3 new energy-related bills into law last week, including a bill that establishes up to \$20 million in bonds to finance energy efficiency and renewable energy improvements in public buildings. For coverage of these bills, and links to the text, see EERE Network News at:

<<http://www.eere.energy.gov/news/>>

#### **New Jersey Solar Rebates 4-14-05**

The New Jersey Board of Public Utilities approved policy amendments for New Jersey's Clean Energy Program that address the allocation of funds to schools and other entities for solar energy projects. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=25006>>

New Jersey Clean Energy Program: <<http://www.njcleanenergy.com/>>

#### **New York RPS 4-15-05**

The New York State Public Service Commission has approved a detailed Implementation Plan for the state's Renewable Portfolio Standard Program. The plan is designed to assist in increasing the portion of electricity derived from renewable resources used by retail consumers in New York to at least 25% by the year 2013 and establishes processes and protocols. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=25043>>

New York State Public Service Commission: <<http://www.dps.state.ny.us/>>

#### **Connecticut Clean Energy Fund 4-15-05**

In 1998, the Connecticut General Assembly created the Connecticut Clean Energy Fund. Per this article, the fund is expected to aggregate over \$100 million in 5 years. Story at:

<[http://www.zwire.com/site/news.cfm?newsid=14350044&BRD=1662&PAG=461&dept\\_id=11233&rfi=6](http://www.zwire.com/site/news.cfm?newsid=14350044&BRD=1662&PAG=461&dept_id=11233&rfi=6)>

Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

#### **SCE Renewable Power 4-18-05**

Southern California Edison announced its intention to conduct its 3rd competitive solicitation in the last 3 years for additional renewable power contracts. "We are on track to reach California's renewable power standard of 20% for utilities well ahead of schedule", said SCE Vice President of Power Procurement Pedro Pizarro. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BB8B134A1%2D8A35%2D4BD2%2D9074%2D7B6923688123%7D>>

SCE Documents: <<http://www.sce.com/AboutSCE/Regulatory/qualifyingfacilities/RPS2005.htm>>

#### **Springerville Generating Station Solar System, Arizona 4-18-05**

Per the Tucson Electric Power Springerville Generating Station Solar System website, the SGSSS is now the most productive site in the world. To see how much energy the site is producing, see the website at:

<<http://www.GreenWatts.com/pages/solaroutput.asp>>

TEP generates PV energy from SGSSS as well as through local systems and community installations sponsored by SunShare.

Tucson Electric Power: <<http://tep.com/index.asp>>

SunShare: <<http://www.GreenWatts.com/pages/sunshare.html>>

#### **Arizona Solar – APS 4-18-05**

For information on APS solar programs, see the website at: <<http://www.aps.com/sitemap/sitemap1.html>> with links to the APS Star Center(SM), Project Sol(SM), APS Solar Partner(SM), Solar Power Plants, and other topics. A draft RFP for renewable resources was announced March 31, seeking renewable energy resources for delivery beginning in 2006: <[http://www.aps.com/general\\_info/newsrelease/newsreleases/NewsRelease\\_281.html](http://www.aps.com/general_info/newsrelease/newsreleases/NewsRelease_281.html)>

#### **Loan Scheme for Solar Home Systems, Sri Lanka 4-18-05**

As part of the inaugural phase of a new loan scheme, The Economic Consultancy House, a Sri Lanka Government registered NGO exclusively operating in the northeast, provided 10 Chinese-manufactured Solar Home Systems to Kilinochchi residents last week. Story through Solarbuzz at:

<<http://www.tamilnet.com/art.html?catid=13&artid=14695>>

#### **SDG&E Solar 4-19-05**

San Diego Gas & Electric has filed a request with the California Public Utilities Commission to place solar panels on its roofs and other property to bolster the use of renewable energy resources in the San Diego region. If the request is approved, SDG&E will ask for bids to place the panels on its buildings and will use the energy to power both its facilities and its customers' homes and businesses. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR484.htm>>

SDG&E: <<http://www.sdge.com/index.shtml>>

#### **Green Power Programs [Blair Swezey] 4-19-05**

The National Renewable Energy Laboratory released its annual ranking of leading utility green power programs. Using information provided by utilities, NREL develops "Top 10" rankings of utility programs in the categories of: total sales of renewable energy to program participants, total number of customer participants, customer participation rate, and the lowest price premium charged for a green pricing service using new renewable resources. For information, see:

<[http://www.nrel.gov/news/press/2005/1405\\_nrel\\_highlights.html](http://www.nrel.gov/news/press/2005/1405_nrel_highlights.html)>

<<http://www.eere.energy.gov/greenpower/>> (see Features)

Other Press: <<http://biz.yahoo.com/bw/050418/186270.html?.v=1>>

#### **Solar City, Gandhinagar 4-20-05**

A proposed plan by Gujarat Energy Development Agency would establish the state capital as a first "solar city" in India. GEDA's plan proposes to provide electricity to all major establishments in the city through power generated from solar energy, and includes commissioning of a 1-MW PV power plant. Story through Solarbuzz

<<http://www.solarbuzz.com/News/Newspage.asp>>

at: <[\[standard.com/common/storypage.php?storyflag=y&leftnm=lmnu2&leftindx=2&lselect=1&chklogin=N&autono=186626\]\(http://standard.com/common/storypage.php?storyflag=y&leftnm=lmnu2&leftindx=2&lselect=1&chklogin=N&autono=186626\)](http://www.business-</a></p></div><div data-bbox=)

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#### **Long Island Power Authority Rebates 4-21-05**

The Long Island Power Authority is upping its rebate program for renewable energy, including challenging Suffolk County to commit to the largest solar electricity project on the island. Press at:

<<http://www.newsday.com/news/local/longisland/ny-lilipa214226799apr21,0,3194089.story?coll=ny-linews-headlines>>

LIPA: <<http://www.lipower.org/residential/green.html>>

#### **Philadelphia Million Solar Roofs Partnership 4-21-05**

The Philadelphia Million Solar Roofs Community Partnership was named as one of 11 winners of the 2004 Governor's Award for Environmental Excellence for its Norris Square Solar Project. Story at: <<http://biz.yahoo.com/pnews/050421/phth017.html?v=7>>

#### **Solar in New Jersey 4-22-05**

In New Jersey, new financial incentives have led to an increase in the number of businesses and homeowners who rely on solar power. Story at <[http://www.pressofatlanticcity.com/news/newjersey/042205SOLAR\\_A21.cfm](http://www.pressofatlanticcity.com/news/newjersey/042205SOLAR_A21.cfm)>

#### **California's Million Solar Roofs Initiative 4-26-05**

According to this article, utilities and homebuilders lined up against Governor Schwarzenegger's plan to put solar panels on 1 million homes and businesses. Story through Solarbuzz at:

<<http://www.sanluisobispo.com/mld/sanluisobispo/11487452.htm>>

Additional press on the initiative: <<http://www.dailynews.com/Stories/0,1413,200~20954~2836159,00.html>>

<[http://www.insidebayarea.com/oaklandtribune/oped/ci\\_2683137](http://www.insidebayarea.com/oaklandtribune/oped/ci_2683137)>

#### **SunSmart Schools Program in Florida 4-26-05**

Progress Energy Florida, Nature Coast Technical High School, and the Florida Department of Environmental Protection extended the Earth Day celebrations and unveiled a new PV project at the school. The project is part of the SunSmart schools program, an initiative to install 29 solar electric systems in schools throughout the state. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b07DB4863-D9CF-444F-B6FA-50BD846B1493%7d&siteid=mktw&dist=nbk&sybm=>>>

SunSmart Schools: <<http://www.fsec.ucf.edu/PVT/Projects/pvforschools/index.htm>>

#### **Wisconsin Solar Electric System 4-26-05**

The Urban Ecology Center has installed an 8-kW grid-connected solar electric system. The Center was able to install the system with technical assistance and a Cash-Back Reward from Wisconsin's Focus on Energy, Renewable Energy Program. H&H Electric of Madison installed the system. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR490.htm>>

Focus on Energy: <<http://www.focusonenergy.com/>>

Urban Ecology Center: <<http://www.urbanecologycenter.org/>>

#### **Million Solar Roofs Legislation in California 4-27-05**

Governor Arnold Schwarzenegger's plan to power a million homes and businesses with solar moved forward, with approval by the Senate Energy, Utilities, and Communications Committee on Tuesday, on a vote of 6-0. The legislation moves next to the Senate Rules Committee. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story.jsessionid=atSdOgGP5vm9?id=27566>> and through Solarbuzz:

<<http://www.signonsandiego.com/news/state/20050426-1359-ca-xgr-solarroofs.html>>

Previous article, ASPv report: <<http://www.renewableenergyaccess.com/rea/news/story?id=25185>>

Legislation (SB1): <[http://www.leginfo.ca.gov/pub/bill/sen/sb\\_0001-0050/sb\\_1\\_cfa\\_20050425\\_151343\\_sen\\_comm.html](http://www.leginfo.ca.gov/pub/bill/sen/sb_0001-0050/sb_1_cfa_20050425_151343_sen_comm.html)>

<<http://www.senate.ca.gov/>>

#### **New Jersey Solar 4-28-05**

The Solar Energy Industries Association said New Jersey has produced a booming solar market in record time, using well-planned financial incentives and, critically, a system of rules that makes it possible for solar consumers to hook their system up to the existing power grid. Story at: <<http://www.nj.com/business/ledger/index.ssf?base/business-0/1114665122288800.xml>>

SEIA Press Release: <<http://www.seia.org/news/releases.asp?id=49>>

#### **Maine's Solar Challenge 4-28-05**

Maine's Governor John Baldacci is working to improve the solar industry in the state, and started by having PV installed to power the governor's office. The PV system was donated to the Governor's office by a coalition of Maine citizens in response to the Governor's Solar Challenge. Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=27788>>

Blue Link Solar Network: <<http://www.bluelinksolar.net/fmain.html>>



## Meetings, Gatherings, Conferences

### **Solar World Congress [Becky Campbell-Howe] 4-1-05**

The 2005 Solar World Congress is set for 6-12 August 2005 in Orlando, Florida. The Congress is being organized by the American Solar Energy Society and the International Solar Energy Society, with other participating organizations. For on-line registration and information, visit: <<http://www.swc2005.org/>>

### **Emissions, Renewables & Negawatts Summit 4-6-05**

The Fourth Annual "GreenTrading Summit™: Emissions, Renewable & Negawatts", is set for 2-3 May 2005. For more on this event, see: <<http://www.powermarketers.com/GreenTradingMay2.05.pdf>>

### **Polish PV Association 4-8-05**

A founding meeting of the Polish Photovoltaic Association took place at the Ministry of Scientific Research and Information Technology in Warsaw on 21 March 2005. For more on this association, see:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=04&c\\_cat=5](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=04&c_cat=5)>

PV Poland: <<http://www.pv.pl/Eng/PVCDDataGI.php>>

### **XsunX at Cinapsys 4-12-05**

XsunX, Inc. announced it will be presenting on 16 April 2005 at the Cinapsys Microcap Conference in Newport Beach, California. Information at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0D752A99-1114-4C19-8579-E2E02566A4F4%7d&siteid=mktw&dist=nbk&symb=>>>

XsunX: <<http://www.xsunx.com/>>

Cinapsys: <<http://www.cinapsys.com/microcap/index.htm>>

Also XsunX is profiled as a Featured Company at:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2ERenewableEnergyStocks%2Ecom&template=2,2>>

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2ERenewableenergystocks%2Ecom%2FCO%2FXSNX%2FDefault%2Easp&template=2,2>>

### **Green Energy Expo, South Korea (Mark Kim) 4-13-05**

The annual Green Energy Expo 2005 will be held at EXCO (Daegu Exhibition & Convention Center) 9-12 June 2005 in Daegu, South Korea. Per the announcement, as a result of the success of the International Solar Cities Congress 2004, the Green Energy Expo has become the cornerstone that brings foreign and domestic exhibitors, buyers, and professionals together, providing opportunities to make their business successful and share the latest advances in technology. For more information, visit: <<http://www.energyexpo.co.kr/kor/main/main.asp>>

Mark Kim: [green@energyexpo.co.kr](mailto:green@energyexpo.co.kr)

### **GreenDC Week [ACORE Announcement] 4-14-05**

The American Council On Renewable Energy announced it is sponsoring and exhibiting at GreenDC Week, a week-long event being hosted by the D.C. Energy Office's Environmental Sustainable Solutions to promote wise use of natural resources and provide DC employees and DC residents with a healthier environment.

GreenDC Week (pdf): <[http://www.acore.org/pdfs/05\\_EarthDay\\_GreenDC\\_program.pdf](http://www.acore.org/pdfs/05_EarthDay_GreenDC_program.pdf)>

ACORE: <<http://www.acore.org/>>

### **Renewable Energy Finance Forum 4-19-05**

"Renewable Energy Finance Forum – Wall Street" is set for 23-24 June in New York City, sponsored by the American Council On Renewable Energy and Euromoney Energy Events. For more on this event, see

RenewableEnergyAccess at: <http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=25146>

ACORE: <<http://www.acore.org/>>

### **Solar Car 4-19-05**

In commemoration of Earth Day 2005, Motorola, Inc. is inviting Chicago-area media to an exclusive showing of Momentum, the solar car designed and raced by engineering students at the University of Michigan. Momentum will compete in this summer's North American Solar Challenge. More on this car and media event at:

<<http://www.theautochannel.com/news/2005/04/18/041676.html>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

### **California Energy Commission Workshop 4-20-05**

The California Energy Commission's 2005 Integrated Energy Policy Report Committee will conduct a workshop to seek public comment on renewable resource potential in California, and a workshop on interstate/out-of-state



renewable resources, May 9, 2005. Information at: <[http://www.energy.ca.gov/2005\\_energy/policy/notices/2005-05-09\\_workshop\\_notice.html](http://www.energy.ca.gov/2005_energy/policy/notices/2005-05-09_workshop_notice.html)>

#### **California State University Solar Electric System 4-20-05**

Southern California Gas Company (The Gas Company) and Los Angeles Department of Water and Power officials presented Cal State Northridge with incentive checks totaling more than \$2.1 million during a ceremony to dedicate the University's 2<sup>nd</sup> solar electric system. Press at: <<http://newswire.ascribe.org/cgi-bin/behold.pl?ascribeid=20050418.151020&time=11%2000%20PDT&year=2005&public=0>>

#### **World Solar Congress 4-21-05**

For the Preliminary Program Technical Sessions set for the 2005 Solar World Congress in August, see: <<http://www.swc2005.org/techprog.htm#National%20and%20Regional%20Policies%20and%20Programs>>  
Conference website: <<http://www.swc2005.org/>>

#### **California Energy Commission Workshops 4-27-05**

The California Energy Commission's 2005 Integrated Energy Policy Report Committee is conducting a workshop to seek additional public comment on operational integration issues associated with transmission and renewable generation on 10 May. Information at: <[http://www.energy.ca.gov/2005\\_energy/policy/notices/2005-05-02\\_workshop\\_notice.html](http://www.energy.ca.gov/2005_energy/policy/notices/2005-05-02_workshop_notice.html)>

The agenda and list of questions for the 9 May Energy Policy Report Committee Workshop on "Renewable Energy Resource Potential in California and Interstate Renewable Resources" is now available at: <[http://www.energy.ca.gov/2005\\_energy/policy/documents/index.html#050905](http://www.energy.ca.gov/2005_energy/policy/documents/index.html#050905)>

#### **2005 World Exhibition, Aichi, Japan [PV Activities in Japan] 4-27-05**

The 2005 World Exposition, EXPO 2005 Aichi, is open 25 March to 25 September 2005, with 121 countries participating, under the theme of "Nature's Wisdom". PV systems are installed everywhere in the venue, with the largest system being a 330-kW system installed at the Demonstrative Project of Regional Power Grids with Various New Energies, by NEDO. More on this Expo, and other news at PV Activities in Japan, by subscription. Osamu Ikki, RTS Corporation, ikki@rts-pv.com.

#### **Energy Tech Investor Conference 4-28-05**

Markets for solar energy, wind energy, and fuel cells are poised to grow from \$16 billion in global revenues in 2004 to more than \$100 billion by 2014 according to a leading energy research firm. With this trend in mind, the 2<sup>nd</sup> Annual Energy Tech Investor Conference will take place 29-30 June 2005 in San Francisco, California. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bCA330CFD-8924-48C7-AC75-C0DA3EC9FFCE%7d&siteid=mktw&dist=nbk&symb=>>>  
SRI Conference Website: <[http://www.srinstitute.com/conf\\_page.cfm?instance\\_id=25&web\\_id=583&pid=264](http://www.srinstitute.com/conf_page.cfm?instance_id=25&web_id=583&pid=264)>

### **U.S. Congress In Action**

#### **U.S., House Energy Policy Act of 2005 4-4-05**

The House Energy Policy Act of 2005 will be introduced Tuesday of this week according to SEIA. Press at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=24521>>

#### **Natural Gas Legislation, with Solar Provisions 4-6-05**

At a Capitol Hill briefing, the Solar Energy Industries Association praised Senator Alexander for incorporating an aggressive solar energy growth strategy in the Natural Gas Price Reduction Act of 2005. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=24643>>  
SEIA: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=1842>>  
<<http://www.seia.org/>>

#### **Hydrogen Proposal and Solar 4-13-05**

A new US \$3.9 billion program proposed by 2 Congressmen would authorize the current Administration to embark on a plan to produce hydrogen from 3 energy feedstocks: solar, wind, and nuclear. More on the Hydrogen Liberty Act at RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/news/story?id=24948>>

#### **U.S. Energy Bill 4-22-05**

The House approved a comprehensive energy bill (HR 6), with a vote of 249 to 183.

#### **House Energy Bill 4-25-05**

The U.S. House of Representatives has passed an Energy bill. Now the Senate must pass their own version of an energy bill, followed by a conference between the House and Senate to reconcile differences before a bill would go to

the President for signature. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?jsessionid=a3CaMJ0Y8CM6?id=26601>>

## Reports, Publications, Statements

### **Letter Urging Renewables Deployment and Reduced Oil Dependence 4-1-05**

A letter from national security experts, under the banner of the Energy Future Coalition, to the President and Congress urges action to decrease oil imports and supports rapid development and deployment of renewable energy. Said Rhone Resch, in reacting to the letter, "We in the U.S. solar industry share the goal of strengthening America's security through greater use of domestic renewable energy. The United States has the best solar resources in the industrialized world – our mission is to lead the world in developing those resources." For the story, including the comments by SEIA, see the story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=24455>>

### **Coverage of PV-TRAC Vision 4-5-05**

The Photovoltaic Technology Research Advisory Council (PV-TRAC) published its vision for PV technology, saying that PV could generate 4% of electricity worldwide by 2030. For additional coverage of this report, see:  
<[http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP\\_EN\\_NEWS&ACTION=D&SESSION=&RCN=EN\\_RCIN\\_ID:23616](http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP_EN_NEWS&ACTION=D&SESSION=&RCN=EN_RCIN_ID:23616)>

### **"Solar Technology, the Bright Spot in Homeland Security" 4-5-05**

Per this article, as Homeland Security initiatives focus on protecting the current energy infrastructure and establishing energy independence, attention on renewable energy sources has heightened. For an article covering "Solar Technology, the Bright Spot in Homeland Security", see:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5547290&ResultCategoryType=2,7&NewsPageID=3>>  
Read the article at: <[http://www.homelanddefensestocks.com/HDS/News/Solar\\_Technology.asp](http://www.homelanddefensestocks.com/HDS/News/Solar_Technology.asp)>

### **Polysilicon Supply [Bob Johnson] 4-5-05**

A new report is being published on the issue of polysilicon material availability to the PV industry. A 17-page "proposal" is available describing the report on polysilicon suppliers and their capability, market histories of both semiconductor and PV industries, forecast analysis of the 5-year future, and a concluding analysis of future polysilicon demand. Per the report announcement, within the next 2 years, PV demand will exceed polysilicon sales to the semiconductor industry. To analyze this transition, Bob Johnson of SolarInsights and Richard Winegarner of Sage Concepts have formed a team. Contacts are: SolarInsights [rojohanson@allera.net](mailto:rojohanson@allera.net) 707-374-6650 or Sage Concepts [winerich@aol.com](mailto:winerich@aol.com) 707-431-1183.

### **Updated Thin Film Partnership Website and PV Materials FAQ [Ken Zweibel] 4-6-05**

A major update of the Thin Film Partnership website at NREL has been completed to make it much more accessible, and a new FAQ on "The Terawatt Challenge" has been added to the NREL site. The website updates include descriptive text for each entry, search capability, a list of the 10 most recent items posted, and front-page "Features" for newsworthy items. Thin Film Partnership: <[http://www.nrel.gov/ncpv/thin\\_film/](http://www.nrel.gov/ncpv/thin_film/)>  
Frequently Asked Questions: <<http://www.nrel.gov/ncpv/pvmenu.cgi?site+ncpv&idx=3&body=faq.html>>

### **PowerLight Solar Electric System in Alameda County, California [Susan DeVico] 4-6-05**

In April of 2002, Alameda County dedicated its 1.2 MW solar array atop the County Jail in Dublin, California. "Since the dedication, Alameda County's solar electric system has produced a summer peak demand reduction as high as 879 kW, well above projections," noted Alameda County Energy Manager Matt Muniz. "This demand reduction equates to an overall cost savings of over \$1.2M, when factoring in energy efficiency savings and the kilowatt-hours produced by the system." The total electric cost savings has exceeded original expectations because of better-than-expected peak demand reduction by solar generation. Said Keith Carson, President of the Alameda County Board of Supervisors, "We're extremely pleased with the performance of our 1.2 MW PowerLight solar array; it's provided the ideal alternative energy solution for us." "In fact, we're so pleased with its track record that we've commissioned an additional 1.11 MW of new solar generation...".  
[PowerLight Press]  
Alameda County Press at: <<http://www.co.alameda.ca.us/srip/index.htm>>  
PowerLight: <<http://www.powerlight.com/>>

### **Sharp Support for Senator Alexander's Plan 4-8-05**

Sharp Electronics Corporation announced its support for Senator Lamar Alexander's proposed legislation to boost the U.S. domestic solar energy market. The bill includes provisions that would intensify solar development in the U.S. and help strengthen the U.S. position in the solar industry. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5549739&ResultCategoryType=2,7&NewsPageID=3>>

Sharp: <<http://www.sharpusa.com/>>

For an article on Senator Alexander's proposed legislation -- "Federal Solar Energy Bill Rewards State Leadership" by Jesse Broehl at RenewableEnergyAccess, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24779>>

#### ***IREC/MSR/Interconnection Newsletters [Jane Pulaski, Rusty Haynes] 4-8-05***

The Interstate Renewable Energy Council's latest newsletter covering headlines from IREC's program areas can be found at: <<http://irecusa.org/>>, <<http://www.irecusa.org/commout/enewsletter.html>>, with coverage of schools going solar, interconnection/net metering, incentives/rebates headlines, community outreach, and other topics.

The April 2005 edition of the IREC Interconnection Newsletter is available at

<<http://irecusa.org/connect/enewsletter.html>>. The newsletter covers state, national, international and industry news; publications and announcements; people; and events -- with the content pertaining to interconnection and net metering issues, distributed generation, and grid security.

#### ***Renewable Energy Wall Map 4-8-05***

For information on Global Energy Decisions' "Renewable Energy 2005" wall map, see:

<<http://www.globalenergy.com/maps/renewables-map.asp>>. The wall map displays existing renewable energy projects, proposed renewable energy projects, transmission infrastructure, a nation-wide composite of wind resource measurements, facility information, and reference features.

#### ***"SPV 2005 Solar Photovoltaic Report Ed. 2-2005" 4-11-05***

For information on this report by ABS Energy Research, see the article at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5550640&ResultCategoryType=2,7&NewsPageID=3>>

#### ***Power Beaming 4-11-05***

For an article on Lunar Solar Power (LSP), see The Space Review at:

<<http://www.thespacereview.com/article/354/1>>

#### ***Silicon Wafers 4-12-05***

For an article on "Booming photovoltaic market expected to aid wafer makers", see EETimes at:

<<http://www.eetimes.com/news/latest/showArticle.jhtml?articleID=160701160>>

#### ***Commercial Solar Electric Customers Tax Deductions 4-13-05***

U.S. federal tax deductions for business owners provide additional financial incentives not available to residential solar electric system customers says Lee Tanner, a solar electric system installer who recently installed his first Xantrex GT 3.0 Grid Tie Solar Inverter in a 2,000 sq. ft. commercial building in Phoenix, Arizona. Story at

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=24906>>

Xantrex: <<http://www.xantrex.com/web/id/2/learn.asp>>

<<http://www.xantrex.com/web/did/960/readnews.asp>>

#### ***Renewable Electricity Capacity Forecasts 4-13-05***

Research and Markets has announced the addition of Renewable Electricity Capacity Forecasts Edition 2, 2005 to their offering. Information at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5578099&ResultCategoryType=2,7&NewsPageID=3>>

Research and Markets:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eresearchandmarkets%2Ecom%2Freports%2Fc15690&template=2,2>>

#### ***Silicon Shortage 4-14-05***

Top solar power executives voiced fears that their industry's stellar growth over the past few years might stall due to a global shortage of polysilicon. Story through Solarbuzz at: <<http://asia.news.yahoo.com/050413/3/1zbf.html>>

#### ***PowerLight President on NewsHour with Jim Lehrer 4-14-05***

PowerLight's President Dan Shugar joined another business expert and Ray Suarez to discuss the growing trade deficit. The interview, and link to audio, are available at PowerLight:

<[http://www.powerlight.com/company/media/2005/04.12.05\\_PBS-newshour.shtml](http://www.powerlight.com/company/media/2005/04.12.05_PBS-newshour.shtml)>

#### **Renewables for Arizona 4-14-05**

An increased reliance on renewable energy could generate thousands of high-paying jobs for Arizona, conserve water, and improve public health over the next 15 years according to a report compiled by the Arizona PIRG Education Fund. Press at: <<http://www.azcentral.com/arizonarepublic/business/articles/0414altenergy14.html>>  
Arizona PIRG: <<http://www.arizonapirg.org/>>

#### **Solar and Wind Energy Resource Assessment 4-15-05**

Thousands of megawatts of new renewable energy potential in Africa, Asia, and South and Central American have been discovered in a project to map the solar and wind resources of 13 developing countries. The project, called Solar and Wind Energy Resource Assessment is proving that the potential for deploying solar panels and wind turbines in these countries is far greater than previously supposed. Stories at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5623395&ResultCategoryType=2,7&NewsPageID=3>> and <<http://www.alertnet.org/thenews/newsdesk/N14317448.htm>>  
SWERA:  
<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fswera%2Eunep%2Eenet&template=2,2>>

#### **Solar Power at Harley-Davidson, Hawaii 4-18-05**

Nine months after opening the solar-powered Cycle City Harley-Davidson showroom in Mapunapuna, General Manager John Winslett says the energy-saving investment is paying off. "I could not be happier", he said. "The load we have is matched by the PV output." Story at: <<http://www.bizjournals.com/pacific/stories/2005/04/18/story8.html>>

#### **Country Attractiveness Index 4-19-05**

The UK and Spain continue their reign as the 2 most attractive national environments for renewable energy investment according to the latest quarterly Ernst & Young Renewable Energy Country Attractiveness Index. Press at: <[http://www.ey.com/global/Content.nsf/UK/Media\\_-\\_05\\_04\\_18\\_DC\\_-\\_uk\\_spain\\_renewable\\_energy](http://www.ey.com/global/Content.nsf/UK/Media_-_05_04_18_DC_-_uk_spain_renewable_energy)>  
<[http://www.r-p-a.org.uk/article\\_default\\_view.fcm?articleid=1270&subsite=1](http://www.r-p-a.org.uk/article_default_view.fcm?articleid=1270&subsite=1)>

#### **More on Silicon Shortages 4-19-05**

Solar power companies at the Semicon Europe conference last week said a global polysilicon shortage could threaten solar industry growth. For additional coverage, see:  
<<http://www.redherring.com/Article.aspx?a=11817&hed=Shortages+May+Hit+Solar+Power&sector=Regions&subsector=Europe>>

#### **Green Power Programs [Blair Swezey] 4-19-05**

The National Renewable Energy Laboratory released its annual ranking of leading utility green power programs. Using information provided by utilities, NREL develops "Top 10" rankings of utility programs in the categories of: total sales of renewable energy to program participants, total number of customer participants, customer participation rate, and the lowest price premium charged for a green pricing service using new renewable resources. For information, see:  
<[http://www.nrel.gov/news/press/2005/1405\\_nrel\\_highlights.html](http://www.nrel.gov/news/press/2005/1405_nrel_highlights.html)>  
<<http://www.eere.energy.gov/greenpower/>> (see Features)  
Other Press: <<http://biz.yahoo.com/bw/050418/186270.html?.v=1>>

#### **Americans for Solar Power Analyses of Solar Electricity Benefits 4-20-05**

A report, spearheaded by Americans for Solar Power (ASPV), specifically articulates and quantifies 14 key areas where PV power provides added value to ratepayers, the electric grid and to utilities. "I don't think the industry has been focused on showing these extra values", said Shirley Neff, an energy economist and adjunct professor at Columbia University who contributed to the report. See the articles at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=apAcD8y1i9sf?id=25185>>  
<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=25191>>  
ASPV: <<http://www.forsolar.org/>>  
ASPV, Value of Solar: <<http://www.forsolar.org/?q=taxonomy/term/36>>

#### **PV a Multibillion-dollar Market 4-20-05**

The Washington File is featuring a series of articles on renewable energy. For the article "Solar Cells Increasing Use of Electricity from Sunlight", see: <<http://usinfo.state.gov/xarchives/display.html?p=washfile-english&y=2005&m=April&x=20050419124501lcniellep0.8711206&t=livefeeds/wf-latest.html>>

#### **Top 50, 100, 150 PV Plants 4-20-05**

For information on top PV plants around the world, see the website at:  
<<http://www.pvresources.com/en/top50pv.php>>  
(dismantled plants or plants out of operation are marked with light grey color)

#### **Post-Kyoto Regime 4-20-05**

Japan's top global warming negotiator called for international action to include the United States, China, and India in a new framework aimed substantially at cutting emissions of greenhouse gases, an issue expected to come up at the summit of the Group of Eight nations in July. Per this article, Japan will put the greatest emphasis on environmental dimensions in extending official development assistance to China. Japan plans to increase technical cooperation with China, envisioning transfer of new energy technology such as wind, solar and biomass. Story at: <http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5739400&ResultCategoryType=2,7&NewsPageID=3>

#### **PVACCEPT [Ken Zweibel] 4-21-05**

For an overview of the PV ACCEPT project, a German-Italian research project that was funded by the European Commission within the programme "Innovation and Small and Medium Sized Enterprises", see the website at: <http://www.pvaccept.de/eng/index.htm>. The project was aimed at designing and developing marketable solar modules for electricity generation, which are designed in a way to enable their sensitive and inconspicuous integration into old buildings, historical sites, and protected landscapes. The project concluded December 2004, and the final report dated February 2005 can be downloaded at the website.

#### **Support for Efficiency, Renewable Energy Funding 4-21-05**

In a letter delivered today, 32 member groups of the Sustainable Energy Coalition urged Congress to restore funding in the USDOE fiscal year 2006 energy efficiency and renewable energy programs. The letter was sent to the members of the Senate and House serving on the respective Energy & Water Subcommittees of the Congressional Appropriations Committees. Story at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=25441>  
Sustainable Energy Coalition: <http://www.sustainableenergy.org/>

#### **Indium Supplies [Harin Ullal] 4-21-05**

For an article on indium prices and supply, see: [http://www.three-fives.com/optoelectronic\\_news/FEB05\\_opto\\_news/280205Indium\\_shortage.htm](http://www.three-fives.com/optoelectronic_news/FEB05_opto_news/280205Indium_shortage.htm)

#### **Future of Power Generation [Amy Cole] 4-21-05**

"The Future of Power Generation: Costs of Renewable and Traditional Technologies" is a management report that analyzes the determinants of the baseline cost of generating and delivering electricity. For information on this report from Research and Markets, see: <http://www.researchandmarkets.com/reports/c16108/>

#### **Shea Homes and PerfectPower "Extreme Makeover" 4-21-05**

The solar electric and wind power electric systems for ABC's "Extreme Makeover: Home Edition" May 22 show are being provided through PerfectPower, Inc. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR486.htm>  
PerfectPower: <http://www.perfectpower.net/>

#### **Interstate Renewable Energy Council Newsletter [Jane Pulaski] 4-22-05**

For the latest headlines from IREC's Going Solar and the Department of Energy's Million Solar Roofs (MSR) E-newsletter, see: <http://www.irecusa.org/>  
Topics include Schools Going Solar, Interconnection/Net Metering, Community Outreach, Training and Certification, Million Solar Roofs, and other areas.

