

NCPV Hotline — Week of July 21-25, 2008

Weekly News Items

Some of the following news items are available as Adobe Acrobat PDFs. [Download Adobe Reader](#).

The National Center for Photovoltaics (NCPV), the National Renewable Energy Laboratory's (NREL's) center for PV research maintains an international communications system called the NCPV Hotline. The Hotline increases knowledge and awareness of PV industry and research happenings. Hotline participants receive important news items via email related to PV activities around the world. The contents have been relatively uncensored, because we depend on the good judgment of the contributors to separate fact from rumor.

(Links may expire)

Current and archived NCPV Hotline issues <link to http://www.nrel.gov/pv/news_hotline.html>

[Disclaimer](#) <link to http://www.nrel.gov/pv/hotline/news_hotline_disclaimer.html>

Subscribe/Unsubscribe: Email name, organization, and e-mail address to [Carol Riordan](mailto:Carol_Riordan@nrel.gov) <mailto:Carol_Riordan@nrel.gov> at NREL

NOTE: NREL will soon be migrating to a different mail utility for sending the NCPV Hotline.

7-21-08 Green Energy Solar Ingot Plant, China

According to this press, Green Energy has secured land in Neimeng, China where it plans to construct a solar ingot plant with polysilicon to be supplied by a domestic player. Press at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD000000000000000000000000006531&query=SOLAR> or <http://tinyurl.com/69pgw8>

Green Energy: <http://www.getinc.com.tw/>

7-21-08 Solar IPOs

See the story "GT Solar a Bellwether for 'Green' IPOs" at:

http://online.wsj.com/article/SB121660146734169243.html?mod=googlenews_wsj or

<http://tinyurl.com/5jcjx> and "GT Solar ready to fire up IPO" at <http://tinyurl.com/6j7u75>

GT Solar: <http://www.gtsolar.com/>

7-21-08 UC San Diego Green Initiative, Solar

The University of California, San Diego has begun construction on a sustainable energy project that it says is among the largest in the nation by a university. When the solar portion of the project is complete, buildings and parking garages across campus will feature 2 MW of solar panels. Three partners are working with the university on the PV project. Borrego Solar is the installer, and Envision Solar is the designer of the solar "trees" that will be built on top of the parking structures. Solar Power Partners is the financier and owner of the PV arrays. More UC's green initiatives in the story at RenewableEnergyWorld:

<http://www.renewableenergyworld.com/rea/news/story?id=53092>

Borrego Solar: <http://www.borregosolar.com/>

Envision Solar: <http://www.envisionsolar.com/>

Solar Power Partners: <http://www.solarpowerpartners.com/>

7-21-08 SEPA Mission to Germany, Report

The Solar Electric Power Association announced results of a recent fact-finding mission to Germany. The mission, developed by SEPA in partnership with the World Future Council and Washington State University, exposed U.S. utility executives and managers to Germany's solar leadership success. More in the press release from SEPA at:

<http://www.renewableenergyworld.com/rea/partner/story?cid=1410&id=53105> or <http://tinyurl.com/6efgup>

SEPA Report: <http://www.solarelectricpower.org/docs/Germany%20summary%20report.pdf> or

<http://tinyurl.com/6pexm7>

SEPA: <http://www.solarelectricpower.org/>

World Energy Council: <http://www.worldenergy.org/>

7-21-08 Global Solar Sales, PV Field

According to this press, Global Solar has signed on 5 customers to buy all of the thin-film cells available from its first commercial plant this year. See "Global Solar Sells Out Year's Production" at Greentech Media: <http://www.greentechmedia.com/articles/global-solar-signs-customers-1149.html> or <http://tinyurl.com/59ps25>

See also the story "Global Solar ready to install modules, flip switch on CIGS solar field within months" at FABTECH: <http://www.fabtech.org/content/view/full/65659/>
Global Solar: <http://www.globalsolar.com/>

7-21-08 Sungevity Solar Estimates

See "A Solar Estimate from Outer Space", with coverage of Sungevity, in the video at Greentech Media: <http://www.greentechmedia.com/> (Featured Content)
Sungevity: <http://www.sungevity.com/#start>

7-21-08 SolarCity Financing Options for San Francisco Residents, California

SolarCity announced solar-power financing options for San Francisco residents. SolarCity's SolarLease options incorporate incentives from San Francisco's GoSolarSF program, and can allow many San Francisco homeowners to use solar power for less than they currently pay for electricity. Story at:

<http://tinyurl.com/5ubujb>

SolarCity: <http://solarlease.solarcity.com/>

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

GoSolarSF: http://sfwater.org/detail.cfm/MC_ID/12/MSC_ID/139/MTO_ID/361/C_ID/3910 or <http://tinyurl.com/6rva6g>

7-21-08 Dyesol Distribution Agreement

Dyesol Limited has signed an agreement with Sigma-Aldrich® for Sigma-Aldrich to distribute Dyesol's range of dyes for Dye Solar Cells. Press from Dyesol: <http://tinyurl.com/6ysufq>

<http://www.dyesol.com/index.php?page=Home>

Interview with Sylvia Tulloch, Managing Director: <http://www.brr.com.au/event/47985/distribution-agreement-reached-for-dye-solar-cells> or <http://tinyurl.com/5vy5wx>

