

ENERGY PERFORMANCE CONTRACTING

For K-12 Schools

CONCERNS OF FACILITY MANAGERS



Replacing aging equipment



Addressing high cost/long term deferred maintenance needs



Budget constraints



Equipment being removed from Capital Projects



Helping district administration understand facility needs.

ESPC IS THE SOLUTION



ESPC SOLUTION

Energy Savings Performance Contracting (ESPC), is a strategic approach that enables K-12 schools to implement energy-efficient upgrades without upfront capital expenditures. This method leverages the cost savings from reduced energy consumption to finance the improvements, targeting budget neutrality.

PERFORMANCE CONTRACTING

Benefits for K-12 Schools

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- The background of the lower half of the slide is a photograph of large, circular HVAC units mounted on the exterior brick wall of a school building. The image is darkened to provide a good contrast for the white text.
- **No Upfront Capital Required:** Schools can undertake energy-focused improvement projects without the need for initial capital investment.
 - **Energy Savings:** Energy Service Companies (ESCOs) measure and verify the energy savings that will help cover the cost of the improvements, minimizing financial risk for the school district.
 - **Improved Learning Environments:** Upgrades often lead to better indoor air quality and more comfortable classroom settings, which can enhance student performance and well-being.
 - **Enhanced Facility Infrastructure:** Performance contracting allows for the modernization of outdated infrastructure, leading to improved facility operations and maintenance.

TYPICAL FACILITY IMPROVEMENT MEASURES



Building
Controls



Lighting
& Controls



HVAC
Upgrades



Renewable
Energy



Building
Envelope

COMBINING CAPITAL PROJECTS & ENERGY PROJECTS



Energy efficiency measures can pay for other facility improvements in the project scope



ESPC can help to reduce any tax impact caused by capital projects



Savings fund future capital projects by creating positive cash flow

OUR SERVICES



Investment Grade Audits

We conduct comprehensive energy audits to identify cost-saving opportunities and ensure accurate project scope and financial feasibility.



Design Engineering

Our team develops tailored, high-efficiency designs that optimize building performance while meeting district needs and budgets.



Project Management

We oversee every phase of implementation, coordinating contractors and ensuring timely, high-quality project completion.



Funding Support

We help secure financing through lease purchases, grants, rebates, and budget-neutral solutions to minimize financial strain on school districts.



Analytics and Commissioning

We utilize advanced data analytics to fine-tune systems for peak efficiency and verify that all upgrades perform as expected.



Measurement & Verification

We provide ongoing tracking and reporting to ensure guaranteed energy savings are met and sustained over time.



Why are we here?

- Performance Contracting for schools requires voter approval for energy savings with paybacks greater than 10-years
- We're asking that it gets changed to 20 year payback so that we can include more measures, like boiler replacements, roofs, and windows
- This will align with state of Vermont BGS, NH, and Maine Performance Contracting

PERFORMANCE CONTRACTING FOR K-12 SCHOOLS IN VERMONT



Under Vermont 16 V.S.A. 3448f (c)(3): “Voter approval of proposed performance contract. If the terms of the proposed performance contract permit the district to make payments to the contractor over a period of time exceeding ~~10~~ 20 years, then the district shall not enter into a final performance contract until it receives approval from the electorate to do so.”





THANK YOU!



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