#### **Special Commentary on the Energy Bill 4-26-05**

For a Special Commentary on the U.S. House Energy Bill by Scott Sklar, see RenewableEnergyAccess at: <http://www.renewableenergyaccess.com/rea/news/story?id=27465>  
RenewableEnergyAccess previous article: <http://www.renewableenergyaccess.com/rea/news/story?id=26601>

#### **PV Manufacturing R&D 4-27-05**

The U.S. Department of Energy, National Renewable Energy Laboratory, and Sandia National Laboratories unveiled the updated website for the PV Manufacturing R&D Project (PVMR&D), a cost-shared, research partnership with the U.S. PV industry geared toward reducing manufacturing costs while significantly scaling up production capacity. The PVMR&D website gives the public access to information on the both current and past manufacturing research accomplishments, as well as project history, impact, and publications. Visit the website at the new URL: [http://www.nrel.gov/ncpv/pv\\_manufacturing/](http://www.nrel.gov/ncpv/pv_manufacturing/)  
DOE Solar Energy Technologies Program: <http://www.eere.energy.gov/solar/>



#### **Solar Industry Self-regulation 4-27-05**

Through its involvement with the Canadian Solar Industries Association, ICP Solar has taken a leading role in advancing the standardization of the solar industry in Canada. Says Sass Peress, CEO, "The Canadian solar industry is at a pivotal moment. If the public's confidence is lost due to an absence of standards and misleading performance claims by some disreputable manufacturers, it will be very difficult to ever recover. As an industry, we need to help consumers understand what they are buying." Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=27715>>

ICP Solar Technologies: <<http://www.icpsolar.com/>>

#### **IEA, Energy Indicators for Sustainable Development 4-27-05**

Per this publication announcement, countries' progress toward energy-sector sustainability can now be measured using a set of energy indicators just released in a new multi-agency publication, "Energy Indicators for Sustainable Development: Guidelines and Methodologies". To download, see:

<[http://www.iea.org/Textbase/publications/newfreedetail2.asp?F\\_PUBS\\_ID=1360](http://www.iea.org/Textbase/publications/newfreedetail2.asp?F_PUBS_ID=1360)>

#### **EERE Network News [Kevin Eber] 4-27-05**

For news on Air Force green power purchases, the renewable energy requirement in the District of Columbia, Iowa Governor's orders on efficiency and renewable energy, Idaho financing and tax rebates for renewable projects, and more on solar and wind potential in developing countries (the SWERA project), see the latest edition of EERE Network News at: <<http://www.eere.energy.gov/news/>>

#### **Solar Neighbors 4-28-05**

For an interview with actor Edward Norton covering the project with BP Solar called "Solar Neighbors", see:

<<http://www.grist.org/news/maindish/2005/04/27/little-norton/>>

<<http://www.solarneighbors.com/>>

The Enterprise Foundation: <<http://www.enterprisefoundation.org/>>

#### **President Bush's Energy Priorities 4-29-05**

For the text of remarks by President Bush on energy priorities, delivered at the Small Business Administration's National Small Business Week Conference, see:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE0A6D67F-D74E-4F5D-8384-754EDED6A4D%7d&siteid=mktw&dist=nbk&sym=>>>

#### **Renewables and Energy Efficiency Congressional Appropriations 4-29-05**

Sixty-seven members of the U.S. House of Representatives are calling upon congressional appropriators to significantly increase funding for the U.S. Department of Energy's energy efficiency and renewable energy programs above fiscal year 2006 levels proposed by the White House. Story and text of the letter at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aqN6aV50QEPe?id=27802>>

#### **4,500 MW of PV by 2010 in Europe 4-29-05**

Europe will have 4,500 MW of solar PV installed by 2010, according to the latest forecast from 6 renewable energy groups on the continent. For more on this story, and a link to the forecast report, see ReFocus at:

<[http://www.sparksddata.co.uk/refocus/fp\\_showdoc.asp?docid=53730410&accnum=1&topics=>](http://www.sparksddata.co.uk/refocus/fp_showdoc.asp?docid=53730410&accnum=1&topics=>)>

<<http://www.sparksddata.co.uk/refocus/newsdesk.asp?accnum=1>>

ReFocus News-in-Brief:

<[http://www.sparksddata.co.uk/refocus/fp\\_showdoc.asp?docid=2300662&accnum=1&topics=>](http://www.sparksddata.co.uk/refocus/fp_showdoc.asp?docid=2300662&accnum=1&topics=>)>

#### **Largest Grid-connected Solar Power Project in China [Kevin Eber] 4-29-05**

With the support of the National High-technology Development Program, scientists and engineers from the CAS Institute of Electrical Engineering have recently completed a study on key technologies for megawatt-level building-integrated and grid-connected PV power generation. For the story and photo, see:

<<http://english.cas.cn/eng2003/news/detailnewsb.asp?InfoNo=25461>>

#### **Irvine, California on The Million Solar Roofs Bill 4-29-05**

The Irvine City Council voted unanimously to endorse the Million Solar Roofs Bill, SB 1, the second California city to do so. The City of Santa Cruz endorsed SB 1 last month. Story at:

<[http://www.ems.org/nws/2005/04/29/city\\_of\\_irvine\\_e](http://www.ems.org/nws/2005/04/29/city_of_irvine_e)>



## Solicitations, RFPs, LOIs, etc. & Awards

### **APS Draft RFP 4-1-05**

Arizona Public Service Company issued a draft request for proposals seeking renewable energy resources for delivery beginning in 2006. A pre-bid conference will be held April 13. Information at:

<<http://www.aps.com/aps/rfp/default.html>>

<<http://www.aps.com/aps/rfp/renewable/default.html>>

### **Pacific Gas & Electric Company Grants 4-1-05**

Pacific Gas and Electric Company announced it has issued a request for proposals and will fund \$1.5 million in Solar Schools Program grants to assist local public schools with energy resources, science projects, and specialized solar science curriculum for teachers. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5545673&ResultCategoryType=2,7&NewsPageID=3>>

PG&E Solar Schools Program: <<http://www.pge.com/solarschools/>>

### **NYSERDA's Renewable Energy Technology Manufacturing Incentive Program [John Martin] 4-4-05**

The New York State Energy Research and Development Authority invites proposals for the Renewable Energy Technology Manufacturing Incentive Program, to expand the level of manufacturing of electric-generating renewable energy products in New York. NYSERDA has increased the total funding available to this program from \$2 million to \$4 million to ensure that funds are available for the final due date. For a copy of the full solicitation, see:

<[http://www.nyserda.org/includes/funding\\_content\\_pop.asp?i=PON%20827](http://www.nyserda.org/includes/funding_content_pop.asp?i=PON%20827)>

### **Pennsylvania's Energy Development Authority \$10 Million Guidelines 4-4-05**

The Pennsylvania Energy Development Authority released new guidelines for \$10 million in available financial assistance to build clean energy projects in the Commonwealth. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5546346&ResultCategoryType=2,7&NewsPageID=3>>

PEDA: <<http://www.dep.state.pa.us/>>

### **SCE Renewable Power 4-18-05**

Southern California Edison announced its intention to conduct its 3rd competitive solicitation in the last 3 years for additional renewable power contracts. "We are on track to reach California's renewable power standard of 20% for utilities well ahead of schedule", said SCE Vice President of Power Procurement Pedro Pizarro. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?dist=nbk&param=archive&siteid=mktw&guid=%7BB8B134A1%2D8A35%2D4BD2%2D9074%2D7B6923688123%7D>>

SCE Documents: <<http://www.sce.com/AboutSCE/Regulatory/qualifyingfacilities/RPS2005.htm>>

### **Nano Grants 4-19-05**

The National Academies Keck FUTURES Initiative interdisciplinary research grants provide seed funding to FUTURES Conference research participants, on a competitive basis, giving researchers an opportunity to explore new research areas, learn new skills, and/or collaborate across disciplines. For example, the FUTURES initiative recently announced that Yale Assistant Professor of Mechanical Engineering David LaVan and Andrew Ellington of the University of Texas at Austin are recipients of a FUTURES grant for \$75,000 to support "Nano-Biocomposites for Conversion of Sunlight to Electricity". For information on these grants, see:

<<http://www4.nationalacademies.org/news.nsf/isbn/04132005c?OpenDocument>>

<[http://www7.nationalacademies.org/keck/Keck\\_Futures\\_Grants.html#P10\\_860](http://www7.nationalacademies.org/keck/Keck_Futures_Grants.html#P10_860)>

### **Boulder, Colorado PV RFQ [CRES Director] 4-20-05**

The City of Boulder, Colorado has issued a request for qualifications from companies interested in designing and installing PV systems to provide approximately 1.5 MW of electricity. Information at:

<<http://www.ci.boulder.co.us/finance/purchasing/finophp.htm>>

CRES: <<http://www.cres-energy.org/>>

### **Ontario Renewables 4-20-05**

Ontario is asking the private sector to submit bids to build up to 1,000 more megawatts of green energy. Companies are being invited to submit proposals for wind, water, solar, biomass and landfill gas projects. Information at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5727550&ResultCategoryType=2,7&NewsPageID=3>>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5723719&ResultCategoryType=2,7&NewsPageID=3>>

Ontario Electricity RFP:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eontarioelectricityrfp%2Eca&tempate=2,2>>

#### **Connecticut Clean Energy Fund RFP 4-26-05**

The Connecticut Clean Energy Fund has extended the date for submissions of applications under a Request for Proposals for its "Project 100" Program. Information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=27456>>

Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

#### **Request for Bids, PV System in California 4-29-05**

The San Francisco Public Utilities Commission gave General Manager Susan Leal authorization to move forward in requesting bids and negotiating a contract to design and build a \$2.4 million, 300-kW solar electric system on the roof of the Northpoint Water Pollution Control Plant. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR495.htm>>

San Francisco Public Utilities Commission: <<http://sfwater.org/home.cfm>>

### **Competitions**

#### **Solar Schools 4-8-05**

The International Solar Energy Society and the American Solar Energy Society have joined the effort with the 2005 Solar Schools – Brighter Future International Competition. This international contest calls for student art and essays that express how solar energy is technology that's available now and to anyone. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=24721>>

Solar Schools – Brighter Future: <<http://www.ises.org/ises.nsf!Open>>

ASES: <<http://www.ases.org/>>

#### **Solar Car 4-11-05**

Henkel announced its official sponsorship of Momentum, the University of Michigan's eighth-generation solar car team. Momentum is designed to race in two different solar car races. The first is the North American Solar Challenge, and the second is the Australian World Solar Challenge. Press at:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b9446947B-3469-449F-806F-453EC603698F%7d&siteid=mktw&dist=nbk&symb="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b9446947B-3469-449F-806F-453EC603698F%7d&siteid=mktw&dist=nbk&symb=)

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

World Solar Challenge: <<http://www.wsc.org.au/2005/competition/>>

#### **Clean Energy Business Contest 4-18-05**

On 27 April, entrepreneurs will compete at MIT in the final round of a business plan presentation contest designed to encourage innovative solutions and investment in the Massachusetts' clean energy industry. For information, and a list of the finalists, see:

<[http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bCAF4BBD7-0BDD-4A64-B2B3-94042DCF5A64%7d&siteid=mktw&dist=nbk&symb="](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bCAF4BBD7-0BDD-4A64-B2B3-94042DCF5A64%7d&siteid=mktw&dist=nbk&symb=)

MIT Forum: <<http://www.mitforumcambridge.org/EnergySIG/IgniteCleanEnergy.html>>

#### **Solar Car 4-19-05**

In commemoration of Earth Day 2005, Motorola, Inc. is inviting Chicago-area media to an exclusive showing of Momentum, the solar car designed and raced by engineering students at the University of Michigan. Momentum will compete in this summer's North American Solar Challenge. More on this car and media event at:

<<http://www.theautochannel.com/news/2005/04/18/041676.html>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

#### **Stanford Solar Car Project 4-25-05**

For coverage of Stanford University's solar car that will compete in the 2005 North American Solar Challenge in July, see the story at: <[http://www.tenlinks.com/NEWS/PR/dp\\_technology/042505\\_solarcar.htm](http://www.tenlinks.com/NEWS/PR/dp_technology/042505_solarcar.htm)>

<<http://www.stanford.edu/group/solarcar/>>

ESPRIT: <<http://www.dpotechnology.com/en/index.asp>>

North American Solar Challenge: <<http://www.americansolarchallenge.org/>>

## Additional

### **NASA Test of Solar Sail 4-7-05**

NASA engineers and partners are preparing to test two 20-meter long solar sail propulsion system designs. The technology bounces a stream of photons off giant, reflective sails made of light material. The continuous pressure provides sufficient thrust to perform maneuvers. Story at: <<http://www.spaceref.com/news/viewpr.html?pid=16572>>

### **Solar from Clean Air Act Settlement 4-13-05**

For more on the recent settlement between FirstEnergy Corporation's subsidiary, Ohio Edison, and the government, which includes new commitments to wind power and solar energy as mitigation measures, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=24950>>  
Clean Air Act Settlement: <<http://www.epa.gov/compliance/resources/cases/civil/caa/ohioedison.html>>

### **NASA's New Technologies Testing 4-14-05**

The New Millennium Program tests and validates the performance of leading-edge technologies in space so that they can be used in future science missions. Examples of New Millennium missions include advanced solar arrays. For more on this testing, including the Ultraflex Next Generation Solar Array System, see the story at: <[http://www.universetoday.com/am/publish/testing\\_technologies\\_space.html?1342005](http://www.universetoday.com/am/publish/testing_technologies_space.html?1342005)>

### **ASES Annual Awards [Dona McClain] 4-21-05**

The deadline for nominations for the American Solar Energy Society Annual Awards is May 1. ASES honors persons making significant contributions to the field of solar and renewable energy, and to the Society each year. For more information, click on Awards at the ASES website: <<http://www.ases.org/>>

March 2005

Solar Installations, Projects

**Nevada, Water District PV 3-2-05**

The Las Vegas Valley Water District and Nevada Power Company have approved contracts with PowerLight Corporation to proceed with a 3.1-MW solar power project. Said Pat Mulroy, the District's General Manager, "The District's mission is to provide reliable, quality water and to ensure the sustainability of our desert community. This project is part of our continuing commitment to serve our customers and protect our environment. It will provide visitors to the Springs Preserve with a direct experience with clean power generation." Details at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR464.htm>>

PowerLight: <<http://www.powerlight.com/>>

**GE Energy Solar for New York Community 3-2-05**

GE Energy is supplying its solar energy equipment to Rieger Homes for a residential development in Cornwall, New York. GE Energy is providing 2.64 kW roof-mounted solar electric systems featuring GEPV165-M solar power modules. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR465.htm>>

GE Energy: <<http://www.gepower.com/home/index.htm>>

**Phonix SonnenStrom PV in San Salvador 3-3-05**

Phonix SonnenStrom AG is installing a PV system on the roof of the German School in a suburb of the capital city of San Salvador. It is one of 4 projects awarded under the "Solar Roofs on German Schools and Facilities Abroad" program. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsSAPR30.htm>>

Phonix SonnenStrom AG: <<http://www.sonnenstromag.de/>>

**BIPV Project in California 3-3-05**

Developer Clarum Homes completed a 132-apartment community in Watsonville, California, with a 60 kW system of building integrated PV roofing tiles supplied by GE Energy. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23305>>

GE Energy: <<http://www.gepower.com/about/press/en/index.htm>>

Clarum: <<http://www.clarum.com/>>

**WorldWater & Power Solar Pumping Project 3-4-05**

WorldWater & Power Corporation has signed a \$1.8M contract to supply solar-generated electricity for a tree farm in California. The farm owner said, "We're happy to use environmental measures to do our work. With this advanced solar technology we will be conserving electricity and water and reducing our operations costs." Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR466.htm>>

WorldWater & Power: <<http://www.worldwater.com/>>

**Florida's SunSmart Schools Program 3-4-05**

The Department of Environmental Protection, with JEA, has started up a solar electric system at a high school in Jacksonville under Florida's SunSmart Schools Program. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=23352>>

Florida Solar Energy Center: <<http://www.fsec.ucf.edu/>>

**Morocco Solar Thermal 3-4-05**

The African Development Bank approved a loan of EUR 136.45 million to finance the construction of an integrated solar thermal combined cycle power station in Ain Beni Mathar. The project is a new initiative both for the kingdom of Morocco and the ADB. Story at: <<http://www.harolddoan.com/modules.php?name=News&file=article&sid=1328>>

**Expansion of German Airport PV 3-7-05**

The 1.4 MW PV system installed at Saarbrücken Airport last year will be expanded. After completion in August of this year, the rated output of the total facility will increase by 2.2 MWp to 3.6 MWp. The original facility was planned, built, and commissioned by City Solar AG and financed through Voltwerk AG. City Solar is planning a total of 14 MW of installations in 2005, including a 4.4 MW expansion of the installation at the Gottelborn mine. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsEUPR204.htm>>

City Solar: <<http://www.city-solar-ag.de/eng/pag.htm>>

**PowerLight PV Project for Las Vegas Valley Water District 3-7-05**

The Las Vegas Valley Water District and Nevada Power Company jointly announced regulatory approval of contracts with PowerLight Corporation to proceed with a 3.1 MW solar power project. Story at: RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23424>>

For PowerLight press coverage, see: <<http://www.powerlight.com/company/press-releases/2005/03.02.05-lasvegas.shtml>>

### **California, Solar Possible at Fort Bragg 3-7-05**

City Council members received a presentation on the viability of installing solar power at city facilities. A city representative introduced Nicole Clock and Todd Lindstrom of Sun Power and Geothermal Energy, who gave a detailed analysis of 7 sites, showing which sites could produce the best cost returns to the city. More on the presentation through Solarbuzz at: <<http://www.advocate-news.com/Stories/0,1413.95%7E3977%7E2742599,00.html>>  
Sun Power & Geothermal Energy: <[http://www.sunpowergeothermal.com/press\\_room.html](http://www.sunpowergeothermal.com/press_room.html)>

### **Solar Powered Homes in UK 3-7-05**

Planners say that 64 bedsits in West Yorkshire are being demolished to make way for 79 energy efficient homes that will be fitted with solar panels. Story at: <[http://news.bbc.co.uk/1/hi/england/west\\_yorkshire/4304131.stm](http://news.bbc.co.uk/1/hi/england/west_yorkshire/4304131.stm)>

### **California, Solar and Wind at Victorville Prison 3-7-05**

A solar and wind energy system goes into operation later this month at Victorville's federal prison in California. The project was designed and developed by NORESKO, a Massachusetts-based energy services company. More on this project at: <<http://www.sbsun.com/Stories/0,1413,208~12588~2748472,00.html>>  
NORESKO: <<http://www.noresco.com/site/content/index.asp>>

### **California, Natural Products PV System 3-8-05**

SolarCraft announced they have commissioned a 106-kW PV system for Avalon Natural Products of Petaluma. SolarCraft Services engineered and installed the non-penetrating, roof-mounted system manufactured by RWE SCHOTT Solar, and installed RWE SCHOTT's ASE 300 solar panels. Story at: <<http://www.solarbuzz.com/News/NewsNAPR467.htm>>  
SolarCraft: <<http://www.solarcraft.com/>>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/cms/us/webseite.aspx?navid=56>>

### **New Jersey Solar Electric System 3-9-05**

New Jersey American Water will soon install a 500-kW ground-mounted solar electric system at its Canal Road Water Treatment Plant in Somerset. The system will be designed and built by Dome-Tech Solar and will include more than 2,800 solar panels from RWE SCHOTT Solar. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bDC4404AC-7834-4779-8307-8888CFF28318%7d&siteid=mktw&dist=nbk&symb=>>>  
Dome-Tech Solar: <[http://www.dometechsolar.com/who\\_we\\_are/solar.asp](http://www.dometechsolar.com/who_we_are/solar.asp)>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/cms/us/webseite.aspx?navid=56>>

### **Apex-BP Solar Contract 3-10-05**

The Zambia Social Investment Fund has awarded a contract to Apex-BP Solar to install solar panels at 121 community-based organizations and 9 schools in rural areas. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5040495&ResultCategoryType=2,7&NewsPageID=3>>  
Apex-BP Solar: <<http://www.apex-bpsolar.com/site/index.php>>

### **Solar Electrification in Philippines 3-10-05**

Mirant Philippines has commissioned solar systems for 160 barangays in the Autonomous Region in Mindanao to provide electricity to 16,000 residents in 3,000 homes. The program is part of Project Beacon. See News-in-Brief at ReFocus: <[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=64527529&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=64527529&accnum=1&topics=>)>  
Mirant: <<http://www.mirant.com/locations/philippines.html>>

### **CalTrans PV Array 3-14-05**

A building integrated PV array on the CalTrans District 7 Headquarters building has been completed and is operational. Atlantis Energy Systems, Inc. worked with Morphosis architects and Clark Construction on the design/build project. Story and photo coverage at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR469.htm>>  
Atlantis Energy Systems: <<http://www.atlantisenergy.org/>>

### **India, Solar Power Lights 3-14-05**

Gujarat Electricity Development Agency has installed solar panels over the "kutcha" houses and made solar power available in the remote village of Kanjal. Story through Solarbuzz at: <<http://cities.expressindia.com/fullstory.php?newsid=120895>>

### **California, Solar-Gas Fired Power Plant 3-14-05**

Victorville City Council voted to allocate \$5 million for a permit to build a 500-MW solar thermal/gas-fired power plant near the existing High Desert Power Project at the airport. The permitting process takes from 21 months to 2 years according to Thomas Barnett, executive vice president at Inland Energy, Inc., which developed the High Desert Power Project and hopes to develop the hybrid plant. Story at:

<[http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2\\_2&NewsID=5103983&ResultCategoryType=2,7&NewsPageID=3](http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2_2&NewsID=5103983&ResultCategoryType=2,7&NewsPageID=3)>

### **California, Westlake Village Solar 3-15-05**

A 146-kW PV system is being installed at K-Swiss headquarters by Westlake Village contractor Solar Electrical Systems. The project is the first of 6 large commercial projects SES has contracted this year in the Conejo Valley.

Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR470.htm>>

Solar Electrical Systems: <<http://www.solarelectricalsystems.com/>>

### **SPS Energy Solutions for Nevada 3-15-05**

SPS Energy Solutions Inc. announced they have been awarded a 2-year contract by the State of Nevada to design and supply solar power systems for the state's remote mountain top communications sites. Story at

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=23769>>

SPS Energy Solutions: <<http://www.spsenergy.com/pages/powerSolutions/telecomm.htm>>

### **Multi-MW PV System 3-16-05**

A new, possibly world record-breaking PV system is in the planning stages for construction in Rhineland-Palatinate at the former NATO airport Pferdsfeld where there's enough space to build a 15 to 18 MW PV system. Story at Photon International: <[http://www.photon-magazine.com/news/news\\_2005-03\\_eu\\_sn\\_Pferdsfeld.htm](http://www.photon-magazine.com/news/news_2005-03_eu_sn_Pferdsfeld.htm)>

### **SunPower in Philippines 3-16-05**

A solar array manufactured by SunPower Corp. was dedicated at the Eternal Flame monument at the "Topside" site on Corregidor Island. Said Greg Reichow, plant manager of SunPower Philippines, "The new solar lighting system is the first in a series of applications that SunPower will install in the Philippines over the coming year." Said Don Mika, president of Cypress Manufacturing Ltd., "Cypress is pleased with the performance of its SunPower subsidiary and sees a future of additional manufacturing growth as well as direct application of its products in an effort to help ensure that every citizen of the country has access to the convenience of modern electric power." Story at: <<http://i-newswire.com/pr10554.html>>

SunPower: <<http://www.sunpowercorp.com/html/>>

### **More on SunPower PV at the Eternal Flame Monument, Philippines 3-17-05**

For a story and photos of the new memorial in the Philippines, with solar-powered lighting using SunPower modules, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=23874>>

SunPower Corporation: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=1887>>

### **United Arab Emirates Solar 3-17-05**

Pacific Controls is building a solar energy-powered property for its 4-story headquarters at the Dubai Techno Park.

Press at: <<http://www.ameinfo.com/news/Detailed/55970.html>>

<<http://www.ameinfo.com/news/Detailed/55919.html>>

### **Johnson & Johnson PV Project 3-18-05**

Johnson & Johnson has been given the go-ahead by the Planning Board to erect a 120,000-square-foot solar energy system at its Skillman campus in New Jersey. The system will be a PowerLight Corporation, PowerTracker ground-mounted system. Story at:

<[http://www.zwire.com/site/news.cfm?newsid=14172353&BRD=1091&PAG=461&dept\\_id=425695&rfl=6](http://www.zwire.com/site/news.cfm?newsid=14172353&BRD=1091&PAG=461&dept_id=425695&rfl=6)>

PowerLight: <[http://www.powerlight.com/company/media/2005/02.13.05\\_TrentonTimes\\_JJ.shtml](http://www.powerlight.com/company/media/2005/02.13.05_TrentonTimes_JJ.shtml)>

### **Germany, Multi-MW PV Installation 3-21-05**

European Energy Consult Holding is planning to move forward with a 5 MW PV project near Dresden in Saxonia.

Said Michael Bode, on the executive committee of EECH AG, "Just a few years ago, renewable energy was a topic discussed in terms of visions. Those times are long past. Now that vision has become reality." Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsEUPR205.htm>>

EECH: <<http://www.eech-ag.de/solar/>>

### **California, Caltrans District Solar 3-21-05**

Consulting firm ARUP planned for energy efficiency in the Caltrans District 7 Headquarters building, and included a façade on the high-rise that was designed to host building-integrated PV. Atlantis Energy Systems recently



completed the building's façade with an 84-kW BIPV array of vision glass panels. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=23993>>  
Atlantis Energy Systems: <<http://www.atlantisenergy.org/>>

#### **California, Wine Co-Operative Solar Power 3-21-05**

The Wine Service Co-operative in Napa Valley has commissioned a 424 kW solar electric system to be furnished by PowerLight Corporation. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR474.htm>>  
PowerLight: <<http://www.powerlight.com/>>

#### **Cooper-Garrod Vineyards Solar Power System 3-22-05**

Cooper-Garrod Vineyards officially commissioned its 17-kW solar power system, the second Santa Cruz Mountains winery to install an Akeena Solar system in a year. Story and photo at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR475.htm>>  
Akeena: <<http://www.akeena.net/>>  
<[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=83074](http://www.marketwire.com/mw/release_html_b1?release_id=83074)>

#### **California, More on Wine Co-op Solar 3-23-05**

The Wine Service Co-operative has commissioned a 424 kW solar electric system, to be furnished by PowerLight, for its Napa Valley facilities. For more on the story, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=24023>>  
and the PowerLight Press at: <<http://www.powerlight.com/company/press-releases/2005/03.22.05-winecoop.shtml>>

#### **California, Solar Schools 3-23-05**

Working with Solar Integrated Technologies, the San Diego Unified School District is re-roofing 15 schools with solar roofing material. More on this story at: <<http://www.signonsandiego.com/news/metro/louv/20050322-9999-lz1e22louv.html>>  
Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

#### **New Jersey Campus Solar 3-23-05**

New Jersey Institute of Technology installed a 5-kW solar system on the roof of its new campus center, and received a rebate from the New Jersey Board of Public Utilities to offset the cost of installing the system. Said Leon Baptiste, the engineer who installed the system and President of LB Electric, Newark, "It's the best solar-electric array I've seen. It should be a model for other universities and businesses, across the state". Story at: <<http://www.azobuild.com/news.asp?newsID=770>>  
<[http://www3.eurekaalert.org/pub\\_releases/2005-03/njio-nti031805.php](http://www3.eurekaalert.org/pub_releases/2005-03/njio-nti031805.php)>

#### **New York City Sustainable Construction [Ed Kern] 3-24-05**

Two New York City subway stations will have environmentally advanced renovations, including PV panels above their elevated platforms. The projects are part of the Design for the Environment program of the Metropolitan Transit Authority and its New York City Transit division. More on these projects, and the PV panels, at: <[http://newyork.construction.com/features/archive/0503\\_cover.asp](http://newyork.construction.com/features/archive/0503_cover.asp)>

#### **Generation Solar Project 3-25-05**

For a story on Generation Solar, a project of San Francisco's Department of the Environment and the San Francisco Public Utilities Commission, see the article at: <<http://www.sfbayview.com/032305/solarpower032305.shtml>>

#### **California, Vacaville Solar 3-28-05**

A 45-kW PV system will provide the energy needed to run electric vehicle recharging stations at the Bella Vista Road Park and Ride Lot 6, as well as all the lighting for the site, while also providing shelter for several parking spaces. Story through Solarbuzz at: <[http://www.thereporter.com/news/ci\\_2622106](http://www.thereporter.com/news/ci_2622106)>

#### **Ballpark Solar 3-28-05**

A small PV array to be installed on the San Francisco Giants' office will serve as an advertisement for Sharp Electronics Corp. as well as a test system prior to possible installation of a larger system. Story through Solarbuzz at: <<http://www.sfgate.com/cgi-bin/article.cgi?f=c/a/2005/03/26/BUGTOBUVV71.DTL>>

#### **Navajo Solar 3-29-05**

Thanks to a partnership between Sacred Power and the Navajo chapter houses of Torreon and Ojo Encino, 50 homes in New Mexico, among the 10,000 homes without electricity on the Navajo Nation, are receiving electricity generated using PV systems designed, manufactured, and installed by Sacred Power. Story at: <<http://www.indiancountry.com/content.cfm?id=1096410649>>  
Sacred Power: <<http://www.sacredpowercorp.com/whatsnew.htm>>

### **GE Consumer Finance 3-29-05**

GE Consumer Finance's Retail Sales Finance unit began offering credit to homeowners last year for PV systems. For a story on application of this financing to a project in California, see the press at:

<[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20050328005517&newslang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050328005517&newslang=en)>. Said Dean Marks, president of Premier Power, "GE Consumer Finance looked at us very carefully to make sure the product was reliable. We actually sell solar electric power systems that are made by GE Energy. We believe that being able to see how another division of their own company was involved in solar manufacturing helped GE Consumer Finance decide to get involved in financing ... customers".

GE Consumer Finance: <<http://www.geconsumerfinance.com/>>

### **Fuel Cell & Solar Power Installation 3-30-05**

The Long Island Power Authority dedicated the first combined use of solar power and fuel cell systems on Long Island. The systems will provide electric power and domestic hot water to the Local 25 International Brotherhood of Electrical Workers headquarters in Hauppauge. The rooftop solar power system comprises 81 PV panels in a 3-array configuration and was installed by electrician volunteers at the IBEW Local 25. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b952AAE9F-ECC3-4CC9-98CC-682CCF115B20%7d&siteid=mktw&dist=nbk&symb=>>

LIPA: <<http://www.lipower.org/>>

### **Sharp and the Giants 3-30-05**

Complementing a highly visible Sharp Solar sign in left center field, Sharp will install a 4.5 kW solar energy system on the roof adjacent to the Giants offices at SBC Park. The system will comprise 27 167-watt Sharp solar modules.

More on this partnership at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24308>>

Sharp Solar: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=2053>>

### **More on Solar from Clean Air Act Settlement [Kevin Eber] 3-30-05**

For more information on the FirstEnergy settlement, under which Ohio Edison must provide \$400,000 to fund a 52-kW solar power system in Pennsylvania, see EERE Network News at: <<http://www.eere.energy.gov/news/#8960>>

### **Solar Panels on Pennsylvania Governor's Residence 3-31-05**

A 16-panel, 2.8-kW solar electric system on the roof of the Pennsylvania Governor's residence was installed by MESA Environmental Sciences Inc., and funded by a grant from The Reinvestment Fund, Sustainable Development Fund's Solar Photovoltaic Grant Program. BP Products North America Inc. also contributed to the project. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2.2&NewsID=5515638&ResultCategoryType=2.7&NewsPageID=3>>

MESA Environmental Sciences, Inc.: <<http://www.mesaenvironmental.net/>>

BP Solar: <<http://www.bpsolar.com/ContentMap.cfm?page=5>>

## **Technology Applications**

### **PV for Hydrogen Generator 3-2-05**

Relying on sunlight and water as fuel sources, Progress Energy Florida is constructing a sustainable hydrogen generator and fuel cell for the Florida Department of Environmental Protection at a state wildlife park. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b2494BA6E-C67F-4E4B-9EE4-BA8E48940F28%7d&siteid=mktw&dist=nbk&symb=>>

### **Solar-powered Vehicle Barriers 3-3-05**

Intelligent Perimeter Systems announced it has completed installation of an innovative perimeter security system at a dam in the western U.S. Says IPS CEO Ronald Scherer, "The ability to operate from solar power represents a distinct advance in vehicle barrier technology. From desert locations to mountainous areas, we are taking orders for anti-terrorist vehicle barriers in places that couldn't be adequately protected prior to the introduction of our products." Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2.2&NewsID=4877961&ResultCategoryType=2.7&NewsPageID=3>>

IPS: <<http://www.ibarrier.com/>>

### **Self-compacting Solar Trash Can, New York 3-3-05**

Manhattan is testing a new trash can that is able to sense when it's full and automatically compact the garbage inside using solar power. Press at: <[http://www.newsday.com/news/local/wire/newyork/ny-bc-ny--solartrashcan0302mar02\\_0\\_1289068.story?coll=ny-region-apnewyork](http://www.newsday.com/news/local/wire/newyork/ny-bc-ny--solartrashcan0302mar02_0_1289068.story?coll=ny-region-apnewyork)>

<<http://edition.cnn.com/2005/TECH/03/03/nyc.trash.ap/index.html>>

### **Solar Power to Extend Battery Life 3-7-05**

Terion announced the launch of a solar charging option to its FleetView3® product. Solar Power Assist™ uses solar power to increase battery life and reduce overall maintenance requirements. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b320E70E2-CD4A-4E01-BBF2-6F3BE0C25920%7d&siteid=mktw&dist=nbk&symp=>>>

Terion: <<http://www.terion.com/>>

### **Renewable Energy-driven Ship 3-10-05**

A new concept for large carrier ships has been developed, with close to zero emissions capability. Per the article, solar energy will be harnessed through PV panels in the vessel's three sails, which will also help propel the vessel using wind power. Story at: <[http://www.panda.org/news\\_facts/newsroom/other\\_news/news.cfm?uNewsID=19112](http://www.panda.org/news_facts/newsroom/other_news/news.cfm?uNewsID=19112)>

### **Solar Powered Eco-Concept Vessel 3-18-05**

More on the Wallenius Wilhelmsen concept ship, which includes PV panels in the vessel's 3 sails, can be found at:

<<http://www.netcomposites.com/news.asp?2837>>

### **NASA's Spirit 3-16-05**

Spirit's work capabilities grew with a sudden jump in output from solar panels on March 9. Team members speculated that Spirit's power boost, like similar ones on Opportunity in October, resulted from wind removing some accumulated dust from solar panels. Update at: <<http://www.physorg.com/news3402.html>>

### **ICP Solar Vent 3-23-05**

ICP Solar Technologies launched its iSun SolarVENT® line of products. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAPT107.htm>>

ICP Solar: <<http://www.icpsolar.com/index2.php3>>

### **Solar for High-altitude Airship 3-23-05**

Researchers from Purdue University are developing a high-altitude craft for applications such as surveillance, homeland security, missile defense, and weather forecasting, funded by the U.S. Air Force Research Laboratory. Engineers and scientists are working to develop solar cells and an advanced fuel cell to power the craft. Press at:

<[http://www.ascibe.org/cgi-](http://www.ascibe.org/cgi-bin/ behold.pl?ascibeid=20050322.063026&time=07%2055%20PST&year=2005&public=1)

[bin/ behold.pl?ascibeid=20050322.063026&time=07%2055%20PST&year=2005&public=1](http://www.ascibe.org/cgi-bin/ behold.pl?ascibeid=20050322.063026&time=07%2055%20PST&year=2005&public=1)>

## Technology Developments

### **Imperial College London Solar Cell 3-2-05**

According to an Electronics Weekly article, Imperial College London has developed single-junction solar cell with close to 27% efficiency, per Professor Keith Barnham. Story at:

<<http://www.electronicweekly.co.uk/articles/article.asp?liArticleID=38918&liArticleTypeID=1&liCategoryID=4&liChannelID=109&liFlavourID=1&sSearch=&nPage=1>>

### **Holographic-based PV Module Technology [Rick Lewandowski] 3-11-05**

Direct Global Power, Inc. has acquired an exclusive license to patents of a Holographic Planar Concentrator technology for power modules and specialty applications from The Illinois Institute of Technology. The technology uses holographic film to spectrally select targeted wavelengths and direct them onto solar cells. See news and photo at Direct Global Power, Inc: <<http://www.directglobalpower.com/consulting.html>>

Illinois Institute of Technology: <<http://www.iit.edu/>>

### **Holographic-based PV Module Technology [Rick Lewandowski] 3-14-05**

The direct link for the news item on Direct Global Power, Inc.'s Holographic Planar Concentrator technology that uses holographic film to spectrally select targeted wavelengths and direct them onto solar cells, is:

<<http://www.directglobalpower.com/news.html>>

Also see coverage at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a-dWp583pQWf?id=23716>>

### **Heat Exchanger for Solar Concentrators 3-15-05**

Solar Hydrogen Energy Corporation introduced a heat exchanger made specifically for their parabolic dish-style solar applications. See News Briefs at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23715>>

SHEC: <<http://www.shec-labs.com/>>

### **Sanyo HIT Cell Efficiency [PV Activities in Japan] 3-22-05**

Per PV Activities in Japan (subscription), Sanyo achieved a conversion efficiency of 21.6% for their Heterojunction with Intrinsic Thin-layer (HIT) solar cell. This and much more news through PV Activities in Japan, Osamu Ikki, RTS Corporation, Tokyo, email: Ikki@rts-pv.com.

Sanyo Press: <[http://www.sanyo.com/aboutsanyo/press\\_releases\\_detail.cfm?id=151](http://www.sanyo.com/aboutsanyo/press_releases_detail.cfm?id=151)>

### **Konarka and Evident Technologies Joint Research [Hilary Ives] 3-23-05**

Konarka Technologies, Inc. and Evident Technologies are collaborating on plastic solar cell research. The companies will combine Konarka's polymers with Evident's quantum dot nanotechnology to increase the sensitivity of the cells to a wider range of the spectrum, including the infrared.