Sigma-Aldrich: http://www.sigmaaldrich.com/Local/SA_Splash.html

7-21-08 SEPA Phone Seminars [Josephine Mooney]

The Solar Electric Power Association announced its Phone Seminar schedule for the second half of 2008. Each 1-hour mid-day call features a national solar expert presenting information on topics relevant to both utilities and the solar industry, followed by a facilitated dialogue. Information at:

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

<http://www.solarelectricpower.org/docs/2008%202nd%20Half%20Phone%20Seminars.pdf> or

<http://tinyurl.com/6mykyo>

7-21-08 More on Solar R&D 100 Awards

Two new solar technologies developed at DOE's National Renewable Energy Laboratory were named among the year's most significant innovations by R&D Magazine. See more on these inventions in the press at: http://www.nrel.gov/features/0708_rd100.html

<http://www.nrel.gov/news/press/2008/618.html>

R&D Magazine: <http://www.rdmag.com/awards.html>

NREL: <http://www.nrel.gov/pv/>

EMCORE Corp: <http://www.emcore.com/>

HelioVolt: <http://www.heliovolta.net/>

7-21-08 Solar Startup Financing

According to Greentech Media, solar startups continue to raise good money for technology development and market expansion. Story at: <http://www.greentechmedia.com/articles/funding-roundup-investors-keep-betting-on-solar-1150.html> or <http://tinyurl.com/6ocmjn>

7-21-08 U.S. Venture Financing, Solar Energy Bright Spot

According to this press, the 3 biggest venture rounds of the 2nd quarter all went to solar energy companies. Story at: <http://www.xconomy.com/national/2008/07/21/us-venture-financing-down-slightly-in-second-quarter-solar-energy-is-one-bright-spot/> or <http://tinyurl.com/6xxzwz>

7-21-08 Venture Power Report [Eric Wesoff]

The Venture Power Report is devoted to tracking the flow of private capital into the greentech market, with a focus on alternative energy, power generation and infrastructure. See more on subscriptions in the press at Greentech Media: <http://www.greentechmedia.com/research-venture-power.html> or <http://tinyurl.com/67c8kl>

7-21-08 DOE Support to National Governors Association's Securing a Clean Energy Future Initiative

The U.S. DOE announced that DOE will provide \$850,000 this fiscal year to support the National Governors Association's work to enact energy policies at the state level that will help develop and deploy cleaner sources of energy. DOE Press at: <http://www.energy.gov/news/6412.htm>
National Governors Association: <http://www.nga.org/portal/site/nga>

7-21-08 ICP Solar Technologies Sales Contract with Nissan

ICP Solar Technologies Inc. announced that it has entered into a sales contract with Nissan in Europe and North America for the OEM solar charger. Press at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/partner/story?cid=1274&id=53103> or <http://tinyurl.com/63rpkp>
ICP Solar: <http://www.icpsolar.com/>

7-21-08 SCHOTT Solar VP Sales and Marketing

SCHOTT Solar has appointed Cameron "Mac" Moore as its new Vice President Sales & Marketing for the North American market. He will be overseeing the marketing and sales activities of SCHOTT Solar, Inc. from the company's headquarters in Roseville, California, and also overseeing business development opportunities inside this region. Story at Solarbuzz: <http://www.solarbuzz.com/news/newsNACO792.htm>
SCHOTT Solar: <http://www.schott.com/solar/english/news/press.html?NID=2366&PHPSESSID=pqnatfd6hf7uf3tfe1trnijvc1> or <http://tinyurl.com/6duvn3>

7-21-08 ET Solar CTO

ET Solar Group Corp. announced that it has appointed Dr. Jeff Lu as its new Chief Technology Officer. Press at: <http://tinyurl.com/5n885p>
ET Solar: <http://www.etsolar.com/en/default.html>

7-21-08 Suntech Chairman & CEO Award

Suntech Power Holdings Co., Ltd. announced that Dr. Zhengrong Shi, Chairman and CEO, has been named the winner of the Banksia International Award in recognition of his outstanding contributions to environmental protection initiatives and environmental awareness. Press at: <http://www.quamnet.com/newscontent.action?articleId=898773>
Suntech: <http://www.suntech-power.com/>
Banksia: <http://www.banksiafdn.com/>

7-21-08 ENF Directory of PV-related Exhibitions and Conferences

ENF has launched a new section within its industry directory covering PV-related exhibitions and conferences. More at enf.cn: <http://www.enf.cn/news/080721/1433.html>

7-21-08 Global PV Markets, Report

Research and Markets announced the addition of "Global Solar Photovoltaic Energy Markets – Key Trends and Challenges" to its offering. Information at: <http://biz.yahoo.com/bw/080721/20080721005510.html?.v=1>

7-21-08 PNM RFP for Renewable Energy, New Mexico

PNM has issued a request for proposals for renewable energy projects that will decrease its dependence on fossil fuels and help PNM meet the state's renewable portfolio standard.

