Comments? Suggestions?

Let us hear from you!

Green Power Switch News is interested in knowing what you'd like to read in future issues of our quarterly newsletter. Please write to us at the address below, or send an e-mail message to greenpowerswitch@tva.com.

If you would like to help us save paper by reading this newsletter online (it's available on the Web at www.greenpowerswitch.com), we'll be happy to notify you by e-mail when future issues are published.

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Green Power Switch® News

VOLUME 1, NO. 3 FALL 2001

Inside . . .

Green Power Switch News *is produced cooperatively by the Tennessee Valley Authority, distributors of TVA power, and the environmental community to provide information about the status and growth of Green Power Switch—a renewable energy option.*

Green Power Switch News *is available electronically, or in print form to Green Power Switch subscribers upon request. For more information, visit the Green Power Switch Web site at www.greenpowerswitch.com, or contact your local public power company.*

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Green Power Switch®

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Green Power Switch gets the green light to use methane gas

To address the unexpected delay in delivery of landfill gas generation for Green Power Switch and move ahead with program expansion efforts, TVA is adding a new Green Power Switch generation resource.

Construction setbacks at the Middle Point landfill site in Murfreesboro, Tennessee, have created a shortage in the amount of Green Power Switch supply that is now available. To address the supply shortage, the Green Power Switch program will include the co-firing of a methane waste by-product from the City of Memphis's wastewater treatment facility. The co-firing will take place at Allen Fossil Plant. Like landfill gas, the methane would otherwise be flared, or burned off.

Eleven canopies over the parking lot at Finley Stadium in Chattanooga serve a dual purpose—they provide covering for fans attending sports events there, and they also generate solar-powered electricity for the Tennessee Valley (see story inside).

This new generation source has been approved by the Center for Resource Solutions, the organization that accredits Green Power Switch. The methane fuel currently available from the wastewater treatment facility could produce more than 35 million kilowatt-hours annually and would eliminate the consumption of more than 17,000 tons of coal. Power production from this generation source is scheduled to begin in October 2001.

The Allen Fossil Plant methane co-firing project can quickly make up the supply deficit. Initially, the project will provide four megawatts of new power production. Once the deficit has been eliminated, the project will be evaluated for extension.

Together with existing wind and solar resources, the Allen Fossil Plant project and the Middle Point landfill facility will ensure an adequate supply of green power, allowing the program to begin expanding to additional power distributors. The first group of distributors to be added is in the northeast Tennessee region.

Members of the Green Power Switch team will begin training the new distributors in October. Each distributor is being asked to select a Green Power Switch coordinator to assist in marketing the program to local consumers.

Orientation is expected to last about two months, with actual marketing to begin in the new locations in January 2002. Green Power Switch will be offered to additional distributors starting in the spring of 2002.

Events

Wind turbine tour
October 27: Oak Ridge
The Southern Alliance for Clean Energy will host a tour of the Buffalo Mountain wind turbines. It will start at Oak Ridge Community Center at 9 a.m. For more information or to reserve a seat on the tour, contact the Alliance at 865-637-6055 or e-mail info@cleanenergy.org.

Concerned Oak Ridge Citizens
November 3: Oak Ridge
Concerned Oak Ridge citizens will meet at Hardee's at 9 a.m. For more information contact Rick Carson at 423-751-7461.

Sally Bingham talk
November 7: Knoxville
Sally Bingham of Episcopal Light and Power, based in San Francisco, will give a talk on the role faith communities can play in taking leadership to protect God's creations. The meeting will take place at Church of the Good Samaritan Parish Hall, 425 North Cedar Bluff Road, at 7:30 p.m. Interfaith coalitions are being formed in Knoxville, Chattanooga, and Nashville to explore energy stewardship within faith communities. For more information, contact the Southern Alliance for Clean Energy at 865-637-6055 or send an e-mail to info@cleanenergy.org.

TVA Energy Technology Expo
November 28 - 29: Chattanooga
The expo will take place at the Chattanooga Convention Center. For more information, contact Paula Brown at 865-632-2974, or e-mail her at tvainfo@tva.gov (attn.: Paula Brown).

The limelight shines on solar sites in Chattanooga and Huntsville

TVA Director Skila Harris explains the basics of how solar energy is produced to second-graders from Lincoln Elementary School in Huntsville. The students were special guests at the dedication of the Sci-Quest solar facility.

All 11 solar sites planned as part of the first phase of renewable generation for Green Power Switch are now operating, providing 250 kilowatts of solar-powered electricity for the Tennessee Valley. Finley Stadium in Chattanooga boasts the largest solar site in the Valley—and indeed in the entire Southeast. Its 11 canopy structures, or arrays, provide covering for a parking lot and will produce 127,000 kilowatt-hours of electricity per year. That's enough electricity to supply eight or nine typical Tennessee Valley homes or operate the Finley Stadium field lights for 90 football games.