Evident Technologies: <<http://www.evidenttech.com/>>

Evident Press: <[http://www.evidenttech.com:80/news/press\\_releases.php](http://www.evidenttech.com:80/news/press_releases.php)>

Konarka Technologies, Inc.: <<http://www.konarka.com/>>

Konarka Press: <[http://www.konarka.com/news\\_and\\_events/press\\_releases/2005/3\\_march/0323\\_evident\\_tech.php](http://www.konarka.com/news_and_events/press_releases/2005/3_march/0323_evident_tech.php)>

### **Sharp's New Modules 3-28-05**

Sharp Corporation has developed a new polycrystalline PV module, the NE-152AR. To accommodate the diverse range of roof styles in Japan, Sharp will introduce a 15-model line-up that includes metal-roof modules, flat-tiled-roof models, and peaked-roof/flat-roof/hipped-roof models. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsASPT33.htm>>

Sharp: <<http://www.sharp.co.jp/>>

### **XsunX Polyester Thin Films 3-30-05**

XsunX, Inc. announced recent success in reducing processing temperatures that will allow the company to expand development efforts onto a broader range of more cost efficient thin films. The company hopes to establish a viable processing method for the use of transparent polyesters such as PET and PEN, which are among the least expensive substrate solutions for Power Glass™ applications. Press at: <<http://biz.yahoo.com/pz/050330/75314.html>>

XsunX: <<http://www.xsunx.com/>>

### **More on Konarka and Evident Technologies 3-30-05**

Konarka Technologies recently agreed to work collaboratively with Evident Technologies, a company that specializes in quantum dot development and applications, with the research aimed at increasing the sensitivity of Konarka's plastic cells to a broader range of the spectrum. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24268>>

Konarka Technologies: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=1637>>

Evident Technologies: <<http://www.evidenttech.com/>>

## **Manufacturing**

### **Technology Verification Facility for Polycrystalline Silicon, Japan 3-1-05**

Tokuyama has begun the construction of a new technology verification facility for polycrystalline silicon for use in solar cells, with financial support from NEDO. The plant will employ a new manufacturing technology and will have an annual production capacity of 200 tons. Sample shipments will begin in early 2006. Story at:

<[http://www.japancorp.net/Article.Asp?Art\\_ID=9512](http://www.japancorp.net/Article.Asp?Art_ID=9512)>

### **Nevada Solar Panel Manufacturing 3-8-05**

According to this article, Las Vegas-based Suranrani's co-owner, Reba Daniel, is predicting that within a month her company will have an agreement finalized with Madrid-based solar power panel distributor and manufacturer Isfoton to open a plant in Southern Nevada. Story through Solarbuzz at:

<<http://www.lvbusinesspress.com/articles/2005/03/07/news/news05.txt>>

Isfoton: <<http://www.isofoton.com/>>

### **China, Solar Cell Production 3-15-05**

The Nanjing PV-Tech Co., Ltd. launched the construction of China's "largest and most advanced" solar cell production base in Nanjing Jiangning Development Zone. Plans for solar cell production by the Chinese Electrical Equipment Group Co., Ltd. are also highlighted. Story through Solarbuzz at:

<<http://au.news.yahoo.com/050315/3/tii2.html>>

### **Basque Solar Panel Factory 3-15-05**

Guascor's 13 million-euro solar panel factory, to be built on the Granada industrial estate in the old mining town of Ortuella just outside Bilbao, should be up and running later this year. Per the article, Guascor has entered an alliance with Amonix. Story at: <[http://www.eitb24.com/noticia\\_en.php?id=46115](http://www.eitb24.com/noticia_en.php?id=46115)>

**Silicon Crystals Inc. for Sale [Dan Castilleja] 3-15-05**

Silicon Crystals Inc. (SCI) a manufacturer of high-purity CZ grown ingots for the past 26 years serving the PV industry, semiconductor, and thin film applications, is up for sale. The contact is Dan Castilleja, 505-620-7617. Information at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAMA50.htm>>  
SCI: <<http://www.siliconcrystals.com/>>

**SunPower Production Capacity 3-16-05**

In the second half of 2005, SunPower Corporation will increase its solar cell production capacity to 50 MW. A new line will be built at the factory of the company's subsidiary, SunPower Manufacturing Ltd., located near Manila. Story at Photon International: <[http://www.photon-magazine.com/news/news\\_05-03\\_ap\\_sn\\_Sunpower%20.htm](http://www.photon-magazine.com/news/news_05-03_ap_sn_Sunpower%20.htm)>

**SolarWorld Wafer Production 3-24-05**

SolarWorld AG has secured financing for further expansion of its wafer production at its Freiberg plant. The financing consortium is headed by Sachsen LB, and the financing package will facilitate expansion of silicon wafers production from 120 MW to 220 MW by the end of 2006. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA61.htm>>  
SolarWorld AG: <<http://www.solarworld.de/>>

**More on SolarWorld Production 3-28-05**

SolarWorld AG will almost double their silicon PV manufacturing from 120 MW to 220 MW, a move expected to increase the company's market presence. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=24180>>  
SolarWorld: <<http://www.solarworld.de/sw-eng/>>

**First Solar Tripling Production Capacity [Paula Vaughn] 3-25-04**

First Solar announced the tripling of its production capacity in Ohio to approximately 75 MW, commencing March 2005. The expansion will enable First Solar to produce approximately 40 MW in 2006 and the full 75 MW in 2007. Said Mike Ahearn, CEO of First Solar, "The expansion is prompted by strong customer demand for the product and our ability to replicate the current process while continuing to rapidly increase conversion efficiencies." "The successful scale up of this advanced thin film process represents a major milestone for First Solar, marking our shift from development to high volume production", said Ahearn.  
RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/market/business/viewstory?id=24134>>  
Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAMA51.htm>>  
First Solar Press Release: <<http://www.firstsolar.com/pdf/032405FINALFirstSolarTriplesProductionCapacityto75MW.pdf>>

**Industry Business Developments, Status**

**Solar Energy Systems to Ethiopia 3-2-05**

SolarPower Israel Ltd has won a contract to supply solar power systems for an Israeli systems integrator who installs GSM equipment in Ethiopia. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsAFPR23.htm>>  
SolarPower Israel: <<http://www.solarpower.co.il/>>

**SOLON AG Sales 3-2-05**

According to preliminary figures for the 2004 financial year, solar module manufacturer SOLON AG recorded consolidated sales totaling €104.2 million, an increase of 175% over the previous year. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO167.htm>>  
SOLON AG: <<http://www.solonag.de/>>

**Philips Inverter 3-2-05**

Royal Philips Electronics launched an electronic solar inverter to address a growing demand in medium to large-scale PV systems. Information at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEUPT29.htm>>  
Philips Solar: <[http://www.lighting.philips.com/gl\\_en/country/solar/index.php?main=global&parent=4390&id=gl\\_en\\_country\\_sites&lang=en](http://www.lighting.philips.com/gl_en/country/solar/index.php?main=global&parent=4390&id=gl_en_country_sites&lang=en)>

**DayStar Technologies PV Product 3-3-05**

DayStar Technologies unveiled LightFoil™ for high specific power applications. According to the press, this proprietary alternative energy solution is the first of many anticipated Photovoltaic Foil products expected from DayStar. Military and Homeland Security applications for LightFoil™ include high-altitude airships, winged unmanned aerial vehicles, and orbital applications for next generation satellite craft. LightFoil™ consists of high efficiency CIGS



solar cells deposited on thin titanium foil. Story at:

<[DayStar Technologies: <<http://www.daystartech.com/>>](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b77C6BC63-3769-41BF-BE52-583A9676827B%7d&siteid=mktw&dist=nbk&symb=></a></p></div><div data-bbox=)

#### **More on DayStar Technologies PV Product 3-4-05**

More on DayStar Technologies' launch of LightFoil™ can be found at:

<<http://albany.bizjournals.com/albany/stories/2005/02/28/daily31.html>>

<<http://press.arrivenet.com/bus/article.php/604724.html>>

DayStar Technologies: <<http://www.daystartech.com/aboutus.htm>>

#### **ObjectSoft Acquisition 3-3-05**

ObjectSoft Corp. announced it has signed the definitive agreements to acquire all of the nanotechnology assets of RES Inc., formerly Terra Solar Development Corp., and also of Accusealed of Hungary. Details at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bD089E0B3-E359-48F9-8543-F9C2EBE2FC44%7d&siteid=mktw&dist=nbk&symb=>>

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#### **SMA Sunny Central 125U-208V UL Listed 3-3-05**

For information on SMA America's inverters and UL listing, see RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=23241>>

SMA: <<http://www.sma-america.com/index.aspx>>

#### **RWE SCHOTT Solar in JPEA 3-4-05**

RWE SCHOTT Solar became a member of the Japanese Photovoltaic Energy Association in February 2005. Said Dr. Winfried Hoffmann, spokesman for the board at RWE SCHOTT Solar and President of the European Photovoltaic Industry Association, "This move means we can now be actively involved in the decision processes." The RWE SCHOTT Solar Group, with 2 locations in the U.S., is already a member of the US Solar Energy Industries Association. "Thus we are represented in the industrial associations of the world's three largest markets," says Hoffmann. Story at: <<http://press.arrivenet.com/bus/article.php/605808.html>>

#### **GT Solar Technologies Sales 3-7-05**

Per this article, executives with GT Solar Technologies said that sales of their furnaces have "exploded". Story at:

<<http://www.thewmurchannel.com/money/4259553/detail.html>>

GT Solar Technologies: <<http://www.gtsolar.com/>>

#### **Shell Renewables CEO 3-7-05**

Graeme Sweeney will become CEO of Shell Renewables and president of Shell Hydrogen in April, succeeding Karen de Segundo who will retire. Shell Renewables Press: <<http://www.shell.com/home/Framework?siteId=rw-br>>

#### **Pacific Power Management VP 3-7-05**

Pacific Power Management of Auburn, California welcomes Marianne Walpert to their executive team as Vice

President of Sales and Marketing. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNACO296.htm>>

Pacific Power Management: <<http://www.pacpower.biz/flash/index.html>>

#### **XsunX Market Opportunities 3-8-05**

XsunX, Inc. announced that it has begun receiving inquiries for product development opportunities from multiple industry sectors. Per the press, the market interest is in advance of the launch of the Company's beta product development program anticipated in the second quarter. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b54D3A0BE-C9C0-4669-B4D4-889CCD39FE94%7d&siteid=mktw&dist=nbk&symb=>>

>

XsunX: <<http://www.xsunx.com/>>

#### **Carmanah Results 3-10-05**

Carmanah Technologies Corporation issued its audited results for the year ended December 31, 2004. Information through Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNACO297.htm>>

Carmanah Technologies: <<http://www.carmanah.com/>>

#### **Concentrix Solar 3-11-05**

Per this article, manufacturing and marketing concentrator PV modules and systems is the aim of Concentrix Solar GmbH, founded in Freiburg as the most recent spin-off company from the Fraunhofer Institute for Solar Energy

Systems ISE. More on these company developments at: <[http://www.three-fives.com/optoelectronic\\_news/march05\\_opto\\_news/110305Concentrix\\_PV.htm](http://www.three-fives.com/optoelectronic_news/march05_opto_news/110305Concentrix_PV.htm)>



### **CEC on Nextek's Grid-connected PV System [Mark Robinson] 3-11-05**

The California Energy Commission's Rule 21 Working Group determined that grid connected solar PV systems installed using Nextek technology do not require a utility interconnect agreement. After analyzing the architecture of this system, the Group recognized that Direct Coupled® commercial PV systems from Nextek do not require the reviews and approvals needed for other grid-tied inverter-based systems. Press at Nextek: <<http://www.nextekpower.com/news/rule21.htm>>

### **DayStar Technologies and Auxilia MOU 3-14-05**

DayStar Technologies and Auxilia, Inc. signed a Memorandum of Understanding regarding design and development of fully integrated PV power systems for the unmanned airship marketplace. The objective of the agreement is to develop plug-and-play architecture for the existing and developing products of both companies that could enable diverse airship configurations for low, middle and stratospheric altitude applications. DayStar and Auxilia will focus on integrating DayStar's proprietary LightFoil™ PV power product with Auxilia's products by using the Auxilia Airship Simulation Center. Story at: <[http://biz.yahoo.com/prnews/050314/sfm098\\_2.html](http://biz.yahoo.com/prnews/050314/sfm098_2.html)>  
DayStar Technologies: <<http://www.daystartech.com/>>  
Auxilia: <<http://www.auxiliainc.com/>>

### **GlobeTel Hires and Update 3-14-05**

GlobeTel Communications Corp announced that its subsidiary, Sanswire Networks LLC, has strengthened its engineering team. Press at: <<http://www.sanswire.com/press/20050314.htm>> and <<http://www.sanswire.com/press/20050310.html>>  
For an update on launch of the Stratellite™ prototype, see the press release at: <<http://www.sanswire.com/production-update.html>>  
A Stratellite™ is a high-altitude airship, powered by solar, that when in place in the stratosphere will provide a stationary platform for transmitting various types of wireless communications services.  
Sanswire Networks, LLC Stratellite™: <<http://www.sanswire.com/stratellites.htm>>

### **Solar Roofing Systems 3-14-05**

Solar Roofing Systems Inc. launched SolarSave™, a waterproof, solar-integrated roofing system for commercial, industrial and institutional flat or sloped roof applications. Said Peter Ashenbrenner, SunPower's VP of Sales and Marketing, "SunPower is pleased to have been chosen by Solar Roofing Systems to supply solar cells for their SolarSave™ Premiere Series product." For more on SolarSave™, see photos and article at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT105.htm>>  
SRS Solar Roofing Systems Inc.: <<http://www.solarsave.com/>>  
SunPower: <<http://www.sunpowercorp.com/html/Company/About/aboutus.html>>

### **Global Cogenix Agreement 3-14-05**

Global Cogenix Industrial Corporation announced that a Design Build fixed price agreement has been signed to construct a Photovoltaic Solar facility at Tom's River, New Jersey. Story at: <[http://biz.yahoo.com/cnw/050314/global\\_cogenix\\_solar\\_1.html](http://biz.yahoo.com/cnw/050314/global_cogenix_solar_1.html)>  
Global Cogenix: <<http://www.globalcogenix.com/>>

### **SPS Solar Power Systems 3-14-05**

SPS Energy Solutions introduced their MAPPS solar power, Class I Div. II approved solar power systems for use in hazardous locations. The Modular Autonomous Photovoltaic Power Supply systems are complete, prepackaged solar power systems designed to ensure reliable operation in harsh environments. More information at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory.jsessionid=aexhW6ft5TT7?id=23662>>  
SPS MAPPS: <<http://www.spsenergy.com/pages/powerSolutions/mapps.htm>>  
SPS: <<http://www.spsenergy.com/>>

### **Magnetek Inverter Compliance 3-15-05**

Magnetek, Inc. announced that its new Aurora™ PV inverters have successfully passed compliance tests for VDEW and VDE0126 (Germany) and DK5950 (Italy) requirements qualifying Aurora inverters for connectivity to the utility power grid in Germany and Italy. Story at: <[http://biz.yahoo.com/bw/050314/145107\\_1.html](http://biz.yahoo.com/bw/050314/145107_1.html)>  
Magnetek: <<http://www.alternative-energies.com/>>

### **XsunX Developments 3-16-05**

XsunX, Inc. announced it has launched Phase III of its Power Glass™ development program. The company is expanding its R&D capabilities by adding new process development equipment and technical expertise in key

research areas of thin-films and laser process development. Story at: <<http://biz.yahoo.com/pz/050316/74578.html>>  
XsunX: <<http://www.xsunx.com/>>

#### **SMA Inverter 3-16-05**

SMA America launched its new Sunny Island 4248 inverter designed for off-grid use, or as backup to existing on-grid systems. Information at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT106.htm>>  
SMA: <<http://www.sma-america.com/index.aspx>>

#### **Solarwatt Modules 3-16-05**

Solarwatt started sales of two new modules with monocrystalline silicon cells from the Czech manufacturer Solartec. Coverage at Photon International: <[http://www.photon-magazine.com/products/products\\_2005-03\\_wv%20np\\_Solarwatt.htm](http://www.photon-magazine.com/products/products_2005-03_wv%20np_Solarwatt.htm)>  
Solarwatt: <<http://www.solarwatt.de/>>

#### **Conergy Stock Market Debut 3-17-05**

Conergy's listing is the latest in a series of stock market debuts by German sun power companies during recent years. The nation's solar firms have been rapidly expanding, investing about EUR 200 million last year, adding some 5,000 new jobs, and helping to improve the prospects for solar project investment funds. For more on these developments, see:  
<[http://www.expatca.com/source/site\\_article.asp?subchannel\\_id=52&story\\_id=18154&name=Solar+group+Conergy+makes+successful+stock+market+debut+>](http://www.expatca.com/source/site_article.asp?subchannel_id=52&story_id=18154&name=Solar+group+Conergy+makes+successful+stock+market+debut+>)>  
Conergy: <<http://www.conergy.com/>>

#### **RWE SCHOTT Solar International Activities 3-17-05**

For coverage of RWE SCHOTT Solar collaborations with two Australian companies – Going Solar and Sustainable Energy Enterprises – see Solarbuzz at: <<http://www.solarbuzz.com/News/NewsASCO36.htm>>  
RWE SCHOTT Solar: <<http://www.rweschott.com/>>  
Going Solar: <<http://www.goingsolar.com.au/>>  
Sustainable Energy Enterprises: <<http://www.crestaaustralia.com.au/>>

#### **Carmanah's Australian Distribution and Runway Lighting 3-17-05**

Carmanah Technologies has secured a distribution arrangement for their products in Australia. Orion Solar Solutions in Queensland will represent all of Carmanah's solar-powered LED lights for the marine, aviation, transit, and road markets in Australia. Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=23871>>  
Carmanah also announced it has been contracted to supply solar-powered LED runway lighting for two runways undergoing upgrades. Press at: <[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=82856](http://www.marketwire.com/mw/release_html_b1?release_id=82856)>  
<<http://www.solarairportlights.com/>>  
Carmanah Technologies Corporation: <<http://www.carmanah.com/>>

#### **ObjectSoft Corp. Renamed Nanergy 3-17-05**

ObjectSoft Corp. announced it expects to complete the process of renaming the company Nanergy Inc. within 30 days. The company's board has approved the working prototype of its first product, NanoSign™, an illuminated safety house number sign that uses PVNanofilm for recharging in low light. Press at:  
<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1CA9E64A-906F-49D5-B70E-3093A343BC8F%7d&siteid=mktw&dist=nbk&sybm=>>>

#### **XsunX Advisory Board 3-21-05**

XsunX, Inc. announced that Dr. John Moore has joined the Company's Scientific Advisory Board. Said Moore, "As the head of the Materials Engineering Department at the Colorado School of Mines, I have the unique opportunity to help guide new technologies from the laboratory into practical everyday uses." Story at:  
<<http://biz.yahoo.com/pz/050321/74823.html>>  
XsunX: <<http://www.xsunx.com/>>

#### **Shell Solar's New President [Tina Nickerson] 3-22-05**

Maarten Geuze has joined Shell Solar Industries in Camarillo as its new President. Along with this role, he is also the Global Vice President of Manufacturing for Shell Solar based in the Netherlands. In that capacity, he is responsible for the manufacture of PV in the U.S., Germany, and Portugal. Story at Solarbuzz:  
<<http://www.solarbuzz.com/news/newsNACO299.htm>>  
Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

#### **SOL Inc. ISO Certification 3-28-05**

SOL INC. has received the ISO 9001:2000 Certificate of Registration from International Management Systems, Inc. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO301.htm>> and RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/section?id= BRIEF#24233>> SOL: <<http://www.solarlighting.com/>>

#### **Tata BP Solar Focus 3-28-05**

Tata BP Solar is shifting its business focus in the domestic sector from government projects to the private sector, including individuals, corporations, and banks. The company also plans to expand its 40 MW solar cell manufacturing plant in Bangalore to 100 MW over the next few years. Story at: <<http://www.business-standard.com/common/storypage.php?storyflag=y&leftnm=lmnu1&leftindx=1&lselect=1&chklogin=N&autono=184497>>

#### **Distributed Solar Power Inc. and Idaho National Lab 3-29-05**

According to this press, Distributed Solar Power Inc. has hired Idaho National Laboratories to help prepare the site preparation and technical requirements for power purchase agreements of its concentrating solar PV farms located in Spain. Distributed Solar Power has been selling small plots of land out of its eBay store to investors who wish to participate in becoming a solar farmer and part of these small solar farms. The farms will range in the size of 200-500 kW. Story at: <[http://www.inel.gov/](http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b8B1ADE65-C3D6-4C1B-8B8C-0149BBC21364%7d&siteid=mktw&dist=nbk&symb=> or <http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=5483973&ResultCategoryType=2,7&NewsPageID=3> <http://www.distributedsolarpower.com/> <http://www.distributedsolarpower.com/TECHNOLOGY.html> INL: <<a href=)>

#### **Sharp Electronics Europe 3-30-05**

Sharp Electronics Europe CEO Hans Kleis wants to double the turnover of the technology group in Europe by the end of the fiscal year 2007 by focusing on 3 strategic divisions of LCD TV, Document Solutions, and Solar. Press at: <<http://hiddenwires.co.uk/resources/news2005/news20050330-02.html>> Sharp: <<http://www.sharp-eu.com/>>

#### **Sharp's New Modules 3-30-05**

Sharp Corporation will release 2 models of newly developed crystalline thin-film PV modules. It will also release 9 models of polycrystalline and single-crystal PV modules for a wide range of uses and locations, including for large-scale systems as well as for installation at high altitudes, in heavy snow regions, and in areas subject to salt air damage. The company is also establishing the "System Design Center", and beefing up its sales network. More on these modules and developments in the press at: <<http://sharp-world.com/corporate/news/050330.html>>

#### **Carmanah Order 3-30-05**

Carmanah Technologies Corporation announced that the company has received a \$765K order to supply over 1,500 solar-powered LED airfield lights for the U.S. Marine Corps. Press at: <[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=83626](http://www.marketwire.com/mw/release_html_b1?release_id=83626)> Carmanah SolarAirportLights: <<http://www.solarairportlights.com/>> Carmanah: <<http://www.carmanah.com/>>

#### **Solartron Shares 3-31-05**

Per this article, shares of Solartron Plc surged 45% from its initial public offering. Solartron expects revenue to grow 30% this year from 1.05 billion baht last year. Story through Solarbuzz at: <[http://www.bangkokpost.com/Business/31Mar2005\\_biz58.php](http://www.bangkokpost.com/Business/31Mar2005_biz58.php)> Previous press: <[http://www.biz-day.com/read/stocks/17\\_mar\\_05/zu6js-b/solartrons\\_ipo\\_set\\_at\\_8\\_baht.htm](http://www.biz-day.com/read/stocks/17_mar_05/zu6js-b/solartrons_ipo_set_at_8_baht.htm)>

#### **Kyocera ECONORROOTS 3-31-05**

Information on Kyocera's 2005 model of ECONORROOTS, roof-mounted solar power generating systems, can be found in the press release at: <<http://global.kyocera.com/news/2005/0202.html>>

#### **More on GE Consumer Finance 3-31-05**

GE Consumer Finance's Retail Sales Finance unit began offering credit to homeowners last year for PV systems. For more on this opportunity, see coverage at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=24395>> GE Consumer Finance: <<http://www.geconsumerfinance.com/>>

### **Update on Distributed Solar Power 3-31-05**

See Briefly Noted at RenewableEnergyAccess regarding Distributed Solar Power's pursuits at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=24403>>

### **New Alliance to Promote Renewables 3-31-05**

Fraunhofer-Gesellschaft will establish the new Fraunhofer Energy Alliance at the Fraunhofer Institute for Solar Energy Systems ISE in Freiburg to serve as the central contact point for companies interested in research, with one of 4 focus areas being renewable energy. Story at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=31164187&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=31164187&accnum=1&topics=>)

Press release: <[http://www.ise.fraunhofer.de/english/press/pi\\_2005/presseversand/energieverbund.html](http://www.ise.fraunhofer.de/english/press/pi_2005/presseversand/energieverbund.html)>

## **Renewables Programs, Projects**

### **California, Million Solar Roofs 3-1-05**

Governor Schwarzenegger released the latest version of his comprehensive solar energy legislation. Said David Hochschild, Director of Programs for the California-based Vote Solar Initiative, "This is the best piece of solar legislation ever introduced in the U.S. This will send a message to the state and to the country that California is serious about this." Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23103>>

### **China, Renewable Energy Law 3-1-05**

The Standing Committee of the National People's Congress approved the Renewable Energy Law, which says China will promote wind, water, solar, thermal, and biomass energy. Stories at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4838233&ResultCategoryType=2,7&NewsPageID=3>>

<[http://english.people.com.cn/200503/01/eng20050301\\_175162.html](http://english.people.com.cn/200503/01/eng20050301_175162.html)>

### **Energy Trust of Oregon 3-1-05**

According to the NW Current, the Energy Trust of Oregon is considering boosting its solar power incentives to encourage the installation of large-scale systems. Story at: <<http://www.nwcurrent.com/renewable/1281997.html>>

### **Self-Generation Incentive Program Wait List 3-2-05**

San Diego Regional Energy Office will shortly be closing its Self-Generation Incentive Program Wait List for Level 1 projects. Information at: <<http://www.solarbuzz.com/News/NewsNAGO229.htm>>

### **IT Power ENABLE [Naomi Davidge] 3-3-05**

IT Power has launched ENABLE, a program supported by the European Commission, with partners in Sweden and France, to improve delivery of health, education and water supply in the rural areas of Uganda, Kenya, and Tanzania. Work is focusing on how renewable energy can meet the needs of these rural communities. IT Power:

<<http://www.itpower.co.uk/>>

### **Florida's SunSmart Schools Program 3-4-05**

The Department of Environmental Protection, with JEA, has started up a solar electric system at a high school in Jacksonville under Florida's SunSmart Schools Program. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=23352>>

Florida Solar Energy Center: <<http://www.fsec.ucf.edu/>>

### **PV in France [Marie Latour] 3-4-05**

In mid-February, the Rhone-Alps Regional Council in France adopted a measure to promote generation of electricity by PV.

EPIA Press: <<http://www.epia.org/04Media/PressReleases.htm>>

### **Renewable Portfolio Standards Conference, Eastern US Perspective 3-4-05**

For information on the Renewable Portfolio Standards Conference: The Eastern US Perspective, 12-13 April, Boston, Massachusetts, see Electric Utility Consultants, Inc. at:

<[https://www.euci.com/conferences/april\\_05/renewable\\_portfolio\\_0405.htm](https://www.euci.com/conferences/april_05/renewable_portfolio_0405.htm)>

### **China's Renewable Energy Law 3-9-05**

China's government imposed a national renewable energy requirement that is expected to significantly boost the use of renewable energy. In 2003, China's renewable energy consumption accounted for 3% of the country's total energy consumption. The government plans to increase the figure to 10% by 2020. Story, and access to a copy of the law, at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=23531>>

### **Interconnection Bill, Washington State 3-9-05**

A bill sponsored by Technology, Energy and Communications chair Jeff Morris opens the way for Washington State to become a hub for testing and deploying new energy technologies in North America by standardizing the many interconnection standards in the state. More at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23526>>

Interconnection Bill: <<http://www.leg.wa.gov/wsladm/billinfo1/dspBillSummary.cfm?billnumber=1011>>

### **Massachusetts Renewables Purchase 3-10-05**

The Center for Resource Solutions and Think Energy announced the commitment of large businesses and institutions in Massachusetts to explore the purchase of electricity from cleaner, renewable energy sources. Twenty-eight organizations have joined a new renewable energy purchasing program, Massachusetts Renewable Energy Purchasers. Story at Clean Edge 3/9: <<http://www.cleandedge.com/news-listing.php>>

Center for Resource Solutions: <<http://www.resource-solutions.org/>>

Think Energy: <<http://www.thinkenergy.net/>>

### **More on California Million Solar Roofs 3-10-05**

For coverage of California's Million Solar Roofs initiative and links to the text, as well as other energy-related "new rules", see the Website at: <<http://www.newrules.org/de/archives/000047.html>>

### **California Million Solar Roofs Initiative 3-14-05**

With this initiative, California has linked its efforts to Germany's and Japan's solar mobilization programs. Both programs led to mass production of solar PV with the two countries securing a 70% share of the global production and industrial leadership in solar electricity equipment. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a-dWp583pQWf?id=23711>>

### **Japan, Environmentally Friendly Government Buildings 3-14-05**

Japan will accelerate the introduction of environmentally friendly energy in its central government buildings in Tokyo as part of the measures to achieve greenhouse gas reduction requirements under the Kyoto Protocol, according to a draft plan. The plan says the government will take the lead by equipping government buildings in Tokyo's Kasumigaseki area with fuel cells, solar, and wind energy devices to reduce dependence on fossil fuels. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2.2&NewsID=5088834&ResultCategoryType=2,7&NewsPageID=3>>

### **Washington State Solar Legislation 3-15-05**

With bi-partisan support, Washington state's Senate passed two bills that would create a thriving market for renewable energy in the state with a specific focus on new, high-tech manufacturing. The new performance-based incentives are now under consideration in the state's House of Representatives. See the story on this progressive legislation at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=23763>>

### **ENDESA Renewables Plans 3-15-05**

Spanish power provider ENDESA has renewable energy plans mapped out until 2009. Renewable energies are expected to account for 14% of ENDESA's generation assets in Spain and Portugal by 2009. More on this plan at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=23767>>

### **New Mexico Solar [Adam Browning] 3-18-05**

By unanimous vote, the New Mexico state legislature passed the Energy Efficiency and Renewable Energy Bonding Act. The bill will allow the state to sell \$20 million in bonds to fund solar and energy efficiency retrofits for public buildings – for projects that pay for themselves through energy savings. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO233.htm>>

Vote Solar: <<http://www.votesolar.org/press.html>>

### **UK Solar Grants 3-18-05**

According to this article, the UK's solar power industry fears the loss of a very successful grants scheme that subsidizes homeowners and others to cover the cost of installations. Story at:

<<http://news.bbc.co.uk/1/hi/sci/tech/4359305.stm>>



### **Australian PV Rebate Program 3-18-05**

The PV rebate program managed by the Australian Greenhouse Office has been very popular, and money is due to run out in the next 2-3 months. A perspective on what is needed appears in the article at:

<<http://www.smh.com.au/news/National/Funding-drying-up-for-solar-power-aid/2005/03/18/1111086017395.html?oneclick=true>>

### **Los Angeles "Solar City" Plan 3-21-05**

Legislative and economic analysts with Americans for SolarPower (ASPV) have endorsed a proposal for greater investment by the City of Los Angeles in PV electricity in city buildings. Mayor Jim Hahn and others unveiled Global Green's new "Solar City" Report at the Los Angeles City Hall. Stories at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory.jsessionid=afBQLHCCRvjb?id=23917>>

<<http://www.renewableenergyaccess.com/rea/news/story?id=23989>>

Americans for Solar Power: <<http://www.forsolar.org/>>

Global Green: <<http://www.globalgreen.org/>>

### **Pollution Settlement PV Funding 3-21-05**

Attorneys General in New York, New Jersey, and Connecticut have reached a major air pollution settlement with the owners of one of the nation's coal-fired power plants. As one of the terms of the settlement, Ohio Edison will pay \$400,000 to Allegheny County, Pennsylvania for solar projects. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO234.htm>>

### **Arizona Solar [Bud Annan] 3-21-05**

State regulators are considering a plan to require utilities to boost the amount of power they generate from solar, wind, biomass and other renewable sources to 15% of their total supply by 2025. More on these developments at:

<<http://www.azcentral.com/arizonarepublic/business/articles/0318solar18.html>>

### **Nevada Renewables 3-23-05**

Nevada lawmakers heard a bill this week that would reward Nevada's two largest utilities for helping customers install renewable energy products on their homes. SB188 would give Sierra Pacific Power Co. and Nevada Power Co. credits toward conservation obligations for every kWh saved through renewable energy measures. Press at:

<<http://www.klas-tv.com/Global/story.asp?S=3111959&nav=168YXmut>>

### **UK, Renewable Energy Funding 3-23-05**

Science and Innovation Minister Lord Sainsbury announced GBP 100 million for the next round of the UK's Department of Trade and Industry Technology Program. Emerging energy technologies, zero emission enterprises, and other areas are targeted. For more information, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23991>>

DTI: <[http://www.dti.gov.uk/technologyprogramme/open\\_comps.html](http://www.dti.gov.uk/technologyprogramme/open_comps.html)>

### **Northern Ireland Renewables 3-23-05**

Enterprise Minister Barry Gardiner MP announced the Renewables Obligation for Northern Ireland (NIRO), expected to stimulate private sector investment of around £500 million in projects to generate electricity from renewable sources over the next 5 years. Information at: <<http://www.nics.gov.uk/press/eti/050322g-eti.htm>>

### **REEEP Members 3-24-05**

Canada, Mexico, and South Korea have joined the Renewable Energy and Energy Efficiency Partnership. REEEP is a global partnership of governments, businesses, and NGOs, launched at the World Summit for Sustainable Development in 2002. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story.jsessionid=a4xZCPU96C76?id=24115>>

REEEP: <<http://www.reeep.org/>>

### **California's Million Solar Roofs 3-25-05**

Santa Cruz has become the first city in California to endorse SB 1, the Million Solar Roofs Bill. Said Mayor Mike Rotkin, "In a world beset by many problems, the issue of global warming certainly rises somewhere near the top. I think this bill provides a very real and tangible way that those of us who live in California can do something about this". More on the bill at Clean Edge 3/25: <<http://www.cleandedge.com/news-listing.php>>

Related web link (text of bill): <<http://www.newrules.org/de/archives/000047.html>>

### **Alternative Energy in Korea 3-25-05**

The government said it will spend nearly 70% more than last year to develop alternative energy sources and will encourage companies with advanced technologies to open plants in Korea. Solar facilities will be installed in about 100,000 housing units. Story at: <[http://www.koreaherald.co.kr/SITE/data/html\\_dir/2005/03/25/200503250035.asp](http://www.koreaherald.co.kr/SITE/data/html_dir/2005/03/25/200503250035.asp)>



### **Generation Solar Project 3-25-04**

For a story on Generation Solar, a project of San Francisco's Department of the Environment and the San Francisco Public Utilities Commission, see the article at: <<http://www.sfbayview.com/032305/solarpower032305.shtml>>

### **Arizona Solar [Adam Browning] 3-28-05**

The Arizona House passed HB 2374, which opens the door for more solar development in Arizona. The bill provides a solar energy tax credit designed to encourage installation of solar energy devices on properties in Arizona. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAGO235.htm>>

### **Arizona, Solar Tax Credit, RPS 3-29-05**

Two bills that passed in Arizona's House of Representatives would boost energy efficiency and provide new incentives for solar PV. And, the Arizona Corporation Commission, which regulates the state's investor-owned utilities, is currently reviewing options to expand the Renewable Portfolio Standard, perhaps to as much as 5% by 2015 and 15% by 2025. Story at RenewableEnergy Access:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24270>>

### **Michigan's Net Metering 3-31-05**

The Michigan Public Service Commission approved an amended consensus agreement that implements the voluntary statewide net metering program for a minimum of 5 years. The program covers all renewable energy sources. Under the agreement, net-metered customers will be credited for net excess generation at the utility's retail price of generation. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24400>>

Public Service Commission: <<http://www.michigan.gov/mpsc/0,1607,7-159-16393---,00.html>>

## **Meetings, Gatherings, Conferences**

### **Power-Gen Renewable Energy Conference 3-3-05**

Said Rhone Resch, Executive Director of SEIA, "There have never been as many, and as broad a mix of renewable energy companies in one place at one time as this show. This seems to offer a very important role in demonstrating all the companies and renewable energy options that exist and state officials, federal officials, and private investors are here to learn more about these technologies and the role they can play in the US." Story at

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=ajLMFP9B-g9d?id=23244>>

### **UK Industries at PowerGen 3-3-05**

Representatives from the United Kingdom are promoting 14 different industries at the UK Pavilion at PowerGen this year, under the umbrella of the UK Department of Trade and Industry. More at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=23306>>

### **SEI PV Design & Installation Workshops 3-3-05**

Solar Energy International has PV Design & Installation workshops coming up this spring across the country. For information, see: <<http://www.solarenergy.org/workshops/workshop.php?id=3>>

### **Secretary Bodman at WGA 3-3-05**

Remarks of Secretary Samuel Bodman at the Western Governors Association Annual Breakfast are at:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=17544&BT\\_CODE=PR\\_SPEECHES&TT\\_CODE=PRESSSP EECH](http://www.energy.gov/engine/content.do?PUBLIC_ID=17544&BT_CODE=PR_SPEECHES&TT_CODE=PRESSSP EECH)>

Says Bodman, "...our Department is working to assist the Western Governors Association with analysis on ways to achieve 30,000 megawatts of clean-energy generation capacity or energy efficiency offsets by the year 2015. Our National Renewable Energy Laboratory in Colorado and other DOE offices have begun exploring possibilities."

### **Sixth Framework Programme, ECOSTAR 3-3-05**

The Sixth Framework Programme project ECOSTAR (CSP) has drawn up a roadmap for reducing the cost of solar electricity. Information at: <[http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP\\_EN\\_NEWS&ACTION=D&SESSION=&RCN=EN\\_RCN\\_ID:23460](http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP_EN_NEWS&ACTION=D&SESSION=&RCN=EN_RCN_ID:23460)>

### **SunPower Workshop 3-4-05**

SunPower Corp. will be hosting a free public workshop on solar electricity for commercial and residential sites on March 5 in San Jose, California. For information, see:

<

#### **Innovation on Display at PowerGen 3-7-05**

For RenewableEnergyAccess' coverage of innovation on display at PowerGen, for example PV from Spheral Solar Power and BIPV from Solar Solutions, see the article at: <[>](http://www.renewableenergyaccess.com/rea/news/story?id=23357)

#### **More on PV Manufacturing Industry Platform and Conference [Wolfgang Koch] 3-7-05**

The deadline to register to ensure a free badge prior to the exposition is 11 March 2005. The number of registrants to the Conference is already well above 100. The pre-reserved area for the Exhibitors is rented out, and will be enlarged considerably. Information at: <[>](http://www.epia.org/08Events/Events_SEMI.htm)

#### **Solar Energy Forum [Solar e-Clips] 3-7-05**

North State Renewable Energy and the Great Valley Center have teamed to organize a forum on solar energy projects, issues, and incentives 10 March in Chico, California. See: <[>](http://www.greatvalley.org/solar/chico.aspx)

#### **California, Solar Tour of Capay Farms 3-8-05**

Said Chelsea Becker of Capay Valley Vision, "Several farms and ranches in our region have recently installed solar electricity, or photovoltaic, systems for their irrigation pumps, shops and homes. It is not only an environmental solution to our energy problems but also can be more efficient and economical." A solar tour and seminar of 3 local farms using solar power has been arranged by Sierra Solar Systems. Story at: <[>](http://www.dailydemocrat.com/Stories/0,1413,136~32730~2751099,00.html)  
Sierra Solar Systems: <[>](http://www.sierrasolar.com/index.html)

#### **UK, PV Science, Applications and Technology Conference [PV-UK] 3-8-05**

The Second Photovoltaic Science, Applications and Technology Conference is set for 14-15 April at Loughborough University, UK. For details, see: <[>](http://wire0.ises.org/wire/independents/confres.NSF/DefaultView/6AB4F3D69DD7D16DC1256F560044F136!Open)

#### **International Conference on Solar Concentrators 3-21-05**

The International Conference on Solar Concentrators for the Generation of Electricity or Hydrogen provides an opportunity to learn about current research, and will emphasize in-depth technical discussions of recent achievements in technologies that convert concentrated solar radiation to electricity or hydrogen, with primary emphasis on PV technologies. For more information, see: <[#### \*\*ECD Ovonics Celebration 3-23-05\*\*](http://www.nrel.gov/ncpv/scc/></a></p></div><div data-bbox=)

Energy Conversion Devices, Inc. will celebrate 20 years on The NASDAQ Stock Market by presiding over the closing ceremony on March 30. Robert Stempel, Chairman and CEO, and Stanford Ovshinsky, President, CTO, and co-founder, will ring the bell to close the market in New York. Some of ECD's significant events over the last 20 years are highlighted in the press at: <

#### **Speakers for ACORE Event [ACORE Press] 3-24-05**

The American Council On Renewable Energy and Euromoney Energy Events announced speakers for the "Renewable Energy Finance Forum – Wall Street" set for the Waldorf-Astoria Hotel in New York City 23-24 June 2005. Speakers include Scott Brown (New Energy Capital LLC), Claire Broido (SunEdison LLC), Richard Feldt (Evergreen Solar), Pieter Duisenberg (Shell International Renewables BV), Anton Milner (Q-Cells AG), Christopher O'Brien (SEIA and Sharp Solar) and many other notable experts. Keynote speakers include George Pataki, Governor of New York. Coverage at RenewableEnergyAccess: <[>](http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=24087)  
ACORE: <[>](http://www.acore.org/></a><br/>Euromoney Energy Events: <<a href=)

#### **Renewable Portfolio Standards Conference 3-30-05**

For information on the Renewable Portfolio Standards Conference: The Eastern US Perspective, 12-13 April 2005 in Boston, Massachusetts, download the conference brochure (PDF) at: <[>](http://www.pmaconference.com/RenewablePortfolioWebApr12.05.pdf)

## U.S. Congress In Action

### **U.S. House Appropriations Hearings 3-8-05**

The U.S. House of Representatives Appropriations Subcommittee on Energy & Water Development has scheduled a hearing on DOE-Science, Nuclear Energy, and Renewable Energy, for 15 March. A subcommittee hearing on the overall DOE FY 06 budget is 9 March.

### **U.S. Energy Appropriations Hearings 3-14-05**

The House Energy and Water Appropriations Subcommittee has scheduled a hearing covering the President's FY 2006 budget proposal for DOE's renewable energy programs, March 15. The Senate Energy and Water Appropriations Committee has scheduled a review of the 2006 budget for DOE's Office of Energy Efficiency and Renewable Energy, also March 15.

### **Production Tax Credit 3-17-05**

A bipartisan proposal from two US Senators would provide a 5-year extension of the production tax credit for facilities that generate electricity from renewable energy sources. For more on this proposal, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=23875>>

### **Garman Hearing 3-31-05**

The U.S. Senate Energy and Natural Resources Committee will hold a hearing to consider the nomination of David Garman to be Under Secretary of Energy, 6 April 2005.