Press at: <http://tinyurl.com/5pblpj>

RFP: <http://www.pnm.com/rfp/>

7-21-08 Institute for 21st Century Energy Principles

The Institute for 21st Century Energy has posted "An Open Letter on America's Energy Future", with 13 energy principles, at: <http://www.energyxxi.org/xxi/index.html>

7-21-08 More on the North American Solar Challenge

See "Solar cars cruise through Prairies" at CBCnews.ca:

<http://www.cbc.ca/canada/calgary/story/2008/07/21/solar-race.html?ref=rss> or <http://tinyurl.com/5hmozk>

North American Solar Challenge: <http://www.americansolarchallenge.org/>

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7-22-08 Soudai Investment in PV Enterprise, China

The Changzhou National Hi-Tech District located at Xinbei District, Jiangsu Province in China announced that Japan-based Soudai will invest \$100 million in the district to create a new PV enterprise.

Story at: http://www.eetasia.com/ART_8800535717_499486_NT_43a6d29f.HTM?click_from=RSS or <http://tinyurl.com/5rwrw> <http://tinyurl.com/6pjpzd> <http://tinyurl.com/5uxvgo>

CND: <http://www.cznd.com/english/index.asp>

7-22-08 G24 Innovations Investment [Oliver Williams]

G24 Innovations announced that it has raised an additional \$30 million through an investment by the renewable and alternative energy fund, 4RAE. This is G24i's 2nd major funding announcement in the last 2 months, following a \$20 million investment by Morgan Stanley Principal Investments in June. Press from G24i: <http://www.g24i.com/press.g24i-announces-2nd-major-investment-of-the-summer,116.html> or <http://tinyurl.com/5uunxz> <http://www.g24i.com/>

Additional press: <http://tinyurl.com/6ehzd6>

7-22-08 Spire Corporation Contract with UL

Spire Corporation announced that it has received a contract from Underwriters Laboratories Inc. to provide critical test equipment for their certification operations in the U.S. and China.

Press at: <http://tinyurl.com/6epqap>

Spire Corporation: <http://www.spirecorp.com/index.php>

7-22-08 Motech Solar-cell Capacity

See the story on Motech Industries' solar cell production at the Suzhou, China plant at DigiTimes:

http://www.digitimes.com/bits_chips/a20080722PD214.html

Motech: <http://www.motechind.com/>

7-22-08 Optomec and Applied Nanotech Strategic Cooperation on Printable Electronics

Applied Nanotech Holdings Inc. announced that its subsidiary, Applied Nanotech Inc., established a strategic development program with Optomec, Inc.

Press at: <http://tinyurl.com/5jq9qj>

Applied Nanotech: <http://www.appliednanotech.net/>

Optomec: <http://www.optomec.com/>

7-22-08 Meyer Burger Plans

Meyer Burger signed a conditional share purchase agreement to acquire a majority stake of around 76% of the share capital of EMIX SA, a specialist in the production of multi-crystalline silicon blocks.

Press at: <http://tinyurl.com/5ewsm5>

7-22-08 Spot Price of Polysilicon

According to DigiTimes, despite the spot price of polysilicon remaining high, a mild weakening sign has been seen over the recent month. Story at:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD000000000000000000000000006551&query=SOLAR> or <http://tinyurl.com/6s5mmn>

7-22-08 First Solar Plant, Malaysia

First Solar Inc. aims to increase its sales in Asia with the opening of its new assembly plant in Kulim Hi Tech Park, Kedah. Press at: <http://malaysia.news.yahoo.com/bnm/20080722/tbs-kulim-plant-ceeeaba.html> or <http://tinyurl.com/5qzdeu>

First Solar: <http://www.firstsolar.com/>

Kulim Hi-Tech Park: <http://www.khtp.com.my/us/default.htm>

7-22-08 Mitsubishi Electric PV Project for Island Prison, Italy

Mitsubishi Electric has supplied its PV modules to a prison on the island of Gorgona. The PV plant, installed by the prison's inmates, is part of a larger project for protecting the environment by using solar power. Story and photo at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUPR484.htm>

Mitsubishi Electric Italia: <http://www.mitsubishielectric.it/fotovoltaico/>

7-22-08 Hoku Solar and Suntech PV System, Hawaii

Hoku Solar, Inc. and Suntech Power Holdings Co. announced the completion of a 254-kW PV solar power system at the Oahu warehouse and distribution headquarters of Paradise Beverages, Inc.

Press at: <http://www.quamnet.com/newscontent.action?articleId=899964>

Hoku: <http://www.hokuscientific.com/hokusolar.html>

Suntech: <http://www.suntech-power.com/>

7-22-08 PV in Glendale, California

Glendale Water & Power, Glendale Community College, and Chevron Energy Solutions unveiled the largest solar electric project in Glendale, with 872 solar panels, which will help Glendale Water & Power meet its renewable energy target and provide shaded parking at the college campus. Chevron Energy Solutions developed the project and designed and constructed the parking canopy mounted with PV arrays. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1150.htm>

Chevron Energy Solutions: <http://www.chevronenergy.com/>

7-22-08 Solar Loan Law, California

See the story "California adopts innovative solar loan law" at the Los Angeles Times-Environment:

<http://latimesblogs.latimes.com/greenspace/2008/07/california-adop.html> or <http://tinyurl.com/6ee9eh>

7-22-08 Sanyo Hungary Production Capacity

Sanyo Hungary has nearly tripled production capacity at its solar module plant in Dorog. Press at:

http://www.bbj.hu/main/news_41842_sanyo+triples+hungarian+solar-module+capacity.html or

<http://tinyurl.com/5r25bo>

Sanyo Hungary: <http://www.sanyo.hu/>

7-22-08 More on Solutia Inc. Product

See "Solutia hopes for sunny days with solar module product" at:

<http://www.stltoday.com/stltoday/business/stories.nsf/story/BB67454F0F8A2A968625748E000BF8AB?OpenDocument> or <http://tinyurl.com/6jhsaq>

Solutia: <http://www.solutia.com/pages/corporate/>

7-22-08 Gilatz Solar Farm

Gilatz Investments Ltd.'s Spanish subsidiary Gilatz Spain S.L. has won a follow-on contract at its solar farm at the Olmeda power plant in Spain.

