



**Project Cost**  
\$12,996,312

**Annual Project Savings**  
\$1,117,724



**Utility Conservation Measures**

- Boiler Plant Modifications
- HVAC Upgrades
- Energy Management System
- Pipe Insulation
- Comprehensive Lighting Retrofit
- Water Conservation
- School VAV A/C System



# Graterford Prison

Pennsylvania Department of Corrections  
**Graterford, PA**

## Comprehensive Energy Conservation Project

At 1.2 million square feet, Graterford Prison is the largest correctional facility in Pennsylvania. When an antiquated HVAC system, poor ventilation, high temperatures and the threat of losing the facility's American Corrections Association (ACA) accreditation began to cause problems for one wing of the maximum security prison, they knew something had to be done. When Schneider Electric offered a comprehensive solution that would not only solve the above issues, but also upgrade lighting, install a new energy management system, and conserve water, it just made sense for the prison to act on it.

By displaying an ability to meet the client's true needs as well as develop an appropriate measurement and verification approach, Schneider Electric was able to deliver a solution that worked for the prison's needs. Through the Schneider Electric project, the facility has seen several beneficial modifications: the replacement of some original HVAC units which were previously unable to be addressed through the capital budget; control of space temperatures to reduce inmate grievances; acquisition of efficient lighting and air conditioning upgrades; installation of water conservation measures; and assistance with ACA accreditation issues.