

CASE STUDY:

PENNSYLVANIA STATE CAPITOL COMPLEX

Comprehensive Energy Efficiency Guaranteed Savings Contract

FACILITY MODERNIZATION PROJECT

This project will use proven-effective technologies to maximize utility savings, and fund critical infrastructure needs.



PROJECT SNAPSHOT

Pennsylvania released an RFP seeking to modernize its Capitol complex. The goal: dramatically reduce utility costs while upgrading antiquated building systems.

TEN won the right to implement this project through the State's streamlined Guaranteed Energy Savings Act (GESA).

CUSTOMER PROFILE

Pennsylvania's Department of General Services (DGS) is a national leader in implementing innovative, cost-effective facility modernization projects.



Working with visionary state leaders, TEN is implementing a comprehensive project that maximizes energy savings, using cutting-edge engineered solutions and inventive operational strategies.

PROJECT RESULTS

OVER \$18 MILLION

Project Size

OVER \$1.2 MILLION

Guaranteed annual savings

Annual Environmental Savings

6,400 tons of CO₂

Diverse Enterprise Participation

over 50%

TECHNICAL COMPONENTS

- Upgrading over 20,000 lighting fixtures using cutting edge LED technology
- Installing three new magnetic-bearing chillers and pumps with smart controls
- Modernizing building controls, as well as retro-commissioning utility distribution systems
- Utilizing innovative technologies (like chilled water plant optimization software) as well as time-tested low-cost measures (like passive window film to reduce summer heat gain)



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