Press at: <http://www.globes.co.il/serveen/globes/docview.asp?did=1000364147&fid=1725> or

<http://tinyurl.com/5wjosu>

7-22-08 First Solar at Investor Events

First Solar, Inc. announced that the company's CFO, Jens Meyerhoff, will present to the investment community at 3 conferences in the 3rd quarter, highlighting First Solar's business model, market opportunities and recent financial results.

Press from First Solar: <http://investor.firstsolar.com/releasedetail.cfm?ReleaseID=323713> or <http://tinyurl.com/5coo9x>
<http://www.firstsolar.com/>

7-22-08 Solar Living Institute Training and SolFest

The Solar Living Institute announced that it will host 3 days of professional solar training preceding its 13th annual SolFest celebration in northern California. Information at RenewableEnergyWorld:

<http://www.renewableenergyworld.com/rea/partner/story?cid=1876&id=53115> or <http://tinyurl.com/5rgly4>
Solar Living Institute: <http://www.solarliving.org/>
SolFest XIII: <http://www.solarliving.org/display.asp?catid=17>

7-22-08 Solar Car Race

The 2008 North American Solar Challenge racecars are crossing the finish line in Calgary, Canada.

Story at: <http://www.canada.com/topics/news/national/story.html?id=fc6661ca-8cf8-4126-9f82-5e511b9b0cff> or <http://tinyurl.com/6qmrur>

North American Solar Challenge: <http://www.americansolarchallenge.org/>

In related solar news...

7-22-08 Spain's Solar Incentives

See "New solar thermal plant buoys Spanish investors" at Reuters:

<http://uk.reuters.com/article/environmentNews/idUKL2176096920080722> or <http://tinyurl.com/6bnukg>

7-23-08 More on First Solar Plant, Malaysia

First Solar announced that the first of its 4 solar module manufacturing plants being constructed at the Kulim Hi Tech Park in Kedah was formally inaugurated this week.

Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsASMA178.htm>

PV Tech: http://www.pv-tech.org/fab_and_facilities/article/first_solar_officially_opens_malaysian_plant or <http://tinyurl.com/63wfrn>

The Star: <http://biz.thestar.com.my/news/story.asp?file=/2008/7/23/business/21891189&sec=business> or <http://tinyurl.com/5cju24>

The Edge Daily: http://www.theledgedaily.com/cms/content.jsp?id=com.tms.cms.article.Article_4ee6c250-cb73c03a-9c8c3f00-da9c2700 or <http://tinyurl.com/56y2df>

First Solar: <http://www.firstsolar.com/>

7-23-08 Applied Materials Groundbreaking for Taiwan Manufacturing Center

Applied Materials held a groundbreaking for an expansion project of its Tainan Manufacturing Center.

The expansion will increase the company's ability to meet the demand for both its AKT flat panel display equipment and SunFab™ Thin Film Solar manufacturing equipment. Stories at Solarbuzz:

<http://www.solarbuzz.com/News/NewsASMA177.htm>

DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=000000000000000000000000009112&query=SOLAR> or <http://tinyurl.com/5pu7u9>

PV Tech: http://www.pv-tech.org/fab_and_facilities/article/applied_materials_expands_sunfab_tool_manufacturing_in_taiwan or

<http://tinyurl.com/5gho84>

Applied Materials: <http://www.appliedmaterials.com/>

7-23-08 EDF Energies Nouvelles Building Permits for 2 Solar Power Plants, France

EDF Energies Nouvelles has been awarded building permits for 2 PV plants with a total of 15.3 MWp in capacity in Sainte-Rose, Reunion. Story at Solarbuzz:

<http://www.solarbuzz.com/News/NewsAFPR32.htm>

EDF Energies Nouvelles: <http://www.edf-energies-nouvelles.com/>

7-23-08 Florida Municipal Power Agency Letter of Intent for 10 MW of PV

The Florida Municipal Power Agency has signed a letter of intent with SunEdison for a 20-year power purchase agreement to provide 10 MW of PV capacity at several locations throughout the state.

Stories at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1152.htm>

Cleantech: <http://media.cleantech.com/3147/sunedison-install-10-mw-solar-florida> or <http://tinyurl.com/6y9j25>

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

7-23-08 Phoenix Solar Plant in Greece [Andrea Zepf]

On 23 July, a 944-kW PV power plant built by Phoenix Solar AG was connected to the grid in Pontoiraklia, near Thessaloniki. The owner and initiator of the power plant is SunErgy A.E.