The Finley Stadium solar site was dedicated in ceremonies August 28, and speakers included TVA Director Skila Harris, U.S. Representative Zach Wamp, Joe Ferguson, chairman of the Chattanooga Electric Power Board, and Stephen Smith, executive director of the Southern Alliance for Clean Energy.

The solar generating facility in Huntsville is located at Sci-Quest, a nonprofit hands-on science center whose goal is to promote an understanding of today's technology and stimulate creative thinking about the future. Officials of Huntsville Utilities, the City of Huntsville, and TVA joined Sci-Quest officials on September 21 to dedicate that facility, which is the first in Alabama.

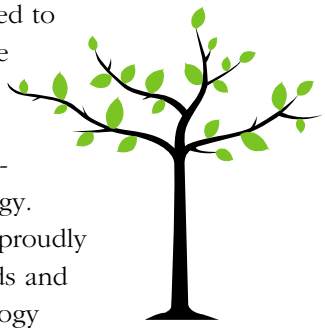
The Sci-Quest photovoltaic modules can produce more than 41,000 kilowatt-hours of electricity per year, or enough to supply two to three typical Tennessee Valley homes.

For an online view of Green Power Switch's generating facilities, visit the Web site at www.greenpowerswitch.com

The leaves this fall are turning Green

Joyce Wilding and the other members of Christ Church Cathedral in Nashville believe that care of the environment is a vital component of stewardship and a life of faith. As a member of the Episcopal Environmental National Steering Committee and Ecology Group Leader at Christ Church, Joyce sees the Green Power Switch program as one way to support that stewardship.

During a 2001 Lenten series, Joyce made a "Greening with Life" exhibit using the TVA/Nashville Electric Service (NES) Green Power Switch portable display, which describes the benefits of green energy. Church members were asked to write their name on a green paper leaf and hang it on a small bare tree if they had purchased green power from NES. Those who had not yet signed up for green energy were invited to do so and add their leaf. Turning the tree green was a reminder for the members of the congregation to find more ways to promote clean energy.



The cathedral itself has subscribed to Green Power Switch and proudly displays its decal. Many cathedral members have asked their friends and neighbors to sign up for the program. Several of the church's Ecology Group members have spoken with other faith groups about promoting green energy and energy efficiency. They would like leaders from all houses of faith to encourage their congregations to be good stewards of the earth's resources.

Wind power RFP

TVA is soliciting bids from firms to provide additional wind power for the Green Power Switch program. TVA issued a request for proposals (RFP) on July 3, 2001, for a range of 20 to 50 megawatts of wind energy. (A copy of the RFP is posted at www.greenpowerswitch.com.) TVA conducted wind site visitations at various locations on August 15 and 16. Fifteen companies attended, representing wind developers, turbine manufacturers, and utilities. The companies are evaluating the sites to determine the locations with the best wind potential. Proposals were due to TVA by the end of September, and TVA plans to make a selection by the end of calendar year 2001. The new wind-generation sources are expected to be online by the end of 2003.

Generation update

Solar power sites	Generation July 1 - September 30
Cumberland Science Museum	11,172 kWh
Dollywood Tram C	3,322 kWh
Dollywood Tram D/E	4,117 kWh
Gibson County High School	6,326 kWh
Ijams Nature Center	5,777 kWh
Cocke County High School	3,918 kWh
Duffield-Pattonsville Elementary School	3,873 kWh
Sci-Quest/North Alabama Science Center	12,181 kWh
American Museum of Science & Energy	5,250 kWh
Lover's Lane Soccer Complex	17,387 kWh
Finley Stadium	21,350 kWh
Total solar generation	**93,673 kWh**

Wind power site	Generation July 1 - September 30
Buffalo Mountain Wind Park	**416,264 kWh**

Landfill gas	Generation July 1 - September 30
Middle Point Landfill Gas Generation Facility	**3,318,333 kWh**

Participation update

Total number of green power blocks subscribed:	**12,979**
Number of green power blocks subscribed since July 1, 2001:	**1,375**
Number of residential customers subscribing:	**4,404**
Average number of green power blocks per residential customer:	**1.7**
Number of business customers subscribing:	**201 business customers purchasing 5,601 blocks**

On the Web

Check the Green Power Switch Web site for these stories:

Awards and honors won by Green Power Switch for its marketing and communications efforts.

A list of businesses that are leading the way in environmental responsibility by subscribing to Green Power Switch.

Electricity labels that tell you the environmental impacts of choosing Green Power Switch.

Find all this and more at www.greenpowerswitch.com

Do you have an environmental event you would like others to know about?

If so, email us at greenpowerswitch@tva.com