## Reports, Publications, Statements

### **PV Reports [Clean Edge] 3-1-05**

Two reports just released, one by Clean Edge, Inc. and Co-op America's Solar Catalyst Group, and the other by the Energy Foundation and Navigant Consulting Inc., highlight the potential for solar PV in the U.S. For more on these reports – The Solar High-Impact National Energy (SHINE) Project and PV Grid Connected Market Potential in 2010 under a Cost Breakthrough Scenario – see <<http://www.cleandedge.com/>>

<<http://www.solarcatalyst.com/>

<<http://www.ef.org/home.cfm>>

<<http://www.navigantconsulting.com/A559B1/navigantnew.nsf/fCNTDspHMRead?OpenForm&Cat1=LA0>>

Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4845933&ResultCategoryType=2,7&NewsPageID=3>>

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4845919&ResultCategoryType=2,7&NewsPageID=3>>

### **Denis Hayes Presentation 3-1-05**

Denis Hayes, president of the Bullitt Foundation, will speak about "The Solar Imperative" at Seattle University today. Notice at: <<http://www.seattleu.edu/events/detail.asp?sID=4589>>

### **Nevada Solar 3-1-05**

Members of Solar NV appeared on Nevada Public Radio to discuss the state of solar energy in Nevada. For more on this discussion – and additional solar news – see the ASES Sunbeam eNewsletter at:

<[http://www.ases.org/chapter\\_newsletter/2005/JF05/JF05.html](http://www.ases.org/chapter_newsletter/2005/JF05/JF05.html)>

### **California Solar 3-2-05**

At a lunch briefing at the California state capitol, Germany's Dr. Hermann Scheer along with American economists and a Japanese solar manufacturer, brought attention to the economic benefits of growing California's solar power market. Story at: <[http://www.ems.org/nws/2005/03/01/california\\_could](http://www.ems.org/nws/2005/03/01/california_could)>

### **Stocks Up on California Plan 3-2-05**

Per this article, the stocks of Evergreen Solar Inc. and Daystar Technologies Inc. were boosted this week by the proposal from California Governor Schwarzenegger to increase the use of solar power in the state. Story at:

<<http://www.siliconvalley.com/mld/siliconvalley/news/editorial/11023793.htm>>

### **More on the SHINE Project and PV Market Potential 3-2-05**

Additional press on the Solar High-Impact National Energy (SHINE) Project can be found at:

<[http://www.greenbiz.com/news/news\\_third.cfm?NewsID=27714](http://www.greenbiz.com/news/news_third.cfm?NewsID=27714)>

For more on the study, PV Grid Connected Market Potential in 2010 Under a Cost Breakthrough Scenario, see: <http://www.energyvortex.com/pages/headlinedetails.cfm?id=1734>>

### **Support for Expansion of Renewable Energies 3-2-05**

In letters delivered to the President, Senate, and House, 33 organizations urged a reduction of production of greenhouse gases “through a mix of policies designed to shift energy use away from fossil fuels and towards greatly improved energy efficiency and a vast expansion of the use of renewable energy sources.” Story at ReFocus: [http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=76726931&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=76726931&accnum=1&topics=>)

### **More on SHINE 3-8-05**

For additional coverage of the Solar High-Impact National Energy (SHINE) project, see RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/story?id=23454>>

The SHINE project is a 10-year plan to push solar PV over the tipping point and make solar cost-effective for businesses, homeowners, industry, and utilities faster than business-as-usual trends.

Solar Catalyst Group: <http://www.solarcatalyst.com/>>

Clean Edge: <http://www.cleannedge.com/>>

### **UK Sustainable Development [PV-UK] 3-8-05**

The UK Government launched its new strategy for sustainable development, Securing the Future, in conjunction with a Strategic Framework on 7 March 2005. Press at: <http://www.sustainable-development.gov.uk/publications/uk-strategy/uk-strategy-2005.htm>>

### **CO<sub>2</sub> Rules [Andy Rosenthal] 3-8-05**

A national environmental survey of U.S. power companies conducted by PA Consulting Group shows that nearly 60% of the respondents believe that Congress will enact mandatory limits on carbon dioxide emissions within the next 10 years. Story at:

[http://pepei.pennnet.com/Articles/Article\\_Display.cfm?Section=ARTCL&ARTICLE\\_ID=221894&VERSION\\_NUM=3&p=6](http://pepei.pennnet.com/Articles/Article_Display.cfm?Section=ARTCL&ARTICLE_ID=221894&VERSION_NUM=3&p=6)>

### **Perspective on Environmental Laws and US PV, Wind Competitiveness 3-9-05**

Per this article, as recently as 1997, the US still led the world in solar panel production. “Today, though, the US makes only about 10 percent of global solar panel output”, says the Solar Energy Industries Association. Major subsidies and other government incentives in Japan and Germany created the markets and the technological, manufacturing, and cost advantages to those countries. Story through RenewableEnergyAccess at:

<http://www.csmonitor.com/2005/0224/p15s02-sten.html>>

### **Green Building DVD 3-10-05**

“Building with Awareness”, a video made on the design and construction of a green home has been released on DVD. Ted Owens of Synchronos Design directed the project. The New Mexico home featured in the DVD uses 100% electrical generation by sunlight and passive solar heating and cooling. Story at:

<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b0935C269-6553-480C-8617-AB33EA6A282D%7d&siteid=mktw&dist=nbk&symb=>>

Building With Awareness: <http://www.buildingwithawareness.com/>>

### **More on Solar Power Market Potential Study 3-10-05**

For coverage of the study, “PV Grid Connected Market Potential in 2010 Under a Cost Breakthrough Scenario”, funded by The Energy Foundation and conducted by Navigant Consulting, see RenewableEnergyAccess at:

<http://www.renewableenergyaccess.com/rea/news/story?id=23585>>

The Energy Foundation: <http://www.ef.org/home.cfm>>

Navigant Consulting:

<http://www.navigantconsulting.com/A559B1/navigantnew.nsf/fCNTDspHMRead?OpenForm&Cat1=LA0>>

### **Research and Markets Distributed Generation Markets Report 3-10-05**

Research and Markets announced the addition of Distribution Generation: Technologies, Opportunities, and Participants Report to their offering. Information at:

<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eresearchandmarkets%2Ecom%2Freports%2Fc13740&template=2,2>>

### **U.S. Administration Energy Priorities**

President Discusses Energy Policy: <http://www.whitehouse.gov/news/releases/2005/03/20050309-5.html>>

Fact Sheet on Securing our Energy Future:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=NewsSearch&Search=&NumberStoriesToDisplay=ALL&ResultCategoryType=2,7&NewsPageID=5&NewsID=5044789&template=2,2&currPage=1>>

Energy Secretary Bodman Answers Questions: <<http://www.whitehouse.gov/ask/20050309.html>>

Energy Secretary Bodman's Testimony to House Subcommittee on Energy and Water Development:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=17595&BT\\_CODE=PR\\_CONGRESSTEST&TT\\_CODE=PRESSSPEECH](http://www.energy.gov/engine/content.do?PUBLIC_ID=17595&BT_CODE=PR_CONGRESSTEST&TT_CODE=PRESSSPEECH)>

President Discusses Energy Policy: <<http://www.whitehouse.gov/news/releases/2005/03/20050309-5.html>>

Fact Sheet on Securing our Energy Future:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=NewsSearch&Search=&NumberStoriesToDisplay=ALL&ResultCategoryType=2,7&NewsPageID=5&NewsID=5044789&template=2,2&currPage=1>>

Energy Secretary Bodman Answers Questions: <<http://www.whitehouse.gov/ask/20050309.html>>

Energy Secretary Bodman's Testimony to House Subcommittee on Energy and Water Development:

<[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=17595&BT\\_CODE=PR\\_CONGRESSTEST&TT\\_CODE=PRESSSPEECH](http://www.energy.gov/engine/content.do?PUBLIC_ID=17595&BT_CODE=PR_CONGRESSTEST&TT_CODE=PRESSSPEECH)>

### **IREC Newsletters [Jane Pulaski, Rusty Haynes] 3-11-05**

The latest edition of the Interstate Renewable Energy Council (IREC) newsletter, including Schools Going Solar and DOE's Million Solar Roofs, as well as state incentives and other program areas, is available at:

<<http://www.irecusa.org/commout/enewsletter.html>>

IREC's "Connecting to the Grid" monthly newsletter covers developments in state, national, international and industry news; relevant publications and announcements; people; and events related to interconnection, net metering and distributed generation. Access the March 2005 newsletter at: <<http://www.irecusa.org/connect/enewsletter.html>>

### **European Photovoltaic Industry Association News 3-11-05**

For EPIA news coverage – scoop, company news, national news, European news, international news, publications, personalities, technical developments, and upcoming events, see the March newsletter at:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=03&c\\_cat=1](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=03&c_cat=1)>

### **Research and Markets Venture Capital Funding and Green Power Tags Reports 3-11-05**

Research and Market's 4<sup>th</sup> Edition of Venture Capital in the Energy Industry report details venture capital funding of emerging energy technologies.

Research and Markets: <<http://www.researchandmarkets.com/reports/c13826/>>

The 3<sup>rd</sup> edition of the Green Power Tags Report, which looks at what green tags are, how they work, and the role they can play in spurring renewable energy development, different models for implementation, government programs, current offers and consumer purchases is also available. See:

<<http://www.researchandmarkets.com/reports/c13749/>>

### **PV Market, Silicon Feedstock 3-14-05**

According to the annual PV market report issued by Solarbuzz Inc., world solar PV market installations reached 927 MW in 2004, a growth of 62% over 2003. Growth of 152% to 366 MW in Germany gave it global PV market leadership ahead of Japan, following aggressive Federal incentives. Silicon feedstock use by PV manufacturers increased 55% in 2004, and limited growth in its supply will constrain PV Market expansion this year. More on this report at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO298.htm>>

<<http://www.solarbuzz.com/Marketbuzz2005-intro.htm>>

### **Solar Flare [Paula Mints] 3-14-05**

The March 2005 Issue of Solar Flare by Strategies Unlimited reviews worldwide PV shipments, capacity, and utilization for 2004, giving current and historical details by region, manufacturer, and technology, with over 1 Gigawatt of PV shipments confirmed for 2004. This issue also provides a net metering update, including state-by-state tables. These articles and more in Solar Flare, by subscription: <[http://su.pennnet.com/solar\\_flare.cfm](http://su.pennnet.com/solar_flare.cfm)>

### **New Renewable Capacity Needed 3-15-05**

Improving economics, technology advances and increasingly favorable government policies are creating unprecedented opportunities for new capacity to meet the demand for renewable energy projects according to a new study, "Renewable Energy: The Bottom Line", released by Global Energy Decisions, with contributions from Palmer Bellevue and Bio Economic Research Associates. Story at:

<[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=82725](http://www.marketwire.com/mw/release_html_b1?release_id=82725)>

Global Energy Decisions: <<http://www.globalenergy.com/>>



### **Global Cell and Module Production in 2004 3-16-05**

Per the article, last year alone worldwide solar cell production reached 1,256 MW, a 67% increase over the 750 MW output in 2003. A complete survey is published in the March issue of Photon International. See: <[http://www.photon-magazine.com/news/news\\_05-03\\_ww\\_cells\\_and\\_modules\\_2004.htm](http://www.photon-magazine.com/news/news_05-03_ww_cells_and_modules_2004.htm)>

### **Marley Solar Roofing 3-16-05**

Marley Roofing has published its new Solar Roofing System brochure detailing the benefits and performance of its SolarTile®. Story at: <<http://www.marleyroofing.co.uk/content/219.chtml>>

### **Renewables in Europe 3-16-05**

Promotion of renewable energy is one of the 6 key priorities for the European Commission over the next 5 years. Story at ReFocus: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=13245792&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=13245792&accnum=1&topics=>)

### **Global Clean Energy Market 3-16-05**

The global market for clean energy will reach US \$130 billion this year and create 1.2 million jobs, per Helmut Kaiser Consultancy in Germany, and will grow to \$255 billion by 2010 and \$429 billion by 2015 with 3 million jobs. See ReFocus News-in-Brief at: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=78632754&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=78632754&accnum=1&topics=>)

### **New York Renewables Jobs 3-16-05**

Comptroller Alan Hevesi said 43,000 jobs would be created if by 2013 the state increased to 25% the share of electricity used in New York through nontraditional, renewable resources. Story at: <<http://www.osc.state.ny.us/press/releases/mar05/031005.htm>>

### **Research & Markets Solar Power Report 3-21-05**

The Solar Photovoltaic (SPV) Report 2005, Edition 2, charts the past utilization factor of manufacturing capacity and estimates future patterns, predicting future capacity requirements to 2010. SPV outlines the technology and the industry, with applications of solar photovoltaics. For details of this report, see: <<http://www.researchandmarkets.com/reports/c14275/>>

### **Push for Solar Power [Patricia Mahon] 3-22-05**

Lisa Frantzis, Director, Renewable & Distributed Energy at Navigant Consulting, is cited in a Wall Street Journal Europe article, which examines the "exploding market" for PV. Find the link to "Energy Report: Push for Solar Power Gains Fresh Urgency" under "In the News - Big Push for Solar Power" at Navigant Consulting: <<http://www.navigantconsulting.com/A559B1/navigantnew.nsf/fCNTDspRead?OpenForm&Cat1=LA2&Cat2=LB3&Cat3=LC6>>

### **Clean Edge Report [Caroline Venza] 3-22-05**

Markets for solar energy, wind energy, and fuel cells are poised to grow from \$16 billion in global revenues in 2004 to more than \$100 billion by 2014 according to a report released by Clean Edge, Inc. Clean Edge projects that markets for PV (modules, system components, and installations) will grow from \$7.2 billion in 2004 to \$39.2 billion by 2014. Information and report at: <<http://www.cleandge.com/>>

### **More on Clean Edge Report 3-23-05**

Clean Edge projects that markets for solar PV (modules, system components, and installations) will grow from \$7.2 billion in 2004 to \$39.2 billion by 2014. For more coverage of this report, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=24070>>  
Clean Edge: <<http://www.cleandge.com/reports.php>>

### **GT Equipment Call for Tax Credit 3-22-05**

GT Equipment Technologies, Inc. has written to 4 members of the U.S. Senate urging them to support a renewable energy tax credit of 10-15% for residential PV. Press at: <[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20050321005933&newslang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050321005933&newslang=en)>  
GT Equipment Technologies: <<http://www.gtequipment.com/>>

### **U.S. Oil/Gas Companies Promote Renewables 3-24-05**

According to this article, 6 large oil and gas companies in the U.S. will take "far-reaching actions" to promote renewable energy, in order to prevent shareholder resolutions. Story at ReFocus: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=1719302&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=1719302&accnum=1&topics=>)  
CSRWire: <<http://www.csrwire.com/article.cgi/3648.html>>



**IREC Newsletter [Jane Pulaski] 3-25-05**

For the latest news from the Interstate Renewable Energy Council, including coverage of Schools Going Solar, Interconnection/Net Metering, Incentives/Rebates, Community Outreach, Training/Certification, DOE's Million Solar Roofs, Upcoming Events, and other news, see the Web site at: <<http://www.irecusa.org/>>

**Global Shipments of PV 3-28-05**

Total shipments of PV modules are expected to reach 2783.1 MW by 2009, with a value of \$8.2 billion according to a soon-to-be-released report from Business Communications Company, Inc. "RE-038V Photovoltaics: Markets and Technologies" has predicted that shipments of PV modules will rise from 973.1 MW in 2004 at an average annual growth rate of 23.4%. Press at:

<[http://pepei.pennnet.com/Articles/Article\\_Display.cfm?Section=ONART&Category=INDUS&PUBLICATION\\_ID=6&ARTICLE\\_ID=222283&VERSION\\_NUM=1](http://pepei.pennnet.com/Articles/Article_Display.cfm?Section=ONART&Category=INDUS&PUBLICATION_ID=6&ARTICLE_ID=222283&VERSION_NUM=1)>

Business Communications Company, Inc.: <<http://www.bccresearch.com/pre/#energy>>

**Silicon Shortage 3-28-05**

For coverage of the issue of silicon shortage by Wired, see:

<[http://www.wired.com/news/planet/0,2782,67013,00.html?tw=wn\\_tophead\\_3](http://www.wired.com/news/planet/0,2782,67013,00.html?tw=wn_tophead_3)>

**Extreme Makeover ZEH 3-28-05**

For the story on Pardee Homes Go Extreme, featuring energy efficiency and sustainable building practices, see:

<[http://www.pardeeeextreme.com/media\\_center/3423\\_P219\\_PR\\_Annmct.pdf](http://www.pardeeeextreme.com/media_center/3423_P219_PR_Annmct.pdf)>

<<http://www.pardeeeextreme.com/>>

Aired on Extreme Makeover: Home Edition, Pardee Homes built a California Zero Energy Home incorporating a 3-kW roof-integrated PV system from GE. Governor Schwarzenegger made a guest appearance. See various press releases, such as:

<[http://news.yahoo.com/news?tmpl=story&u=/ap/20050327/ap\\_en\\_tv/people\\_schwarzenegger\\_1](http://news.yahoo.com/news?tmpl=story&u=/ap/20050327/ap_en_tv/people_schwarzenegger_1)>

<<http://www.kesq.com/Global/story.asp?S=3129334>>

**Solar Photo Voltaics Report [Amy Cole] 3-29-05**

Research & Markets is offering Solar Photo Voltaics (SPV) Report 2005 Edition 2, which charts the changes in the industry in this last dramatic year. SPV 2005 outlines the technology and industry, with applications of PV, and provides market sizes and future projections, as well as other data and analyses. Information at:

<<http://www.researchandmarkets.com/reports/c14643/>>

**PowerLight's Solar Currents 3-30-05**

For the latest issue of PowerLight's Solar Currents newsletter with case studies, customer profiles, and news, see:

<<http://www.powerlight.com/newsletters/issue6.htm>>

**White Paper on Nanotech 3-31-05**

A white paper on "How Nanotechnology is Changing the Energy Equation" is available through NanoMarkets. A report, "Alternative Energy Generation and Transmission: An Analysis of Opportunities in Emerging Energy and Power Markets" will be released in late April. Information at: <[http://www.nanomarkets.net/white\\_papers.htm](http://www.nanomarkets.net/white_papers.htm)>

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bEB93C9C9-C862-4E31-9B29-951B9A35AD4A%7d&siteid=mktw&dist=nbk&sybm=>>>

**Solicitations, RFPs, LOIs, etc. & Awards**

**Konarka Technologies Grant 3-2-05**

Konarka Technologies announced it was awarded a \$500,000 grant from the National Science Foundation. The goal of this NSF Small Business Innovation Research Phase II project is to raise the performance of the company's dye-sensitized solar cell technology, including generating more electrical current and improving efficiency to 10% or higher. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4870837&ResultCategoryType=2,7&NewsPageID=3>>

Konarka:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Ekonarka%2Ecom&template=2,2>>

**California Request for Proposals 3-2-05**

The California Energy Commission's Public Interest Energy Research Environmental Area (PIER-EA) Program is requesting proposals for research projects through its Environmental Exploratory Grant Program. The goal is to support the early development of promising, new scientific concepts that have the potential to impact the way we

understand and/or address energy-related environmental issues. See:  
<<http://www.energy.ca.gov/contracts/index.html#PIER>>

### **Xcel Energy Request for Proposals [Green Power Network] 3-3-05**

As part of its Colorado least-cost resource plan, Public Service Co. of Colorado is conducting an All-Source Solicitation consisting of 3 separate Requests for Proposals, issued February 24, 2005. PSCo is requesting proposals for about 2,500 MW of additional electric supply and demand side resources. The RFPs include dispatchable, non-dispatchable (wind, solar, biomass, geothermal, hydro of 10 MW or less), and demand-side management. Information at: <[http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-1\\_1875\\_15056\\_19692-17392-0\\_0\\_0-0.00.html](http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-1_1875_15056_19692-17392-0_0_0-0.00.html)>

Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

### **Bids for PV in Bolivia 3-7-05**

The Government of Bolivia has launched an international tender for about 15,000 PV systems to be installed in households, schools, and micro enterprises. International and national companies are invited to apply. Information at Solarbuzz: <<http://www.solarbuzz.com/news/NewsSAPR31.htm>>

### **California Energy Commission PIER Grants 3-9-05**

The California Energy Commission will conduct 3 workshops to provide information on the Public Interest Energy Research-Environmental Area team's request for grant applications through its Environmental Exploratory Grant Program. Information at: <<http://www.energy.ca.gov/contracts/#PIER>>

### **Maryland Solar Energy Grants 3-15-05**

The Maryland Energy Administration is offering a grant program to help fund solar energy projects for individuals, local government, schools, nonprofits and businesses. Coverage at:  
<<http://sodm.com/news/headlines/articles/1768.shtml>>

### **Michigan Renewable Energy RFP 3-15-05**

Consumers Energy is seeking bids for the development of renewable energy projects in Michigan. Information at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=23768>>  
Consumers Energy RFP: <<http://www.consumersenergy.com/greenenergy/>>

### **Pennsylvania, Aid for Clean Energy Projects 3-17-05**

A newly revitalized Pennsylvania Energy Development Authority will release new guidelines April 1 for \$10 million in available financial assistance to build clean energy projects in the Commonwealth. Applicants can seek financial assistance in the form of grants, loans or loan guarantees for a variety of electric power projects, including solar. Information at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b9DEE62E5-A0B4-4847-8E30-CC93B8B8FAB5%7d&siteid=mktw&dist=nbk&symb=>>>

Pennsylvania Department of Environmental Protection: <<http://www.dep.state.pa.us/>>

### **Skoll Foundation Awards 3-18-05**

The Skoll Foundation awarded nearly \$9.5 million to 22 organizations that support social entrepreneurs. One of these awards is \$615,000 to Barefoot College (Social Work and Research Centre) based in Rajasthan, India for replication in Africa and Asia of village-managed, controlled and owned development in solar electrification and rooftop rainwater harvesting in school programs. Information at:

<<http://www.skollfoundation.org/grantees/socialentrepreneurship/index.asp>>

### **California, Nevada City Solar RFP 3-21-05**

Nevada City Co-housing has issued an RFP for about 35 kW of PV systems to power 34 high-efficiency townhomes as well as a common meter. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR473.htm>>  
Sustainable Spaces: <<http://www.sustainablespaces.com/>>

### **New York State University at Albany Solar Cell Research 3-22-05**

The state University at Albany is one of 7 colleges that will share \$2.7 million to bring high-tech research innovations to the marketplace. UAlbany's grant of \$750,000 will go toward a collaborative effort with DayStar Technologies to develop optimized substrate templates for solar cell applications. Press at:

<<http://www.bizjournals.com/albany/stories/2005/03/21/daily4.html>>

### **USDA Conservation Program Renewables [Kevin Eber, EERE Network News] 3-23-05**

The USDA Conservation Security Program will start accepting sign-ups from farmers and ranchers on March 28. This year's program includes a renewable energy and energy efficiency component. More at EERE Network News:

<<http://www.eere.energy.gov/news/#8931>>

USDA: <<http://www.usda.gov/wps/portal/usdahome?contentidonly=true&contentid=2005/03/0093.xml>>

**California Clean Energy Fund [Kevin Eber, EERE Network News] 3-23-05**

California Clean Energy Fund (CalCEF) announced that 3 leading venture capital firms will make equity investments in clean energy companies on its behalf, with each firm investing \$8.5M in companies involved in renewable energy, energy efficiency, energy storage, and enabling technologies and services. Information at EERE Network News:

<<http://www.eere.energy.gov/news/#8932>>

CalCEF Press: <[http://www.calcef.org/about/recent\\_press.asp](http://www.calcef.org/about/recent_press.asp)>

**DARPA Solar Cell Solicitation 3-28-05**

The objective of the Very High Efficiency Solar Cell program is to demonstrate at least 50% efficiency in a photovoltaic (PV) device. For information on Title: A -- BAA05-21 Very High Efficiency Solar Cell (VHESC), Announcement#: BAA05-21, see DARPA: <<http://www.darpa.mil/baa/#ato>>

<<http://www.darpa.mil/baa/BAA05-21.html>>

**Renewable Hawaii Request for Proposals 3-29-05**

Renewable Hawaii, Inc. issued a second round Renewable Energy Request for Project Proposals. Renewable Hawaii is seeking opportunities for equity investment in commercially viable and cost-effective projects to produce electricity for Hawaii from renewable resources. Information at:

<<http://www.renewablehawaii.com/images/pdf/RERFPP2pressrelease032805.pdf>>

Renewable Hawaii: <<http://www.renewablehawaii.com/RenewableHawaii/home/>>

**USDA Renewable Energy & Energy Efficiency Projects 3-29-05**

The USDA announced availability of \$22.8 million to support investments in renewable energy systems and energy efficiency improvements by agricultural producers and rural small businesses. For stories, see Solarbuzz at:

<<http://www.solarbuzz.com/News/NewsNAGO236.htm>> and RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=24269>>

USDA: <<http://www.rurdev.usda.gov/rd/newsroom/news.htm>>

**Million Solar Roofs Solicitation 3-29-05**

DOE's National Energy Technology Laboratory released the solicitation for the Million Solar Roofs Initiative Small Grant Program for State and Local MSR Partnerships. Proposals are due April 26, 2005. Per the press, applicants who are interested in establishing a Partnership were to contact Glenn Strahs, DOE HQ Project Manager, and provide a letter stating the intent to establish a Partnership, by March 25, 2005. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAGO237.htm>>

MSR: <[http://www.millionsolarroofs.com/articles/static/1/1109273868\\_1023713684.html](http://www.millionsolarroofs.com/articles/static/1/1109273868_1023713684.html)>

**NSF Photovoltaic Projects 3-29-05**

For a searchable database on NSF projects, with results for "photovoltaic", see:

<<http://www.nsf.gov/awardsearch/progSearch.do;jsessionid=1C018DFC9B432D8D062A6B3E59FD9B79?SearchType=progSearch&page=2&QueryText=photovoltaic&ProgOrganization=&ProgOfficer=&ProgEleCode=&ProgRefCode=&ProgProgram=&ProgFoaCode=&Search=Search#results>>

**Competitions**

**Solar Car Race 3-21-05**

For coverage of the "Solar Revolution III" gearing up for the race this summer, see the article at:

<<http://www.cavalierdaily.com/CVArticle.asp?ID=22767&pid=1272>>

Solar Revolution III: <[http://www.uvasolarcar.com/solar\\_home.htm](http://www.uvasolarcar.com/solar_home.htm)>

American Solar Challenge: <<http://www.americansolarchallenge.org/>>

**CU Solar Decathlon Team 3-23-05**

CU's Solar Decathlon team members kicked off their bid to build the nation's best home powered completely by solar energy. CU will compete with other universities in Washington, D.C. in October. Story at:

<<http://www.coloradodaily.com/articles/2005/03/22/news/news01.txt>>

Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

**Additional**

**Americans for Solar Power-PV Manufacturers Alliance 3-2-05**

Americans for Solar Power-PV Manufacturers Alliance was officially launched at the Power-Gen conference. Based in Arizona, the Alliance is dedicated to helping America achieve an annual 1-gigawatt market for distributed solar

electricity in 2010. Glen Hamer, ASPv-PVMA President, announced that “ASPv-PVMA will provide expert analysis to help the states take advantage of their solar resources, while mobilizing the American people to embrace solar energy.” Stories at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO231.htm>> and <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4853175&ResultCategoryType=2,7&NewsPageID=3>> <<http://releases.usnewswire.com/GetRelease.asp?id=43709>> Americans for Solar Power: <<http://www.forsolar.org/>>

**More on New Solar Industry Group, ASPv-PVMA 3-3-05**

The Americans for Solar Power-PV Manufacturers Alliance intends to “establish thriving, sustainable mainstream markets for cost-effective distributed solar power, through policy and regulatory initiatives that lead to robust market growth.” The organization is based in Arizona, and led by Glenn Hamer, former Executive Director of SEIA. See the coverage at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=23258>> Americans for Solar Power: <<http://www.forsolar.org/>>

**Lawrence Kazmerski National Academy Member 3-7-05**

Dr. Lawrence Kazmerski, Director of the National Center for Photovoltaics at the National Renewable Energy Laboratory, has been elected a member of the National Academy of Engineering. Said David Garman, DOE Assistant Secretary for Energy Efficiency and Renewable Energy, “I congratulate Dr. Kazmerski for this significant achievement. Kaz is known around the world for his leadership in solar energy research. NREL, DOE and the nation are fortunate to have such a talented and tireless researcher who has devoted his life to this important work.” Said Dan Arvizu, NREL’s Lab Director, “Kaz isn’t just a leading light for the discipline of engineering, he’s become a veritable institution in the field of solar energy.” Press at: <[http://www.nrel.gov/news/press/2005/1105\\_academy\\_engineering.html](http://www.nrel.gov/news/press/2005/1105_academy_engineering.html)>

**David Garman Nomination 3-7-05**

David Garman has been nominated to be Under Secretary of Energy. White House Press Release: <<http://www.whitehouse.gov/news/releases/2005/03/20050304-11.html>>

**Pennsylvania, 2004 Governor’s Awards for Environmental Excellence 3-18-05**

Winners of the 2004 awards include the Philadelphia Million Solar Roofs Partnership, highlighting the Norris Square Solar Project – the first PV installation to benefit the residents of affordable housing and the largest PV installation in Philadelphia. Press at: <[http://www.dep.state.pa.us/dep/deputate/pollprev/gov-awards-redesign/Philly\\_M\\_Solar.htm](http://www.dep.state.pa.us/dep/deputate/pollprev/gov-awards-redesign/Philly_M_Solar.htm)>

**U.S. Deputy Secretary of Energy 3-22-05**

Jeffrey Clay Sell was sworn in as Deputy Secretary of Energy by Energy Secretary Samuel Bodman. DOE Press: <[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=17640&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PR\\_ESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=17640&BT_CODE=PR_PRESSRELEASES&TT_CODE=PR_ESSRELEASE)>

**Fujipream Corporation Curved PV Modules [PV Activities in Japan] 2-1-05**

Fujipream installed its proprietary curved multicrystalline silicon PV modules, laminated with weather-resistant flexible plastic sheets, along the parapet on the roof of the Kohto Factory. Fujipream is currently verifying physical properties such as strength, weatherability, and moisture resistance in a NEDO project. For this article with photos, and much more information on PV in Japan, see PV Activities in Japan, by subscription, Osamu Ikki, RTS Corporation, Tokyo, [ikki@rts-pv.com](mailto:ikki@rts-pv.com), +81-3-3551-6345.

**More on PowerLight in Bavaria 2-1-05**

The 10-MW Bavaria Solarpark comprises 3 systems with 57,600 PV panels, and uses solar trackers to maximize the facility's energy production. In addition to PowerLight, the project partners are K&S Consulting Group and Deutsche Structured Finance, along with help from Siemens AG, Max Bogl Group, and the Klebl Group. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=21714>>  
PowerLight: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=1382>>

**Megawatt PV System in Germany 2-2-05**

On December 17, a PV power plant was grid-connected on the site of a former nuclear power plant in Greifswald, Germany. It took 7 weeks to build the 1.8 MW system, comprising about 11,000 BP 3160 Q series modules and 6 Sunny Central 250 kVA inverters from SMA. Story at Photon International: <[http://www.photon-magazine.com/news/news\\_2005-02\\_eu\\_sn\\_Lubmin.htm](http://www.photon-magazine.com/news/news_2005-02_eu_sn_Lubmin.htm)>  
For contents of the February 2005 issue of Photon International, see: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-02.htm](http://www.photon-magazine.com/photon/news_issue_2005-02.htm)>

**New Jersey Solar Project 2-4-05**

Johnson & Johnson has proposed a PowerLight solar array, which likely will span 70,000 to 100,000 square feet behind the campus' main building, with a cost of \$3.3 million, and a rebate of \$1.9 million through the New Jersey Clean Energy Program. Story through Solarbuzz at:  
<[http://www.zwire.com/site/news.cfm?newsid=13888036&BRD=1091&PAG=461&dept\\_id=425695&rfi=6](http://www.zwire.com/site/news.cfm?newsid=13888036&BRD=1091&PAG=461&dept_id=425695&rfi=6)>  
PowerLight: <<http://www.powerlight.com/>>

**California, Sonoma County Solar 2-7-05**

The Sonoma County Water Agency hopes to install a \$7 million, 930-kW solar-panel project to offset power costs at the wastewater treatment plant. Story through Solarbuzz at:  
<[http://www.sonomanews.com/articles/2005/02/03/news/top\\_stories/news01.txt](http://www.sonomanews.com/articles/2005/02/03/news/top_stories/news01.txt)>

**Solar in Arizona 2-9-05**

The City of Yuma and APS' "solar garden" project is described at RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=22222>>  
For a story on a rooftop PV system reducing utility bills in Paradise Valley, Arizona, with support from Arizona incentives, see: <[http://www.newszap.com/articles/2005/02/08/az/north\\_valley/tpv05.txt](http://www.newszap.com/articles/2005/02/08/az/north_valley/tpv05.txt)>

**RWE SCHOTT Solar PV System 2-10-05**

RWE SCHOTT Solar Inc. completed a solar electric system at Chromeworks, Inc. in Chico, California. Engineered by RSS and installed by Ericson Solar, the system utilizes a unique design that incorporates two distinct arrays into one 52-kW system. One array is on the roof of the building; a carport designed and built specifically to use ASE 300 Series PV modules as its roof supports the rest of the system. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNAPR458.htm>>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/>>  
Ericson Solar: <<http://www.ericsonsolar.com/>>

**Solar Electric System at University of Oregon 2-10-05**

A new 40-kW, 84-module solar electric system is in operation at the University of Oregon's Student Recreation Center. Said Frank Vignola, director of the University of Oregon Solar Energy Center, "The project, initiated and funded by University of Oregon students, demonstrates their desire for a sunnier future and shows their commitment to address problems facing this nation and the world in a positive manner." Story at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=22320>>



### **SPS PV System for Alberta High School 2-14-05**

SPS Energy Solutions provided a solar grid tie PV system and a wind turbine to Cochrane High School in Alberta. The 3-kW solar system runs about 1% of their total electrical usage. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=22259>>  
SPS: <<http://www.spsenergy.com/>>

### **More on Millennium Electric's PV System in Spain 2-14-05**

Millennium Electric has been awarded a contract to erect a 50-kW grid-connect rooftop PV system in Spain. The first agreement calls for an initial payment of \$320,000. Under the terms of the agreement, Millennium Electric TOU will install its patented Multi Solar System in a private area on the Spanish shoreline. This is part of a broader agreement with the local Spanish company, Prom Sol Energie. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEUPR200.htm>>  
Millennium Electric T.O.U.: <<http://www.millennium-electric-inc.com/>>

### **SolarGen Project in Wales 2-16-05**

SolarGen Solutions has completed a solar-lit car park at the UK's second biggest airport. The network of lights consists of 2 collection fields of 20 individual columns, each with its own PV panel. Story through Solarbuzz at: <[http://icwales.icnetwork.co.uk/0300business/0100news/tm\\_objectid=15194608&method=full&siteid=50082&headline=solargen-keeps-the-sun-shining-into-the-night-name\\_page.html](http://icwales.icnetwork.co.uk/0300business/0100news/tm_objectid=15194608&method=full&siteid=50082&headline=solargen-keeps-the-sun-shining-into-the-night-name_page.html)>  
SolarGen Solutions: <<http://www.solargen.biz/index.htm>>

### **California, PV for Bridge Lights 2-16-05**

One hundred sixty LED light fixtures light up the Vincent Thomas Bridge in Los Angeles, and during the day, a PV system offsets the power needed for the project. Story and photo at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story.jsessionid=a0F0pvjv8qDc?id=22477>>

### **Pennsylvania Governor's Solar 2-18-05**

Mesa Environmental Sciences, Inc. is the project team leader selected by BP Solar to design, install, and maintain a PV system on the Pennsylvania Governor's residence in Harrisburg, at no cost to the Commonwealth of Pennsylvania. The Governor's Residence Solar Project is a collaboration among the Sustainable Development Fund, BP Solar, BP Products North America, and Mesa Environmental Sciences, Inc. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR459.htm>>  
Mesa Environmental Sciences: <<http://www.mesaenvironmental.net/>>  
Sustainable Development Fund: <<http://www.trfund.com/sdf/>>  
Million Solar Roofs: <<http://www.millionsolarroofs.com/>>  
BP Solar: <<http://www.bpsolar.com/>>

### **More on Shafer Vineyards Going Solar 2-18-05**

With its new solar facility on Silverado, east of Yountville, California, Shafer Vineyards is the first Napa Valley winery to use solar power exclusively. Story at the St. Helena Star: <[http://www.sthelenastar.com/templates/index.cfm?template=story\\_full&id=667DC1F6-2643-4BCD-9A29-C8A3EE551555](http://www.sthelenastar.com/templates/index.cfm?template=story_full&id=667DC1F6-2643-4BCD-9A29-C8A3EE551555)>

### **Solar Installation in Germany 2-21-05**

Stadtwirtschaft GmbH is planning the largest solar installation in Thuringen and the region. Stadtwirtschaft GmbH will be the investor and operator for the project. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUPR202.htm>>

### **California, Oakland Solar System 2-22-05**

Sun Power & Geothermal Energy Co., Inc. and the Oakland Scottish Rite Center are breaking ground on a 100-kW solar energy system. Said Oakland Mayor Jerry Brown, "This system will help us reach our five Megawatt solar goal, putting Oakland on the map as one of the country's greenest cities." Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR460.htm>>  
Sun Power & Geothermal Energy: <<http://www.sunpowergeo.com/>>

### **Solar for Ice Rink in New York 2-22-05**

Albany County plans to use solar energy at its hockey facility in Colonie. The County will team up with the state Energy Research and Development Authority, which will provide \$240,000 for the project, and ETM Solar Works, which will install the 40-kW PV system on the roof of the facility. Story at: <<http://www.timesunion.com/AspStories/story.asp?storyID=335285&category=REGION&newsdate=2/22/2005>>  
ETM Solar Works: <<http://www.etmsolar.com/>>  
NYSERDA: <<http://www.nyserda.org/>>



### **Solar Park in Massachusetts 2-24-05**

Per this article, Governor Mitt Romney signed legislation that allows the city of Brockton to build and operate a \$3.6 million solar electric facility. The project calls for installing PV panels on 10 acres to create a "brightfield". Requests for proposals will be issued this spring so construction can start in the fall. Story at:

<[http://www.boston.com/news/local/articles/2005/02/24/plan\\_for\\_solar\\_park\\_wins\\_ok/](http://www.boston.com/news/local/articles/2005/02/24/plan_for_solar_park_wins_ok/)>

### **Solar at London Bus Garages 2-24-05**

The refurbished Walworth Bus Garage in London now has 744 solar panels on the roof, helping to power the national grid. Story through Solarbuzz at: <[http://news.bbc.co.uk/2/hi/uk\\_news/england/london/4292601.stm](http://news.bbc.co.uk/2/hi/uk_news/england/london/4292601.stm)>

### **California, Yuba City Solar 2-24-05**

Yuba City is hoping to lower its power bills with a \$5 million, 775-kW solar installation at the city's wastewater treatment plant. Story at: <[http://www.appeal-democrat.com/articles/2005/02/24/news/local\\_news/news4.txt](http://www.appeal-democrat.com/articles/2005/02/24/news/local_news/news4.txt)>

### **Solar Power Systems for Police Stations in Rural India 2-25-05**

Solar power systems have been commissioned in 300 police stations located in various rural areas of Karnataka by the Electronics Division of Bharat Heavy Electricals Limited. Story at: <<http://www.newkerala.com/news-daily/news/features.php?action=fullnews&id=77603>>

BHEL: <<http://66.39.99.160/bhel/about.htm>>

### **Clarum Apartment Community with GE Technology 2-28-05**

Clarum Homes completed construction of the Vista Montana apartment community in California, with a building integrated solar electric system from GE Energy. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR463.htm>>

GE Energy: <<http://www.gepower.com/home/index.htm>>

### **New England Brightfield Solar Project 2-28-05**

The Brightfield project in Brockton will include as many as 6,720 solar panels, making it one of the largest solar projects in the U.S. See RenewableEnergyAccess coverage at:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a4PKnRCYIAQ9?id=23001>>

See additional solar news at Briefly Noted:

<<http://www.renewableenergyaccess.com/rea/news/section?id=BRIFEF#23004>>

## **Technology Applications**

### **PV Powered Stratellites 2-10-05**

Sanswire Networks has created a high-altitude communications systems made up of a series of PV-powered Stratellites, which are high-altitude, unmanned airships that allow for wireless services in remote regions. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/section?id=BRIFEF#22311>>

Sanswire Networks: <<http://www.sanswire.com/>>

### **Sanswire Update 2-15-05**

GlobeTel Communications Corp. provided a construction update and schedule of events for their wholly owned subsidiary, Sanswire Networks, LLC. Per Timothy Huff, CEO of GTEL, "Our partners and technology summit will be held on the 22<sup>nd</sup> and 23<sup>rd</sup> of February. ... Vernon Koenig, chief engineer and inventor of the airship will also give his presentation on his vision of high altitude airships and their future." The schedule calls for PV, which will generate the majority of the power used on Sanswire One, to be delivered by the U.S. vendor on March 4 and installed the following week. March 23-25 is the launch window. Story at: <[http://biz.yahoo.com/bw/050215/155413\\_1.html](http://biz.yahoo.com/bw/050215/155413_1.html)>

Sanswire: <<http://www.sanswire.com/>>

## **Technology Developments**

### **Fujipream Corporation Curved PV Modules [PV Activities in Japan] 2-1-05**

Fujipream installed its proprietary curved multicrystalline silicon PV modules, laminated with weather-resistant flexible plastic sheets, along the parapet on the roof of the Kohto Factory. Fujipream is currently verifying physical properties such as strength, weatherability, and moisture resistance in a NEDO project. For this article with photos, and much more information on PV in Japan, see PV Activities in Japan, by subscription, Osamu Ikki, RTS Corporation, Tokyo, [ikki@rts-pv.com](mailto:ikki@rts-pv.com), +81-3-3551-6345.