Press at Phoenix Solar:

http://www.phoenixsolar.com/Press/PressReleases/_content/articles/PM_080723.html?uri=/index.html or <http://tinyurl.com/6e2w8c>

SunErgy AE: <http://sunergyweb.eu/>

http://sunergyweb.eu/index_eng.htm

7-23-08 Solar-Fabrik Modules for Solar Installation in Greece

Solar modules manufactured by Solar-Fabrik AG have been installed in 400-kW PV project in Greece. The complete plant was supplied by Yoku Technology GmbH, a business partner of Solar-Fabrik.

Press at Solar-Fabrik: <http://tinyurl.com/622sw4>

<http://www.solar-fabrik.com/konzern-english/solar-fabrik-group/>

Yoku Technology GmbH: <http://www.yoku.de/english/home.html>

7-23-08 Clear Skies Solar Installation at Hawthorne Machinery Headquarters, California

Clear Skies Solar, Inc. announced the successful installation of Hawthorne Machinery's 155.39-kW solar energy system at the company's 25-acre headquarters in Rancho Bernardo, California. Story at:

http://www.businesswire.com/portal/site/google/?ndmViewId=news_view&newsId=20080723005343&new_sLang=en or <http://tinyurl.com/5s8w2v>

Clear Skies Solar: <http://www.clearskiesgroup.com/>

7-23-08 Saharan Solar Farms

See the story "Solar power from Saharan sun could provide Europe's electricity, says EU" at:

<http://www.guardian.co.uk/environment/2008/jul/23/solarpower.windpower> or <http://tinyurl.com/5pmdub>

Additional press: <http://www.businessgreen.com/business-green/news/2222278/eu-african-solar-farms-plan> or <http://tinyurl.com/663ole>

<http://www.timesonline.co.uk/tol/news/environment/article4381687.ece> or <http://tinyurl.com/6aaay5>

7-23-08 Payom Solar Results

Payom Solar AG reported semi-annual figures for 2008.

Press at: <http://www.finanznachrichten.de/nachrichten-2008-07/artikel-11344622.asp> or

<http://tinyurl.com/6bq44n>

Payom Solar AG: <http://www.payom-ag.de/>

7-23-08 Fluorescent Collectors [Rosemarie Becker]

With an electrical efficiency of 6.7%, the Fraunhofer Institute for Solar Energy Systems ISE set a new world record for fluorescent collectors. Colored plates filter out part of the sunlight and redirect it to solar cells mounted on the plate edge.

More in the press at: <http://tinyurl.com/5gsa3c>

Fraunhofer ISE: <http://www.ise.fraunhofer.de/>

7-23-08 Solar EnerTech Conformity with VDE Standards

Solar EnerTech Corp. announced that the company has obtained its VDE Certification. The VDE Mark indicates conformity with the VDE standards or European or internationally harmonized standards and confirms compliance with protective requirements applicable to EC directives.

Press at: <http://tinyurl.com/632zqt>

7-23-08 Solar EnerTech Conformity with VDE Standards - continued

Solar EnerTech Corp: <http://www.solarenerotech.com/>

VDE Certification Marks:

http://www.vde.com/en/Institute/Portfolio/Certification/Pages/VDE_Certification_Marks.aspx or
<http://tinyurl.com/63bmdj>

7-23-08 Solar Incentives, San Francisco, California

See "SolarCity Joins Race for SF Customers" at Greentech Media:

<http://www.greentechmedia.com/articles/solarcity-joins-race-for-sf-customers-1154.html> or
<http://tinyurl.com/5wy8o4>

SolarCity: <http://www.solarcity.com/>

GoSolarSF: http://sfwater.org/detail.cfm/MC_ID/12/MSC_ID/139/MTO_ID/361/C_ID/3910 or
<http://tinyurl.com/6rva6g>

7-23-08 US DOE Solar Program Newsletter

The July 2008 U.S. DOE Solar Energy Technologies Program Newsletter is posted at the website under Quick Links at: <http://www.eere.energy.gov/solar/index.html>

http://www.eere.energy.gov/solar/pdfs/solar_newsletter_july08.pdf

7-23-08 Efficiency Requirements Keep Growing

According to this press at DigiTimes, despite continuing high solar cell average selling prices, the power conversion efficiency requirements for different kinds of solar cells have continued to climb. Press at:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD00000000000000000000000006572&query=SOLAR> or <http://tinyurl.com/6ekulf>

7-23-08 Windowpanes with Integrated PV Cells

Japan's Nihon Telecommunication System has revealed a line of windowpanes with integrated PV cells.

Press at: <http://www.engadget.com/2008/07/23/nihon-windowpanes-feature-built-in-photovoltaic-cells/> or
<http://tinyurl.com/5glz86>

<http://www.geek.com/power-your-cell-phone-or-pc-with-your-windows-20080722/> or

<http://tinyurl.com/59jq69>

<http://www.attheselevels.com/archives/957-Zero-Emissions-House.html> or <http://tinyurl.com/5r3q2b>

7-23-08 Intersolar North America and SEMICON West 2008

See the story "Solar and Semiconductor Industries Come Together In San Francisco" at

RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/story?id=53128>

See also, "Intersolar North America 2008 a huge success, say organizers" at PV Tech: http://www.pv-tech.org/market_watch/article/intersolar_north_america_2008_a_huge_success_say_organizers or
<http://tinyurl.com/5zqqkl>

Greentech Media's "Intersolar 2008 Slideshow" can be found at:

<http://www.greentechmedia.com/articles/intersolar-2008-slideshow-1164.html> or <http://tinyurl.com/6s5aj6>

7-23-08 PV Exhibition and Forum, Shanghai

The 2009 4th AsiaSolar Energy PV Exhibition and Forum is set for 30 March – 1 April in Shanghai.

