

## K-12 Energy Saving Performance Contracting

### A smart way for schools to improve energy efficiency and student performance






#### Introducing ConEdison Solutions' Energy Saving Performance Contracting

*Is your school looking for a way to upgrade facilities, improve the learning environment, reduce energy consumption, decrease its environmental impact, and lower its energy bills with no impact to capital or energy budgets?*

#### Try Our Multi-faceted, Cost-effective Program

In an **Energy Saving Performance Contracting (ESPC)** project, you'll be replacing old, inefficient, high-maintenance equipment with new state-of-the-art energy-efficient equipment — with no capital outlay or budget overruns.

#### ConEdison Solutions will:

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- Perform an initial energy assessment to determine the potential energy savings that can be achieved as a result of installing new energy-efficient equipment (heating, cooling, ventilation, controls, lighting, and motors);
  - Examine and evaluate the building envelope, including windows and roofs; and
  - Determine the environmental impact of each measure and develop a strategy for your school to be **Leadership in Energy and Environmental Design (LEED)** certified.

Our assessment will include recommendations for the application of renewable energy sources such as photovoltaics and geothermal technology.

#### The Importance of Energy Performance in Schools

Improving energy efficiency within your school building can provide several important benefits\*:

##### ■ Cost Effectiveness

Energy efficiency renovations can reduce a school district's energy costs by up to 30% annually. Life-cycle cost savings can be significant as a result of reduced liability, enhanced building longevity and durability, and reduced maintenance costs;

##### ■ Health of Occupants

Improved ventilation and indoor air quality contributes to occupant comfort, reduces absenteeism, and enhances overall performance;

##### ■ Student Performance

Studies indicate that students in energy-efficient schools with significant natural lighting can improve math and reading scores as much as 28% over students taught in traditional classrooms;

##### ■ Commitment to the Environment

Energy conservation, water conservation, improved land use, and the use of the school as a learning laboratory for energy sustainability all demonstrate commitment to the environment.

\*As reported in the Connecticut Green Building Council's Energy Efficiency Study of Connecticut Schools.

*With an ESPC your savings are guaranteed or we pay you the difference.*

ConEdison Solutions' Energy Saving Performance Contracting Program can help your school district score higher in energy efficiency while lowering its environmental impact.

## K-12 Energy Saving Performance Contracting

### The ESPC Process

ConEdison Solutions is responsible for identifying, implementing, monitoring, and maintaining energy saving opportunities. Applicable government and utility rebates and incentives will be identified and financing can also be arranged.

- **1. Initial Energy Assessment**  
Preliminary assessment of energy saving opportunities and evaluation of existing conditions. Estimated savings and installation costs are calculated.
- **2. Detailed Energy Audit**  
A comprehensive analysis of energy initiatives of interest to the school. Potential savings and firm implementation costs are outlined.
- **3. ESPC Negotiated**  
Based on the detailed energy audit results and the goals of the school, an ESPC agreement is developed. Baseline energy cost saving projections are established and financing costs are determined.
- **4. Project Plan**  
A project construction schedule will be provided that details all steps in the ESPC process including project milestones, school board review, and meeting schedule.
- **5. Engineering & Design**  
Integrated approach with life-cycle cost assessment. Renewable initiatives will be incorporated into the design specifications.
- **6. Construction**  
ConEdison Solutions will be the on-site general contractor to manage the work.
- **7. Commissioning**  
All installed systems will be tested to ensure they meet specifications.
- **8. School Staff Training**  
Staff will be trained to operate the equipment in accordance with specifications.
- **9. Measurement, Monitoring, Verification (optional)**  
Systems may be monitored to determine if actual savings are consistent with promised performance.
- **10. Operations & Maintenance (optional)**  
ConEdison Solutions can provide all of the operations and maintenance services required to support the efficiency improvements.
- **11. Savings Reconciliations & Guarantee (optional)**  
Annually an ESPC report will be provided that compares the projected energy savings with the actual energy saved.

**Cost and Risk-Free:** There is no up-front investment. Annual energy savings will be greater than or equal to the cost to finance the project — *guaranteed*.

### ConEdison Solutions' Energy Saving Performance Contracting Benefits

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| <ul style="list-style-type: none"> <li>■ Upgraded energy infrastructure</li> <li>■ Reduced operating costs</li> <li>■ Enhanced learning environment</li> </ul> | <ul style="list-style-type: none"> <li>■ Renewable energy learning opportunities</li> <li>■ No up-front capital required</li> <li>■ Improved equipment reliability</li> </ul> | <ul style="list-style-type: none"> <li>■ Energy savings guaranteed</li> <li>■ Turnkey installation services</li> <li>■ Reduced environmental impact</li> </ul> |
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ConEdison Solutions is a leading energy services company that provides competitive power supply, renewable energy, sustainability services, and cost-effective energy solutions for K-12 schools, commercial, industrial, residential and government customers. The company is based in Valhalla, New York with offices in Bloomington, MN; Burlington, MA; Cherry Hill, NJ; Chicago, IL; Duncanville, TX; Falls Church, VA; Houston, TX; Nashville, TN; Overland Park, KS and Tampa, FL. ConEdison Solutions offers programs and services designed to help customers achieve their energy objectives and is accredited as an Energy Services Provider (ESP) by the National Association of Energy Service Companies (NAESCO).

