

## KCP&L'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... and another critical ingredient in GPE/KCP&L's Comprehensive Energy Plan. KCP&L is making a positive impact in the area of energy efficiency thanks to a number of successful programs. As a result, customers are empowered to reduce their energy usage, thus reducing environmental emissions and increasing comfort and savings. KCP&L's energy efficiency programs include:

- The **Energy Optimizer** program offering 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 adjust their thermostat up or cycle it off to reduce demand on peak days. The program has been highly successful with installation of 15,700 thermostats for a projected demand reduction potential of 17 megawatts.

- **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. To date more than 27,861 users have received energy saving tips from Energy Analyzer.



- **ThermoCalc** is an online tool within Energy Analyzer that helps homeowners calculate home-specific dollar savings from thermostat adjustments. KCP&L won **Chartwell's 2006 Best Practices Award for Utility Marketing** for the innovative ThermoCalc integrated media campaign.
- For the second 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 compact fluorescent (CFL). KCP&L offered a \$2 instant rebate on up to six bulbs. 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. More than 24,000 CFLs were rebated in 2006.



*Mike Chesser with Kansas City, Mo., Mayor Kay Barnes, demonstrates CFL energy savings at the Million Lights press conference.*

- Leading by example and in support of the Change a Light and A Million Lights campaigns, KCP&L implemented an internal campaign, **I'm One in a Million**. More than 60 percent of employees participated by trading one incandescent light bulb for a CFL bulb provided by the company.



## KCP&L's Energy Efficiency Programs: Partnerships that Make a Difference

- To help low-income customers weatherize their homes, KCP&L partners with community agencies through its **Low-Income Weatherization** program. In 2006, KCP&L allocated more than \$450,000 to fund weatherization programs in the Kansas City region and approximately \$3 million over five years.
- KCP&L's **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. The program grew dramatically from one customer in 2006 to 59 customers in 2007 with a demand reduction potential of 26 megawatts.
- The newly approved **Low-Income Affordable New Homes** program is a partnership between KCP&L and organizations, such as the Local Initiative Support Corporation, Habitat for Humanity and local government community development organizations, to achieve energy-efficient affordable new housing for the low-income community. Financial incentives are set at the full incremental cost for central air conditioning (CAC) and heat pumps. An incentive will be available toward the purchase of an ENERGY STAR®-rated refrigerator, toward the purchase of ENERGY STAR®-rated lighting fixtures and toward installing higher-than-standard levels of insulation in the attic, floor or crawlspace.
- 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. SEER 14.0 and 15.0 efficiency equipment will be rebated.

## Future of energy efficiency



- KCP&L is partnering on a public transit **plug-in hybrid electric van** with the On-Grid Hybrid Electric Bus Consortium, which includes the Kansas City Area Transportation Authority, the Metropolitan Energy Center and the Electric Power Research Institute.
- KCP&L is leading other utilities in its use of biodiesel fuel. More than **300 biodiesel vehicles** and a fleet of **112 E85 flexible fueled vehicles** use alternative fuels to keep Kansas City's air cleaner and decrease our dependence on foreign oil. In addition, KCP&L recently received three hybrid electric/E85 fuel vehicles as part of a unique pilot program with Ford Motor Company.