Information at: <http://www.asiasolarexpo.com/>

7-23-08 OPEL at Growth Conference

Robert Pico, CEO of OPEL will be presenting at the Canaccord Adams' 28th Annual Global Growth Conference on 12 August. Press at:

<http://www.renewableenergyworld.com/rea/partner/story?cid=6643&id=53131> or <http://tinyurl.com/5glppe>

OPEL International Inc.: <http://www.opelinc.com/>

Canaccord Adams: <http://www.canaccordadams.com/aboutus/events.htm>

7-23-08 Congressional Energy Efficiency and Renewable Energy Expo and Forum

The 11th Annual Congressional Energy Efficiency and Renewable Energy Expo and Forum is set for 31 July 2008 in Washington, DC. Information at:

http://www.sustainableenergycoalition.org/latest_news/2008_EERE-EXPO.html or
<http://tinyurl.com/5qg75f>

7-23-08 GT Solar at Opening Bell

Thomas Zarrella, President, CEO and Director of GT Solar International, Inc., will preside over the NASDAQ Opening Bell 24 July. Information at:

http://www.istockanalyst.com/article/viewiStockNews+articleid_2426064&title=GT_Solar_International.html or <http://tinyurl.com/5tmqvp>

7-23-08 Borrego's von Moos Featured

For an interview with Brian von Moos, Director of Business Development at Borrego Solar Systems, at the Wall Street Journal, see:

http://online.wsj.com/article/SB121674755188874123.html?mod=googlenews_wsj or
<http://tinyurl.com/67bpn2>

Borrego Solar: <http://www.borregosolar.com/>

7-23-08 Solar Car Race

The University of Michigan team captured the checkered flag in the North American Solar Challenge.

Press at: <http://www.canada.com/topics/technology/science/story.html?id=12c18c13-c6df-418b-b76d-4aaa37fb2acb> or <http://tinyurl.com/658jkq>

SolarWorld Press on SolarWorld No. 1 Racer: <http://tinyurl.com/6b3zdn>

<http://www.solarworldno1.de/>

North American Solar Challenge: <http://www.americansolarchallenge.org/>

In related solar news...

7-23-08 Large-scale Solar Power Facilities

See the story "Large-Scale U.S. Solar Power Facilities Becoming Commonplace" in the latest issue of

EERE Network News [Kevin Eber] at: http://www.eere.energy.gov/news/enn.cfm#id_11884
<http://www.eere.energy.gov/news/enn.cfm>

7-23-08 Florida Governor Crist Seminole Solar Deal

On the last day of his European trade mission, Governor Crist toured Spain's largest solar power plants and announced that the manufacturer, Renovalia, has signed a non-binding agreement with Seminole Electric in Tampa to build a thermoelectric plant. Press at:

<http://miamiherald.typepad.com/nakedpolitics/2008/07/crist-announces.html> or <http://tinyurl.com/6aaog8>

Renovalia Energy: <http://www.renovaliaenergy.es/>

7-24-08 Next Generation Dye Sensitive and Organic PV

Organic and hybrid dye-sensitized thin-film PV cells are attracting growing interest and investment. See Part 1 of the story at RenewableEnergyWorld:

<http://www.renewableenergyworld.com/rea/news/story?id=53133>

7-24-08 First Solar for Sempra's 10-MW PV Project, Nevada

Sempra Generation announced the development of the company's first solar energy project, a 10-MW PV power generation facility adjacent to the company's existing El Dorado Energy power plant near Boulder City, Nevada. First Solar announced that it will build the 10-MW PV power plant for Sempra Generation.

First Solar will design, engineer and construct the turnkey PV power plant and will provide monitoring and maintenance services for the plant over its lifetime. Stories at: <http://tinyurl.com/5r2avv>

<http://www.centredaily.com/business/technology/story/732973.html>

http://www.pv-tech.org/fab_and_facilities/article/first_solar_wins_10mw_turnkey_installation_in_us or

<http://tinyurl.com/593wpx>

Sempra Energy: <http://www.sempra.com/>

First Solar: <http://www.firstsolar.com/>

7-24-08 Phoenix Solar Framework Agreement with Solyndra [Anka Leiner]

Phoenix Solar AG signed a framework supply contract with Solyndra Inc. with a volume of about 450 million Euros comprising delivery of thin-film solar modules between 2008 and 2012. Press at: http://www.phoenixsolar.com/Press/PressReleases/_content/articles/PM_080724.html?uri=/index.html or <http://tinyurl.com/5gv8om>

Phoenix Solar: <http://www.phoenixsolar.com/>

Solyndra: <http://www.solyndra.com/>

7-24-08 Evolution Solar Terms of Delivery for 600-kW Solar Array

Evolution Solar Corp has furnished the terms of delivery for installation of a 600-kW solar array to an Accredited Energy Services Company. The array is part of a larger project estimated to be in excess of \$20 million. Press at: <http://www.centredaily.com/business/technology/story/732979.html>

