



Case Study

City of Pittsburg Pittsburg, KS



PROJECT HIGHLIGHTS

Environmental Benefits

2,151 tons of harmful greenhouse gas emissions reduced annually

Equivalent to:

- Preserving 13.6 acres of forest from deforestation* or
- Conserving 4,538 barrels of oil*

Capital Costs

\$1,826,932

Annual Savings

Energy:	\$104,436
Non-Energy:	\$15,620
Utility Cost Reduction:	15%

* Sources:

- Leonardo Academy's Cleaner & GreenerSM Emissions Reduction Calculator
http://www.cleanerandgreener.org/resources/emission_reductions.htm
- U.S. Environmental Protection Agency, Greenhouse Gas Equivalencies Calculator
<http://www.epa.gov/cleanenergy/energy-resources/calculator.html>

PROJECT DESCRIPTION: Energy Savings Performance Contract

Challenge: The City of Pittsburg was faced with making several capital improvements within the city. Some capital expenditures were the result of building out new infrastructure, while some addressed aging facilities. The city council set a policy of holding the city's debt limit to 10 mils. As a result, the wish list of projects was longer than the funds available.

PROJECT SCOPE:

Solution: By partnering with ConEdison Solutions through its subsidiary, Custom Energy Services, an energy project allowed them to make improvements to significant city facilities, such as the Memorial Auditorium, without exceeding the internal debt limit. Improvements were identified throughout the entire city that would generate enough energy savings to offset the expense of improving the Memorial Auditorium. Along with the improved lighting and climate comfort in this facility, the city staff in City Hall has a better work environment, and other city facilities are able to operate at a lower cost.

Contact:

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Construction Start Date:

November 2007

Construction End Date:

August 2008

ENERGY CONSERVATION MEASURES

Lighting

- High efficiency lighting
- LED exit signs

Controls

- Energy management system
- Occupancy sensors
- Programmable thermostats

Heating and Cooling

- Water heater

Building Envelope

- Windows