### **"Photovoltaic Materials for the 21<sup>st</sup> Century" 2-3-05**

For information on research being carried out by the School of Electronics and Computer Science at the University of Southampton focusing on nanopatterning to design solar panels, see: <<http://www.ecs.soton.ac.uk/news/679>>

### **SolarWorld Research 2-7-05**

SolarWorld AG is teaming up with two industry partners and two institutes to establish a new technology center for semiconductor materials in Freiberg, Germany. Says Dipl.-Ing. Frank H. Asbeck, Chairman and CEO of SolarWorld AG, "The expansion of research and development is an important prerequisite to attain and secure the highest level of technological excellence in the growth market of photovoltaics. With this initiative, we will underline our claim on quality leadership." Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEUCO162.htm>>  
SolarWorld: <<http://www.solarworld.de/>>

### **Enecsys 2-9-05**

Enecsys has developed proprietary power electronic control and integrated circuit technology for next-generation power conditioning for grid-connected renewable energy applications. For more on this company, see: <<http://www.enecsys.com/technology/>>

### **Pyron Solar Prototype Plant 2-16-05**

Pyron Solar Inc.'s power plant design uses a low-profile floating system with short-focal-length lenses concentrating direct sunlight onto PV cells. The first Pyron solar power plant, with Boeing-Spectrolab PV cells, was built in El Cajon CA, near San Diego. Coverage at: <[http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell\\_id=69&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e](http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell_id=69&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e)> and Pyron: <<http://www.pyronsolar.com/>>  
Earlier San Diego Press: <[http://www.signonsandiego.com/uniontrib/20050109/news\\_m1c9solarcpy.html](http://www.signonsandiego.com/uniontrib/20050109/news_m1c9solarcpy.html)>

### **Thermal Desalination in Australia 2-17-05**

CSIRO has formed an alliance with Aqua Dyne, Inc. to conduct research into water purification and water remediation, which will initially focus on use of solar energy for water desalination. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4520171&ResultCategoryType=2,7&NewsPageID=3>>  
Aqua Dyne: <<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eaquadyne%2Eus%2Ecom&template=2,2>>

### **Flexible Organic Solar Cell [RTS Corporation] 2-22-05**

Per "PV Activities in Japan" [subscription], the National Institute of Advanced Industrial Science and Technology developed a flexible organic thin-film solar cell, with a 4% conversion efficiency. This and more news in "PV Activities in Japan", by subscription, email: [ikki@rts-pv.com](mailto:ikki@rts-pv.com), +81-3-3551-6345.

### **Carbon Nanotube Structures 2-28-05**

For press coverage of Georgia Tech Research Institute's "towers" composed of carbon nanotubes atop silicon wafers, see coverage at: <<http://www.azonano.com/news.asp?newsID=548>> and <<http://www.physorg.com/news3202.html>>

## **Manufacturing**

### **More on Sharp's Solar Cell Production 2-2-05**

In January, Sharp began operation of 2 new cell lines at its production site in Katsuragi, Japan, increasing annual capacity from 315 to 400 MW. Story at Photon International: <[http://www.photon-magazine.com/news/news\\_05-02\\_ap\\_sn\\_Sharp.htm](http://www.photon-magazine.com/news/news_05-02_ap_sn_Sharp.htm)>

### **Photovoltaic Manufacturing Industry Platform [Wolfgang Koch] 2-4-05**

Europa 2005 offers a dedicated platform for PV Manufacturing, equipment and materials suppliers, from feedstock to module production. The 1<sup>st</sup> International Photovoltaic Manufacturing Equipment & Materials Exposition is set for 12-14 April in Munich, Germany, with the 1<sup>st</sup> International Advanced Photovoltaic Manufacturing Technology Conference, and SEMI in cooperation with EPIA. For more information, see the following links:

SEMI: <<http://wps2a.semi.org/wps/portal/>>

Information for visitors:

<[http://wps2a.semi.org/wps/portal/\\_pagr/128/\\_pa.128/461?&dFormat=application/msword&docName=P034499](http://wps2a.semi.org/wps/portal/_pagr/128/_pa.128/461?&dFormat=application/msword&docName=P034499)>

Visitors registration:

<[http://wps2a.semi.org/wps/portal/\\_pagr/128/\\_pa.128/465](http://wps2a.semi.org/wps/portal/_pagr/128/_pa.128/465)>

Information for exhibitors:

Photovoltaic Exhibit Platform - See Application Contract, the Brochure (PDF 95KB), and PHOTON Magazine, January 2005 (PDF 603KB).  
<[http://dom.semi.org/web/wFiles.nsf/Lookup/SE05\\_PV\\_Exhibitor\\_Application/\\$file/SE05\\_PV\\_Exhibitor\\_Application.doc](http://dom.semi.org/web/wFiles.nsf/Lookup/SE05_PV_Exhibitor_Application/$file/SE05_PV_Exhibitor_Application.doc)>  
<[http://dom.semi.org/web/wFiles.nsf/Lookup/SE05\\_PV\\_Booth\\_Flyer/\\$file/SE05\\_PV\\_Booth\\_Flyer.pdf](http://dom.semi.org/web/wFiles.nsf/Lookup/SE05_PV_Booth_Flyer/$file/SE05_PV_Booth_Flyer.pdf)>  
<[http://dom.semi.org/web/wFiles.nsf/Lookup/SE05\\_PV\\_Photon\\_Magazine/\\$file/SE05\\_PV\\_Photon\\_Magazine.pdf](http://dom.semi.org/web/wFiles.nsf/Lookup/SE05_PV_Photon_Magazine/$file/SE05_PV_Photon_Magazine.pdf)>

#### **Intelligent Manufacturing 2-4-05**

The Interagency Working Group on Manufacturing Research and Development of the Committee on Technology, National Science and Technology Council, will hold a public forum to review the current state of manufacturing R&D in three priority areas: nanomanufacturing, manufacturing for the hydrogen economy, and intelligent and integrated manufacturing systems. The working group will consider public comments made at this event or submitted in writing in developing recommendations aimed at guiding Federal manufacturing R&D programs for the next 5 to 10 years. The Interagency Working Group was established based on a recommendation of the January 2004 Department of Commerce report, "Manufacturing in America: A Comprehensive Strategy to Address the Challenges to U.S. Manufacturers". More information will be forthcoming at the website: <<http://www.ostp.gov/mfgiwg>>. The public forum is set for 3 March 2005, 8:30am-4pm in Washington, D.C. in the Department of Commerce auditorium. Contact: [sskemp@ostp.eop.gov](mailto:sskemp@ostp.eop.gov)

#### **BP Solar Expanding Plant 2-8-05**

BP Solar is planning an expansion of its plant at Solarex Court. For the story on the expansion, and BP Solar's perspective on the PV market, see the article at:  
<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4486473&ResultCategoryType=2,7&NewsPageID=3>>  
BP Solar: <<http://www.bpsolar.com/ContentMap.cfm?page=2&BreadCrumb=yes>>

#### **MSK PV Expansion 2-9-05**

MSK Corporation announced plans to open new module production facilities in Hokkaido, northern Japan and Germany in 2005, moving closer toward their goal of reaching a 250 MW capacity. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsASCO34.htm>>  
MSK: <<http://www.msk.ne.jp/english/index.shtml>>

#### **Applied Films Sputtering System 2-10-05**

Applied Films announced the first sale of one of its solar cell production systems. Said Thomas T. Edman, CEO of Applied Films, "Following our continued investment in this industry, we have successfully rolled out a high volume production platform for the Photovoltaics market, which we anticipate will be an exciting growth engine for us for years to come." Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUMA59.htm>>  
Applied Films: <<http://www.appliedfilms.com/>>

#### **Shell Solar Robotics 2-14-05**

For an article on success Shell Solar is having with robotics, see:  
<<http://www.roboticsonline.com/public/articles/index.cfm?cat=433>>  
Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

#### **BP Expansion in Sydney 2-22-05**

As part of its plan to expand global capacity from 90 to 200 MW by 2006, BP Solar announced the expansion of its Sydney manufacturing facility. Coverage by RenewableEnergyAccess at:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=22815>>  
BP Solar: <<http://www.bpsolar.com/index.cfm>>

#### **Malaysian National News Agency on CIGS Venture 2-28-05**

Per the Malaysian National News Agency BERNAMA, a Malaysian firm has joined hands with its American counterpart to "produce technology on power generation through copper indium gallium selenide (CIGS) solar cells". Story through Solarbuzz at: <[http://www.bernama.com.my/bernama/v3/news\\_business.php?id=121280](http://www.bernama.com.my/bernama/v3/news_business.php?id=121280)>

### **Industry Business Developments, Status**

#### **GE Commercial Finance Clean Energy Initiative 2-1-05**

GE Commercial Finance announced an initiative to provide financial solutions to the growing number of companies focused on clean energy and related technologies. The initiative combines the structuring and underwriting expertise of Technology Lending and the industry expertise of Energy Financial Services to provide a full range of financing products and services to companies that deliver clean or renewable energy directly, or develop new technologies for

cleaner and more efficient energy generation and distribution. Story at:  
<[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_view&newsId=20050131005601&newsLang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_view&newsId=20050131005601&newsLang=en)>  
GE: <<http://www.gegmc.com/index.html>>

#### **DayStar Technologies "Solar Current" 2-1-05**

In a letter to Company shareholders, Dr. John Tuttle, CEO of DayStar Technologies, Inc. provided a summarized corporate update on the status of growth initiatives, ongoing execution of the Company's business plan, and insight into 2005 goals and objectives. Details at: <[http://biz.yahoo.com/pnews/050201/sftu106\\_1.html](http://biz.yahoo.com/pnews/050201/sftu106_1.html)>  
DayStar Technologies: <<http://www.daystartech.com/>>

#### **FPL Energy and Carlyle/Riverstone Solar Assets 2-1-05**

FPL Energy and affiliates of Carlyle/Riverstone have purchased ownership interest for an "effective" 141 MW of solar power generation in California. FPL Energy and affiliates purchased majority interest in 5 30-MW Solar Energy Generation System (SEGS III-VII) assets in the Mojave Desert. Story at:  
<[http://biz.yahoo.com/bw/050201/15578\\_1.html](http://biz.yahoo.com/bw/050201/15578_1.html)>  
FPL: <<http://www.FPLGroup.com/>>  
<<http://www.FPL.com/>>  
Carlyle Group: <<http://www.carlyle.com/eng/index.html>>

#### **Energy Innovations Developments [Steve Chadima] 2-2-05**

Energy Innovations, Inc. announced that it has acquired Prevalent Power, Inc. The company will continue its operations under a new name, EI Solutions, and Prevalent Power's CEO, Arno Harris, will become general manager of the new company. In addition to its current business developing traditional flat-panel PV solar projects, the EI Solutions engineering and sales team will manage the initial sales and installations of Energy Innovations' new low-cost rooftop solar system, called the Sunflower. Story at Solarbuzz:  
<<http://www.solarbuzz.com/News/NewsNACO283.htm>>  
For additional coverage of Energy Innovations, and its foundations, see the Fortune article at:  
<<http://www.fortune.com/fortune/smallbusiness/technology/articles/0,15114,1021306,00.html>>  
Energy Innovations: <<http://www.energyinnovations.com/>>  
EI Solutions: <<http://www.prevalentpower.com/>>

#### **Monocrystalline Silicon Modules from Aleo 2-2-05**

For more information on monocrystalline silicon modules from Aleo Solar, see the article at Photon International:  
<[http://www.photon-magazine.com/products/products\\_05-02\\_sn\\_aleo.htm](http://www.photon-magazine.com/products/products_05-02_sn_aleo.htm)>. The modules are manufactured at Aleo's sister company S.M.D. Solarmanufaktur Deutschland near Berlin, producing 28 MW in 2004 with plans for 55 MW output this year.  
Aleo: <<http://www.aleo-solar.de/>>

#### **More on Smeloff at Sharp Electronics Corp. 2-2-05**

Sharp Electronics Corp. hired Ed Smeloff as senior manager for project development and he will take over responsibility for development of Sharp's commercial project business at Sharp's Huntington Beach, California office. More at Photon International: <[http://www.photon-magazine.com/personalities/personalities\\_05-02\\_sn\\_Smeloff.htm](http://www.photon-magazine.com/personalities/personalities_05-02_sn_Smeloff.htm)>

#### **More on SEGS 2-2-05**

Northwest Natural Gas Company, dba NW Natural, announced the sale by its subsidiary, NNG Financial Corporation, of its limited partnership interests in three solar electric generating systems for approximately \$3 million to subsidiaries of FPL Energy, LLC and Carlyle/Riverstone Energy Partners II, L.P. Story at:  
<[http://biz.yahoo.com/bw/050201/16227\\_1.html](http://biz.yahoo.com/bw/050201/16227_1.html)>  
Additional coverage: <<http://southflorida.bizjournals.com/southflorida/stories/2005/01/31/daily22.html>>  
<<http://www.reuters.com/financeNewsArticle.ihtml?type=mergersNews&storyID=7502041&section=investing>>

#### **Solectria Renewables LLC [Anita Rajan Worden] 2-3-05**

James Worden and Anita Rajan Worden, co-founders of Solectria Corporation, announced the launch of a new company, Solectria Renewables, LLC. The company is 100% focused on and dedicated to the development and manufacturing of power electronics for PV and other renewable power generation markets. For more on this new company, see: <<http://www.solren.com/>>

#### **More on Energy Innovations' Acquisition of Prevalent Power 2-3-05**

For more on Energy Innovations' acquisition of Prevalent Power, and the continuing operations under a new name, EI Solutions, see Renewable Energy Access at: <<http://www.renewableenergyaccess.com/rea/news/story?id=21846>>

### **Konarka Executive 2-3-05**

Konarka Technologies, Inc. announced that Fredric Cramer has joined Konarka as vice president. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO284.htm>>  
Konarka: <<http://www.konarka.com/>>

### **Evergreen Stock Offering 2-4-05**

Evergreen Solar, Inc. announced it has priced its public offering of 12,500,000 shares of common stock. Information at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=ESLR&script=410&layout=6&item\\_id=670540](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=ESLR&script=410&layout=6&item_id=670540)>

### **Solar Runway Lighting 2-4-05**

The U.S. Marine Corps completed an order for 1,000 units of Carmanah's airfield lighting units which can be used for taxiway edge, helipad edge, runway edge, and obstruction lighting. Information at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/section?id=BRIF#21968>>

### **XsunX Expertise 2-7-05**

XsunX announced that Dr. Richard Rocheleau has joined the company's Scientific Advisory Board. More on XsunX and Rocheleau at: <[http://biz.yahoo.com/bw/050207/75634\\_1.html](http://biz.yahoo.com/bw/050207/75634_1.html)>  
XsunX: <<http://www.XsunX.com/>>

### **ECD, United Solar Ovonic Quarter Results 2-7-05**

For the quarter, product sales increased 20% compared to a year ago on the strength of a \$4.6 million sales increase in United Solar Ovonic's PV products. Said James R. Metzger, Executive Vice President and COO, "Sales growth of our solar products continues to be strong and we expect to achieve our sales goals for the remainder of the year. We continued to see a reduction in operating expenses as a result of our cost-containment programs. We are certain the restructuring and cost-cutting initiatives will lead to the continued revenue growth and commercialization of our products and technologies".

Press at: <[http://www.ovonic.com/news\\_events/5\\_2\\_press\\_releases/20050207.htm](http://www.ovonic.com/news_events/5_2_press_releases/20050207.htm)>

### **First Solar Tax Relief 2-8-05**

Perrysburg Township trustees approved a tax abatement for First Solar LLC for a proposed production plant in the township. Story at: <<http://toledoblade.com/apps/pbcs.dll/article?AID=/20050208/NEWS08/502080414/-1/NEWS>>  
First Solar: <<http://www.firstsolar.com/index.html>>

### **SolarWorld International Business 2-9-05**

SolarWorld AG entered into an agreement for production of SolarWorld modules in China with Chinese solar producer Suntech Power Inc. SolarWorld also won a contract for a large-scale solar power station project in Spain. For the story, see:

<[http://money.iwon.com/jsp/nw/nwdt\\_rt.jsp?cat=USMARKET&src=704&feed=dji&section=news&news\\_id=dji-00040520050209&date=20050209&alias=/alias/money/cm/nw](http://money.iwon.com/jsp/nw/nwdt_rt.jsp?cat=USMARKET&src=704&feed=dji&section=news&news_id=dji-00040520050209&date=20050209&alias=/alias/money/cm/nw)>

SolarWorld: <<http://www.solarworld.de/>>

### **GT Equipment Technologies Team 2-9-05**

GT Equipment Technologies, Inc. added three professionals to help the company manage unprecedented growth in the solar energy marketplace. Said Kedar Gupta, CEO, "The addition of these three professionals, combined with the addition in 2004 of our new President and COO, Tom Zarrella from RWE Schott Solar Inc., puts GT Equipment Technologies in an excellent position to serve the growing needs of our customers in the solar and semi-conductor industries". Story at: <[http://biz.yahoo.com/bw/050208/85888\\_1.html](http://biz.yahoo.com/bw/050208/85888_1.html)>

GT Equipment Technologies: <<http://www.gtequipment.com/>>

GT Solar Technologies: <<http://www.gtsolar.com/>>

### **DayStar Appointment 2-9-05**

DayStar Technologies, Inc. announced the appointment of Terence (Terry) Schuyler as Director of Sales and Product Management. Story at: <<http://www.prnewswire.com/cgi-bin/stories.pl?ACCT=109&STORY=/www/story/02-09-2005/0002989237&EDATE=>>>  
DayStar: <<http://www.daystartech.com/>>

### **Solco Acquisition 2-9-05**

Solar hot water systems distributor Solco Limited plans to acquire Choice Electric – one of Australia's major solar power products distributors for Sharp Solar. See News Briefs at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/section?id=BRIF#22226>>



### **Universal Communication Systems / Millennium / AirWater Announcements 2-9-05**

Universal Communication Systems announced that it has concluded negotiations, signed an agreement, and entered into a major sale and distribution agreement with Prom Sol Enrg., a Spanish company. The transaction calls for establishing 10 rooftop, grid-connected 100 kW PV Solar Energy Systems. Also, Prom Sol Enrg. Has contracted to purchase \$50,000 in value for a container of PV Solar Products. See RenewableEnergyAccess News Brief at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=22224>> and story at:

<<http://www.solarbuzz.com/News/NewsEUPR200.htm>>

UCSY:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eucsy%2Ecom&template=2.2>>

Millennium:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Emillennium%2Delectric%2Dinc%2Ecom&template=2.2>>

Also, Universal Communication systems subsidiary, AirWater Corporation, announced that the company has received a firm, fully paid order for 120 AirWater machines for delivery to Texas. Story at:

<<http://biz.yahoo.com/iw/050209/080646.html>>

AirWater: <<http://www.airwatercorp.com/>>

### **GE Solar Equipment for Pardee Homes 2-10--05**

Pardee Homes has selected GE Energy's solar energy equipment for use in the Evergreen residential development, a new California development in South Orange County. See GE Press at:

<[http://www.gepower.com/about/press/en/2005\\_press/020705.htm](http://www.gepower.com/about/press/en/2005_press/020705.htm)>

### **Solar Tower in Australia 2-10-05**

Enviromission will buy a 10,000 ha slice of Tapio station at Buronga, northeast of Mildura, to build a 1-km power-generating solar tower. The project's major investor is the owner of the solar tower technology, SolarMission Technologies. Enviromission has the exclusive Australian rights to the technology. Story at:

<[http://www.nzherald.co.nz/index.cfm?c\\_id=2&ObjectID=10010398](http://www.nzherald.co.nz/index.cfm?c_id=2&ObjectID=10010398)>

Enviromission: <<http://www.enviromission.com.au/>>

SolarMission Technologies: <<http://www.solarmissiontechnologies.com/>>

### **ASiMI Change 2-11-05**

Per this article, Komatsu said they decided to sell their 75% equity ownership in ASiMI in light of the increase in the subsidiary's increased value resulting from current strong demand for silane gas and market conditions for polycrystalline silicon. Renewable Energy Corporation AS, has agreed to purchase the majority interest in order to boost their current solar endeavors. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=az76-KVSeYH4?id=22366>> and Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNACO289.htm>>

REC: <<http://www.rec-pv.no/text/view/3524.html>>

ASiMI: <<http://www.asimi.com/>>

### **ECD Private Placement 2-11-05**

Energy Conversion Devices, Inc. announced it has entered into definitive agreements with investors relating to a private placement of \$87.8 million through the sale of shares of common stock. ECD Ovonic plans to use the net proceeds of this transaction to double the manufacturing capacity of United Solar Ovonic's triple-junction, thin-film amorphous silicon PV products; to exercise the option to purchase for \$4.55 per share the 4,376,633 shares of ECD Ovonic's common stock held by TRMI Holdings, Inc.; and for general corporate purposes, including R&D investments. Press at: <[http://biz.yahoo.com/prnews/050210/deth030\\_1.html](http://biz.yahoo.com/prnews/050210/deth030_1.html)>

ECD: <<http://www.ovonic.com/>>

### **BP Solar Leadership and Expansion 2-11-05**

BP Solar has hired Lee Edwards as the new president for the Frederick, Maryland facility, and former president Steve Westwell will become the BP group vice president of Renewables and Alternatives. Also, the company's Sydney, Australia manufacturing facility will expand its production capacity from 40 to 50 MW. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=22365>>

### **Investment in Day4 2-15-05**

Discovery Capital Management Corp. announced that the Fund has made a further \$800,000 investment in Day4 Energy Inc. Press at: <<http://www.canadait.com/cfm/index.cfm?lt=106&Id=21699&Se=0&Sv=&Lo=2>>

Day4 Energy: <<http://www.day4solar.com/>>

<[http://www.day4solar.com/technology\\_day4energy.htm](http://www.day4solar.com/technology_day4energy.htm)>



#### **Phonix SonnenStrom Agreement with RWE SCHOTT Solar 2-16-05**

In 2005, Phonix Sonnenstrom AG will again provide its customers with access to solar modules from RWE SCHOTT Solar. Phonix Sonnenstrom AG has been sourcing modules from RWE SCHOTT Solar since 1999 and has been a distribution partner since 2003. Coverage at Solarbuzz: <<http://www.solarbuzz.com/News/NewsEUCO164.htm>>  
Phonix Sonnenstrom AG: <<http://www.sonnenstromag.de/>>

Press release: <[http://www.sonnenstromag.de/content/Presse/PM\\_050215\\_RSS\\_Rahmen\\_%20engl.pdf](http://www.sonnenstromag.de/content/Presse/PM_050215_RSS_Rahmen_%20engl.pdf)>  
RWE SCHOTT Solar: <<http://www.rweschottsolar.com/de/webseite.aspx>>

#### **Mitsubishi Module for Overseas Market [Noriyoshi Tsugama] 2-16-05**

Mitsubishi Electric Corporation announced it would begin sales of polycrystalline silicon PV modules with lead-free solder in overseas markets on 1 April 2005. Sales will focus mainly in the expanding potential markets of the U.S. and Europe for on-grid use. Press at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7bE7D65F8F-211D-43E5-8EB7-7B486B2F9B36%7d&siteid=mktw&dist=nbk&sybm=>>

Mitsubishi: <<http://global.mitsubishielectric.com/>>

#### **Konarka PV Fabric 2-16-05**

Konarka Technologies, Inc. announced it is developing PV fabric with Ecole Polytechnique Federale de Lausanne. According to the press, the Photovoltaic Fibers and Textiles Based on Nanotechnology program is expected to yield the first fully integrated woven PV material. Story at:

<<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b6A1000C4-51B1-42F2-9558-AF60898C8AEC%7d&siteid=mktw&dist=nbk&sybm=>>

Konarka: <<http://www.konarka.com/>>

#### **Evergreen Solar Flat Roof Mounting System 2-17-05**

Evergreen Solar, Inc. introduced Sunplicity™, a Flat Roof Mounting System (FRMS) designed specifically for use with its EC-100 Series modules. Story at: <[http://biz.yahoo.com/bw/050217/175105\\_1.html](http://biz.yahoo.com/bw/050217/175105_1.html)>

Evergreen Solar: <<http://www.evergreensolar.com/>>

#### **Sustainable Energy Technologies Acquisition 2-17-05**

Sustainable Energy Technologies Ltd announced it has exercised its right under the Solar Markets Limited Partnership Agreement to acquire all the Limited Partnership Units in exchange for 8,666,580 Common Shares.

Press at: <<http://w5d2.ccnmatthews.com/scripts/ccn-release.pl?current/0216136n.html>>

Sustainable Energy Technologies: <<http://www.SustainableEnergy.com/SET-home/index.html>>

#### **ECD Private Placement Completion 2-17-05**

Energy Conversion Devices, Inc. announced it has completed the \$87.8 million private placement of its common stock previously announced on 10 February 2005. Press at: <[http://biz.yahoo.com/prnews/050216/dew007\\_1.html](http://biz.yahoo.com/prnews/050216/dew007_1.html)>

#### **Conergy IPO 2-18-05**

Conergy AG said it will proceed with an IPO in March. Said Conergy CEO Hans-Martin Rueter, "We see substantial revenue growth prospects that we can exploit with the proceeds of an initial public offering." He said the company wants to use the IPO proceeds to open new product areas and accelerate its international expansion. Press at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4555401&ResultCategoryType=2,7&NewsPageID=3>>

<[http://www.nasdaq.com/asp/quotes\\_news.asp?cpath=20050218/ACQDJON200502180559DOWJONESDJONLINE000505.htm&selected=9999&StoryTargetFrame=top&mkt=WORLD&chk=unchecked&lang=&link=&headlinereturnpage=http://www.international.nasdaq.com/asp/gmWorldNews.asp&head](http://www.nasdaq.com/asp/quotes_news.asp?cpath=20050218/ACQDJON200502180559DOWJONESDJONLINE000505.htm&selected=9999&StoryTargetFrame=top&mkt=WORLD&chk=unchecked&lang=&link=&headlinereturnpage=http://www.international.nasdaq.com/asp/gmWorldNews.asp&head)>

Conergy: <<http://www.conergy.com/>>

#### **Spire Corporation COO 2-18-05**

Spire Corporation announced the promotion of Rodger W. LaFavre to Chief Operating Officer. At Spire, he has been principally involved in managing the company's solar product lines as Chief Operating Officer of Spire Solar. Press at:

<<http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=IROL-SingleRelease&t=Regular&id=676474&>>

#### **Konarka Solar PV Fabric 2-18-05**

For RenewableEnergyAccess' coverage of Konarka's solar PV fabric, and the international collaboration known as the Photovoltaic Fibers and Textiles Based on Nanotechnology program, see:

<<http://www.renewableenergyaccess.com/rea/news/story?id=22629>>

Konarka: <<http://www.konarkatech.com/>>

### **Mitsubishi Developments 2-18-05**

In January, Mitsubishi announced they would test the U.S. solar markets by introducing 2 types of solar modules in the southwest. The company has now announced 1 April 2005 as the date on which they will begin sales of their modules, with a focus on U.S. and European grid-tied markets. RenewableEnergyAccess.com spoke with U.S. representatives for Mitsubishi during the initial January announcement. "Japan felt the timing was right", said Vern Kowitz, manager for Mitsubishi Electric's U.S. PV division, referring to the company's leadership in Japan. More at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=22625>>  
Mitsubishi: <<http://global.mitsubishielectric.com/bu/solar/>>

### **XsunX Team 2-22-05**

XsunX announced that Dr. Arokia Nathan has joined the Company's Scientific Advisory Board. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b94B9553B-713F-4D67-94DE-458D37F95D2D%7d&siteid=mktw&dist=nbk&symp=>>>  
XsunX: <<http://www.XsunX.com/>>

### **SunPower Address to Lehman Brothers 2-22-05**

Cypress Semiconductor Corp. announced that senior management from its SunPower Corp. subsidiary will make a presentation to Lehman Brothers on 23 February. Information at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b31C3649F-E50A-400A-8DF2-E99DB780ACDD%7d&siteid=mktw&dist=nbk&symp=>>>  
<[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=CY&script=2100](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=CY&script=2100)>  
Cypress: <<http://www.cypress.com/portal/server.pt>>  
SunPower: <<http://www.sunpowercorp.com/html/>>

### **Sustainable Energy Technologies Results and Plans 2-22-05**

Sustainable Energy Technologies reported its financial and operating results for the fiscal year ended 30 September 2004. Per the press, the main goal for 2005 is to generate product sales revenues from the SUNERGY inverter. This may come as much or more from Europe, as North America, and the company is targeting one or more partnerships with European companies to manufacture and distribute the inverter there, with commercial production beginning this summer. Press at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?guid=%7b1827C323-ECC4-47EA-82DE-59718CED6744%7d&siteid=mktw&dist=nbk&symp=>>>  
Sustainable Energy Technologies: <<http://www.sustainableenergy.com/SET-home/index.html>>

### **CSIRO Center 2-22-05**

Located at the CSIRO Energy Centre site in Newcastle NSW, the National Solar Energy Technology Centre (NSETC) will be a showcase for solar thermal technologies and play a key role in CSIRO's ongoing research into low-emission energy generation. More on this center at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4661174&ResultCategoryType=2,7&NewsPageID=3>>  
CSIRO: <<http://www.csiro.au/>>

### **Australia's National Solar Energy Technology Centre 2-23-05**

The NSETC comprises 3 main elements: a high-concentration tower solar array, a linear concentrator solar array, and a control room facility for the center's communications and control systems, serving as an elevated viewing platform. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=22903>>

### **Kyocera's New Module 2-23-05**

Kyocera Solar, Inc. introduced MyGen Meridian™, a UL listed PV module and mounting system designed to blend in with a tile roof. More on this new product at Solarbuzz: <<http://www.solarbuzz.com/news/NewsNAPT104.htm>> and RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=22841>>  
Kyocera Solar: <<http://www.kyocerasolar.com/>>

### **More on Kyocera Residential Solar Power Systems 2-28-05**

Kyocera announced the forthcoming release of building-integrated PV systems in the Japanese and U.S. markets in 2005. Press at: <<http://www.investors.com/breakingnews.asp?journalid=26171731&brk=1>>

### **Solar Array Current-Voltage Curve Tracer 2-23-05**

In January 2005, the Oregon Renewable Energy Center completed field tests of their prototype Solar Array Current-Voltage Curve Tracer. The instrument measures the current, voltage and power output performance of up to a 5 kW PV array under actual field conditions. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=22839>>

#### **Xantrex in Spain / 2004 Financial Results 2-23-05**

Xantrex Technology Inc. launched its new GT 3.0E Solar Grid Tie Inverter to the Spanish market. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEUPT28.htm>>

Xantrex: <<http://www.xantrex.com/>>

Xantrex 4<sup>th</sup> Quarter and 2004 Results:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4694136&ResultCategoryType=2,7&NewsPageID=3>>

#### **Evergreen Solar Results 2-24-05**

Evergreen Solar announced 4<sup>th</sup> quarter and year-end 2004 results. Press at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=ESLR&script=410&layout=-6&item\\_id=678498](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=ESLR&script=410&layout=-6&item_id=678498)>

#### **More on Evergreen Results 2-25-05**

For coverage of Evergreen's recently announced financial results, see the article at:

<<http://boston.bizjournals.com/boston/stories/2005/02/21/daily53.html>>

Evergreen Solar: <<http://www.evergreensolar.com/index.html>>

#### **Carmanah Office Expansion in Europe 2-25-05**

Carmanah Technologies Corporation announced expansion of its European office in London. Carmanah's London team includes Mark Harold, with ten years of experience in LED technology and solar product design, and well as two new local hires with market expertise in related sectors. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4727998&ResultCategoryType=2,7&NewsPageID=3>>

TransitLights:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Etransitlights%2Ecom&template=2,2>>

RoadLights:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2Eroadlights%2Ecom&template=2,2>>

#### **Shell Solar Exhibits 2-25-04**

Shell Solar is participating in a number of renewable energy conferences and exhibitions in 2005. For information, see: <[http://www.shell.com/home/Framework?siteId=rw-br&FC3=/rw-br/html/iwgen/events/events\\_0402.html](http://www.shell.com/home/Framework?siteId=rw-br&FC3=/rw-br/html/iwgen/events/events_0402.html)>

### **Renewables Programs, Projects**

#### **Ex-Im Bank Support of Solar 2-4-05**

The Export-Import Bank of the U.S. is helping U.S. manufacturers and exporters of solar energy technology and products obtain the working capital to increase export sales. PowerLight Corporation recently used a \$5 million working capital line of credit guaranteed by Ex-Im Bank to export its solar tracking technology to Bavaria Solarpark. Evergreen Solar Inc. is using Ex-Im Bank's working capital guarantee to support its growing sales, especially in Germany. Story at: <[http://biz.yahoo.com/pnews/050203/dcth088\\_1.html](http://biz.yahoo.com/pnews/050203/dcth088_1.html)>

Ex-Im Bank: <<http://www.exim.gov/>>

PowerLight: <<http://www.powerlight.com/>>

Evergreen Solar: <<http://www.evergreensolar.com/>>

#### **Ex-Im Bank Solar Support 2-7-05**

The Export-Import Bank of the U.S. is helping U.S. manufacturers and exporters of solar energy technology and products obtain the working capital to increase export sales to the German market. For a perspective from RenewableEnergyAccess, see: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aafrgCiilmH?id=22072>>

Ex-Im Bank: <<http://www.exim.gov/>>

#### **Rural Electrification in Sri Lanka 2-4-05**

The Socio Economic Development Bank inaugurated a rural electrification project in Northeast villages by providing Solar Home Systems on credit to consumers. Story at: <<http://www.tamilnet.com/art.html?catid=13&artid=14167>>

#### **Thailand Solar 2-7-05**

Demand for solar energy in Thailand is projected to soar over the next six years, driven by the government's program to promote renewable energy. Story at: <[http://www.bangkokpost.com/Business/07Feb2005\\_biz57.php](http://www.bangkokpost.com/Business/07Feb2005_biz57.php)>

#### **New Mexico's Clean Energy 2-9-05**

For an overview of bills introduced in the New Mexico legislature, and the task forces that made recommendations regarding clean energy, see: <<http://www.electricenergyonline.com/IndustryNews.asp?m=1&id=32109>>

#### **Solar in Arizona 2-9-05**

The City of Yuma and APS' "solar garden" project is described at RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=22222>>

For a story on a rooftop PV system reducing utility bills in Paradise Valley, Arizona, with support from Arizona incentives, see: <[http://www.newsazap.com/articles/2005/02/08/az/north\\_valley/tpv05.txt](http://www.newsazap.com/articles/2005/02/08/az/north_valley/tpv05.txt)>

#### **Fuel Forecasts Report [Amy Cole] 2-9-05**

This report by Research and Markets forecasts power generation capacity by fuel – coal, oil, gas, multi-fuel, hydro, nuclear, wind, solar PV, biomass, geothermal, ocean energy – to 2010, with historical data for 189 countries. More on this report at: <<http://www.researchandmarkets.com/reports/c12721/>>

#### **Interior Department Report on Renewables 2-9-05**

The U.S. Department of the Interior has issued a 26-page report on increasing interest in developing and using renewable energy on federal public land. "Renewable Resources for America's Future" can be downloaded at:

<[http://www.doi.gov/initiatives/renewable\\_energy.pdf](http://www.doi.gov/initiatives/renewable_energy.pdf)>

See also EERE Network News at: <<http://www.eere.energy.gov/news/#8821>>

#### **Renewables in Connecticut 2-10-05**

State residents will be able to get their electricity from renewable sources starting this year. The new option for UI and Connecticut Light & Power Co. electricity customers will be called the alternative transitional standard offer.

