

How does it work?

Every day, approximately five pounds of solid waste is generated for every person in the United States. Landfill gas, consisting mostly of methane, is created through the natural decomposition of this waste material and can be used as an alternative fuel resource for electricity generation.

Through a partnership between your electric cooperative, Waste Management and Alabama Electric Cooperative, Inc. (AEC), methane gas from Springhill Regional Landfill is extracted and burned to generate 4.8 megawatts of green energy, which is then placed on the transmission grid and made available for all consumers in the AEC system.



The process begins with the disposal of organic-rich solid waste material into sanitary landfills. As the waste decomposes, methane gas is produced and recovered by a series of wells drilled into the landfill. The wells are interconnected by a common collection system that transports the gas to a compression facility. There, the gas is compressed, dried and filtered before being sent through turbines or engines to produce electricity.

The result - clean, green energy - is enough to power 4,000 homes per year.



Your Touchstone Energy[®] Cooperatives
The power of human connections



It's easy being green.

green power
choice[®]


Buying two blocks of green power per month for a year equals recycling **480 lbs.** of aluminum or recycling **1,766 lbs.** of newspaper.



With today's concerns over escalating fuel costs and increasing dependence on fossil fuels, we are constantly seeking other options. That's why we're offering our members a way to combat these issues through participation in our new Green Power Choice program. A cleaner option for electricity generation, Green Power Choice offers our members the option of purchasing blocks of power generated from a renewable resource – methane gas from landfills.

Through participation in Green Power Choice, you literally help turn trash into treasure – a win-win opportunity for our cooperative, our members, our community and our environment.

The Green Power Choice program gives you, our members, a simple way to support renewable energy by purchasing blocks of green power. You can buy green power in 100-kilowatt-hour blocks (about 8 percent of a typical household's monthly use) for just \$2 per

month. You may purchase as many blocks as you like, and the green power you purchase will be added to the AEC transmission system as part of its total power mix.

Your participation in this project proactively supports and promotes the conservation of natural resources and the development of renewable energy resources. At your electric cooperative, we continually pursue means of preserving our environment while providing reliable, affordable energy to our members.

REGISTRATION FORM

Green Power Choice gives our members the option of purchasing clean, green energy in 100-kilowatt-hour blocks, equivalent to about 8 percent of a typical month's electricity use. Each block you purchase will add \$2 to your monthly power bill, and you can buy as many as you like. The minimum participation period is one year.

To sign up, just fill out this reply card and return it to us.

- 100 kilowatt-hours (\$2 /month) 200 kilowatt-hours (\$4 /month) 300 kilowatt-hours (\$6 /month)
- 400 kilowatt-hours (\$8 /month) 500 kilowatt-hours (\$10 /month) 600 kilowatt-hours (\$12 /month)
- Other: _____

Name _____ Phone _____

Account number _____

Address _____

City _____ State _____ Zip _____

Signature _____ Date _____

