

Kansas City Power & Light's Energy Efficiency Programs: Partnerships that Make a Difference

Energy efficiency is a “win-win-win” solution...for the customer, the community and the company. In 2007, KCP&L made a positive impact in the area of energy efficiency thanks to a number of successful programs. As a result, customers were empowered to reduce their energy usage, thereby reducing environmental emissions and increasing comfort and savings. KCP&L's energy efficiency programs included:

- The **Energy Optimizer** program offers KCP&L residential and small commercial customers a free, programmable thermostat that they can control via the Internet. In return, customers allow KCP&L to cycle their air-conditioner on and off at 15-minute intervals for a maximum of four hours, to reduce demand on peak days. The program was highly successful with installation of **21,000** thermostats for a projected demand reduction of **23.1MW**. The program reached **280 percent of goal** and exceeded even three-year targets, making it one of the most successful programs of its kind in the nation.
- **Energy Analyzer** is a free, online audit tool that offers residential, commercial and industrial customers personalized recommendations for managing energy costs, tips to conserve energy and save money using actual usage data. Energy Analyzer helped **12,451 users** find ways to save energy in their homes and businesses in 2007, exceeding the combined goal by **230 percent**.
- For the third year, KCP&L joined with the Missouri Department of Natural Resources to encourage Missouri residents to **Change a Light, Change the World**, by replacing incandescent bulbs in their homes with ENERGY STAR®-qualified CFLs. KCP&L offered a \$2 instant rebate on up to six bulbs. Although figures for 2007 will not be available until May, last year **24,000** CFLs were purchased through this program, equating to savings of **1.230845 million kWh**.
- The city of Kansas City, Mo., also joined the CFL revolution by partnering with KCP&L to become the first city in the nation to ask its citizens to switch **A Million Lights** from regular bulbs to CFLs and reduce greenhouse gas emissions by approximately **440 million pounds**. The joint project surpassed its goal; more than **1.14 million** CFLs were purchased.
- To help low-income customers weatherize their homes, KCP&L partners with community agencies through its **Low-Income Weatherization** program. In 2007, KCP&L allocated more than **\$600,000** to fund weatherization programs in the Kansas City region and approximately **\$2.8 million over 5 years**.
- **Mpower** is a program launched in 2006 for large commercial and industrial customers to enlist their support in shaving peak demand through curtailment and shifting production to off-peak times. This program was re-structured in 2007 and has been very successful. Currently there are **90 customers** and **30MW** of demand-response capability.
- The **Cool Homes Program**, new in 2007, encourages residential customers to purchase and install energy-efficient CAC and heat pumps by providing financial incentives to offset a portion of the equipment's higher initial cost. The program's long-range goal is to encourage contractors/distributors to use energy efficiency as a marketing tool, thereby stocking and selling more efficient units and moving the entire CAC and heat pump market toward greater energy efficiency. The program targets re-commissioning or early replacement of equipment that is working, but most likely inefficient. High efficiency replacement equipment will be rebated at \$650 for SEER 14 or 15 systems and \$850 for SEER 16 and higher. During the partial year start-up, **185** old systems were replaced with SEER 14.0 or higher equipment and 332 systems were re-commissioned to manufacturers' specifications. In addition, **874** CFL six-packs were distributed to the participants of these programs.