Under the new program, customers can buy all or a percentage of the power for their homes or businesses from companies that produce electricity through renewables. See the article at:

<<http://www.connpost.com/Stories/0,1413,96~3784~2703159,00.html>>

#### **Solar Light Fund 2-10-05**

RenewableEnergyAccess.com has initiated the Tsunami Solar Light Fund. Through online donations, the Fund will provide solar home systems for 1,500 homes plus 25 community streetlights. More on this fund at:

<<http://renewableenergyaccess.com/rea/news/story?id=22257>>

#### **Schools Going Solar [IREC] 2-11-05**

The Bonneville Environmental Foundation (BEF), the Energy Trust of Oregon, Portland General Electric, and Green Mountain Energy Company are supplying solar power systems at no cost to 4 schools that are now part of the growing Solar 4R Schools™ program run by BEF. This and more news from the Interstate Renewable Energy Council at: <[http://irecusa.org/articles/static/1/1107347876\\_989930621.html](http://irecusa.org/articles/static/1/1107347876_989930621.html)>

#### **California Solar Rebates 2-14-05**

The rebate program for large PV projects in California attracted unprecedented levels of participation, in spite of the drop in the per-watt subsidy this year. Story at:

<<http://www.californiaenergycircuit.net/displaystory.php?task=show&sid=940&un=&ut=&pd=&seid=1108391494>>

#### **LEVCO 100% Renewable Energy Option in Connecticut 2-14-05**

LEVCO Energy announced that residential electricity customers will now be able to choose to have their power come from 100% renewable energy resources without increasing their monthly energy costs. Through LEVCO's 100% Renewable Program, customers will be charged the same rate as CL&P's residential rate 001 transitional standard offer generation services rate, currently 6.635 cents per kilowatt hour. Press at:

<[http://biz.yahoo.com/prnews/050214/nym267\\_1.html](http://biz.yahoo.com/prnews/050214/nym267_1.html)>

LEVCO Energy: <<http://www.levcoenergy.com/>>

#### **Oregon's Solar Incentives 2-14-05**

According to the Energy Trust of Oregon, 22 businesses across the state have taken advantage of its standard incentives program to install commercial solar electric systems. Story at:

<<http://www.mailtribune.com/archive/2005/0213/biz/stories/02biz.htm>>

Energy Trust of Oregon: <<http://www.energytrust.org/>>

#### **FPL's Renewable Energy Program 2-14-05**

Florida Power & Light Co. has signed on more than 10,000 customers for its renewable energy program, and will build a small solar-energy generating station. Under FPL's Sunshine Energy program, customers pay the utility an

additional \$9.75 a month to buy energy from renewable energy sources. Story through Solarbuzz at: <[http://www.palmbeachpost.com/business/content/business/epaper/2005/02/12/a11b\\_greenpower\\_0212.html](http://www.palmbeachpost.com/business/content/business/epaper/2005/02/12/a11b_greenpower_0212.html)>  
Sunshine Energy: <[http://www.fpl.com/home/services/contents/sunshine\\_energy.shtml](http://www.fpl.com/home/services/contents/sunshine_energy.shtml)>

#### **Arizona Renewables Requirement 2-15-05**

The governor of Arizona, Janet Napolitano, issued an Executive Order requiring new public buildings to include renewable energy in their power mix. All new state funded buildings are to be designed and constructed to derive a least 10% of their energy from a renewable resource defined as including solar, wind, or use of thermal energy from biomass fuels for heating and or cooling. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO226.htm>>

#### **Solar in Maine 2-21-05**

The Baldacci administration has a goal of covering 50,000 roofs with panels that heat water or produce electricity. The administration would use rebates, sales-tax exemptions, and tax credits to create incentives for home and small-business owners to buy solar products, and the rebates would come from an existing charge that electric customers pay on their monthly bills. Baldacci will advance his proposal in a bill expected to be presented to the legislature next month. Details through Solarbuzz at: <<http://business.maintoday.com/news/050220solar.shtml>>

#### **Renewable Energy in Pennsylvania 2-21-05**

The Pennsylvania State Department of Environmental Protection is working to build on the State's leadership in the development and deployment of new technologies by inviting letters of interest from advanced energy companies seeking assistance with project financing or business siting. For coverage of these interests, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=22750>>  
Pennsylvania DEP: <<http://www.dep.state.pa.us/>>

#### **BP Solar in Zambia 2-22-05**

A number of community-based organizations and schools in rural areas of Zambia will be getting BP Solar panels to generate electricity for lighting, radio, television and refrigeration. The panels will be supplied by Apex-BP Solar, a subsidiary of BP France, which has been awarded a contract through its distributor Electrical Maintenance Lusaka Limited by the Zambia Social Investment Fund. BP Press at: <<http://www.bp.com/home.do?categoryId=1>>

#### **Texas RPS 2-22-05**

Texas Senator Troy Fraser introduced a bill to the State Legislature that would expand the state's current Renewable Portfolio Standard. More on this development at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=22818>>

#### **Texas Renewables 2-25-05**

Texas lawmakers are joining clean-energy advocates in an effort to dramatically expand the use of wind and solar power and other renewable energy sources across the state. Stories at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2.2&NewsID=4738614&ResultCategoryType=2.7&NewsPageID=3>>  
RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=22818>>

#### **California REPI 2-22-05**

Congresswoman Mary Bono introduced the Renewable Energy and Production Incentive (REPI) Reauthorization and Reform Act, which would extend the REPI program for another 20 years. The program offers incentive payments of 1.5 cents per kWh to electric production facilities, such as municipal utilities and not-for-profit cooperatives that utilize green energy sources. Press at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=22749>>

#### **Morocco Solar Electrification 2-23-05**

Temasol has won a contract for a rural solar power electrification program for 37,000 households in Morocco, to be completed by the end of 2007. Temasol will use Total Energie's PV systems and will be responsible for managing the technical and financial aspects of the program. Story at: <<http://www.albawaba.com/en/countries/Morocco/180501>>

#### **Wisconsin, Solar at High Schools [Julia Judd] 2-23-05**

Seven Wisconsin high schools have been selected to receive the SolarWiseR for Schools educational program from WPS Community Foundation, Inc. Each of these schools will receive a solar-electric system and a 3-week curriculum package to explore renewable energy resources and the use of solar power. Information at: <[http://www.wpsr.com/cfm/news/view\\_article.cfm?reckey=00899](http://www.wpsr.com/cfm/news/view_article.cfm?reckey=00899)>



### **EPA on Renewables in States 2-24-05**

More demand could be met through renewables, while preventing the need for 300 power plants and GHG emissions equivalent to 80 million vehicles according to the U.S. EPA. This, and more renewables news at ReFocus: [http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=87478274&accnum=1&topics=</a>  
EPA-State Energy Efficiency and Renewable Energy Projects, see EPA and NARUC news:](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=87478274&accnum=1&topics=)

### **Solar Tower in Australia 2-24-05**

For an article on progress toward a solar tower in Australia, see Wired News at:

### **California, Schwarzenegger's Million Solar Roofs 2-28-05**

Governor Schwarzenegger announced language aimed at achieving his Million Solar Roofs initiative. Story at: [## \*\*Meetings, Gatherings, Conferences\*\*](http://www.ems.org/nws/2005/02/28/schwarzenegggers_>http://www.ems.org/nws/2005/02/28/schwarzenegggers_</a></p></div><div data-bbox=)

### **Solar World Congress [Brad Collins] 2-2-05**

The Solar World Congress is set for 6-12 August 2005 in Orlando, Florida, sponsored by the American Solar Energy Society and the International Solar Energy Society, with other participating organizations listed at [### \*\*Solar Silicon Conference 2-3-05\*\*](http://www.swc2005.org/>http://www.swc2005.org/</a></p></div><div data-bbox=)

Per this announcement in Photon International, the current silicon feedstock shortage is severely limiting the growth of the solar electricity industry, and the 2<sup>nd</sup> Solar Silicon Conference 11 April 2005 in Munich, Germany will address this pressing issue to the solar manufacturers. See the announcement at:

### **ECOSTAR Results 2-3-05**

The results of the ECOSTAR (European concentrated solar thermal road-mapping) project will be presented in Brussels, Belgium on 24 February. For information, see:

### **Photovoltaic Manufacturing Industry Platform [Wolfgang Koch] 2-4-05**

Europa 2005 offers a dedicated platform for PV Manufacturing, equipment and materials suppliers, from feedstock to module production. The 1<sup>st</sup> International Photovoltaic Manufacturing Equipment & Materials Exposition is set for 12-14 April in Munich, Germany, with the 1<sup>st</sup> International Advanced Photovoltaic Manufacturing Technology Conference, and SEMI in cooperation with EPIA. For more information, see the following links:

SEMI:

Information for visitors:

Visitors registration:

Information for exhibitors:

Photovoltaic Exhibit Platform - See Application Contract, the Brochure (PDF 95KB), and PHOTON Magazine, January 2005 (PDF 603KB).

### **International Conference on Solar Concentrators 2-11-05**

For information on the International Conference on Solar Concentrators for the Generation of Electricity or Hydrogen, 1-6 May 2005 in Scottsdale, Arizona, see the website at:



#### **Quality in the PV Sector 2-14-05**

On 28 January 2005, EC-JRC, EPIA and WIP organized a workshop on Quality in the PV Sector dedicated to standardization and certification. For more on this workshop, see the EPIA Newsletter at:  
<[http://www.epia.org/09newsletter/newsletter\\_new.asp](http://www.epia.org/09newsletter/newsletter_new.asp)>

#### **California SolarForum 2-15-05**

The California Solar Center-SolarForum is set for 23 February 2005 in Anaheim. For the agenda, see:  
<[http://www.californiasolarcenter.org/reg\\_forumfeb2005.html](http://www.californiasolarcenter.org/reg_forumfeb2005.html)>

#### **Platts Energy Policy Insights 2005 Conference [Christine Arian] 2-16-05**

Platts' Energy Policy Insights 2005 Conference set for 17-18 March 2005 in Washington, DC. will explore the future of U.S. energy policy, the current status, and proposed long-term solutions. For more on this conference, see:  
<<http://www.platts.com/Events/PB519/index.html>>

#### **Industry Growth Forum 2-24-05**

The National Renewable Energy Laboratory, the California Energy Commission, and the Environmental Business Cluster announced the 18<sup>th</sup> NREL Industry Growth Forum in San Francisco, California, 7-9 November 2005.  
<<http://www.cleanenergyforum.com/sponsorship.php>>

#### **Shell Solar Exhibits 2-25-04**

Shell Solar is participating in a number of renewable energy conferences and exhibitions in 2005. For information, see: <[http://www.shell.com/home/Framework?siteId=rw-br&FC3=/rw-br/html/iwgen/events/events\\_0402.html](http://www.shell.com/home/Framework?siteId=rw-br&FC3=/rw-br/html/iwgen/events/events_0402.html)>

#### **Solar Forum Presentations [Solar e-Clips] 2-28-05**

Presentations from the recent solar Forum, 23 February in Anaheim, California, have been posted online at:  
<<http://www.californiasolarcenter.org/solarforum.html>>

#### **National Energy Foundation Seminar, UK [Delphine Gadanne] 2-28-05**

The National Energy Foundation is holding a renewable energy seminar 8 March in Milton Keynes. These seminars are designed to provide background knowledge on the main renewable energy technologies and information on grants and planning. For more information, see: <<http://www.nef.org.uk/>>

### **U.S. Congress In Action**

#### **U.S. Energy Secretary Samuel Bodman 2-1-05**

The full Senate confirmed Samuel Bodman as energy secretary by a unanimous voice vote.

#### **Senate Hearing 2-25-05**

The Senate Energy & Natural Resources Committee will hold a hearing to examine the President's proposed budget request for fiscal year 2006 for the Department of Energy on March 3.

### **Reports, Publications, Statements**

#### **DayStar Technologies "Solar Current" 2-1-05**

In a letter to Company shareholders, Dr. John Tuttle, CEO of DayStar Technologies, Inc. provided a summarized corporate update on the status of growth initiatives, ongoing execution of the Company's business plan, and insight into 2005 goals and objectives. Details at: <[http://biz.yahoo.com/prnews/050201/sftu106\\_1.html](http://biz.yahoo.com/prnews/050201/sftu106_1.html)>  
DayStar Technologies: <<http://www.daystartech.com/>>

#### **Zero Energy Homes 2-1-05**

Per spokespersons highlighted in this article, within the next decade zero-energy homes could cost no more than comparable conventional homes, and could become the building industry standard by 2020. Story at:  
<<http://www.enn.com/mag.html?id=25>>

#### **"Energize Your Portfolio" 2-1-05**

Tim Beyers ponders the investment possibilities in renewable energy sources at the Motley Fool:  
<<http://www.fool.com/news/commentary/2005/commentary05013105.htm>>

#### **Growing Solar Market in China 2-1-05**

For a story on solar developments in China, see the article at:  
<<http://www.evworld.com/view.cfm?section=communiqué&newsid=7566>>

### **New Energy Efficiency & Renewable Energy Web Site 2-1-05**

Celilo Group Media and Clean Edge have launched a new web site focused on energy efficiency, renewable energy, and smart energy in Washington, Oregon, Idaho, and Montana. Information at:

<<http://www.tmcnet.com/usubmit/2005/Feb/1113184.htm>>

NW Current: <<http://www.nwcurrent.com/>>

### **PV Housing in California 2-2-05**

For Photon International's coverage of Environment California's "The Economics of Solar Homes in California", see the article and link to the report at: <[http://www.photon-magazine.com/media/media\\_05-02\\_ww\\_med\\_sn\\_Econimcs\\_of\\_Solar\\_Home.htm](http://www.photon-magazine.com/media/media_05-02_ww_med_sn_Econimcs_of_Solar_Home.htm)>

### **Global Governance Initiative 2-2-05**

The World Economic Forum in its annual report, Global Governance Initiative, speaks to the need for pursuing goals and targets for world sustainability. Per the article, several governments have set renewable energy generation targets, and it notes Brazil, the UK, and Texas among them. Story and link to the report at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=8858890&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=8858890&accnum=1&topics=>)

### **University of Delaware Solar Research 2-7-05**

For coverage of solar research at the Institute for Energy Conversion, University of Delaware, see the article through Solarbuzz at: <<http://www.delawareonline.com/newsjournal/business/2005/02/06udtakesleadrole.html>>

IEC: <<http://www.udel.edu/iec/>>

### **Green Marketing Report [Blair Swezey] 2-7-05**

In January, a report was released that examines emerging markets for renewable energy certificates, and identifies and describes key opportunities and challenges facing the growth and success of RECs markets. The link to the report can be found at: <[http://www.eere.energy.gov/greenpower/resources/pub\\_chrono.shtml?chrono\\_year=2005](http://www.eere.energy.gov/greenpower/resources/pub_chrono.shtml?chrono_year=2005)>

### **Berkeley Lab Reports [Ryan Wiser] 2-8-05**

Berkeley Lab recently developed a database of state and utility cash incentives for PV. For access to "A Comparative Summary of State and Utility PV Buy-Down Programs", see:

<[http://eetd.lbl.gov/ea/ems/cases/EMP\\_case.html](http://eetd.lbl.gov/ea/ems/cases/EMP_case.html)>. In addition, a PowerPoint presentation on "Estimating the Impacts of Solar Set-Asides" prepared for the California Energy Commission is available from Ryan Wiser at the Berkeley Lab [mailto:RHWiser@lbl.gov].

### **More on PV Job Creation 2-9-05**

For additional coverage of the report by the Renewable Energy Policy Project, "Solar PV Development: Location of Economic Activity", see ReFocus at:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=19567508&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=19567508&accnum=1&topics=>)

### **Residential Solar PV 2-9-05**

"An aggressive state solar PV buy-down program, coupled with other incentives and standards for the inclusion of solar power in new homes, could benefit residential homebuyers, utility ratepayers and the state as a whole" per "The Economics of Solar Homes in California: How Residential Photovoltaic Incentives Can Pay Off for Homeowners & the Public." See the story at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=91836184&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=91836184&accnum=1&topics=>)

Environment California report: <<http://environmentcalifornia.org/reports/economicssolarhomes.pdf>>

### **"Solar Power is Tanned, Rested and Ready" 2-10-05**

This article by Ken Silverstein, Director, Energy Industry Analysis, appeared in an Issue Alert by utilipoint.com:

<<http://www.electricenergyonline.com/IndustryNews.asp?m=1&id=32167>>

<<http://www.utilipoint.com/issuealert/article.asp?id=2396>>

### **Thin-Film Semi-Transparent Solar Cells Future 2-10-05**

Per this press, technologies that evolve the production of electric power through the use of renewable alternative methods should provide opportunities for higher returns than those of traditional electric power supplies. For the article, which highlights XsunX potential, see: <<http://www.xsunx.com/news24.htm>>

### **Australia Solar Project 2-10-05**

The Labor Party in Western Australia says if re-elected it will commit \$2.5 million towards building a solar-powered generator in the WA Goldfields. Story at: <<http://www.abc.net.au/news/newsitems/200502/s1299924.htm>>

**Nanosolar Inc. Press 2-10-05** (press from India with old info)

For coverage of developments at Nanosolar Inc., including the flagship product Nanosolar SolarPly, see the article at: <<http://www.zpenergy.com/modules.php?name=News&file=article&sid=1161>>.

Nanosolar: <<http://www.nanosolar.com/press.htm>>

**Europe, Installed Capacity of Renewables [Bill Eggertson] 2-10-05**

The share of renewables in primary energy consumption of the countries of the European Union in 2003 was 5.48%, compared to the EU objective of 12% by 2010, according to "2004 European Barometer of Renewable Energies" prepared under the EurObserv'ER project. Germany leads in both wind and PV installations. See the story at:

<<http://www.sparksdata.co.uk/refocus/redesign/showdoc.asp?docid=22388858&accnum=1>>

**World PV Production 2-10-05**

Paul Maycock, in his March 2005 issue of PV News (subscription), estimates more than a Gigawatt of world PV production in 2004; the numbers are not yet complete. PV News, email: [pves@pvenergy.com](mailto:pves@pvenergy.com).

**Solar Silicon Market 2-14-05**

For the past few years, the solar industry has faced a tight market for silicon feedstock. For an overview and perspective on this situation, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story.jsessionid=a67tl3Zxb0S9?id=22425>>

**Investing in PV 2-15-05**

Progressive Investor announced the release of its report, "Investing in Solar Photovoltaics: A Market at the Tipping Point." Story at: <<http://www.csrwire.com/article.cgi/3537.html>>

<<http://www.sustainablebusiness.com/progressiveinvestor/current.cfm>>

**Kyoto Protocol and Renewables 2-16-05**

Per this coverage in RenewableEnergyAccess, while compliance with the Protocol focuses primarily on reductions of GHGs, renewable energy technologies could provide one of the most effective means for participating countries to satisfy their growing energy needs while achieving the treaty's global targets. Story at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=22551>>

**Building Integrated PV 2-16-05**

For an article on growing interest in BIPV, see the story in Builder Magazine at:

<<http://www.builderonline.com/industry-news.asp?sectionID=13&articleID=97853>>

**Clean Energy Jobs and Savings 2-17-05**

Investing in clean energy solutions would create 154,000 new jobs annually in the U.S. between 2005-2020 and save American consumers \$16.2 billion on their electricity bills in 2020 according to a new report released by U.S. Public Interest Research Group. Press at: <<http://newenergyfuture.com/newenergy.asp?id2=15942&id3=energy&>>

**Investing in PV 2-17-05**

For RenewableEnergyAccess' coverage of the Progressive Investor report, "Investing in Solar Photovoltaics: A Market at the Tipping Point", see: <<http://www.renewableenergyaccess.com/rea/news/section?id=BRIEF#22556>>

**Sunny Future for Spanish PV Market [Edwin Koot] 2-18-05**

The Spanish solar PV market is expected to grow by at least 40% in 2005, according to the latest survey report from SolarPlaza, "The Spanish PV Market". See SolarPlaza at: <http://www.solarplaza.com/>

<<http://www.solarplaza.com/content/pagina/top-10%20solar%20pv%20markets/43007>>

**More on the Spanish Solar PV Market [Edwin Koot] 2-23-05**

The Spanish PV market is expected to grow by at least 40% in 2005, according to the latest survey report from SolarPlaza. For the link to the full article on the Spanish Solar PV Market, see:

<<http://www.solarplaza.com/news/solarenergy/2005/18020501.htm>>

SolarPlaza: <<http://www.solarplaza.com/>>

**IREC Interconnection Newsletter [Rusty Haynes] 2-18-05**

For IREC's latest Interconnection Newsletter, Connecting to the Grid, see:

<<http://www.irecusa.org/connect/enewsletter.html>>. The newsletter covers State, national, international, and industry news; publications and announcements; people; and events.

### **Sustainable Energy Finance Directory 2-18-05**

The Sustainable Energy Finance Initiative says its "Sustainable Energy Finance Directory" provides financiers with the support and networks needed to invest in the sustainable energy sector. The Directory is a comprehensive online database of lenders and investors active in the renewable energy and energy efficiency sectors, says Virginia Sonntag-O'Brien of BASE, which manages the directory with the United Nations Environment Programme and the UNEP Finance Initiative. This and more renewables news at ReFocus:

<[http://www.sparksdatabank.co.uk/refocus/fp\\_showdoc.asp?docid=39863223&accnum=1&topics=](http://www.sparksdatabank.co.uk/refocus/fp_showdoc.asp?docid=39863223&accnum=1&topics=)>

SEF Directory: <<http://www.sef-directory.net/>>

### **IEA Task 14: Photoelectrolytic Production of Hydrogen [IEA Open Bulletin] 2-21-05**

The overall objective of this activity is to significantly advance the fundamental and applied science in the area of photoelectrolysis of water over the next 3 to 5 years. For "Accomplishments in Photoelectrolytic Production of Hydrogen", see: <<http://www.ieahia.org/tasks/task14.html>>

For more on the IEA Technology Agreements, including PV, see: <<http://www.iea.org/Textbase/techno/index.asp>>

### **SEIA President's Testimony 2-21-05**

Rhone Resch represented SEIA at the House Energy and Air Quality Subcommittee hearings last week on the Energy Policy Act of 2005 discussion draft. Resch's testimony advocated SEIA's 2005 legislative priorities for all solar technologies. For the testimony see: <<http://www.seia.org/>>

RenewableEnergyAccess coverage, see: <<http://renewableenergyaccess.com/rea/news/story?id=22679>>

Solarbuzz coverage: <<http://www.solarbuzz.com/News/NewsNAGO227.htm>>

### **Renewable Electricity Capacity Forecasts [Amy Cole] 2-23-05**

Renewable energy is a significant resource, accounting for 14% of the world's total primary energy supply and 19% of the fuel used for power generation, according to a new report from Research and Markets. Data are given for 9 renewable fuel sources, including Solar PV, plus total generation. For more information on "Renewable Electricity Capacity Forecasts", see: <<http://www.researchandmarkets.com/reports/c13275/>>

### **Congressman on Solar for Capitol Hill 2-23-05**

Roll Call published an article on a bill from Rep. James Oberstar to study ways of integrating solar power and other alternative energy sources to power the Capitol campus. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=22906>>

### **Solar Power Benefits in California [Blair Swezey] 2-24-05**

For a copy of "Quantifying the Benefits of Solar Power for California", a white paper by Ed Smeloff, see the "study" under "Publications" at: <<http://votesolar.org/tools.html>>

Vote Solar: <<http://votesolar.org/index.html>>

### **FRONIUS Software [FRONIUS Solar eBulletin] 2-24-05**

The online FRONIUS IG System Configuration Tool is available as a downloadable file. See:

<<http://www.fronius.com/worldwide/usa.solarelectronics/downloads/software.htm>>

FRONIUS: <<http://www.fronius.com/>>

### **IREC Newsletter [Jane Pulaski] 2-25-05**

For the latest news from the Interstate Renewable Energy Council on schools going solar, interconnection / metering, incentives / rebates, training / certification, and Million Solar Roofs, see the newsletter at:

<<http://www.irecusa.org/commout/enewsletter.html>>

IREC: <<http://irecusa.org/>>

### **Perspective on Energy Trading 2-28-05**

For the Motley Fool article on "Take Energy Tech Back from the Day Traders", see:

<<http://www.fool.com/news/commentary/2005/commentary05022803.htm?logvisit=y&source=estmarhIn001999&npu=y>>

## **Solicitations, RFPs, LOIs, etc. & Awards**

### **Connecticut Clean Energy Fund RFP [Green Power Network] 2-1-05**

Connecticut Clean Energy Fund's Project 100 is an initiative designed to encourage financing of renewable energy projects, stimulate the development of new projects, and increase the available supply of renewable energy. A Bidders' Meeting has been set in February. Information and RFP at:

<<http://www.ctcleanenergy.com/investment/Project100.html>>

Green Power Network: <<http://www.eere.energy.gov/greenpower/financial/>>

### **Israel, Solar Power System 2-1-05**

The Ministry of National Infrastructures recently issued a request for proposals for the construction of a 100-MW solar power station, which could be expanded to 500 MW. Story at:

<<http://www.globes.co.il/serveen/globes/docview.asp?did=879677&fid=942>>

### **More on Solar Power in Israel 2-2-05**

Israel's Ministry of National Infrastructures is considering issuing a Request for Proposals for the construction and operation of a 100 MW solar power plant, the first of 5 such solar plants. The project is likely to be a large solar thermal facility like the SEGS plants. More information at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=21642>>

### **Maryland Incentives for Solar Energy 2-4-05**

The Maryland Energy Administration is accepting applications for the Solar Energy Grant Program. Grants will be available to individuals, businesses and local governments and can be used to offset a portion of the cost of either PV or solar water heating projects. For more information, see: <<http://www.energy.state.md.us>>

Solar Energy Grant Program: <<http://www.energy.state.md.us/programs/renewable/solargrant/index.html>>

### **District of Columbia Energy Office Grants [Peter Lowenthal] 2-7-05**

The District of Columbia Energy Office is accepting applications for renewable energy pilot/demonstration project Grants. The DC REDP will provide qualified applicants with up to 50% of the costs associated with implementing a mechanism to produce electricity using a renewable source of fuel. Contact Tomaysa Sterling, Environmental Sustainable Solutions, 202-671-1405 or 03, or Peter Lowenthal MDV-SEIA 301-530-5343.

### **New York, Inverter Support 2-10-05**

Governor George E. Pataki announced that Inverters Unlimited Inc. has been approved to receive a \$300,000 equity investment from the Small Business Technology Fund. Inverters Unlimited Inc. is commercializing the IUI Sun-AC 3000, a 3-kW inverter specifically developed for the PV market. Story at: <<http://www.allamericanpatriots.com/news+article+storyid-6033-PHPSESSID-05f32430928ebd1d6500591b73b58ae7.html>>

Inverters Unlimited: <<http://www.invertersunlimited.com/>>

<<http://www.invertersunlimited.com/press2.html>>

### **More on Connecticut Clean Energy Fund 2-11-05**

The Connecticut Clean Energy Fund announced the allocation of an additional \$9M to its Commercial, Industrial and Institutional Solar Photovoltaic program. Said Lise Dondy, COO of the Fund, "This added funding demonstrates CCEF's continuing commitment to the development of solar PV projects in our state". Coverage at IREC:

<[http://irecusa.org/articles/static/1/1107793235\\_1018302029.html](http://irecusa.org/articles/static/1/1107793235_1018302029.html)>

Connecticut Clean Energy Fund: <<http://www.ctcleanenergy.com/>>

### **Pennsylvania Energy Manufacturing Base 2-18-05**

Pennsylvania Environmental Protection Secretary Kathleen A. McGinty announced that the DEP is working to build on the state's leadership in development and deployment of new technologies by inviting letters of interest from advanced energy companies that want to take advantage of the opportunities Pennsylvania has to offer by seeking assistance with project financing or business siting. Information at:

<[http://biz.yahoo.com/pmnews/050218/phf005\\_1.html](http://biz.yahoo.com/pmnews/050218/phf005_1.html)>

DEP: <<http://www.dep.state.pa.us/>>

### **Renewable Energy in Pennsylvania 2-21-05**

The Pennsylvania State Department of Environmental Protection is working to build on the State's leadership in the development and deployment of new technologies by inviting letters of interest from advanced energy companies seeking assistance with project financing or business siting. For coverage of these interests, see

RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/news/story?id=22750>>

Pennsylvania DEP: <<http://www.dep.state.pa.us/>>

### **Renewable Energy Certificates 2-22-05**

The Environmental Protection Agency's Green Power Partnership has recognized consumer advocate and author Debra Lynn Dadd for her purchase of 100% solar renewable energy certificates for her Florida home office. Story at:

<<http://www.enn.com/press.html?id=85>>

EPA Green Power Partnership: <<http://www.epa.gov/greenpower/>>

### **California, Water District Solar 2-23-05**



Elsinore Valley Municipal Water District officials say they must move quickly to hire a firm to install a solar power system that could save the water district millions of dollars in the coming decades, or risk sacrificing \$600,000 in grant funding for the project. Story through Solarbuzz at:  
<[http://www.nctimes.com/articles/2005/02/22/news/californian/lake\\_elsinore/22105195141.txt](http://www.nctimes.com/articles/2005/02/22/news/californian/lake_elsinore/22105195141.txt)>

#### **Renewable Energy Trust Funding 2-23-05**

The 2<sup>nd</sup> round of competitive funding opportunities from the Massachusetts Renewable Energy Trust for early stage, Massachusetts clean-energy companies has begun. Information at RenewableEnergyAccess:  
<<http://www.renewableenergyaccess.com/rea/news/story?id=22905>>  
Renewable Energy Trust: <<http://www.masstech.org/SEED/>>

#### **PacifiCorp's Integrated Resource Plan 2-23-05**

In an Integrated Resource Plan filed with regulators in 6 western states, PacifiCorp said that by 2015 it expects a resource mix of 3% renewables, 10% market purchases, 4% conservation, 50% coal-fired plants, 27% gas-fired plants and 6% hydropower. For more on RFP plans, see:  
<[http://www.platts.com/Magazines/POWER/Power%20News/2005/022205\\_7.xml](http://www.platts.com/Magazines/POWER/Power%20News/2005/022205_7.xml)>

#### **China, Solar Panels 2-23-05**

Per this article, China's solar panel industry has consistently registered 25% annual growth in exports for the past 10 years, and the rate is expected to continue in 2005. A report, Solar Panels, Supplier Capability in China, contains profiles of 15 key suppliers who account for almost 90% of exports. Press at:  
<<http://secreg.globalsources.com/sreg/SITE/SOLPANEL/MIRSOP.jsp?productcode=MIRSOP&dmsource=HP102AMP>>

#### **PG&E Funding Applications 2-28-05**

PG&E has made the decision to stop accepting new Level 1 (solar, wind and fuel cells running on renewable fuel). Level 1 applications received after March 4, 2005 will be returned to the sender. For more on this program and applications to date, see the story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO228.htm>>

#### **Million Solar Roofs Solicitation 2-28-05**

According to Platts Inside Energy (subscription), DOE's Million Solar Roofs program will seek bids on a contract for information dissemination, outreach, and training. Proposals will be accepted until April 15 for a 5-year contract. Contact Hank Eggink; [hank.eggink@ee.doe.gov](mailto:hank.eggink@ee.doe.gov).  
<<https://e-center.doe.gov/iips/faopor.nsf/UNID/EDD27EA08A4652B285256FAC00551D31?OpenDocument>>  
Million Solar Roofs: <<http://www.millionsolarroofs.com/>>  
<[http://www.millionsolarroofs.com/articles/static/1/1109273868\\_1023713684.html](http://www.millionsolarroofs.com/articles/static/1/1109273868_1023713684.html)>

#### **Hydrogen Support 2-28-05**

Rep. Christopher Cox announced he has secured \$2M in the FY 2005 Defense Appropriations Bill for Quantum Fuel Systems Technologies Worldwide's U.S. Army Mobile Hydrogen Infrastructure program. The program will evaluate the various opportunities that exist to generate hydrogen on-site via Quantum's hydrogen refueling systems, including using available solar and wind-generated electricity for electrolysis of water or through reformation of hydrocarbon fuels. Story at: <<http://www.marketwatch.com/tools/quotes/newsarticle.asp?quid={1DAB50BF-C157-4734-972D-EF6F0EA86D56}&siteid=mktw&dist=nbk&symp=>>>  
Quantum: <<http://www.qtw.com/home.shtml>>

### **Competitions**

#### **Massachusetts' Clean Energy Future [Paul Wormser] 2-3-05**

To spur entrepreneurial activities in clean energy, the Energy Special Interest Group of the MIT Enterprise Forum of Cambridge and its event sponsors are offering a \$125K business presentation competition. For information on the kickoff event on February 15, see: <<http://www.mitforumcambridge.org/EnergySIG/IgniteCleanEnergy.html>>

#### **Solar Decathlon 2-3-05**

Some of the 65 undergraduate and graduate engineering students in the Cornell University Solar Decathlon team put their designs on display January 28 at the Women's Community Building in downtown Ithaca for Ithaca's first Sustainable Technology Showcase. Story at:  
<[http://www.news.cornell.edu/Chronicle/05/2.3.05/sustainable\\_tech.html](http://www.news.cornell.edu/Chronicle/05/2.3.05/sustainable_tech.html)>  
Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>



### **Solar Home 2-21-05**

The University of Texas SolarD Team has designed, and will soon build, their house for the 2005 Solar Decathlon. For more on their efforts, see: <[http://www.news8austin.com/content/your\\_news/default.asp?ArID=131598](http://www.news8austin.com/content/your_news/default.asp?ArID=131598)>  
UT SolarD: <<http://www.ar.utexas.edu/utsolar/>>  
Solar Decathlon: <[http://www.eere.energy.gov/solar\\_decathlon/](http://www.eere.energy.gov/solar_decathlon/)>

## **Additional**

### **CalSEIA President**

The California Solar Energy Industries Association announced the election of Les Nelson to serve as its 2005 President. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=21893>>

### **Samuel Bodman is Secretary of Energy 2-3-05**

Samuel Bodman was sworn in as the 11<sup>th</sup> Secretary of Energy on February 1. See Briefly Noted at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/section?id=BRIFEF#21845>>

### **U.S., President's FY 2006 Budget 2-7-05**

The President's FY 2006 budget is being released today. One of the documents, "The Budget for Fiscal Year 2006" shows solar energy with an estimate of \$84 million (FY 2005 estimate shown at \$86 million), and wording as follows: "Develop lower cost, higher performance, more reliable solar energy systems for the production of electricity and hot water. Activities include more efficient crystalline silicon and thin film photovoltaic (PV) modules and systems as part of an industry-led research effort. Concentrating solar power activities are focused on lowering the cost of centrally-produced electricity from solar energy. Solar heating activities are focused on cooperative industry efforts to develop advanced solar technology for water heating." Also included in this document are FY 2006 estimates for the Science and Technology Facility at NREL. For budget documents from DOE, EERE, see: <[http://www.eere.energy.gov/office\\_eere/budget.html](http://www.eere.energy.gov/office_eere/budget.html)>

### **President's FY 2006 Budget Proposal 2-8-05**

The President's proposed FY 2006 budget for the Solar Energy Technologies Program is \$83,953M, compared to \$85,074M estimated in FY 2005, of which \$74,973 is proposed for PV, \$2,980M for Solar Heating and Lighting, and \$6M for Concentrating Solar Power. Included in the \$74,973 proposed for PV is a collaborative crystalline silicon PV initiative. For additional details on the solar budget proposal for FY 2006, search on solar at:

<[http://www.mbe.doe.gov/budget/06budget/Content/Volumes/vol\\_3\\_ES.pdf](http://www.mbe.doe.gov/budget/06budget/Content/Volumes/vol_3_ES.pdf)>

<[http://eeredev.nrel.gov/office\\_eere/budget.html](http://eeredev.nrel.gov/office_eere/budget.html)>

See coverage of the budget submission at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=a1mnb4esO3Wd?id=22134>> and

<<http://www.renewableenergyaccess.com/rea/news/story?id=22130>>

See also the budget coverage at Solarbuzz at: <<http://www.solarbuzz.com/News/NewsNAGO223.htm>>

### **Kyoto Protocol 2-15-05**

The Kyoto Protocol comes into force February 16 and sets targets for developed countries to reduce greenhouse gas emissions on average 5.2% below 1990 levels in order to address global warming. For the Pew Center website, with history, analyses & reports, and activities in the U.S., see:

<[http://www.pewclimate.org/what\\_s\\_being\\_done/in\\_the\\_world/kyoto\\_enters\\_into\\_force/index.cfm](http://www.pewclimate.org/what_s_being_done/in_the_world/kyoto_enters_into_force/index.cfm)>

Events: <[http://unfccc.int/meetings/kyoto\\_eif/items/3363.php](http://unfccc.int/meetings/kyoto_eif/items/3363.php)>

### **Solar Energy Medal of Merit Award 2-18-05**

Yoshihiro Hamakawa will receive the 2005 Karl Boer Solar Energy Medal of Merit on 28 April at the University of Delaware. The medal and a cash award of \$40,000 is given to an individual who has made significant pioneering contributions to the promotion of solar energy as an alternate source of energy through research, development or economic enterprise or to an individual who has made extraordinary valuable and enduring contributions to the field of solar energy in other ways. Press at: <<http://www.udel.edu/PR/UDaily/2005/feb/boer021605.html>>

## **January**

### **Solar Installations, Projects**

### **Minnesota Solar 1-3-05**

Northern Minnesota leads the state in new solar systems. Says Dean Talbot, program manager for Minnesota Power's Renewable Energy Initiative, "We've seen an incredible interest from the public in solar over the past year, thanks to the rebates". Story at: <<http://www.duluthsuperior.com/mld/duluthsuperior/news/local/10548230.htm>>

#### **Washington Legislative Building PV Array 1-3-05**

Renovation of the Legislative Building in Olympia, Washington, includes a 144-panel solar array on the roof. The array is designed to generate the same amount of electricity as the dome lights use. Said Jerry Graser with RWE Schott Solar, "Essentially we're feeding power back into the energy grid and offsetting the power used for the dome". Story through Solarbuzz at: <<http://www.theolympian.com/home/news/20041230/southsound/59177.shtml>> and <<http://www.katu.com/outdoor/story.asp?ID=73796>>

#### **Solar Home Lighting in India 1-4-05**

About 10,000 solar home lighting systems and 6,000 solar lanterns have been installed in Leh and Kargil districts of Ladakh region as part of an electrification project for remote villages and hamlets. Story at: <<http://www.newkerala.com/news-daily/news/features.php?action=fullnews&id=54707>>

