

HOTLINE

The Princeton Plasma Physics Laboratory is a United States Department of Energy Facility

Becoming an **ENERGY STAR**[®] Partner

Earth Week Marks PPPL Designation



U.S. Environmental Protection Agency Deputy Administrator Marcus Peacock (right) congratulates PPPL Director Rob Goldston on PPPL being designated as an ENERGY STAR[®] partner during PPPL's Earth Day celebration.

Energy efficiency matters! That was the Earth Day message demonstrated April 22 at PPPL, as it was welcomed as an ENERGY STAR[®] partner by the DOE and the U.S. Environmental Protection Agency (EPA). DOE and EPA officials made the announcement during a special Earth Day celebration at PPPL in the Auditorium. ENERGY STAR[®] partners are facilities that take action to improve energy efficiency, protect the environment and reduce greenhouse gases.

“Princeton’s designation as the first Department of Energy facility to become an ENERGY STAR[®] partner highlights the

Laboratory’s commitment to reducing its footprint on the environment through increased energy efficiency and reducing greenhouse gas emissions while conducting cutting edge research,” said DOE Under Secretary for Science Dr. Raymond L. Orbach in a statement. “The Laboratory, as part of an overall Department of Energy initiative, is also focusing on increasing use of renewable energy, reducing water use and implementing sustainable design into its operations. Princeton Plasma Physics Laboratory is a model for all Department of Energy facilities.”

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EPA Deputy Administrator Marcus Peacock recognized the Laboratory for its commitment to sound energy management through investments in energy efficient lighting, energy management systems, and energy benchmarking in facilities and operations.

“What better day than Earth Day to recognize a facility that is helping EPA achieve our environmental protection goals through a promising partnership,” said Peacock. “We are encouraged to see the Princeton Plasma Physics Lab, a distinguished member of the scientific community, serve as a model to other organizations, proving you can conduct outstanding scientific research while saving energy and money. PPPL’s pioneering fusion research has the potential to dramatically improve America’s energy security while significantly reducing air pollution and emissions of greenhouse gases.” Peacock joined DOE Princeton Site Office Manager Jerry Faul in announcing the partnership at PPPL’s Earth Day celebration on April 22.

In partnership with ENERGY STAR®, PPPL will measure and track the energy performance of the organization’s facilities and operations by using tools offered through the program. PPPL will also develop and implement a plan consistent with the ENERGY STAR® energy management strategy to achieve energy savings and promote the importance of energy efficiency to its staff and community.

In addition to the ENERGY STAR® partnership announcement, PPPL’s Earth Day events included remarks by DOE-Princeton Site Office Manager Jerry Faul and EPA’s Alan Steinberg, a presentation about the Lab’s energy and environmental performance by PPPL Materiel and Environmental Services Division Head Rob Sheneman, and the presentation of 2008 PPPL Green Machine awards to employees who have made a special effort to save energy, reduce waste and improve PPPL’s environmental performance.

Faul read a congratulatory letter to staff from DOE Under Secretary for Science Orbach, which also noted two awards bestowed on PPPL.

PPPL has received the DOE Office of Science Pollution Prevention (P2) Star Award for “Outstanding Recycling in FY07” and a DOE Office of Science Honorable Mention award for the Laboratory’s Compressed Natural Gas and B20 Program.



PPPL Materiel and Environmental Services Division Head Rob Sheneman gives a presentation about the Lab’s energy and environmental performance during Earth Day.

Said Sheneman, “In celebrating Earth Day we are also celebrating the Laboratory’s success in improving our environmental performance. The commitment of PPPL’s staff is reflected in our selection for two prestigious pollution prevention awards and our partnership with ENERGY STAR®. PPPL is clearly a leader among DOE facilities in the area of environmental stewardship and sustainability.”

The day also featured environmental and recycling displays in the Lobby by the Geophysical Fluid Dynamics Laboratory, the Mercer County Improvement Authority, Corporate Express Office Supply, and PPPL. The Lab’s exhibits were about its recycling program, alternate fuel vehicles program, environmentally preferred purchases, water conservation, sustainable landscaping, and energy conservation. Outside were hybrid cars and fuel efficient cars, as well as PPPL’s alternative fuel vehicles and biogators.

Earth Day activities, headed by T.J. McGeachen and Margaret King, are coordinated through the Lab’s Materiel and Environmental Services and Maintenance and Operations groups.

