



A Study in Energy Efficiency: Pennsylvania State Capitol, Harrisburg, PA

# Classical Structures and Taxpayers Benefit from Energy Savings Effort.

## Customer Profile

The State Capitol Complex is an assembly of classical government buildings in Harrisburg surrounded by parks, plazas, fountains, and statuary. Built between 1893 and 1939, the historic structures include the Capitol, Finance, Forum, Matthew Ryan Legislative Office, and North, Northwest and South Office buildings.

## The Challenge

In a drive to save tax dollars through energy efficiency improvements, the Capitol Complex Energy Project was one of the most demanding guaranteed energy savings efforts the state ever attempted.



**Constellation** SM

An Exelon Company

## The Solution

In collaboration with the Pennsylvania Department of General Services (DGS), Constellation developed, constructed, and continues to monitor the savings generated by this high-impact project.

A sampling of the major energy conservation measures includes:

- 2,400 windows replaced
- 1,503 steam traps installed
- 14 variable-frequency fans and motor drives installed
- 332 lantern-style walkway pole lights converted to LED technology
- Direct digital control system upgraded and expanded
- Central chilled-water plant upgraded with two new 2,500-ton chillers
- All lighting retrofitted
- Building insulation upgraded
- Water conservation program instituted

## Highlights

- \$19 million capital improvements
- \$1.5 million 1st year savings achieved
- 15-year contract

## The Results

The project was started in July 2006 and was completed in February 2008. **The first year savings alone came to \$1.5 million and the capital improvements added up to \$19 million.**

## Call Us

To discover how we can put our expertise to work for you, call us today at **1.866.237.7693**.

**Constellation**, an Exelon company, is a leading competitive supplier of power, natural gas, renewable energy and energy management products and services for homes and businesses across the continental US. We provide integrated energy solutions that help customers strategically buy, manage and use their energy. Our customers, including two-thirds of the Fortune 100, rely on our commitment to innovation, reliability, transparency and service. That is the kind of value you and your communities can expect from Constellation.

© 2012. Constellation Energy Resources, LLC. The offerings described herein are those of either Constellation NewEnergy-Gas Division, LLC or Constellation NewEnergy, Inc., affiliates of each other and subsidiaries of Exelon Corporation. Brand names and product names are trademarks or service marks of their respective holders. All rights reserved. Errors and omissions excepted.



1.866.237.7693

[constellation.com/getinfo](http://constellation.com/getinfo)



**Constellation**<sup>SM</sup>

An Exelon Company