



Construction of NREL's Science and Technology Facility is expected to be substantially complete in May.

Construction of Newest Research Facility Almost Complete

The U.S. Department of Energy's National Renewable Energy Laboratory's newest research laboratory, the Science and Technology Facility (ST&F), is expected to be substantially complete by the end of May. Substantial completion allows NREL's Site Operations Office to begin moving employees and laboratory equipment into the new building. Employees are expected to begin occupying the building in June.

Reclamation of the construction site has begun and community members will notice a reduction in construction traffic onsite. The S&TF contractor, M.A. Mortenson, will install a temporary sprinkler system to promote growth of native grasses and trees being planted. Once the landscaping has been established, the sprinkler system will be removed.

A ribbon cutting ceremony will be held this summer to celebrate the completion of the building. The S&TF will support accelerated research into manufacturing processes for technologies highlighted by President George W. Bush in his Advanced Energy Initiative, including the development of next generation solar energy technologies and hydrogen and fuel cells.

For more information and construction updates, call 303-275-4087 or visit www.nrel.gov/facilities/stf.

NREL to Host Smart Energy Living® Expo

NREL's Visitors Center will host the Smart Energy Living® Expo from 9 a.m. - 3 p.m. on Saturday, June 10.

The Expo will offer consumers the opportunity to investigate renewable energy and energy efficient technologies for their homes and will feature family-friendly activities, workshops and tours.

The event is hosted by NREL in collaboration with the Colorado Energy Science Center (CESC), the Colorado Renewable Energy Society (CRES), the Million Solar Roofs Initiative, the Colorado Office of Energy Management and Conservation, and the Scientific and Cultural Facilities District.

Children are invited to meet the Energy Hog and visit his traveling road show at the Smart Energy Living® Children's Center. Event admission is free.

Workshops taught by Colorado's leading renewable energy experts will be offered throughout the day. Topics include the basics of energy efficiency, quality central air conditioning and how to get rebates for new solar systems. Workshop admission is \$4 per session or three sessions for \$10 payable by Visa, MasterCard, check or cash to CESC.

Continued on Page Two

Smart Energy Living® Expo Workshop Schedule – June 10

Workshops will be held every hour in the NREL Visitors Center Auditorium.

Fee: \$4 per session or three sessions for \$10

(Colorado Energy Science Center/Colorado Renewable Energy Society members, \$3 per session or three sessions for \$8)

- 9 a.m. Is Your Home an Energy Hog?
- 10 a.m. Yes, It's Possible to Drop Your Natural Gas Use by 90% in January
- 11 a.m. Are You Paying Too Much to Stay Cool?
- Noon Efficient Cooling, ENERGY STAR® and Your Home
- 1 p.m. The Homeowners Guide to Renewable Energy:
Achieving Energy Independence through Solar, Wind, Biomass, and Hydropower
- 2 p.m. How to Get Thousands of Dollars in Rebates for Your New Solar System

NREL Contact: If you have any questions about NREL's activities, contact Kerry Masson, Director, Public Relations Office at 303-275-4083.

National Renewable Energy Laboratory
1617 Cole Boulevard, Golden, CO 80401 (303) 275-3000 • www.nrel.gov

Smart Energy Living® Expo continued

Dan Chiras, author of “The Homeowners Guide to Renewable Energy: Achieving Energy Independence through Solar, Wind, Biomass and Hydropower,” will deliver a one-hour keynote presentation on solar energy and residential green building.

The NREL Visitors Center is located at 15013 Denver West Parkway in Golden. Event parking will be available at the Building 26 parking lot, just west of the Denver West Marriott. Shuttle service to the Visitors Center will be provided.

New Program Themes at NREL’s Visitors Center

This summer, the NREL Visitors Center will showcase various renewable energy and energy efficiency technologies to interested consumers.

May is “Advanced Vehicle Technologies” month and the community is invited to explore the Visitors Center exhibit hall and learn about the evolution of personal transportation and the future of advanced vehicle technologies.

NREL’s Andrew Simpson will discuss plug-in hybrid-electric vehicles from Noon until 1 p.m. on May 22 in the Visitors Center auditorium. This talk is part of the NREL Visitors Center Power Lunch Seminar Series and is free to the public.

Related literature is available in the Public Reading Room and visitors can browse DOE and NREL Web sites at a designated work station for additional information.

Future topics include “Smart Energy Living” in June, “All You Want to Know about Solar Energy” in July and August and “All You Want to Know about Biomass” during September and October.

Call 303-384-6565 or visit www.nrel.gov/visitors_center for more information.

New Additions to the NREL Visitors Center Exhibit Hall

Did you know enough sunlight strikes the Earth each hour to meet the world energy needs for an entire year? Did you know hydrogen is the simplest and most abundant element on Earth?

Rediscover the NREL Visitors Center Exhibit Hall to find out how to capture the power of the sun and how hydrogen is produced through two new interactive exhibits.

The solar-electric exhibit features information on an array of solar technologies including thin film solar cells, high-efficiency solar cells and solar concentrators. A new hydrogen fuel cell exhibit explains the basics of hydrogen, how it is produced and stored and what role the sun, wood residue and other biomass sources have in the clean production of this abundant source of energy.

The NREL Visitors Center is open Monday through Friday, 9 a.m. – 5 p.m. Call 303-384-6565 or visit www.nrel.gov/visitors_center for additional information and updates.



The new solar-electric exhibit details different types of solar cells.

Printed on paper containing 100% post consumer waste.

**POSTAL CUSTOMER
ECRWSS**

COMMUNITY NEWS

PRSR STD
US POSTAGE
PAID
GOLDEN CO
PERMIT NO. 258

U.S. Department of Energy
National Renewable Energy Laboratory
1617 Cole Blvd.
Golden, CO 80401