#### **Texas Solar Powered Water Treatment Plant 1-5-05**

The Environmental Protection Agency has awarded \$381,000 to the Texas General Land Office to provide a 60 kW solar power (type?) system for a municipal water treatment plant near the border with Mexico. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR449.htm>>  
Texas General Land Office: <<http://www.glo.state.tx.us/>>

#### **More on Germany's 10-MW Solar Park [Photon International] 1-5-05**

In December, a ground-mounted 6.3 MW PV system in Muhlhausen went on line, completing the Bavaria Solar Park. Since September, two other large-scale systems in Bavarian municipalities have been feeding electricity into the grid, for combined power from these 3 systems of 10.1 MW. PowerLight is primarily responsible for the development and has provided its single-axis PowerTracker system. More on this solar park at: <[http://www.photon-magazine.com/news/news\\_2005-01\\_eu\\_feat\\_powerlight.htm](http://www.photon-magazine.com/news/news_2005-01_eu_feat_powerlight.htm)>  
For contents of the January issue of Photon International, and access to other live links, see: <[http://www.photon-magazine.com/photon/news\\_issue\\_2005-01.htm](http://www.photon-magazine.com/photon/news_issue_2005-01.htm)>  
PowerLight: <<http://www.powerlight.com/>>

#### **South Korea – China Solar Cooperation 1-6-05**

South Korea will cooperate with China to develop renewable energy, starting with a joint solar energy project. The countries will establish a US \$1.4 million 100 kW solar site in the Tibetan desert for testing over 3 years. See News-in Brief at ReFocus: <[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=8758182&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=8758182&accnum=1&topics=>)

#### **California, El Dorado Irrigation District Solar Project 1-6-05**

El Dorado Irrigation District awarded a \$5.54 million contract to Shell Solar Industries to build a "solar farm" to help offset approximately \$240,000 in annual electricity costs at the El Dorado Hills Wastewater Treatment Plant. For local press on the project, through Solarbuzz <<http://www.solarbuzz.com/News/Newspage.asp>>, see: <[http://www.sacbee.com/content/community\\_news/el\\_dorado/story/11936204p-12823155c.html](http://www.sacbee.com/content/community_news/el_dorado/story/11936204p-12823155c.html)>  
For various documents, such as the project's "mitigated negative declaration", see: <[http://www.eid.org/pub\\_info/news/EID\\_news.htm](http://www.eid.org/pub_info/news/EID_news.htm)>  
Shell Solar: <<http://www.shell.com/home/Framework?siteId=shellsolar>>

#### **California, El Dorado Solar Project Review 1-24-05**

The El Dorado Irrigation District is re-evaluating a key document supporting a planned "solar farm" to be built by Shell Solar Industries for \$5.54 million. One concern is whether a legitimate challenge to the environmental report supporting the project can be mounted. The document specified a 35,200 square-foot array of solar panels, but the plan is for 82,048 square feet of panels. All 7 bids on the project called for PV systems with 80,000 to 100,000 square feet of panels. Story through Solarbuzz at: <[http://www.sacbee.com/content/community\\_news/el\\_dorado/story/12106617p-12976637c.html](http://www.sacbee.com/content/community_news/el_dorado/story/12106617p-12976637c.html)>

#### **Spire Corporation BIPV for Chicago's Green Commercial Center 1-7-05**

Spire Corporation announced the completion of Building Integrated Photovoltaic (BIPV) Systems at the Bethel New Life Lake-Pulaski Commercial Center on the West Side of Chicago. The systems include an approximately 25-kW roof tile system, and a 7-kW awning system. The BIPV awning system is the first commercial building appearance of clear back-sheet PV modules locally manufactured by Spire Solar for a greater appeal to aesthetics. Story at: <[http://biz.yahoo.com/bw/050107/75104\\_1.html](http://biz.yahoo.com/bw/050107/75104_1.html)>  
Spire Solar: <<http://www.spiresolar.com/>>

#### **Santa Barbara, California Credit Union Solar System and Loan Program 1-7-05**

The Santa Barbara County Federal Credit Union has become the first financial institution in the state to install a solar electric system, and one of the first in the nation to offer a loan program specifically designed to make solar electric

system purchasing easy and affordable for members. A ribbon-cutting ceremony will be 13 January. The 38-kW system was installed by REC Solar. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR450.htm>>  
REC Solar: <<http://www.recsolar.com/>>

#### **California, Butte County Solar Power Project 1-12-05**

The Butte County Board of Supervisors has voted to start over on the bidding process for a 1-MW solar power system to provide electricity for the county complex in Oroville. Story through Solarbuzz at: <<http://www.chicoer.com/Stories/0,1413,135%7E25088%7E2648404,00.html>>

#### **BP Solar's China Commitment 1-17-05**

BP Solar was selected along with the Beijing Corona Science and Technology Company as a major partner in the design, supply and implementation of the 1-MW Green Garden Solar Plant at the International Garden and Flower Expo Park. The PV installation is spread across 4 buildings, each with solar arrays ranging in size between 90 and 280 kWp, and represents China's largest on-grid PV installation. Story and photos at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsASPR124.htm>>

BP Solar: <<http://www.bp.com.au/solar/>>

#### **PV at Cerro Coso Community College 1-18-05**

Southern California Edison presented a \$4.3 million check to the Kern Community College District for its participation in SCE's Self-Generation Incentive Program. The rebate is the result of the district's successful installation of a 6,100-panel PV array at Cerro Coso Community College. Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR452.htm>>

#### **Commercial PV Systems for New Jersey 1-20-05**

Stellar Energy Solutions has begun installation of a 116-kW system using Schott 165 W modules combined with a SatCon 225 PowerGate Inverter at Capital Lighting in West Hanover, New Jersey. The installation is likely to be followed by future installations at more than 20 other Capital Lighting outlets. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=21217>>

#### **China's Solar Project in Schenzhen 1-21-05**

China's "largest solar power generating project" at 1 MW started operations recently, according to the China Business Times. The project in the southern city of Shenzhen was jointly built by UK's BP Group and the Shenzhen government. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4082759&ResultCategoryType=2,7&NewsPageID=3>>

#### **California, Solar for Community Housing 1-25-05**

Solar systems integrator EcoEnergies recently completed a solar electric system for the Tierra Encantada affordable housing project in San Jose, California, and a second system is under development. Story at

RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/news/story?id=21381>>

EcoEnergies: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=1824>>

#### **U.K., Solar for Civic Centre 1-26-05**

A project to install 333 solar panels on the roof and walls of Barnstable Civic Centre Annexe is underway. The Spire project is part of a large-scale building-integrated field trial funded by the Department of Trade and Industry. Story at:

<<http://www.northdevongazette.co.uk/northdevongazette/news/story.aspx?brand=NDGOnline&category=news&tBrand=devon24&tCategory=newsndga&itemid=DEED26%20Jan%202005%2008%3A29%3A26%3A487>>

DTI Renewables: <<http://www.dti.gov.uk/energy/renewables/index.shtml>>

#### **GE Panels at Vineyard 1-27-05**

GE Energy's solar electric power systems were recently installed by Premier Power at Shafer Vineyards in Napa, California, supplying 100% of its power needs. Premier Power designed the 129-kW system, featuring 784 GEPV165 solar modules. Said Dean Marks, President of Premier Power, "Premier Power selected GE Energy's solar electric systems for the project because of the in-depth support in design and layout GE provides. Their support involved collaboration on electrical design elements including equipment selection and site layout." Story at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNAPR453.htm>>

GE Energy: <<http://www.gepower.com/home/index.htm>>

Premier Power: <<http://www.premierpower.com/>>

Shafer Vineyards: <[http://www.shafervineyards.com/whats\\_new.html](http://www.shafervineyards.com/whats_new.html)>

### **More on GE Energy Panels at Shafer Vineyards 1-28-05**

For more on the new solar electric system at Shafer Vineyards, installed by Premier Power with GE Energy modules, including photo, see RenewableEnergyAccess at:

<<http://www.renewableenergyaccess.com/rea/news/story?id=21575>>

## **Technology Applications**

### **AirWater Machines 1-4-05**

AirWater Corporation announced that the company has secured and received payment for an order for 140 AirWater Machines for Australia. Press at: <[http://www.marketwire.com/mw/release\\_html\\_b1?release\\_id=78414](http://www.marketwire.com/mw/release_html_b1?release_id=78414)>

For more information on these machines, and solar options, see brochures at: <<http://www.airwatercorp.com/>>

For AirWaterDonations to Far East, see press at: <<http://biz.yahoo.com/iw/050104/078423.html>>

### **Aquentium Disaster Relief Structures 1-4-05**

Aquentium, Inc. has released press on its re-deployable disaster-relief structures as one of the answers to helping the tsunami victims. The structures are self-contained, fitted with holding tanks for fresh, grey and black water; a cistern; an air-to-water unit; water purification system; and solar energy system. Press at:

<[http://biz.yahoo.com/prnews/050104/latu058\\_1.html](http://biz.yahoo.com/prnews/050104/latu058_1.html)>

### **GeoLogic Solar Option 1-12-05**

GeoLogic Solutions, which provides a mobile communications and tracking system that combines satellite and terrestrial communications, announced it would be adding a solar-powered option to its TrailerMax™ asset monitoring system. Information at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=3928050&ResultCategoryType=2,7&NewsPageID=3>>

GeoLogic:

<<http://www.centreforenergy.com/outsideNav.asp?href=http%3A%2F%2Fwww%2EgeoLogic%2Ecom&template=2,2,0>>

### **Universal Communication Systems AirWater Systems in Sri Lanka 1-13-05**

Universal Communication Systems subsidiary AirWater Corporation is providing 5 machines for a large-scale feeding and medical facility located in the tsunami-devastated area in south Sri Lanka. Information at:

<<http://biz.yahoo.com/iw/050113/079024.html>>

AirWater: <<http://www.airwatercorp.com/>>

### **Solar Technology for Disaster Relief 1-17-05**

For more on solar technology being used for disaster relief, see the article at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aOQAcpq\\_HDp-?id=21022](http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aOQAcpq_HDp-?id=21022)>

A simple technique for storing water in clear plastic bottles and exposing to solar radiation to prevent water-borne diseases -- solar water disinfection or Soldis -- is described at:

<<http://timesofindia.indiatimes.com/articleshow/990258.cms>>

### **Solar Water Purifiers for Relief Efforts 1-20-05**

Said Greg Hanson, Aqua Sun International, "We're sending out [water purification] systems as fast as we're making them". Hanson shipped about 50 units so far since Rotary International of San Jose, California, the American Red Cross, the United Nations and missionary agencies contracted him to provide systems in Sri Lanka. Story at:

<<http://www.recordcourier.com/article/20050119/News/101190016>>

### **SPS Energy Solutions PV Kits 1-24-05**

SPS Energy Solutions is introducing SPS GREEN GRIDTIE™ Solar Power Systems, complete residential grid-tie PV kits. The kits are a combined endeavor with Evergreen Solar and Fronius. More on these kits at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNAPT100.htm>>

SPS Energy Solutions: <<http://www.spsenergy.com/>>

Evergreen Solar: <<http://www.evergreensolar.com/>>

Fronius: <<http://www.fronius.com/>>

### **Sharp Solar & Home Building 1-25-05**

Said Ron Kenedi, general manager of the Sharp Electronics Solar Systems Division, "By offering solar products with industry-leading performance and proprietary design Sharp is committed to help build environmentally-friendly, energy efficient homes with today's most advanced solar power technology". Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story?id=21376>>

Sharp Solar: <<http://www.renewableenergyaccess.com/rea/market/business/view?cid=2053>>

### **CARE Canada Exploring Solar 1-25-05**

CARE Canada is experimenting with solutions based on solar power that can provide support for the communications equipment sitting in its offices overseas. Story at:

<<http://www.itbusiness.ca/index.asp?theaction=61&lid=1&sid=57931>>

### **Solar-powered Mobility 1-26-05**

Oki Electric Industry is conducting an experiment in Kobe, Japan for free mobility assistance service by establishing ZigBee, a solar PV network that enables users to receive necessary information anytime, from anywhere, by installing small wireless sensors and data transmitters. ZigBee is a technology expected to popularize free mobility assistance service as fixed nodes can be operated on solar power and can be set anywhere without wires. Story at:

<<http://renewableenergyaccess.com/rea/news/story?id=21407>>

Oki: <<http://www.oki.com/>>

## **Technology Developments**

### **Silicon Waste for Substrate 1-5-05**

For those with a subscription, the following appeared in the newswires: Silicon Waste Converted Into Usable Substrate For Solar Cells, Nikkei Interactive 19:57 4-Jan-05

### **Infrared Sensitive Material 1-10-05**

Per this article, researchers at the University of Toronto have invented an infrared-sensitive material for converting solar power to electricity, a discovery that could lead to shirts and sweaters capable of recharging cell phones and other wireless devices. Ted Sargent and other researchers combined specially designed quantum dots with a polymer to make a plastic that can detect energy in the infrared. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=3863874&ResultCategoryType=2,7&NewsPageID=3>> and

<[http://www.innovations-report.de/html/berichte/energie\\_elektrotechnik/bericht-38588.html](http://www.innovations-report.de/html/berichte/energie_elektrotechnik/bericht-38588.html)>

### **Los Alamos Technology for Licensing 1-12-05**

Los Alamos National Laboratory has announced a portfolio of semiconductor nanocrystal technology now available for licensing. The portfolio includes enabling nanotechnology for applications including lighting, solar energy, lasers, and coatings. Press at: <[http://www.three-fives.com/optoelectronic\\_news/january05\\_opto\\_news/110105QDtechnology\\_up\\_for\\_licensing.htm](http://www.three-fives.com/optoelectronic_news/january05_opto_news/110105QDtechnology_up_for_licensing.htm)>

### **More on Quantum Dot Infrared Photodetectors and Photovoltaics 1-17-05**

For the technical article from the University of Toronto research team recently in the press, see Nature Materials, "Solution-processed PbS quantum dot infrared photodetectors and photovoltaics" at: <<http://www.nature.com/cgi-taf/DynaPage.taf?file=/nmat/journal/vaop/ncurrent/full/nmat1299.html>>

### **Porous Semiconductors 1-26-05**

According to this article, scientists at Wayne State University in Detroit have made the first aerogel with semiconducting properties. More at: <<http://physicsweb.org/articles/news/9/1/13/1>>

### **"Sonnenfinder" 1-27-05**

As the final contribution from an electrical engineering foundation course project lab, students created and named the "Sonnenfinder" a solar cell that finds its own ideal alignment to the sun's rays. More on this solar cell at Renewable Energy, Made in Germany, at: <[http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell\\_id=66&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e](http://www.german-renewable-energy.com/www/main.php?tplid=6&aktuell_id=66&PHPSESSID=383a0ccb1a476a093c19b66f3c416f5e)>

### **NASA Technology Validation 1-31-05**

NASA has chosen 4 teams to develop a suite of advanced technologies for space flight validation on the New Millennium Programs Space Technology 8 Mission. The experiments include the Ultraflex Next Generation Solar Array System from AEC-Able Engineering, Inc., Goleta, California, an ultra-lightweight flexible-blanket solar array "that deploys to provide a significant advancement in performance over existing state-of-the-art for high power arrays". Also included is the SAILMAST, an ultra-light graphite mast intended for solar sail propulsion systems. Story at: <[http://biz.yahoo.com/prnews/050128/dcf038\\_1.html](http://biz.yahoo.com/prnews/050128/dcf038_1.html)>

NASA's New Millennium Program: <<http://nmp.jpl.nasa.gov/>>



### **GT Equipment Technologies Advanced Manufacturing 1-10-05**

GT Equipment Technologies announced it is implementing an advanced manufacturing process to expand its capacity to meet unprecedented worldwide demand for solar equipment. Story at:

<[http://biz.yahoo.com/bw/050110/105724\\_1.html](http://biz.yahoo.com/bw/050110/105724_1.html)>

GT Equipment Technologies: <<http://www.gtequipment.com/>>

### **Evergreen Solar and Q-Cells 1-14-05**

Evergreen Solar, Inc. and Q-Cells AG announced the formation of a joint venture to undertake the development of a 30-MW solar wafer, cell, and module manufacturing plant in Thalheim, Germany. Construction of the facility is expected to begin in early 2005 and take about 12 months to complete. Press at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=662928](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=662928)>

Q-Cells: <[http://www.q-cells.com/1\\_eng.php](http://www.q-cells.com/1_eng.php)>

Evergreen Solar: <<http://www.evergreensolar.com/>>

### **Kyocera Solar Panel Production in Tijuana 1-18-05**

Said Jay Scovie, a Kyocera spokesman, "Kyocera believes there's intrinsic value in keeping the source of production as close to the end user as possible". The Tijuana facility's production of PV modules began in October, with shipping last month. The bulk of the modules will be sold in California. For more on this story, including coverage of Troy Strand's Independent Energy Solutions, see:

<<http://www.energycentral.com/centers/news/daily/article.cfm?aid=5404450>>

### **Taiwan's Solar-cell Sector 1-21-05**

According to this article, investment by Taiwan makers in solar-cell development and manufacturing topped NT\$1.65 billion in 2004. For the story, and information on Motech, see:

<[http://www.digitimes.com/bits\\_chips/a20050121A5022.html](http://www.digitimes.com/bits_chips/a20050121A5022.html)>

Motech: <<http://www.motechind.com/english/Incorporation1/index.asp>>

### **Akzo Nobel Seeking Partner 1-24-05**

Akzo Nobel is looking for a new partner for a solar cell production program. Called Helianthos, the project is designed to pave the way for the commercial manufacture of flexible solar cells. Story at:

<<http://www.chemie.de/news/e/42774/?pw=a&defop=and&wild=yes&sdate=01/01/1995&edate=01/24/2005>>

Akzo Nobel, prior press: <[http://akzonobel.lt/news/news\\_detail.asp?id=QvqND%2B6oay0%3D](http://akzonobel.lt/news/news_detail.asp?id=QvqND%2B6oay0%3D)>

### **Thailand, Solartron Factory 1-31-05**

Solartron Plc plans to invest 910 million baht to develop a commercial solar cell manufacturing facility. Chief executive Wandee Khunchornyakong said 400 million baht of the total investment would be raised through an initial public offering by floating 60 million new shares and 20 million existing shares at one-baht par value. The remaining investment capital would come from the operating profit of last year and this year. Story through Solarbuzz at:

<[http://www.bangkokpost.com/Business/31Jan2005\\_biz48.php](http://www.bangkokpost.com/Business/31Jan2005_biz48.php)>

Solartron: <<http://www.solartron.co.th/>>

## **Industry Business Developments, Status**

### **Gamesa Investment 1-3-05**

Gamesa Corporacion Tecnologica SA unit Gamesa Energia SA is expected to sign an agreement with the local council of Cartaya in southern Spain to invest 600 mln eur in Andalucia's biggest solar energy plant. Press at:

<[http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2\\_2&NewsID=3692656&ResultCategoryType=2,7&NewsPageID=3](http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2_2&NewsID=3692656&ResultCategoryType=2,7&NewsPageID=3)>

### **SHEC Labs Patent 1-5-05**

SHEC Labs announced the filing for a patent on their proprietary solar receiver. The invention provides a receiver assembly in which solar radiation is converted to heat by multiple internal reflections within a reflective cavity. Press at: <<http://press.arrivenet.com/hea/article.php/550714.html>>

SHEC Labs: <<http://www.shec-labs.com/>>

SHEC Press: <<http://www.shec-labs.com/press/releases/2005Jan5press.htm>>

### **Conergy Investments 1-6-05**

Conergy AG's chief executive, Hans-Martin Rueter said he sees major investment and growth opportunities, both in China and other Asian countries, and in California. According to press, the company is planning to raise capital for such investments by launching an initial public offering, and the changes necessary to achieve that will take place by the end of January. Press at:



<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=3772744&ResultCategoryType=2.7&NewsPageID=3>>

Conergy: <<http://www.conergy.de/international/>>

#### **SolarWorld Profit 1-7-05**

SolarWorld expects 2004 profits to be higher than earlier forecasts and may split its shares after they rose by almost 15 times over the past 2 years. Story at: <<http://www.planetark.com/dailynewsstory.cfm/newsid/28857/story.htm>>

SolarWorld: <<http://www.solarworld.de/sw-eng/>>

#### **RWE SCHOTT Solar Chief Operations Officer 1-10-05**

RWE SCHOTT Solar Inc. has appointed Mark Finocchiaro to the position of Chief Operations Officer. Finocchiaro has more than 20 years of executive management, leadership and business development experience in manufacturing, technology, marketing and sales, most recently as President of Ardeo Systems, Inc. where he oversaw the company's semiconductor capital equipment sales and support business. [RWE SCHOTT Solar Press].

See Solarbuzz at: <<http://www.solarbuzz.com/Jobs/People.htm>>

RWE SCHOTT Solar: <<http://www.rweschottsolar.com/>>

#### **Solectria PV Inverters 1-10-05**

Solectria has manufactured products for the electric and hybrid car industry since the early 1990's, and the company is now taking its knowledge of electronics to the PV inverter industry. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aCAl9I9yc18?id=20756>>

<<http://www.solectria.com>>

#### **Renewable Energy in Kenya 1-10-05**

One of the pioneers behind the alternative energy sector in Kenya, Mark Hankins, says his company was built on renewable energy resource assessment, market studies and field surveys, policy study and development, renewable energy financing design and project pipeline development, renewable energy extension, and training. For more on this story, see:

<<http://allafrica.com/stories/200501100208.html>>

#### **Mitsubishi Electric US PV 1-11-05**

Mitsubishi Electric and Electronics USA Inc. has announced its entry into the US solar/PV module market with 2 modules that contain no lead solder. The company will initially focus on the southwestern US, and expand to other regions in later. Story at: <[http://biz.yahoo.com/bw/050111/115246\\_1.html](http://biz.yahoo.com/bw/050111/115246_1.html)>

Mitsubishi Electric: <<http://www.MitsubishiElectric.com/>>

#### **PerfectPower Business Development Director 1-11-05**

PerfectPower Inc. has hired Lee J. V. Feliciano as Director of Business Development. Feliciano was Managing Partner for LVF Corporation, Canada, an analytical marketing services company specializing in geodemographic data and technology. Press at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO271.htm>>

PerfectPower: <<http://www.perfectpowernetwork.com/>>

#### **Universal Communication Systems Relief Efforts 1-11-05**

Universal Communication Systems subsidiaries Millennium Electric TOU Ltd and Solar Style Inc. announced that the companies are jointly donating 1,000 Portable Solar Chargers for the International Aid Workers and delegations leaving for the areas affected in the recent tsunami disaster. Story at: <<http://biz.yahoo.com/iw/050111/078838.html>>

Universal Communication Systems: <<http://www.ucsy.com/>>

Millennium Electric: <<http://www.millennium-electric-inc.com/>>

Solar Style: <<http://www.solarstyleinc.com/>>

#### **SunWize Director for Residential Marketing 1-12-05**

SunWize Technologies announced that Ezra Auerback has been appointed Director, Residential Marketing. Said David Kulik, President of SunWize, "This is a new position we created to support the rapid growth in our dealer business". Information at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO273.htm>>

SunWize: <<http://www.sunwize.com/>>

#### **Scottish and Southern Energy & Solarcentury 1-12-05**

Scottish and Southern Energy plc (SSE) has acquired 7.5% of the share capital in solarcentury. The 2 companies have also entered into a collaborative agreement in which solarcentury's expertise in solar energy will come together with SSE's electrical contracting business to market solar energy solutions. Story through Solarbuzz at:

<<http://www.solarbuzz.com/News/NewsEUCCO157.htm>>

solarcentury: <<http://www.solarcentury.co.uk/>>

SSE: <<http://www.scottish-southern.co.uk/>>

#### **Fronius Sales Manager 1-12-05**

Fronius USA LLC Solar Electronics Division announced the appointment of Gord Petroski as Senior Sales Engineer responsible for key accounts in North America. Information at RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/market/business/viewstory?id=20488>>  
Fronius: <<http://www.fronius.com/>>

#### **Sharp Growth Strategy 1-12-05**

Sharp Corp plans to enhance its LCD business, as well as bolster solar power systems operations. The company plans to invest 20 bln yen in solar power systems operations in the year to March 2006. More on this strategy at: <[http://www.forbes.com/infoimaging/feeds/infoimaging/2005/01/12/infoimagingcomtex\\_2005\\_01\\_12\\_ak\\_0000-7897-.dsthightech\\_05.html](http://www.forbes.com/infoimaging/feeds/infoimaging/2005/01/12/infoimagingcomtex_2005_01_12_ak_0000-7897-.dsthightech_05.html)>

#### **Zia Power [Connie Brooks, Nathaniel Thompkins] 1-13-05**

Zia Power, Inc., an Albuquerque, NM startup, has announced it has received an exclusive license to 4 patents from Sandia National Laboratories. The company plans to relocate to New Mexico and use advanced patented technology to build a state-of-the-art multicrystalline solar wafer and cell manufacturing plant. The company is currently looking for an additional location to set up a planned 5-MW module manufacturing facility to develop its advanced solar products. Zia Power is seeking \$10M in Series A investments and is working with Technology Ventures Corporation of Albuquerque. The company's interim CEO and President Nathaniel Thompkins stated that he had spent several months this past summer working with the Zia Pueblo and the New Mexico State Economic Development Office. The company expects to achieve economies of scale with its increased silicon utilization and high-speed throughput manufacturing line. Press Release from Zia Power. [nate@ziapowerinc.com](mailto:nate@ziapowerinc.com)

#### **Evergreen Solar Proposed Public Offering 1-14-05**

Evergreen Solar, Inc. announced that it plans to offer shares of its common stock in a follow-on public offering of common stock, with expected gross proceeds of \$60 million, pursuant to its universal shelf registration statement. More at: <[http://www.corporate-ir.net/ireye/ir\\_site.zhtml?ticker=eslr&script=410&layout=-6&item\\_id=662929](http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=eslr&script=410&layout=-6&item_id=662929)>  
Evergreen Solar: <<http://www.evergreensolar.com/>>

#### **SolarWorld AG Sales 1-17-05**

SolarWorld AG should see over EUR 1 billion in sales in 2010, Chief Executive Frank Asbeck told Dow Jones Newswires. Press at: <[http://money.iwon.com/jsp/nw/nwdt\\_rt\\_top.jsp?cat=TOPBIZ&src=704&feed=dji&section=news&news\\_id=dji-00033120050117&date=20050117&alias=/alias/money/cm/nw](http://money.iwon.com/jsp/nw/nwdt_rt_top.jsp?cat=TOPBIZ&src=704&feed=dji&section=news&news_id=dji-00033120050117&date=20050117&alias=/alias/money/cm/nw)>  
SolarWorld: <<http://www.solarworld.de/>>

#### **Sharp Solar Management Team 1-18-05**

The Solar Systems Division of Sharp Electronics Corporation announced the appointment of Ed Smeloff as Senior Manager for project development. Smeloff assumes responsibility for the development of Sharp's commercial project business, and will work out of the Solar Systems Division in Huntington Beach, California. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO274.htm>>  
Sharp: <<http://solar.sharpusa.com/solar/home/0,2462,,00.html>>

#### **More on Sharp's Strategy 1-18-05**

Sharp will try to expand greenhouse gas emissions savings through diffusion of its solar power generation systems to match its own gas emissions by 2010. The business program projects Sharp's solar power generator sales will rise fivefold to 500 billion yen by fiscal 2010 ending in March 2011. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4030870&ResultCategoryType=2,7&NewsPageID=3>>

#### **Konarka Chairman on ACORE's Board 1-18-05**

Konarka Technologies, Inc., announced that its Chairman and Chief Executive Officer Howard Berke was elected to the board of directors of the American Council On Renewable Energy. Story at: <[http://biz.yahoo.com/bw/050118/185235\\_1.html](http://biz.yahoo.com/bw/050118/185235_1.html)>  
Konarka: <<http://www.konarka.com/>>  
ACORE: <<http://www.acore.org/>>

#### **Carmanah Distribution Network 1-18-05**

Carmanah Technologies Corporation announced that the company is in the final stages of completing a comprehensive tier one North American distribution network for its LED-based traffic lighting products. The company

currently has signed distribution agreements for its solar-powered LED and LED edge-lit traffic products with 11 roadway product distributors. Story at RenewableEnergyAccess: <<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=alosiGW0mp1h?id=21096>>  
Carmanah: <<http://www.carmanah.com/>>  
RoadLights: <<http://www.roadlights.com/>>

#### **ObjectSoft Corp. Nanotechnology Assets 1-19-05**

ObjectSoft Corp. announced that it has agreed to acquire all of the nanotechnology assets of Terra Solar Development Corp. and also Accusealed of Hungary, and will ask shareholders to approve a company name change to Nanergy Corp. The nanotechnology assets being acquired include design of a number of nanofilm-based PV consumer products. Press at: <[http://biz.yahoo.com/bw/050119/195331\\_1.html](http://biz.yahoo.com/bw/050119/195331_1.html)>

#### **DayStar Directors 1-20-05**

DayStar Technologies, Inc. expanded its Board with the appointment of Ms. Kelly A. Lovell and Mr. Scott M. Schecter, CPA as independent directors. Story at: <[http://biz.yahoo.com/prnews/050120/sfth016\\_1.html](http://biz.yahoo.com/prnews/050120/sfth016_1.html)>  
DayStar: <<http://www.daystartech.com/>>

#### **Fronius Inverters Listing 1-20-05**

Fronius has received Underwriters Laboratory Listing and California Energy Commission Eligibility for the new FRONIUS IG 4000, IG 5100, and IG 4500-LV grid-tie inverters. [Fronius e-bulletin]  
Fronius: <<http://www.fronius.com/solar.electronics/about/>>

#### **Solar Integrated Technologies 1-21-05**

Solar Integrated Technologies Inc. said trading for the year to end December 2004 was "robust" but that its policy of using more conservative accounting practices means its results and sales will miss market expectations. It also appointed Jon Slangerup as chief executive effective February 1. The company said 27 projects were delivered or substantially completed for a number of major clients during the year. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4083956&ResultCategoryType=2,7&NewsPageID=3>>  
Solar Integrated Technologies: <<http://www.solarintegrated.com/>>

#### **Kyocera Plans 1-24-05**

According to this news item, Kyocera plans to increase the number of its franchisees selling solar panels from 65 to 100 in the year starting April. More on developments in Japan at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4134729&ResultCategoryType=2,7&NewsPageID=3>>

#### **SOLON AG Share Capital 1-24-05**

For a story on SOLON AG share capital, see Solarbuzz at: <<http://www.solarbuzz.com/news/NewsEUCO160.htm>>. SOLON AG recently acquired a strategic interest in the Dutch company Solland Solar Energy Holding BV, a producer of solar cells.  
SOLON AG: <<http://www.solonag.de/>>

#### **Solar Integrated Technologies Developments 1-25-05**

Solar Integrated Technologies appointed Jon W. Slangerup as Chief Executive Officer effective 1 February. The company also appointed Frederik W. Mowinckel as Chief Operating Officer of European operations, with responsibility for developing the company's expansion into Europe. The Directors stated that they have also completed the acquisition of 30% of the issued share capital of Dachland GmbH. Story at Solarbuzz: <<http://www.solarbuzz.com/news/newsNACO277.htm>>  
Solar Integrated Technologies: <<http://www.solarintegrated.co.uk/>>

#### **CSG Solar Funds 1-26-05**

A consortium led by funds advised by Apax Partners and Good Energies has invested EUR 24 m in CSG Solar AG, a company that has developed a second-generation thin-film (Crystalline Silicon on Glass) solar-module technology. Existing investors in CSG – Q-Cells AG, Renewable Energy Corporation, and IBG – also participated in the financing round. The investment will finance the construction and launch of CSG's first production facility, designed for an annual output of 25 MW. Story at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4181328&ResultCategoryType=2,7&NewsPageID=3>>  
CSG Solar: <<http://www.csgsolar.com.au/>>

### **WorldWater Milestones 1-26-05**

WorldWater & Power Corporation announced the company's most significant accomplishments and milestones achieved during 2004. The company registered a revenue increase in excess of 300% of 2003 results. In 2004, WorldWater installed a 200 hp solar-powered irrigation system, the largest in the world, at a commercial citrus ranch in California. This, and more accomplishments at: <<http://biz.yahoo.com/pz/050126/71467.html>>  
WorldWater: <<http://www.worldwater.com/>>

### **Conergy AG Subsidiary 1-27-05**

Conergy AG has opened a subsidiary in Australia, with Christian Langen as the new director of Conergy Pty. Limited, based in Sydney. Per the Solarbuzz article, the Australian solar market is enjoying better than average growth in both PV and solar thermal. Conergy plans to serve this market with products and services. Within the current year, Conergy will decide whether to develop a new production facility in Australia. Story at: <<http://www.solarbuzz.com/news/newsASCO33.htm>>  
Conergy: <<http://www.conergy.de/>>

### **Cypress 4th Quarter Results 1-27-05**

Revenue for Cypress subsidiaries, accounting for 7% of 4th quarter revenue, increased 31% from the prior quarter. Increased revenues were in part driven by SunPower Corp. SunPower announced plans to double the capacity of its Philippines manufacturing plant to 50 MW based on strong demand for solar cells and modules, launched its line of high-efficiency modules in the North American market, and announced installation of its first building-integrated PV system. More, under Cypress Subsidiaries, at: <[http://biz.yahoo.com/bw/050127/275345\\_1.html](http://biz.yahoo.com/bw/050127/275345_1.html)>

### **Conergy and Dankoff Solar 1-28-05**

Conergy AG is taking over a majority stake in Dankoff Solar Products, Inc., of Santa Fe, New Mexico. Conergy Holding, Inc., the 100% owned US subsidiary of Conergy AG, will own an 80% stake in Dankoff Solar Products, Inc., with President Paul Benson holding the remaining 20%. More on these developments at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO278.htm>>  
Conergy: <<http://www.conergy.de/>>  
Dankoff: <<http://www.dankoffsolar.com/>>

### **Northern Power PV Systems 1-28-05**

Northern Power Systems was awarded a contract to supply 30 of its TeleSol™ PV power systems for the USArray component of EarthScope, an experiment to explore the structure and evolution of the North American continent and the physical processes controlling earthquakes and volcanic eruptions. More on TeleSol at: <[http://biz.yahoo.com/prnews/050127/nyth176\\_1.html](http://biz.yahoo.com/prnews/050127/nyth176_1.html)>  
Northern: <<http://www.northernpower.com/>>

### **More on Kyocera Consolidation 1-28-05**

Kyocera Corporation of Japan will be consolidating its domestic sales business through a corporate split undertaken with Kyocera Solar Corporation. As of 1 April, Kyocera will consolidate its domestic sales division for solar energy products as well as the parts of its solar power generation system business involved in the procurement and quality control of peripheral units – excluding solar modules – into KSC, a wholly owned subsidiary of Kyocera. Story at: <<http://renewableenergyaccess.com/rea/news/story?id=21579>>

### **United Solar Ovonic Agreement with Conergy AG 1-31-05**

United Solar Ovonic LLC has signed a 2-year distribution agreement with Conergy AG for 1.5 MW of PV products. Conergy AG will distribute UNI-SOLAR® products in France, Greece, Spain, and Switzerland through its main subsidiaries. Story at: <[http://biz.yahoo.com/prnews/050131/dem014\\_1.html](http://biz.yahoo.com/prnews/050131/dem014_1.html)>  
Uni-Solar: <<http://www.uni-solar.com/>>  
Conergy: <<http://www.conergy.de/international/>>

### **MVS Export Orders [Arun Madan] 1-31-05**

MVS has received orders from EIKO Corp. on behalf of Tokyo Institute of Technology for a cluster tool system to be used for advanced thin-film silicon solar cell development; from CIEMAT in Spain for a multi-chamber PECVD system and a sputtering system for advanced thin-film silicon solar cell development; and from IPE, University of Stuttgart in Germany for enhancement of their cluster tool used for solar cell and imaging technology using thin-film silicon technology. MVS has also recently installed a cluster tool system at Simon Fraser University in Canada to be used for advanced thin-film transistor development, and has been conducting R&D for solar cells for XsunX. MVSystems Inc., Press 1-30-05, [amadan@mvsystemsinc.com](mailto:amadan@mvsystemsinc.com).  
MVSystems, Inc.: <<http://www.mvsystems.info/>>

### **STR Acquisition 1-31-05**

Specialized Technology Resources, Inc. announced the acquisition of COMPLEX, Inc. STR is in the process of outfitting the COMPLEX plant with the capital equipment needed to run its line of PhotoCap® Solar Cell Encapsulants and expects to begin shipping to the PV industry by early March 2005. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsNACO279.htm>>

STR: <<http://www.strlab.com/public/>>

### **SMA New Transformerless Inverter 1-31-05**

SMA Technologie AG is offering the new transformerless inverter SB 3300TL that is optimal for use with the new 6" and 6"+ cells, as well as for standard modules. Story at Solarbuzz:

<<http://www.solarbuzz.com/news/NewsEUPT27.htm>>

SMA: <[http://www.sma.de/index\\_en.asp](http://www.sma.de/index_en.asp)>

### **Garage Technology Ventures 1-31-05**

Garage Technology Ventures is a seed-stage and early-stage venture capital firm located in Silicon Valley, and focuses on investing in and supporting emerging technology companies in information technology and materials science. Included in 2004 first-half investments was Miasolé, a manufacturer of thin-film solar cells. Story at:

<[http://biz.yahoo.com/prnews/050128/sff029\\_1.html](http://biz.yahoo.com/prnews/050128/sff029_1.html)>

Garage Technology Ventures: <<http://www.garage.com/>>

Miasolé: <<http://www.miasole.com/contact.asp>>

## **Renewables Programs, Projects**

### **Lesotho Solar Electrification 1-6-05**

The government of Lesotho called for expressions of interest for a contract to install and provide dealer services for PV electrification at Linankaneng in Mokhotlong District. The objective of the pilot project is to test the provision of electricity by non-grid service providers using PV systems and draw conclusions. Story through Solarbuzz at:

<<http://www.miningweekly.co.za/min/news/today/?show=61098>>

### **France, Industrial Innovation Fund 1-6-05**

France is offering to include European companies in its plans to fund innovative industrial research projects, to boost the country's and the continent's competitiveness. France is proposing that Germany also set up an agency for industrial innovation. This would jointly fund cutting edge projects and help to develop long-term European expertise in high-technology industries such as nanotechnology, biotechnology, solar cells, and clean cars. Story at:

