



SmartGrid Project Overview



SmartGrid Demonstration

For more information about KCP&L's SmartGrid project, please visit our website at www.kcplsmartgrid.com.

Program Highlights

- **Advanced electric meters** that deliver real-time electric use and price information to customers
- **Free SmartGrid products and tools** that help customers manage how and when they use electricity, which can help save money
- **Rooftop solar panels** at select commercial buildings, government facilities and neighborhood centers
- **Efficient appliances** in select homes, including heat-pump water heaters
- **Collaboration with community organizations** to identify opportunities for green jobs in the urban core
- Installation of **electric vehicle charging stations** in the SmartGrid neighborhoods

KCP&L SmartGrid project delivers benefits to customers and the community

With the help of a grant from the United States Department of Energy, KCP&L is investing more than \$48 million in a SmartGrid project in a number of Kansas City neighborhoods. The total project will benefit approximately 14,000 KCP&L customers in the area.

Educating customers and giving them the tools to manage their electricity use and costs are essential components to the success of the project. By providing customers with real-time information, SmartGrid will give them greater control over their electricity use, which can help them save money on their monthly electric bill.

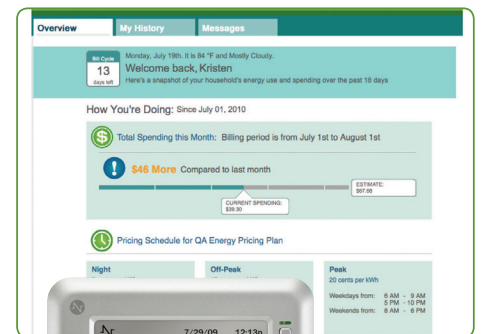
KCP&L also will make significant infrastructure upgrades to the midtown substation and the utility lines in the SmartGrid area. These upgrades will enhance electrical service for the entire SmartGrid area through improved reliability, quicker outage response times, more efficient electricity delivery and a reduced carbon footprint.

Free SmartGrid products and tools

MySmart Portal. Helps customers understand the impact of their electricity use and encourages them to make decisions that conserve energy, help the environment and save money.

MySmart Display. Provides real-time information that increases awareness of electricity use and identifies opportunities to reduce consumption and save money.

MySmart Thermostat. Can automatically set temperatures based on season, resulting in up to 20 percent savings in heating and cooling bills.

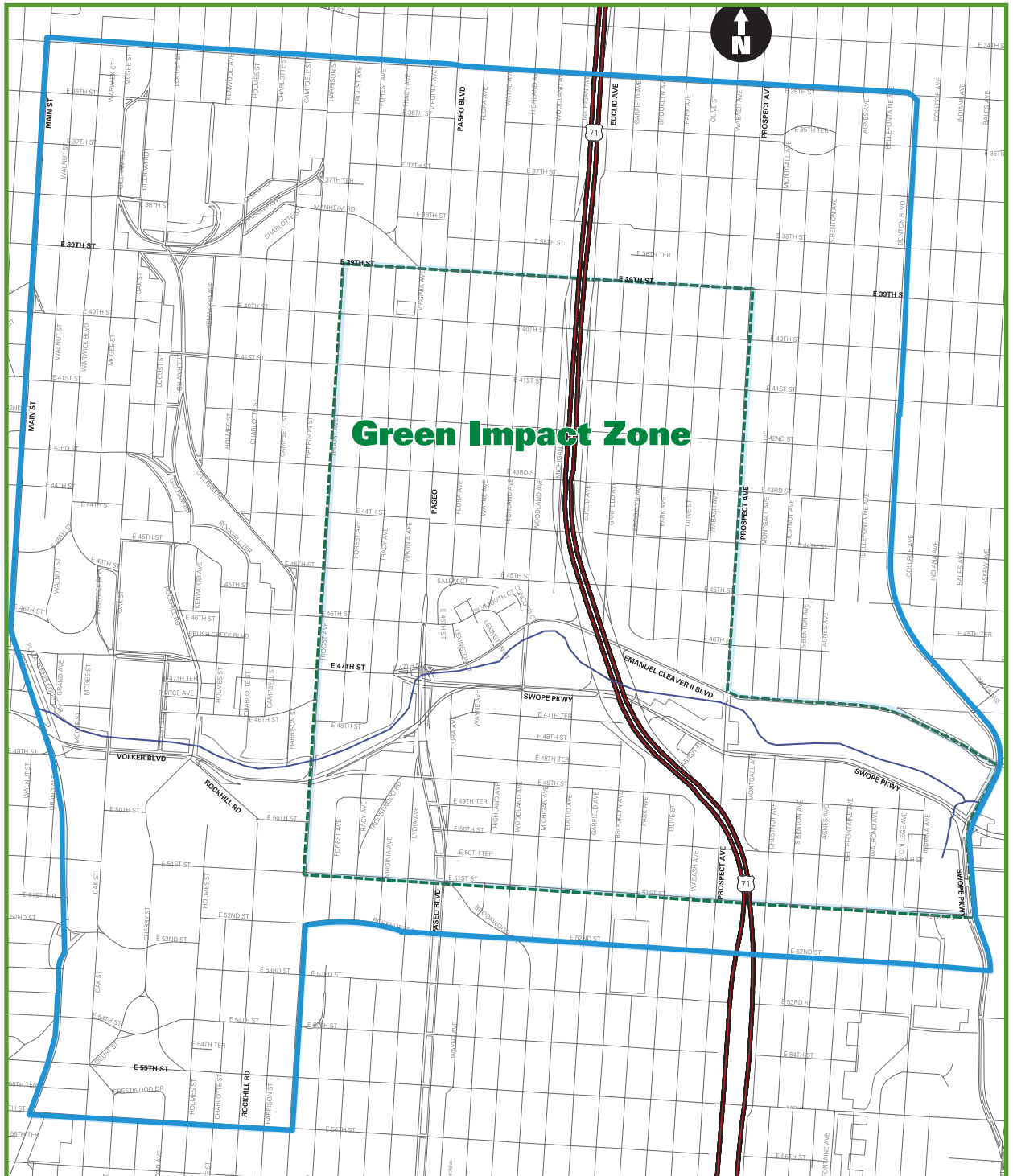




SmartGrid Project Map

KCP&L's SmartGrid project includes the Green Impact Zone and surrounding neighborhoods, outlined here in blue.

The Green Impact Zone is a cooperative effort to focus federal stimulus funds on projects in a targeted area of Kansas City, Mo.



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