

GreenNews



Your quarterly source for renewable energy information from Georgia Power



Green Energy In Sight

Construction is moving forward on DeKalb County's new Seminole Road Landfill gas generation plant

Site work for DeKalb County's Seminole Road Landfill gas generation plant is under way! The plant building is slated for completion in mid-September – and Green Energy is expected to start flowing from the facility approximately one month later.

Georgia Power has already contracted to purchase energy produced at the new landfill gas plant. The 10-year contract is a first for Georgia Power and the DeKalb County Public Works Department, and represents an exciting step forward.

The Seminole Road Landfill accepts about 1,700 tons of municipal solid waste garbage daily. As the garbage decomposes, methane gas is generated. While the methane is currently flared (burned off) to reduce the hazard of gas buildup, the new plant will soon be using the methane gas to power electric generators.

The generation building includes two electrical generators and a viewing room to accommodate tours and will allow guests to gain a better

understanding of this renewable energy source.

With a methane gas flow rate of about 1000 scfm (standard cubic feet per minute), the two new 1.6 MW generators will produce approximately 24-25 million kilowatt hours per year, enough to power approximately 2,000 homes.



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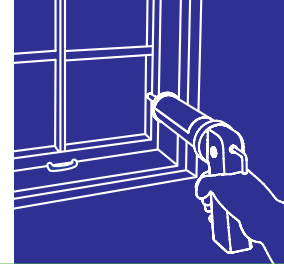
Earth Day Event

Ted Jones was one of the Georgia Power representatives who demonstrated the energy efficiency of compact fluorescent light bulbs at Savannah's Earth Day festival on April 22. The Georgia Power team handed out nearly 600 samples of the low-wattage, cool burning bulbs.



For more information about Georgia Power's Green Energy Program, visit www.georgiapower.com/greenenergy

A Starring Role



Georgia Power partners with ENERGY STAR® to promote energy efficiency



How do you know if the products you buy have the energy efficiency that helps you save money and energy and helps our environment? Look for the ENERGY STAR logo!

What is ENERGY STAR?

It's an energy efficiency certification program launched in 1992 by the U.S. Environmental Protection Agency. Now jointly sponsored by the EPA and the U.S. Department of Energy, ENERGY STAR certifies that products with



its logo will use less energy and save you money on energy costs.

What kind of products? Everything from compact fluorescent light bulbs to refrigerators, HVAC systems, home electronics, even office equipment.

When you see the ENERGY STAR logo, you know the product will be 10 to 50 percent more energy efficient than products without the logo.

Why the partnership?

Georgia Power proudly partners with ENERGY STAR to build awareness among Georgia consumers about energy efficiency.

After all, saving energy

reduces pollution. And less pollution means a cleaner environment. So look for the ENERGY STAR

logo. And visit energystar.gov or call 1-888-STAR-YES (888-782-7937) to learn more.



A bright idea that saves energy – and money!

One example of an ENERGY STAR qualified product that we can all use to improve our environment is the Compact Fluorescent Light Bulb (CFL).

It gives you just as much light as a regular incandescent

light bulb but ENERGY STAR qualified CFLs use 66 percent less energy than a standard incandescent bulb — and last up to 10 times longer!

Replacing a 100-watt incandescent with a 32-watt CFL can save you at least \$30 in energy costs over the life of the bulb.

ENERGY STAR qualified CFLs provide the same amount of light (lumens) as standard incandescent bulbs, but have lower wattage ratings. This means they use less energy and cause less pollution.

How to choose the right CFL

Just look at the lumen, or light output on the product packaging. For example, most 60-watt incandescents provide around 800 lumens, so look for ENERGY STAR qualified CFLs

that provide 800 lumens or more. The following table gives you the lumen range for most residential incandescent bulbs. This will help you choose a CFL with comparable light output.

Use the table below to become familiar with equivalent CFL replacement bulb wattage and light output ranges.

