



## Energy Efficiency / Demand-side management and solar program summary

Progress Energy has made a commitment to double its energy efficiency to 2,000 megawatts (MW) through energy-efficiency and demand-side management programs.

Progress Energy has committed nearly half a billion dollars over the next five years towards the development of these programs.

### Residential programs

**Residential Home Energy Improvement Program (HEIP)** – The Home Energy Improvement Program offers rebates to residential customers in existing homes for improvements such as heating and cooling upgrades, duct testing and repair, energy-efficient window installation, attic insulation and air sealing. Customers will be able to select from a list of pre-qualified contractors across the state to perform the work. **(Launched July 1)**

**Neighborhood Energy Saver Program** – The Neighborhood Energy Saver program will provide information and energy-conservation measures to low-income residential customers to help reduce energy consumption and costs. The program targets low-income neighborhoods in which more than half of the households have total income equal to or less than 150 percent of the poverty level, as established by the U.S. Department of Energy. The program is expected to achieve an annual energy savings impact of 19 GWh within five years. **(Filed – pending approval)**

**Residential Home Advantage** – The Home Advantage program provides incentives to builders to construct new homes that meet or exceed U.S. EPA Energy Star efficiency standards. Energy Star-certified homes provide customers with at least 15 percent greater efficiency than standard homes. Homeowners also receive a 5 percent Progress Energy discount on their monthly bill for the life of the home. **(Launched Dec. 2008)**

**SunSense<sup>SM</sup> Residential Solar Water Heating Research Study** – Under this research study, up to 150 customers will be offered a \$1,000 incentive to participate. Progress Energy Carolinas will use the study program to help determine regional energy-saving capabilities for a potential larger-scale program. **(Launched July 1)**

**EnergyWise<sup>TM</sup>** – EnergyWise is a residential load-control program that enables Progress Energy Carolinas to remotely adjust the air-conditioning units of voluntary customer participants during periods of peak electricity demand, particularly on the hottest summer afternoons, when demand is at its highest of the year. Customers participating in EnergyWise will receive an annual \$25 bill credit as an incentive. **(Launched June 1)**

**Custom Home Energy Report** – This free comprehensive, personalized evaluation will examine your household's energy usage to provide you with a better understanding of how you spend your energy dollars. Plus, you'll receive energy-saving recommendations specific to your home, to help you save money on your monthly electric bill. **(Launched July 8)**

**To receive a Custom Home Energy Report, and for more information on signing up for residential programs, visit [www.savethewatts.com](http://www.savethewatts.com).**

### Non-residential programs

**Energy Efficiency for Business** – The Energy Efficiency for Business Program encourages energy efficiency and energy-efficient building design among Progress Energy's non-residential customers. The program offers cash incentives to customers who implement any of several pre-defined or custom energy-efficiency measures. A performance-based incentive is also offered for new buildings and major renovations that pursue integrated, building-wide energy efficiency. In addition, technical assistance incentives are available to offset design and engineering costs. **(Launched April 20)**



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**Commercial, Industrial, Government (CIG) demand response** – The CIG demand response program will provide education and incentives to CIG customers to encourage participation in voluntary load management. As part of the program, Progress Energy will install communication technologies that will enable PEC to remotely control and monitor a variety of electrical equipment during periods of peak demand. The company's projection for CIG demand response is to have the capability to reduce peak electricity demand by 50 megawatts (MW) by 2013. This is in addition to the existing 319 MW of existing CIG demand response programs. **(Filed – pending approval)**

**Distribution System Demand Response (DSDR)** – DSDR is a component of Progress Energy's Smart Grid strategy that will help the company deliver power more efficiently across the utility's existing electrical system through equipment and technology enhancements. DSDR is expected to produce a nearly 250-megawatt reduction in peak electricity demand by 2012, eliminating the need for peaking power plants of equal size. **(Approved June 15 – in progress)**



**SunSense<sup>SM</sup> Commercial PV** – This program provides a payment for solar energy produced from eligible PV systems installed on commercial rooftops. Customers must apply and projects that are accepted will receive an incentive of 18 cents per kilowatt-hour (kWh) for solar electricity produced. **(Launched July 6)**

**SunSense<sup>SM</sup> Commercial Solar Water Heating** – This program provides a payment for eligible solar water heating systems installed on commercial facilities. Projects that are accepted will receive an incentive of \$20/REC for the system's metered thermal energy. **(Launched July 6)**

**SunSense<sup>SM</sup> Schools** – This program is available to middle and high schools served by Progress Energy Carolinas. It is designed to give students and faculty a unique, hands-on opportunity to learn more about solar energy. Five winning schools will receive a two-kilowatt solar photovoltaic system on their campus along with Internet tracking equipment that shows the real-time energy output. Schools must submit applications soon – visit [www.progress-energy.com/sunsense](http://www.progress-energy.com/sunsense) for details. **(Launched March 1)**

### Planned energy efficiency/Demand-side management programs

**Residential Lighting Program (To be filed fall 2009)** – The residential lighting program will offer discounts to customers who purchase ENERGY STAR<sup>®</sup> CFL bulbs at selected retail outlets (home improvement stores, grocery stores, drug stores, etc.). Customers will receive the benefit of a reduced price, or “buy-down”, at the time of the retail purchase.

**Appliance Recycling Program (To be filed fall 2009)** – This program will target the early retirement of older, inefficient appliances by offering customers financial incentives along with the free removal of operable, existing refrigerators and freezers. The units collected through the program are then recycled by Progress Energy in an environmentally safe manner.

### Consumer Education Resources

- SaveTheWatts.com – provides energy efficiency tips and links to available programs
- Energy Efficiency World – educational Web site targeted to teachers and students; <http://progress-energy.com/shared/eew/index.html>