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Green Power Switch is a renewable energy initiative that offers consumers in the Tennessee Valley a choice in the type of power they buy. TVA and local public power companies, working in cooperation with the environmental community, developed Green Power Switch as a way to bring green power—electricity that's generated by clean, renewable resources like solar, wind, and methane gas—to Valley consumers.

Green Power Switch is sold to residential consumers in 150-kilowatt-hour blocks (about 12 percent of a typical household's monthly energy use). Each block adds \$4 to the customer's monthly power bill.

For more information, visit www.greenpowerswitch.com.

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Green Power Switch®

Wind turbines dedicated



OLIVER SPRINGS, Tenn.—The 15 new turbines at TVA's expanded wind power site were dedicated in an Earth Day ceremony April 22. Officials from TVA and Invenergy LLC, a Chicago-based energy development company, participated, along with state and local officials and representatives from the Southern Alliance for Clean Energy and the U.S. Department of Energy.

"The Buffalo Mountain wind farm has been expanded because of increased demand for renewable energy by Valley consumers, and it clears the way for TVA and distributors of TVA power to offer Green Power Switch to more people,"

Officials cut a ceremonial ribbon at the base of one of 15 new wind turbines now generating green power on Buffalo Mountain. Clockwise, left to right, are W. Dwight Bailey, Project Officer for Technology Deployment and Outreach, DOE Southeast Regional Office; State Representative Jim Hackworth; Michael Polsky, President of Invenergy LLC; TVA Director Skila Harris; Stephen Smith, President of the Southern Alliance for Clean Energy; and Jim Keiffer, Senior Vice President of TVA Marketing.

said TVA Director Skila Harris. "When they choose renewable energy through Green Power Switch, consumers in the TVA region are helping sustain resources for future generations."

We would like to thank all the current participants in the Green Power Switch program. We could not make this program work without you and your commitment. You are making renewable energy a way of life!

Comments or suggestions? Let us hear from you!

We'd like to know if you're satisfied with our newsletter, and we're interested in what you'd like to read in future issues. So e-mail us your comments today.

Please recycle this newsletter by passing it on to a friend. Thanks for your help and your interest!

—Jim West

Senior Manager

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Wind work is a winner

Rick Carson of TVA's Research and Technology Applications has been honored with the 2005 Regional Wind Powering America Award for his leadership in the development of wind energy in the Southeast. Wind Powering America is a program led by the U.S. Department of Energy to promote wind-energy development through outreach and support projects.

Carson, who has been actively involved in establishing TVA's wind energy program at Buffalo Mountain in east Tennessee, has conducted wind monitoring, tall-tower testing, and turbine-verification testing for the U.S. Department of Energy. He has also supported Appalachian State University in field-testing small wind turbines and in outreach activities.

Carson also received the Trailblazer Award at the 2005 Southeast Green Energy Summit May 2-4 in Orlando, Florida. The award recognizes outstanding contributions by an individual in helping to promote growth in the green power and renewable energy industry in the Southeast.

Tennessee state parks go green

NASHVILLE—Tennessee will become one of the first states in the nation to purchase green power for all of its state parks where the renewable option is available, Governor Phil Bredesen announced on Earth Day. "There's no better day than Earth Day to focus on the benefits of increased use of renewable energy sources," Bredesen said at an event at Bicentennial Mall State Park in Nashville. Forty-four of Tennessee's 54 state parks will have access to green power through TVA's Green Power Switch program and will purchase a combined total of 1,149 blocks each month.



The state parks' purchase is equivalent to the environmental benefits of planting 418 acres of trees, recycling 8.8 million aluminum cans, recycling more than a million pounds of newspaper, or removing 270 cars from Tennessee highways. "This announcement demonstrates the environmental leadership of our state parks system and our commitment to supporting greater

utilization of renewable-energy sources," Bredesen said. "Reducing traditional power production through the increased use of green power lessens impacts on the environment, which is especially important to help improve air quality in Tennessee."

The state of Tennessee currently buys green power for the executive residence and state buildings in downtown Nashville. TVA Senior Vice President of Marketing Jim Keiffer noted that Tennessee is home to several of TVA's innovative renewable-energy generation resources for Green Power Switch, including Buffalo Mountain Wind Park and 10 of 16 solar-generating sites. TVA also operates a methane co-firing project at Allen Fossil Plant in Memphis. Keiffer said Tennessee's investment in Green Power Switch will be an asset for all Tennesseans and will help ensure that the state remains a beautiful place to live, work, and play for generations to come.

