



Project Reference

City of Parsons

Parsons, Kansas

Contact:

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Improvements Implemented:

- ▶ Lighting retrofits and upgrades
- ▶ Replace HVAC equipment
- ▶ Water conservation
- ▶ Roof replacements
- ▶ Boiler replacements
- ▶ Energy management system upgrade
- ▶ Water meter replacements
- ▶ Automated water reading
- ▶ Lock and key consolidation
- ▶ Traffic signal upgrades
- ▶ Elevator renovation
- ▶ Chiller, tower, and pumps replacement
- ▶ Structural repairs on 7-story building

Environmental Impact:

4,301 tons of harmful greenhouse gas emissions reduced annually

Equivalent to:

- ▶ Preserving 52 acres of forest from deforestation
- ▶ Conserving 7,175 barrels of oil

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Sources:
Leonardo Academy's Cleaner & Greener™ Emissions Reduction Calculator
U.S. Climate Technology Cooperation Gateway, Greenhouse Gas Equivalencies Calculator, <http://www.uscgcgateway.net/tool>

Project Stats

Project Type: Municipality

Project Size: 18 buildings, 588,256 sq. ft.

Project Value: \$7,053,886

	Energy	Non-Energy
Guaranteed Annual Savings	\$348,701	\$42,907

	Start Date	End Date
Construction	Jul. 2007	Apr. 2008 (estimated)
Guarantee	Apr. 2008	Apr. 2023

Challenge:

The City of Parsons, currently under construction, has multiple opportunities to harvest energy and operation and maintenance savings. Critical needs for the city are structural repairs and roof replacement at the seven story Belmont Towers. Custom Energy will also bring the fire protection system up to code in this residential facility.

Solution:

The City also has an opportunity to significantly reduce demand charges by altering their procedure in water production. Also, the city will reduce overall unaccounted for water loss by installing new water meters, and expedite meter reading by converting to an automated meter reading system.

Through guaranteed utility savings, an increase in water revenue, and a reduction in operation and maintenance savings, the City of Parsons will be able to fund 60% of the project which significantly reduces city's obligation.



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