Evolution Solar: <http://www.evolutionssolar.com/>

7-24-08 SolarCity PV System for British Motor Car Distributors, California

SolarCity announced it has completed a 287-kW PV installation in San Francisco for British Motor Car Distributors, Inc. Press and photo at: <http://tinyurl.com/5u2o85>

SolarCity: <http://www.solarcity.com/>

7-24-08 More on GT Solar International's IPO

For more on GT Solar's IPO, see Solarbuzz at: <http://www.solarbuzz.com/News/NewsNACO797.htm> and <http://tinyurl.com/5r4k6c> and additional subsequent press releases

GT Solar: <http://www.gtsolar.com/>

7-24-08 Trina Solar Closing of Concurrent Offerings

Trina Solar Limited announced the closing of its public offerings of \$138 million of convertible senior notes and 4,073,194 borrowed American Depositary Shares. Press at:

<http://biz.yahoo.com/prnews/080724/cnth028.html?.v=29>

Trina Solar: <http://www.trinasolar.com/front/en/home.php>

7-24-08 Xantrex Negotiations

Xantrex Technology announced that it is in exclusive negotiations with respect to the sale of the company. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsNACO796.htm>

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

<http://www.xantrex.com/web/did/1855/readnews.asp>

7-24-08 Gas Technology for Solar

See the story "Could Gas Tech Cut Solar Costs" featuring Linde Electronics at Greentech Media:

<http://www.greentechmedia.com/articles/could-gas-tech-cut-solar-costs-1167.html> or

<http://tinyurl.com/5se44j>

Linde: <http://linde-electronics.com/>

7-24-08 U.S. Utilities with Most Solar Integration [Solar Electric Power Association]

SEPA announced the Top Ten rankings that reveal which utilities in the U.S. had the most solar electricity integrated into their energy mix as of the end of 2007. Press at SEPA: <http://www.solarelectricpower.org/>

<http://www.solarelectricpower.org/docs/Top%2010%20Rankings%20Press%20Release.pdf> or

<http://tinyurl.com/6mgcyh>

Related press from PSE:

http://www.businesswire.com/portal/site/google/?ndmViewId=news_view&newsId=20080724005208&new_sLang=en or <http://tinyurl.com/5lu963>

Related press from Tucson Electric Power: <http://tinyurl.com/5djkyg>

7-24-08 ACORE Renewable Energy Communications and Policy Program

The American Council On Renewable Energy (ACORE) has launched the Renewable Energy Communications and Policy Program (RECAP) aimed at communications and data development for policy makers, media and thought leaders to promote all renewable energy opinions and to talk about their significant role in the U.S. economy. See the Website at:

<http://www.acore.org/RECAP/?contactID=61279214>

7-24-08 Interstate Renewable Energy Council State & Stakeholder Newsletter [Jane Pulaski]

The latest issue of IREC's State & Stakeholder Newsletter with state news, the interview of the week, current and best practices, grants/RFPs, events and other news items, is available at:

<http://www.irecusa.org/index.php?id=11>

7-24-08 Renewable-based Energy Secure Communities

The California Energy Commission's PIER Renewables Program staff will hold information exchange workshops to obtain input and comments on ongoing activities and interests concerning Renewable-based Energy Secure Communities (RESCO). Information at:

<http://www.energy.ca.gov/research/notices/index.html>

7-24-08 RenewableEnergyWorld Podcast, Web 2.0 Concepts

The latest Podcast from RenewableEnergyWorld covers "Web 2.0" concepts, with input from Sungevity, Fat Spaniel Technologies, GoGreenSolar, RenewablePost, Greener World Media and others. See:

<http://www.renewableenergyworld.com/rea/news/podcast?id=53132>

Web 2.0: http://en.wikipedia.org/wiki/Web_2.0

7-24-08 ZBB Energy MOU with Envision Solar

ZBB Energy Corporation announced that it has executed an MOU with Envision Solar International to provide energy storage systems as part of the "LifeVillage™" solar project in Cote d'Ivoire on the west coast of Africa. Story at: <http://biz.yahoo.com/prnews/080724/aqth506.html?v=14>

ZBB Energy Corporation: <http://www.zbbenergy.com/>

Envision Solar: <http://www.envisionsolar.com/>

7-24-08 CPV Investment & Finance Summit USA [Joshua Bull]

The super early bird discount for the CPV Investment & Finance Summit USA, 2-3 October in San Francisco, California, ends 25 July at midnight. Information on the Summit at:

<http://www.csptoday.com/usafinance/>

<http://www.csptoday.com/usafinance/speakers.shtml>

7-24-08 Optoelectronics for the Green Revolution [Eric Wesoff]

Optoelectronics for the Green Revolution, OIDA's green photonics forum, is set for 9-10 September 2008 in Lakewood, Colorado. Information at: <http://www.oida.org/events/greenlight08>

7-25-08 SunPower Acquisition of Solar Sales Pty. Ltd.

SunPower Corporation has completed the acquisition of Solar Sales Pty. Ltd., extending its global presence into the Australian solar market. Story at Solarbuzz:

<http://www.solarbuzz.com/News/NewsASCO302.htm>

SunPower: <http://www.sunpowercorp.com/>

Solar Sales: <http://www.solarsales.com.au/>

7-25-08 Polysilicon Production, Inner Mongolia

Huhehaote, Inner Mongolia, is being regarded as a city that may be ideal for polysilicon and solar wafer production, as evidenced by the number of PV industry players locating their production in the region.