Memphis utility now offers GPS

Environmentally conscious Memphis Light, Gas and Water Division customers can now choose to purchase power generated from renewable energy resources like wind, solar, and methane gas. MLGW joins 79 other utilities in offering TVA's Green Power Switch option to its customers.

The launch of the green power program began on April 20 with the dedication of the solar panel array at the headquarters building of Bridges, a youth leadership training organization. The Bridges building is the only structure in Memphis to generate solar power under the Green Power Switch Generation Partners program. The panels use sunlight to produce electricity, which is added to the TVA power grid.



The solar generating site at the new Bridges USA facility in Memphis was dedicated on April 20. Joining in for the ribbon cutting were, left to right, James Boyd, President of Bridges USA; Becky Wilson, Bridges USA board member; Jim Keiffer, Senior Vice President, TVA Marketing; Joseph Lee III, President and CEO of Memphis Light, Gas and Water Division; Chris Bieber, Vice President of Engineering at MLGW; and Gary Harris, General Manager, TVA Western District.

EPB employees, students work to beautify school grounds

CHATTANOOGA—EPB employees celebrated Earth Day by working with the students and faculties of Brainerd High School and Orchard Knob Middle School to plant shrubs and flowers at the schools' front entrances. The plantings took place over four days, culminating on Friday, April 22.

"This is our second consecutive Earth Day service project with Brainerd High School and Orchard Knob Middle School," said Hosea Pierce, EPB's Community Relations Specialist. "EPB is very proud of its longstanding partnership with the schools, and we continue to be impressed by the students' enthusiasm for volunteerism."

Last year, EPB employees and students planted trees at each of the schools. The project enabled EPB tree experts to educate the students about the importance of trees to the environment and teach them which trees were suitable for planting near power lines.



Ecology students from Brainerd High School assist EPB employee Todd Edwards (far right) in preparing soil to plant shrubs and perennials at the school's entrance.

Generation update

Generation March 1, 2005 - May 31, 2005

Solar*	131,790 kWh
Wind	10,765,199 kWh
Methane	13,084,177 kWh

Total Green Power Switch generation

23,981,165 kWh

*For a complete listing of solar sites and their daily output, please visit www.greenpowerswitch.com.

Participation update

Total number of green power blocks subscribed	24,030
Number of green power blocks subscribed since March 1, 2005	2,923
Number of residential customers subscribing	7,652
Average number of green power blocks per residential customer	1.8
Number of business customers subscribing	398

For a list of participating business customers and monthly updates of generation figures, please visit www.greenpowerswitch.com.

Business Highlights

KNOXVILLE—The General Services Administration (GSA) is now purchasing Green Power Switch for the Howard H. Baker Jr. United States Courthouse and the John J. Duncan Federal Building. In addition to its purchase of 110 blocks of green power, GSA has made both buildings more environmentally friendly and cost-efficient for taxpayers. By installing new energy management systems, lighting retrofits, waterless urinals, and many other modifications, GSA has significantly reduced its energy use.

BRISTOL, Tenn.—GlaxoSmithKline (GSK) has become a member of the Green Power Switch program, purchasing enough renewable electric energy to equal the environmental benefit of removing 65 cars from the road or planting 100 acres of trees, according to Bristol Tennessee Electric System. GSK will purchase 41,250 kilowatt-hours, or 275 blocks, of Green Power Switch each month.



Melvin Collins of Nashville Electric Service assists a consumer with information about Green Power Switch during Earth Day festivities at Centennial Park in Nashville. Despite the rainy, windy weather, several hundred people ventured out to the park to enjoy a day of free music, food, and informational exhibits.

Students energized for action

Students from over 30 universities in eight states attended the 2005 Southeast Student Clean Energy Conference at the University of Tennessee. The conference, in its second year, allowed participants to network with other student activists and learn about the latest issues surrounding renewable energy.

The students held a press conference in front of the University of Tennessee's recently installed demonstration wind turbine and solar array and then traveled to Buffalo Mountain to visit the TVA wind power site. The conference opener included a presentation by Christian Turner, the United Kingdom's First Secretary on Energy and the Environment, and a screening of the documentary film *Kilowatt Our*. The film's producer, Jeff Barrie, led a discussion after the film.

Representatives from the Southern Alliance for Clean Energy, Sierra Club, American Lung Association, Oak



Ridge National Laboratory, Department of Energy, and others participated in the conference sessions. The students devised strategies to promote clean energy use in their communities and created a working group of nearly 300 activists who will carry out these projects.

For more information about the student network, contact Nick Algee at Nick@cleanenergy.org.

www.greenpowerswitch.com

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