

# Siemens helps the City of Rolla, Missouri make city-wide energy efficiency improvements

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## Client Background

In central Missouri, the City of Rolla is home to Missouri University of Science and Technology. The city boasts a wide variety of outdoor recreational activities, contributing to a high quality of life for the nearly 20,000 residents who call Rolla home.

In 2010, the City of Rolla engaged Siemens Industry, Inc., to help make city-wide energy efficiency improvements that would help reduce annual utility costs.

## Objectives

The City of Rolla established the following goals for this project:

- Improve the municipal infrastructure and energy efficiency efforts
- Avoid capital outlay
- Reduce the City's carbon footprint
- Lead other Missouri municipalities by example

### Siemens Solutions

To address the City's goals for energy efficiency and reduced annual operating costs, Siemens is implementing the following solutions:

- Southeast wastewater treatment plant aeration system upgrades and lift pump replacement
- Lighting upgrades and controls systems for all buildings
- New LED exit signs and vending occupancy controls
- Energy Management System optimization and scheduling for the rec center and city hall
- Building envelope improvements to the downtown fire station and community center
- Electric infrared heating for downtown fire station engine bay
- Internet-based programmable thermostats for the fire and police stations
- Variable frequency drive for the pool filtration pump at the rec center
- Updated chlorination system for the indoor pool at the rec center
- New roof for the police station

In addition to these solutions, Siemens will implement innovative new blower technology at the City's Southeast wastewater treatment plant. The plant will showcase Rolla's aggressive approach to energy efficiency and feature the latest in wastewater aeration technology.

Siemens will also schedule a Sustainability Education Program for city staff, residents, and businesses in 2011.

### Customer Results

Because the city is taking advantage of an Energy Performance Contract, the City of Rolla is making significant city-wide energy efficiency improvements without an upfront capital investment.

Siemens estimates that the City of Rolla will save more than \$2.4 million over the Energy Performance Contract term.

Siemens Industry, Inc.  
Building Technologies Division  
1000 Deerfield Parkway  
Buffalo Grove, IL 60089

(847) 215-1000

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