ENERGY STAR® was introduced by EPA in 1992 as a voluntary, market-based partnership to reduce greenhouse gas emissions through energy efficiency. Now in partnership with DOE, EPA works with more than 8,000 organizations to improve the energy efficiency of products, homes and businesses. The ENERGY STAR® label appears on more than 40 kinds of consumer products. To learn more about ENERGY STAR®, visit EnergyStar.gov or call 1-888-STAR-YES.

Peacock concluded his remarks to PPPL staff by saying, “With your addition, Energy Star will shine brighter and brighter ...Happy Earth Day.” ●



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At the LTX assembly room are, from left, graduate student Dan Lundberg, PPPL Director Rob Goldston, graduate student Laura Berzak, EPA's Jennifer May, and EPA Deputy Administrator Marcus Peacock.



At the Magnetic Reconnection Experiment, PPPL physicist Hantao Ji (right) discusses the experiment with EPA's Marcus Peacock (next to Ji) and Alan Steinberg.



PPPL staff and visitors look at an electrical powered utility cart made by Global Electric Motor Cars outside the LSB during Earth Day.



Above, the 2008 PPPL Green Machine recipients, along with Lab and federal officials, are, from left: Jim Conover, Phil Heitzenroeder, Marianne Tyrrell, Jim McGuire, Fran Cargill, Dick DeBonis, Marisol Rivas, Art Wise, Ray Camp, Ninaad Desai, John Lacenere, Ray Whitley, T.J. Levis, Tim Conwell, EPA Deputy Administrator Marcus Peacock, EPA Region 2 Administrator Alan Steinberg, PPPL Director Rob Goldston, and DOE-Princeton Site Office Manager Jerry Faul. Award recipients not shown are Chris Minervini, Matt Lawson, Van Beutell, Rudy Colleton, Tirone Cruze, Yashida Morris, John Jenner, and Larry Jones.



At the National Spherical Torus Experiment Control Room, PPPL physicist Ron Bell (at computer screen) discusses the newest NSTX spectroscopic diagnostic with (from left) PPPL Director Rob Goldston, EPA's Marcus Peacock and Alan Steinberg. Behind them are PPPL's Rob Sheneman with EPA's Cosmo Servidio and Bonnie Bellow.

Cafeteria's Green Efforts Earn Crew a Green Machine Award



The Cafeteria group received a Green Machine award for its recycling efforts. From left are manager Van Beutell, Tirone Cruz, and Rudy Colleton. Not shown is Yashida Morris. Inset is the ENERGY STAR® rated dishwasher recently purchased for the Cafeteria, which the group had proposed.

There's more "green" in the Cafeteria than the produce, thanks to the recycling and environmental efforts of the Cafeteria staff, headed by manager Van Beutell. In recognition of these efforts, the staff was among honorees receiving the 2008 PPPL Green Machine awards during the Lab's Earth Day activities on April 22. The crew was noted for replacing all Styrofoam® goods with paper products made from recycled paper and for operating the Cafeteria in an energy-efficient manner.

During the past year, the Cafeteria staff accomplished the following:

- Used less energy in the kitchen by turning off cooking equipment when finished cooking and the meal was prepared.
- Switched to the coffee cups and clutches made from recycled paper for our coffee; the Cafeteria now uses a carryout tray that is made entirely of recycled paper.
- The crew diligently recycles all of its cardboard and plastic and metal containers, without exception.
- The Cafeteria continues to seek out new ways to introduce recycled products in place of existing non-recyclable plastic and paper wares.
- The manager and staff introduced the idea of installing a new ENERGY STAR® dishwasher in place of the existing obsolete one and provided information to the Lab personnel, who have now approved the purchase of a dishwasher that will use far less energy and waste far less fresh water.
- The Cafeteria uses non-phosphate soaps, recycles its cooking wares as much as possible and uses less plastic and paper products than it has in the recent past.

The PPPL Cafeteria contractor is Whitsons Culinary Group. Congratulations, Van and Cafeteria staff! ●

Photos by John Bennevich



PPPL's T.J. McGeachen (left photo in gray shirt) discusses the Laboratory's sustainability efforts with visitors at the Mercer County Improvement Authority's Earth Week event April 19 at Mercer County Park's ice skating rink. Other Lab volunteers at the PPPL "green" exhibit included John Bennevich, Joanne Bianco, Virginia Finley, and Margaret Kevin-King (below).