A Typical Incandescent Bulb (Watts)	ENERGY STAR® CFL Replacement Bulb
40	9 watt
60	14 watt
75	19 watt
100	23 watt
150	42 watt

DID YOU KNOW....?

If every household in the U.S. replaced JUST ONE LIGHT BULB with an ENERGY STAR qualified compact fluorescent light bulb, it would prevent enough pollution to equal removing one million cars from the road.

Warm Weather Tips

For saving energy (and the environment)

Here are some easy things you can do to help conserve energy during the summer and early fall months here in the South:

- Set your thermostats at 78 degrees and leave them there. You can immediately reduce your energy use 3 – 5 percent for every degree you raise your thermostat setting during warm weather.
- Make sure furniture, curtains and rugs don't block air flow from vents.
- Clean dust from supply and return air grills.
- To keep hot air outside, caulk and weather strip around doors and windows — and seal openings around wiring and plumbing pipes.
- Make sure your AC ductwork is sealed. Cracks at joints can increase your cooling bill as much as 30 percent!
- Keep plants and brush at least three feet away from outside units so they can operate at peak efficiency.



Renew Our Rivers receives national recognition

Now in its seventh year, Southern Company's *Renew Our Rivers* waterway cleanup program was recently honored with the "Outstanding Stewardship of America's Rivers Award" from the National Hydropower Association (NHA).

Citing the program's innovation, collaborative partnerships and environmental stewardship initiatives, the NHA announced the award on April 3, 2006 at the NHA's annual meeting.

Renew Our Rivers has grown from a single river cleanup event in Alabama to a nationally recognized cleanup campaign that includes five river systems in Georgia, Alabama, Mississippi and the Florida panhandle.

Here in Georgia, *Renew Our Rivers* sponsors cleanups at Georgia Power hydroelectric plants on the Chattahoochee, Chatooga, Flint, Ocmulgee, Oconee and Tallulah rivers, as well as other Georgia waterways.

"*Renew Our Rivers* has been a wonderful opportunity for our employees to partner with the local community in addressing the need to remove trash from our waterways," said Chuck Huling, Georgia Power Vice President of Environmental Affairs. "These events have also provided participants with an awareness of our valuable water resources."

Renew Our Rivers is the Southeast's largest river cleanup campaign. Since the program's inception in 2000, more than 6,000 volunteers, civic groups, schools and other organizations have participated in *Renew Our Rivers* events, removing some 5.3 million pounds of trash from waterways in the South.



Segway to the Future



We've all heard about the super-cool Segway Human Transporter. But did you know that Georgia Power is already using this innovative electric scooter to save gas and reduce pollution in metro Atlanta?

It's a perfect fit for meter readers, especially those who have to travel long distances between houses in suburban neighborhoods. Raul Gutierrez, a Georgia Power meter reader from Powder Springs, has nothing but praise for the Segway he uses. "It really saves your legs," he said, "Especially in the summer when it's hot and humid."

It saves time, too. "One street on my route takes an hour to complete if you're walking," Gutierrez said. "On the Segway, it takes 20 minutes."

Georgia Power bought its first Segway in 2002 and currently owns seven Segways that are shared by meter readers in six metro offices. Every day, the meter readers look at their routes and figure out who would benefit most from using the Segway on that particular day. One may use it in the

morning and another in the afternoon.

The Segway weighs 83 pounds including batteries, traveling up to 12.5 MPH and easily handling hills and uneven surfaces. Its batteries last four to six hours per charge and can be recharged by plugging into a standard outlet.

At a cost of about \$5,000 each, the Segways save gas

and cut down on pollution while helping meter readers do more work in less time. Plus they're really fun to drive!

Raul Gutierrez says that the unique electric scooters draw their share of interest on meter-reading routes. "One lady chased me in her car," he said. "When she stopped she said, 'My God, I've seen the future.'"



"...the Segways save gas and cut down on pollution..."