<<http://news.ft.com/cms/s/6be90ed0-5f50-11d9-8cca-00000e2511c8.html>>

### **EPA Green Power 1-6-05**

The U.S. Environmental Protection Agency signed a 3-year contract with Unicoi Energy Services of Georgia to provide its facilities in North Carolina's Research Triangle Park with 100 million kWh of green power a year, EPA's largest green power purchase to date. See News-in-Brief at ReFocus:

<[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=8758182&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=8758182&accnum=1&topics=>)

### **Santa Barbara, California Credit Union Solar System and Loan Program 1-7-05**

The Santa Barbara County Federal Credit Union has become the first financial institution in the state to install a solar electric system, and one of the first in the nation to offer a loan program specifically designed to make solar electric system purchasing easy and affordable for members. A ribbon-cutting ceremony will be 13 January. The 38-kW system was installed by REC Solar. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAPR450.htm>>

REC Solar: <<http://www.recsolar.com/>>

### **Relief Efforts 1-7-05**

West Bengal Renewable Energy Development Agency will send 50 sets of solar lighting systems, which can light at least 200 to 250 lamps, to the relief camps in Andamans and Nicobar Islands. More on relief efforts in the story through Solarbuzz at: <<http://thestatesman.org/page.news.php?clid=22&id=65151&usrsess=1>>

### **European PV Research Priorities 1-10-05**

EPIA and EUREC Agency, as representatives of the European PV Industry and Research Communities, provide common priorities for research and technology development for the short-to-medium and medium-to-long term. The global budget to meet the PV sector's needs (not including the European Commission contribution) in the time frame of the future FP7 (2007 to 2010) is estimated to be 660 million Euros. EPIA's and EUREC Agency's contribution is based on consultation among members and is the result of work undertaken in the framework of the PV Catapult project. For more on the priorities, and the list of research activities and corresponding budget, for FP7: Joint



Contribution of the European PV Industry and Research Communities, visit PV Catapult at: <<http://www.pvcatapult.org/>> and the European PV Industry Association at: <<http://www.epia.org/>> EUREC Agency: <<http://www.eurec.be/>>

#### **Solar Research in France 1-13-05**

Per this news item, French President Jacques Chirac says his government will allocate Euro 2 billion from the sale of Electricite de France and other assets to a research fund that will include solar energy, low-emission cars, and pharmaceuticals. See News-in-Brief at ReFocus:

<<http://www.sparkdata.co.uk/refocus/showdoc.asp?docid=91149538&accnum=1&topics=>>

#### **Solar in Afghanistan 1-18-05**

The Asian Development Bank said that it would help Afghanistan develop solar energy technologies in isolated rural areas through a technical assistance grant approved for \$750,000. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4031605&ResultCategoryType=2,7&NewsPageID=3>>

#### **Solar Home Project in Philippines 1-20-05**

The Philippine National Oil Company recently launched its Solar Home Systems Distribution Project in Negros Oriental. The project is a 5-year program that involves the installation of 15,100 Solar Home Systems in rural areas that are still not energized. Story at:

<<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=4064065&ResultCategoryType=2,7&NewsPageID=3>>

#### **Renewables in New Mexico 1-20-05**

The Regional Development Corporation is creating a new program initiative in Renewable Energy, which it says will help create jobs in New Mexico in wind, solar, geothermal, biomass, and other renewable energy projects. The RDC plans to work to identify new and/or existing renewable energy projects throughout New Mexico and work with communities to implement their renewable energy projects. Story at:

<[http://albuquerque.bizjournals.com/albuquerque/stories/2005/01/17/daily7.html?jst=b\\_in\\_hl](http://albuquerque.bizjournals.com/albuquerque/stories/2005/01/17/daily7.html?jst=b_in_hl)>

#### **Renewable Energy in Spain 1-24-05**

The Agencia Valenciana de la Energia has approved total funding of 943,800 euros to subsidize a total of 351 renewable energy projects in Alicante province. As part of this program, AVEN will contribute 508,000 euros to support 167 PV projects. Story at Solarbuzz: <<http://www.solarbuzz.com/news/NewsEUGO45.htm>>

AVEN: <<http://www.aven.es/>>

#### **Nevada Solar Incentive Program 1-24-05**

SolarGenerations – the solar energy demonstration program for Sierra Pacific Power and Nevada Power customers – has received enough applications to commit residential and small business funds for the second year. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aKnHbGuObbv8?id=21298>>

Solar Generations: <<http://www.solargenerations.com/>>

#### **Wisconsin Renewables 1-24-05**

Focus on Energy's Renewable Energy Program, Wisconsin's energy efficiency and renewable energy initiative, is offering zero-interest loans and increased cash-back rewards to help finance the installation of renewable energy systems. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aKnHbGuObbv8?id=21297>>

Focus on Energy: <<http://www.focusonenergy.com/>>

#### **Solar at Rhode Island Educational Sites [Matthew Arner] 1-24-05**

The Rhode Island Renewable Energy Fund is providing solar arrays for educational sites around the state, including schools and the Roger Williams Zoo. Each of the arrays will be outfitted with educational Epiphany™ data displays by Heliotronics. The systems will be installed by Solar Wrights. Story at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory;jsessionid=aKnHbGuObbv8?id=21305>>

Heliotronics: <<http://www.heliotronics.com/>>

Rhode Island State Energy Office, Solar on Schools: <<http://www.riseo.state.ri.us/programs/solschools.html>>

Solar Wrights: <<http://www.solarwrights.com/>>



### **BP's A+ for Energy 1-24-05**

BP announced the launch of the 2005 A+ for Energy grant program, which will award \$2 million in grants and scholarships to California K-12 teachers to implement creative and innovative educational programs to teach students about energy and energy conservation. Story at: <[http://biz.yahoo.com/pnews/050124/sfm053\\_1.html](http://biz.yahoo.com/pnews/050124/sfm053_1.html)>  
A+ for Energy: <<http://www.aplusforenergy.org/>>

## **Meetings, Gatherings, Conferences**

### **California Energy Commission Guidebook [Nancy Hassman] 1-6-05**

The Energy Commission will consider adopting revisions to the Guidebook for the Emerging Renewables Program at its January 19 Business Meeting. For information, and the final draft of the Guidebook, see:  
<[http://www.energy.ca.gov/renewables/emerging\\_update/index.html](http://www.energy.ca.gov/renewables/emerging_update/index.html)>

### **POWER-GEN Renewable Energy 2005 1-6-05**

The American Council On Renewable Energy and 9 renewable energy trade associations announced their endorsement of POWER-GEN Renewable Energy 2005, the all-renewable energy trade show, 1-3 March 2005 in Las Vegas. Press a RenewableEnergyAccess:  
<<http://renewableenergyaccess.com/rea/market/business/viewstory.jsessionid=aeMYczXEvg97?id=20547>>  
POWER-GEN: <<http://pgre05.events.pennnet.com/>>

### **More on the Advanced PV Manufacturing Technology Conference [Wolfgang Koch] 1-12-05**

The 1<sup>st</sup> International Advanced Photovoltaic Manufacturing Technology Conference (1<sup>st</sup> APVM 2005) will be held 13 April in Munich with the theme: Challenges and Opportunities in Photovoltaic Mass-Production. The current agenda includes an executive panel session moderated by Michel Viaud, Secretary General, EPIA, with panelists Hubert Aulich, CEO, PV Silicon, Germany; Hans Autenrieth, CEO, Centrotherm, Germany; Alf Bjorseth, CEO REC, Norway; Winfried Hoffmann, CEO, RWE SCHOTT Solar, Germany; Anton Milner, CEO, Q-Cells, Germany; Thomas Zarrella, President and COO, GT Solar, USA; Zhengrong Shi, CEO SunTech, PR China; Simon Tsuo, CEO Motech, Taiwan; and Takashi Tomita, CEO Solar Systems Group, Sharp Corp., Japan. Information will be updated on the EPIA website. Dr. Wolfgang Koch: [w.koch@kosolco.de](mailto:w.koch@kosolco.de)  
For related events, see: <<http://www.epia.org/04events/events.asp>>

### **Clean-Tech Investors Summit [Clean Edge] 1-17-05**

A Clean-Tech Investors Summit will be held 2-3 February 2005, at the Lodge in Rancho Mirage, California. Keynote speakers are William K. Reilly, CEO of Aqua International Partners, Chairman of the World Wildlife Fund, and former Administrator, US EPA, and Mike Eckhart, President, American Council On Renewable Energy. Information at:  
<<http://www.ibfconferences.com/ibf/viewdetails.asp?lstconfname=147>>

### **Sharp's New Solar Energy Products 1-19-05**

Sharp Electronics Corporation is showcasing a range of solar energy products and technologies at the 2005 International Builders' Show®. For more on these products, see:  
<<http://www.energyvortex.com/pages/headlinedetails.cfm?id=1581>>  
Sharp: <[http://solar.sharppusa.com/solar/press\\_releases/0.2484.5-2.00.html](http://solar.sharppusa.com/solar/press_releases/0.2484.5-2.00.html)>

### **Samuel Bodman Hearing 1-20-05**

Samuel Bodman's prepared testimony for the Senate Energy & Natural Resources Committee hearing on his nomination as Energy Secretary can be accessed at:  
<[http://energy.senate.gov/hearings/testimony.cfm?id=1347&wit\\_id=3947](http://energy.senate.gov/hearings/testimony.cfm?id=1347&wit_id=3947)>  
At the hearing, new Colorado Senator Ken Salazer called for alternative energy:  
<[http://www.rockymountainnews.com/drmn/local/article/0.1299.DRMN\\_15\\_3483847.00.html](http://www.rockymountainnews.com/drmn/local/article/0.1299.DRMN_15_3483847.00.html)>

### **PV Roadmap 1-24-05**

This Wednesday, the Solar Energy Industries Association is conducting a 2-hour briefing on the PV Roadmap in conjunction with the Renewable Energy and Energy Efficiency Caucus. SEIA will also release a study on jobs growth for the PV industry, developed with the Renewable Energy Policy Project. [SEIA e-Newsletter].

### **DayStar at Sustainable Technology Showcase 1-24-05**

DayStar Technologies' Chairman and CEO, Dr. John Tuttle, will be a featured speaker at the Sustainable Technology Showcase to be held at Cornell University, 28 January. Press at:  
<[http://biz.yahoo.com/pnews/050124/sfm079\\_1.html](http://biz.yahoo.com/pnews/050124/sfm079_1.html)>  
DayStar Technologies: <<http://www.daystartech.com/>>  
Sustainable Technology Showcase: <<http://www.sustainabletompkins.org/>>

### **HELIOSAT-3 Solar Resource Workshop 1-25-05**

A HELIOSAT-3 workshop is scheduled for 23 February 2005 in Freiburg, Germany. Per the announcement, a successful integration of solar energy into the existing energy structure highly depends on a detailed knowledge of the solar resource. HELIOSAT-3 will supply high-quality solar radiation data extracted from Earth observation technologies and will take advantage of enhanced capabilities of the new Meteosat Second Generation satellites.

More at: <<http://www.heliosat3.de/workshop/index.html>>

HELIOSAT-3: <<http://www.heliosat3.de/home.html>>

For more on upcoming events in PV, see:

<[http://www.epia.org/09Newsletter/events\\_new.asp?c\\_year=2005&c\\_month=01&c\\_cat=0](http://www.epia.org/09Newsletter/events_new.asp?c_year=2005&c_month=01&c_cat=0)>

### **Solar Forum in California [Solar e-Clips] 1-25-05**

The Rahus Institute has arranged to host a California Solar Center – SolarForum on 23 February in Anaheim. The agenda includes information about the Governor’s proposed Million Solar Roofs Initiative, and other topics.

Information at: <[http://www.californiasolarcenter.org/reg\\_forumfeb2005.html](http://www.californiasolarcenter.org/reg_forumfeb2005.html)>

## **U.S. Congress In Action**

### **Congress 1-5-05**

Jerry Lewis (R-CA) will take over the chairmanship of the House Appropriations Committee.

### **U.S. Secretary of Energy Hearing 1-18-05**

The Senate Energy and Natural Resources Committee will hold a hearing on the nomination of Samuel Bodman for Secretary of Energy on January 19. More on Bodman at:

<[http://energy.senate.gov/news/rep\\_release.cfm?id=230651](http://energy.senate.gov/news/rep_release.cfm?id=230651)>

### **Senate Energy & Natural Resources Debate 1-24-05**

The Senate Energy and Natural Resources Committee will hold a special conference this afternoon on solutions to looming natural gas shortages. As part of a statement issued by the Sustainable Energy Coalition [Ken Bossong], the SEC says “...the preferred and primary strategy for addressing the current natural gas problem should constitute a mix of policies that simultaneously vastly improve the efficiency of end-use technologies powered, directly or indirectly, by natural gas electric generating plants as well as displace natural gas with renewable energy sources.”

“An aggressive program to fully tap the cost-effective potential of energy efficiency and renewable energy technologies would not only displace the projected increases in demand for natural gas over the next 15 years, as noted by the Committee, but also substantially reduce overall demand for the cross-section of all polluting energy sources.” Press at: <<http://www.enn.com/aff.html?id=346>>

Sustainable Energy Coalition: <<http://www.sustainableenergy.org/>>

See also, “Challenges and Opportunities for New National Energy Appointees” by Scott Sklar, RE Insider at RenewableEnergyAccess:

<<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aKnHbGuObbv8?id=21374>>

### **Samuel Bodman Vote 1-24-05**

On Wednesday, the Senate Energy and Natural Resources Committee is expected to recommend full Senate approval of White House Energy Secretary nominee Samuel Bodman. See also, article referenced above by Scott Sklar regarding challenges and opportunities for appointees.

### **Samuel Bodman 1-26-05**

The Senate Energy & Natural Resources Committee members today unanimously approved the nomination of Samuel W. Bodman to be Secretary of the Department of Energy. Senators also approved subcommittee assignments and the Committee’s budget. Press at: <[http://energy.senate.gov/news/rep\\_release.cfm?id=230906](http://energy.senate.gov/news/rep_release.cfm?id=230906)>

## **Reports, Publications, Statements**

### **Inspector Guidelines for PV Systems 1-3-05**

Inspector Guidelines for PV Systems have been prepared for the Renewable Energy Technology Analysis Project of the Pace University Law School Energy Project. The document was prepared by Bill Brooks, Endecon Engineering, with input and review by experts and inspectors. One can download the report from the Interstate Renewable Energy Council (IREC) site, as referenced in the IREC newsletter:

<[http://irecusa.org/articles/static/1/1071749124\\_1006793937.html](http://irecusa.org/articles/static/1/1071749124_1006793937.html)>

IREC News: <<http://irecusa.org/>>

#### **Venture Capital in Energy Industry Report 1-4-05**

Research Reports International is offering the 4<sup>th</sup> Edition of its Venture Capital in the Energy Industry Report. For more information, see: <[http://www.researchreportsintl.com/products/product.cfm?report\\_ID=64](http://www.researchreportsintl.com/products/product.cfm?report_ID=64)>

#### **California's Solar Homes Initiative 1-6-05**

A statement from Environment California on the solar power initiative in California can be found at: <[http://www.ems.org/nws/2005/01/05/solar\\_homes\\_is\\_t](http://www.ems.org/nws/2005/01/05/solar_homes_is_t)>

#### **California Energy Commission Guidebook [Nancy Hassman] 1-6-05**

The Energy Commission will consider adopting revisions to the Guidebook for the Emerging Renewables Program at its January 19 Business Meeting. For information, and the final draft of the Guidebook, see: <[http://www.energy.ca.gov/renewables/emerging\\_update/index.html](http://www.energy.ca.gov/renewables/emerging_update/index.html)>

#### **Florida Solar Center 1-6-05**

According to this press, Florida state senator Mike Bennett will try again to win approval for a renewable energy research center in the southwest region of the state. Bennett says he will meet with Governor Jeb Bush to discuss Florida's role in research for solar and wind energy. See News-in-Brief at ReFocus: <[http://www.sparksdata.co.uk/refocus/fp\\_showdoc.asp?docid=8758182&accnum=1&topics=>](http://www.sparksdata.co.uk/refocus/fp_showdoc.asp?docid=8758182&accnum=1&topics=>)

#### **Selling Renewables to Corporate Leaders 1-6-05**

For Distributed Energy's article on Selling Renewables to Corporate Leaders, see: <[http://www.distributedenergy.com/de\\_0409\\_selling.html](http://www.distributedenergy.com/de_0409_selling.html)> or Link through SunEdison: <<http://sunedison.com/story.html>>

#### **Renewable Energy 2004 in Review 1-7-05**

For series of articles covering top renewable energy news in 2004, see RenewableEnergyAccess at: <<http://www.renewableenergyaccess.com/rea/home>>

#### **Germany's Solar Power 1-10-05**

More than 100,000 new solar panels were installed in Germany in 2004, representing an overall boost in capacity of about 300 megawatts, said the German solar industry federation. Story at: <[http://www.nasdaq.com/asp/quotes\\_news.asp?cpath=20050110%5CACQDJON200501100512DOWJONESDJONLINE000163.htm&selected=9999&StoryTargetFrame=\\_top&mkt=WORLD&chk=unchecked&lang=&link=&headlineretunpage=http://www.international.nasdaq.com/asp/gmWorldNews.asp&headl](http://www.nasdaq.com/asp/quotes_news.asp?cpath=20050110%5CACQDJON200501100512DOWJONESDJONLINE000163.htm&selected=9999&StoryTargetFrame=_top&mkt=WORLD&chk=unchecked&lang=&link=&headlineretunpage=http://www.international.nasdaq.com/asp/gmWorldNews.asp&headl)>

#### **Venture Capital in Alternative Power Technology 1-10-05**

For an article on the appeal of the energy business to Silicon Valley entrepreneurs, see: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=3859854&ResultCategoryType=2,7&NewsPageID=3>>. Said T.J. Rodgers, chief executive of Cypress Semiconductor, referring to the need for new, cheap power, "That's what America wants right now." He has invested time and money in both solar and fuel cell companies.

#### **IREC Newsletter [Jane Pulaski] 1-14-05**

For the latest on Schools Going Solar, Million Solar Roofs, Interconnection and Net Metering, Incentives and Rebates, etc. see the IREC Newsletter at: <<http://irecusa.org/>>

#### **European Photovoltaic Industry Association Roadmap 1-18-05**

A copy of the full version of EPIA's Roadmap is available on line at: <[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=01&c\\_cat=8](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=01&c_cat=8)>

#### **EPIA and Greenpeace on Solar Generation 1-18-05**

EPIA and Greenpeace are scheduled to release their updated publication, Solar Generation, at the European Parliament today. News at: <[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=01&c\\_cat=13](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=01&c_cat=13)>

#### **Silicon Crunch and PV Cost 1-18-05**

Reacting to demand for PV in Germany, Japan, and some U.S. states, many solar cell and module producers have announced plans to ramp up production capacity in 2005. But, according to this article, the extremely tight silicon supply is offsetting efforts to reduce costs to end customers and may continue to do so for the next several years. Story at: <[http://pro.energycentral.com/professional/news/power/news\\_article.cfm?id=5402555](http://pro.energycentral.com/professional/news/power/news_article.cfm?id=5402555)>

### **Solar: Torn Between an Industry and a Market 1-18-05**

For RenewableEnergyAccess Insider's article by David Cappello, senior writer and analyst for ARS Insights, see: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=alosljGW0mp1h?id=21031>>  
ARS Insights: <<http://www.arsinsights.com/>>  
ARS Insights U.S. Solar Power Market study: <<http://www.arsinsights.com/studies.htm>>

### **Concentrating Solar Power Report 1-18-05**

CPS is the focus of IEA's SolarPACES implementing agreement, which has completed a report at the request of the United Nations Framework Convention on Climate Change. The case study reviews past and current experience in international collaboration in CSP to identify relevant lessons for technology collaboration on renewables, and analyzes the successes and failures to date. More at ReFocus: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=64200991&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=64200991&accnum=1&topics=>)

### **Solar Generation Report 1-19-05**

For news coverage, and a copy of the updated EPIA and Greenpeace publication "Solar Generation" announced yesterday, see: <<http://www.epia.org/05Publications/Solargeneration.htm>>. The report describes how by 2020 solar power could deliver electricity to more than 1 billion people, provide over 2.2 million jobs, and reduce CO<sub>2</sub> emissions by 169 million tonnes a year.

### **Solar Water Heating Publication [Scott Sklar] 1-19-05**

Green Markets International announced a new publication, "Solar Water Heating as a Climate Protection Strategy: The Role for Carbon Finance". For a copy of this publication, go to: <[http://www.green-markets.org/Downloads/SWH\\_carbon.pdf](http://www.green-markets.org/Downloads/SWH_carbon.pdf)>  
Green Markets International: <<http://www.green-markets.org/>>

### **Renewables Manufacturers Directory [Amy Cole] 1-20-05**

Research and Markets has published a Renewables Manufacturers Directory, covering 2,286 companies. Information at: <<http://www.researchandmarkets.com/reports/c11789/>>

### **Online Service for Northwest Energy Efficiency Alliance 1-20-05**

Celilo Group Media, Inc. and Clean Edge, Inc. were awarded a 3-year contract to develop and operate a monthly newsletter, web site, and web conferencing service focused on energy efficiency, renewable energy, and smart energy in Washington, Oregon, Idaho, and Montana. Story at Clean Edge 1/19: <<http://www.cleandedge.com/news-listing.php>>

### **New Mexico Renewables 1-21-05**

A new study by the Union of Concerned Scientists finds that if utilities increased their use of renewable electricity to 20% by 2020, New Mexico families and businesses would save \$750 million on energy bills. Story at: <<http://www.allamericanpatriots.com/m-news+article+storyid-4902-PHPSESSID-02e3fe4a0f77f930d1948b0fdcacc2b6.html>>  
Union of Concerned Scientists: <<http://www.ucsusa.org/index.cfm>>

### **XsunX Interview 1-24-05**

XsunX, Inc. announced that the company's CEO, Mr. Tom Djokovich, has been interviewed by CEOcast.com. For more information, see: <[http://biz.yahoo.com/bw/050124/245448\\_1.html](http://biz.yahoo.com/bw/050124/245448_1.html)>  
CEOcast.com: <<http://www.CEOcast.com/>>  
XsunX: <<http://www.XsunX.com/>>

### **More on Solar Generation II Report 1-24-05**

For coverage of the new EPIA and Greenpeace report, "Solar Generation II", at RenewableEnergyAccess, see: <<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=aKnHbGuObbv8?id=21292>>  
Solar Generation: <<http://www.epia.org/05Publications/Solargeneration.htm>>

### **"Country Attractiveness Indices" 1-24-05**

The "Country Attractiveness Indices" are produced by Ernst & Young to rank national renewable energy markets, infrastructures and the suitability for technologies. The UK and Spain tied for top spot. Information at ReFocus: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=51896304&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=51896304&accnum=1&topics=>)  
Ernst & Young, Renewable Energy: <<http://www.ey.com/global/content.nsf/International/ECU - Renewable Energy>>

### **PV Demand 1-25-05**

For a story on PV demand on the rise, see the European Photovoltaic Industry Association newsletter article, referenced to RenewableEnergyAccess, at:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=01&c\\_cat=4](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=01&c_cat=4)>

### **Solar Module Prices 1-25-05**

For a story on solar module price highlights, see the European Photovoltaic Industry Association newsletter article, referenced to Solarbuzz, at:

<[http://www.epia.org/09newsletter/newsletter\\_new.asp?c\\_year=2005&c\\_month=01&c\\_cat=14](http://www.epia.org/09newsletter/newsletter_new.asp?c_year=2005&c_month=01&c_cat=14)>

### **Strategies Unlimited Solar Flare [Paula Mints] 1-25-05**

The January 17 issue of Solar Flare (subscription) includes articles on the potential of solar electric energy, an interview with Sharp Solar Systems Division General Manager, the U.S. as a growth engine for solar PV, a review of U.S. renewable portfolio standards, the California State Senate Bill on solar homes, an interview with Phonix SonnenStrom CTO, coverage of the recent IEEE PVSC, and other topics. See Solar Flare, by subscription, at Strategies Unlimited <<http://www.strategies-u.com>>

Solar Flare: <[http://su.pennnet.com/solar\\_flare.cfm](http://su.pennnet.com/solar_flare.cfm)>

### **Climate Challenge 1-25-05**

According to Platts Inside Energy (subscription) an international panel of elected officials, business leaders and scientists co-chaired by a Republican senator released a report saying urgent action is needed to forestall the effects of global warming. The report, "Meeting the Climate Challenge" calls on the world's major industrial nations to generate at least 25% of their electricity from renewable energy sources by 2025. [Platts Inside Energy Extra, 1-24-05, <<http://www.platts.com>>]

Inside Energy Extra:

<<http://www.platts.com/Electric%20Power/Newsletters%20%20Reports/Inside%20EnergyEXTRA/>>

Inside Energy: <<http://www.platts.com/Electric%20Power/Newsletters%20%20Reports/Inside%20Energy/>>

### **PowerLight's Solar Currents 1-26-05**

For the latest issue of PowerLight's Solar Currents newsletter, including a story on the Bavaria Solarpark, see:

<<http://www.powerlight.com/newsletters/issue5-1.htm>>

### **ABI on Evergreen/Q-Cells Venture 1-26-05**

Evergreen Solar, Inc., and Q-Cells AG recently concluded a deal to set up a large solar wafer, cell, and module manufacturing plant as a joint venture. According to tech market analysts ABI Research, this development is an example of a trend, noted in recent research, for the solar PV industry to move to Germany. A study by ABI Research, Global Photovoltaic Markets, forecast that more and more PV industry activity would center on Europe. Story at: <[http://biz.yahoo.com/bw/050126/265458\\_1.html](http://biz.yahoo.com/bw/050126/265458_1.html)>

ABI Research: <<http://www.abiresearch.com/reports/PHO.html>>

### **Climate Challenge 1-26-05**

One of the recommendations in the report "Meeting the Climate Challenge" is: "G8 governments establish national renewable portfolio standards to generate at least 25% of electricity from renewable energy sources by 2025, with higher targets needed for some G8 governments". For a copy of the report, go to:

<<http://www.americanprogress.org/site/pp.asp?c=biJRJ8OVF&b=306503>>

### **National PV Market Potential 1-27-05**

At a Capitol Hill briefing, the Solar Energy Industries Association unveiled "Our Solar Power Future: The US Photovoltaic Industry Roadmap for 2030 and Beyond". Several members of Congress supported the proposal from US solar energy manufacturers to speed the commercialization of solar electricity in domestic markets. Story at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNAGO221.htm>> and Renewable Energy Access:

<<http://www.renewableenergyaccess.com/rea/market/business/viewstory?id=21494>>

SEIA: <<http://www.seia.org/>>

Delaware Press: <<http://www.delawareonline.com/newsjournal/business/2005/01/27delexpertshelpm.html>>

### **Solar PV Development Report 1-27-05**

Per the press on this new report, development of PV will lead to jobs and investment in areas of the country that manufacture the parts that make up a PV system, in addition to locations that install the systems. To download a copy of this new report, "Solar PV Development: Location of Economic Activity", see:

<<http://www.crest.org/index.html>>



### **Solar Jobs in Canada 1-27-05**

The Canadian Solar Industries Association estimates that there are currently about 1,000 jobs in the solar industry in Canada, and that by 2025 this could grow to 60,000 jobs. For more on this report, see RenewableEnergyAccess at: <<http://renewableenergyaccess.com/rea/news/story?id=21475>>

### **Solar Today 1-27-05**

For the current issue of Solar Today, with an article on "Japan Takes the Lead", see: <[http://www.solartoday.org/current\\_issue.htm](http://www.solartoday.org/current_issue.htm)>

### **World's Top 100 Sustainable Companies 1-28-05**

A new global business ranking – called Global 100 Most Sustainable Corporations in the World – was announced at the World Economic Forum. Among the winners is U.K.-based BP PLC. For the list, see: <<http://www.cswire.com/article.cgi/3476.html>>

### **[Interstate] Renewable Energy Council Newsletter [Jane Pulaski] 1-28-05**

For the latest news on schools going solar, Million Solar Roofs, interconnection & net metering, State incentives, etc., see the current IREC newsletter at: <<http://www.irecusa.org/commout/enewsletter.html>>

### **Konarka Beginnings 1-31-05**

For an article on Konarka's beginnings, and Howard Berke's vision, see the story in Fortune at: <<http://www.fortune.com/fortune/smallbusiness/technology/articles/0,15114,1022207,00.html>>  
Konarka: <<http://www.konarka.com/>>

## **Solicitations, RFPs, LOIs, etc. & Awards**

### **New Mexico State University Research 1-3-05**

According to this press, New Mexico State University will receive about \$21 million in congressional appropriations in 2005 for research and technology projects, including \$1.25 million to the Southwest Region PV Experiment Station to support testing and development of solar energy systems. Press at: <<http://www.centreforenergy.com/displayNewsArticle.asp?From=Sector&template=2,2&NewsID=3681871&ResultCategoryType=2,7&NewsPageID=3>>

### **Lesotho Solar Electrification 1-6-05**

The government of Lesotho called for expressions of interest for a contract to install and provide dealer services for PV electrification at Linankaneng in Mokhotlong District. The objective of the pilot project is to test the provision of electricity by non-grid service providers using PV systems and draw conclusions. Story through Solarbuzz at: <<http://www.miningweekly.co.za/min/news/today/?show=61098>>

### **Some information on various solicitations and awards: 1-11-05**

DOE EERE Solicitations:

For information on Energy Efficiency and Renewable Energy Solicitations, visit: <[http://www.eere.energy.gov/office\\_eere/solicitations.html](http://www.eere.energy.gov/office_eere/solicitations.html)>

NSF PV Research:

For descriptions of PV projects funded under NSF, see:

<<http://www.nsf.gov/awardsearch/progSearch.do?jsessionid=267D192EEACDEEE0F38515384C8EF7BA?SearchType=progSearch&page=2&QueryText=photovoltaic&ProgOrganization=&ProgOfficer=&ProgEleCode=&ProgRefCode=&ProgProgram=&ProgFoaCode=&Search=Search#results>> and search on other keywords, e.g., solar.

PV Projects under NIST's Advanced Technology Program:

For descriptions of PV projects funded under NIST's Advanced Technology Program, search on keywords, e.g., photovoltaic, at: <<http://jazz.nist.gov/atpcf/prjbriefs/listmaker.cfm>>

National Institute of Standards and Technology Advanced Technology Program: <<http://www.atp.nist.gov/index.html>>

SBIR/STTR Awards:

For descriptions of PV projects funded under the DOE and NASA SBIR/STTR programs, search on keywords, e.g., photovoltaic, at the following sites: DOE: <<http://www.science.doe.gov/sbir/newweb/awards.htm>>

NASA: <<http://sbir.gsfc.nasa.gov/SBIR/sbirabssearch.html>>

DOE SBIR/STTR: <<http://www.science.doe.gov/sbir/>>

SBIR Gateway: <<http://www.zyn.com/sbir/>>



DARPA Solicitations:

For information on DARPA solicitations, see: <<http://www.darpa.mil/baa/>>

PV Grants by EPSRC:

For descriptions of PV projects funded under the Engineering and Physical Sciences Research Council, UK, search on keywords, e.g., photovoltaic, at: <<http://gow.epsrc.ac.uk/FreeText.aspx>>

#### **Solar Hydrogen 1-14-05**

Proton Energy Systems, Inc. announced a contract award valued at nearly \$1.2 million with the University of Nevada, Las Vegas Research Foundation. This is a follow-on to the Phase I contract under which Proton and the UNLVRF team are developing a hydrogen filling station capable of operating on solar power for installation in Las Vegas. Story at: <[http://biz.yahoo.com/prnews/050113/nyth103\\_1.html](http://biz.yahoo.com/prnews/050113/nyth103_1.html)>  
Proton Energy Systems: <<http://www.protonenergy.com/>>

#### **DayStar Grant 1-19-05**

DayStar Technologies, Inc. has been awarded a \$1,000,000 competitive grant by the New York State Energy Research and Development Authority. The award will be phased, with the first \$600,000 based on production capacity milestones at the HalfMoon facility. The final \$400,000 is based on product sales coupled with DayStar's commitment to a new facility at the Saratoga Technology & Energy Park. Story at: <[http://biz.yahoo.com/prnews/050119/sfw012\\_1.html](http://biz.yahoo.com/prnews/050119/sfw012_1.html)>  
DayStar Technologies, Inc.: <<http://www.daystartech.com/>>

#### **District of Columbia Renewable Energy Demonstration Project 1-26-05**

The Project will provide qualified applicants with up to 50% of the costs associated with implementing a mechanism to produce electricity using a renewable source of fuel. For the Request for Application, see: <<http://www.energyvortex.com/pages/headlinedetails.cfm?id=1613>>

#### **European Union Call for Renewable Energy Proposals 1-27-05**

Small-scale application of renewable energy will be the priority for funding under the latest call for proposals from the European Union. For more on the "Intelligent Energy -Europe" program, see ReFocus at: <[http://www.sparkdata.co.uk/refocus/fp\\_showdoc.asp?docid=56893557&accnum=1&topics=>](http://www.sparkdata.co.uk/refocus/fp_showdoc.asp?docid=56893557&accnum=1&topics=>)

#### **Renewable Energy Trust Request for Proposals 1-28-05**

The Massachusetts Technology Collaborative's Renewable Energy Trust launched a \$25 million request for proposals that will make funding commitments to support projects that could generate up to 20-50 MW of new, clean energy for the New England electric grid. Information at RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/market/business/viewstory?id=21612>>  
Renewable Energy Trust: <<http://www.masstech.org/renewableenergy/index.htm>>  
Round 2 RFP: <[http://www.masstech.org/Grants\\_and\\_Awards/CE/mgpp\\_round2\\_rfp.htm](http://www.masstech.org/Grants_and_Awards/CE/mgpp_round2_rfp.htm)>

### **Competitions**

#### **Akeena Solar Giveaway 1-5-05**

Akeena Solar and Kyocera Solar have teamed up for the second "Akeena Solar \$25,000 Solar Energy Giveaway", to be awarded January 7-9 in support of Governor Schwarzenegger's Million Solar Roofs Initiative. Details at Solarbuzz: <<http://www.solarbuzz.com/News/NewsNACO265.htm>>  
Akeena Solar: <<http://www.akeena.net/>>  
Kyocera Solar: <<http://www.kyocerasolar.com/>>

### **Additional**

#### **New Director at the National Renewable Energy Laboratory 1-4-05**

Dan E. Arvizu has been announced as the new Director of the National Renewable Energy Laboratory, effective January 15, 2005. Arvizu, formerly Senior Vice President and Chief Technology Officer for CH2M Hill, succeeds Vice Admiral Richard Truly who announced retirement last June. Dr. Arvizu holds a PhD and MS degree in mechanical engineering from Stanford University, and a BS degree in mechanical engineering from New Mexico State University. Before joining CH2M Hill, Dr. Arvizu was a researcher and manager in energy at Sandia National Laboratories. For more on Dr. Arvizu, see the Midwest Research Institute Press at: <<http://www.mriresearch.org/AboutMRI/News/2005NewsReleases.asp>> and DOE Press: <[http://www.energy.gov/engine/content.do?PUBLIC\\_ID=17120&BT\\_CODE=PR\\_PRESSRELEASES&TT\\_CODE=PRESSRELEASE](http://www.energy.gov/engine/content.do?PUBLIC_ID=17120&BT_CODE=PR_PRESSRELEASES&TT_CODE=PRESSRELEASE)>

#### **More on Dan Arvizu, NREL's New Director 1-6-05**

Continuing press on Dan Arvizu as NREL's new Director includes:

<[http://www.rockymountainnews.com/drmn/business/article/0,1299,DRMN\\_4\\_3448588,00.html](http://www.rockymountainnews.com/drmn/business/article/0,1299,DRMN_4_3448588,00.html)>

<<http://www.enn.com/today.html?id=6881>>

<[http://denver.bizjournals.com/denver/stories/2005/01/03/daily22.html?jst=b\\_In\\_hl](http://denver.bizjournals.com/denver/stories/2005/01/03/daily22.html?jst=b_In_hl)>

<<http://www.denverpost.com/Stories/0,1413,36~53~2634310,00.html>>

#### **More on Renewable Energy Jobs 1-10-05**

Greenjobs, a new recruitment service focused solely on the renewable energy industries, was officially launched. Said Peter Beadle, President of Greenjobs, "We are addressing the need to raise the profile of recruitment in to renewable energy to help sustain the industries' high growth path". More at Solarbuzz:

<<http://www.solarbuzz.com/News/NewsNACO266.htm>>

Greenjobs: <<http://www.greenjobs.com/public/index.aspx>>

See also renewable energy jobs at RenewableEnergyAccess:

<[http://www.renewableenergyaccess.com/rea/jobs/home;jsessionid=avkWs\\_SV21o4](http://www.renewableenergyaccess.com/rea/jobs/home;jsessionid=avkWs_SV21o4)>

#### **Florida Solar Energy Center Director 1-12-05**

James M. Fenton has been named as the Director of the Florida Solar Energy Center. Story at

RenewableEnergyAccess: <<http://renewableenergyaccess.com/rea/news/story?id=20815>>

FSEC Press Release: <[http://dbase.fsec.ucf.edu/pls/operation/press\\_display?pressid=2167](http://dbase.fsec.ucf.edu/pls/operation/press_display?pressid=2167)>

#### **Rate Settlement Benefits 1-26-05**

Xcel Energy has reached a series of settlements in the utility's rate case, with one provision being that the utility would use existing meters to measure electricity consumption for customers who use solar panels instead of requiring customers to install an additional meter. The settlements have been filed with the Public Utilities Commission, with a decision expected in February. Story at RenewableEnergyAccess:

<<http://renewableenergyaccess.com/rea/news/story?id=21404>>

#### **Ex-Im Bank Agreement with China 1-26-05**

The Export-Import Bank of the U.S. has signed an agreement with China to make it easier for the bank to finance purchases of U.S. goods by the Chinese government. It will enable the Bank to help finance a wide range of exports to China, including renewable energy products. Information at:

<<http://www.iii.co.uk/news/?type=afxnews&articleid=5178207&subject=economic&action=article>>

Ex-Im Bank Press: <<http://www.exim.gov/pressrelease.cfm/AADBE76C-FEA7-F901-F2F292269058F430/>>