Story at DigiTimes:

[http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD000000000000000000000000006607](http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD000000000000000000000000006607&query=SOLAR)
&query=SOLAR or <http://tinyurl.com/662x8k>

7-25-08 Status and Challenges of the CPV Industry [Susan Moon]

NREL has published a new report, Opportunities and Challenges for Development of a Mature Concentrating Photovoltaic Power Industry. The report describes the status of the CPV industry and the challenges that must be met for this industry to achieve maturity.

Report at: <http://www.nrel.gov/pv/publications.html>

(see Kurtz) PDF: <http://www.nrel.gov/pv/pdfs/43208.pdf>

7-25-08 LDK Solar Contract with JYT Corporation

LDK Solar Co., Ltd announced that it has signed a contract to purchase production equipment from China-based JYT Corporation. Story at: <http://tinyurl.com/5l6h2n>

LDK: <http://www.ldksolar.com/>

7-25-08 ATEL Equipment Lease Financing for SiXtron

ATEL Ventures announced they have committed \$2 million in equipment lease financing to SiXtron Advanced Materials, which has developed a new process method for the anti-reflection coating used in silicon solar cell manufacturing. Press at: <http://tinyurl.com/636h64>

ATEL: <http://www.atel.com/ventures/>

SiXtron: <http://www.sixtron.com/>

7-25-08 Air Liquide Agreement with Renewable Energy Corporation

Air Liquide has signed a new long-term supply agreement with Renewable Energy Corporation.

Press at: <http://tinyurl.com/57vl73>

Air Liquide: <http://www.airliquide.com/>

7-25-08 Toppan Printing Teaming with DuPont

Toppan Printing Co. said it has teamed up with DuPont to develop new mass production technology for solar cell back sheets. Press at: http://japancorp.net/Article.Asp?Art_ID=19147

Toppan: <http://www.toppan.co.jp/english/>

7-25-08 Solar Manufacturing in Oregon

According to this press, state economic officials are racing to match the Hynix Semiconductor plant, when it closes, with one of several companies considering solar manufacturing in Oregon. Press at:

http://www.oregonlive.com/business/index.ssf/2008/07/oregon_officials_envision_sola.html or

<http://tinyurl.com/6z3fam>

7-25-08 More on California's Solar Loan Program

See the story "California Cities to Offer Solar Loan Program" at Greentech Media:

<http://www.greentechmedia.com/articles/california-cities-to-offer-solar-loan-program-1170.html> or

<http://tinyurl.com/5lr4sl>

7-25-08 More on Utilities Integration of Solar, SEPA Report

The Solar Electric Power Association announced the Top Ten rankings that reveal which utilities in the U.S. had the most solar electricity integrated into their energy mix as of the end of 2007.

Press and links to report at: <http://www.solarelectricpower.org/>

Additional press:

"California utilities lead in solar energy, report says":

http://news.yahoo.com/s/cnet/20080725/tc_cnet/8301111283999882354_1 or <http://tinyurl.com/68fcwv>

"Xcel Energy among solar-leading utilities": <http://www.rockymountainnews.com/news/2008/jul/24/xcel-energy-among-solar-leading-utilities/> or <http://tinyurl.com/5ubrq7>

"Xcel ranks No. 5 in solar electricity":

http://www.bizjournals.com/denver/stories/2008/07/21/daily35.html?ana=from_rss or

<http://tinyurl.com/59yrdj>

"Arizona's big utilities rank high in solar use":

<http://www.azcentral.com/business/articles/2008/07/24/20080724biz-talker0725-ON.html> or

<http://tinyurl.com/5kvr6h>

7-25-08 Suntech Featured

See the story "Bright future for China's solar billionaire" featuring Shi Zhengrong, Suntech, at: <http://www.guardian.co.uk/global/2008/jul/25/solarpower.alternativeenergy> or <http://tinyurl.com/55mdef>
Suntech: <http://phx.corporate-ir.net/phoenix.zhtml?c=192654&p=irol-govBio&ID=144172> or <http://tinyurl.com/56ltoI>

7-25-08 More on Building Integrated PV Report

The market for PV solar power integrated into buildings will grow 15-fold in the next 7 years according to a report from NanoMarkets. See additional coverage of the report at Business Green: <http://www.businessgreen.com/business-green/news/2222551/building-integrated-solar> or <http://tinyurl.com/6f3gw2>
NanoMarkets: http://www.nanomarkets.net/news/pr_detail.cfm?PRID=295

7-25-08 More on Report, Solar Development Strategies in Europe 2008-2020

For additional information on the study "Solar PV Development Strategies in Europe, 2008-2020" by Emerging Energy Research, see coverage at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/partner/story?cid=3546&id=53143> or <http://tinyurl.com/5lrv6g>
Emerging Energy Research: <http://www.emerging-energy.com/>

7-25-08 RETECH 2009

The Renewable Energy Technology Conference & Exhibition, RETECH 2009, is set for 25-27 February 2009 in Las Vegas, Nevada. Information at: <http://www.retech2009.com/>