



Energy Savings Performance Contract for the City and Public School District of Derby, CT



Presented by:

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The ECG Group

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Introduction to The ECG Group

- *Specialists* in Energy Savings Performance Contract (ESPC) Owner's Representative Services. *Experts* in technical consulting, energy evaluation and engineering design.
- ECG provides expert guidance from the beginning through to the design, contract and construction phases, staying with you in to the post-construction measurement & verification phase.
- 100+ EPC Projects in NY, CT, and PA – All projects meeting & exceeding guaranteed energy savings. *Local clients include Thomaston, Cheshire, Seymour, Southington, Waterbury, Guilford, Branford, East Haven, Region SD #13, and Capital Region Education Council (CREC).*



ECG is a CCM Energy Consultant
for all statewide ESPC projects

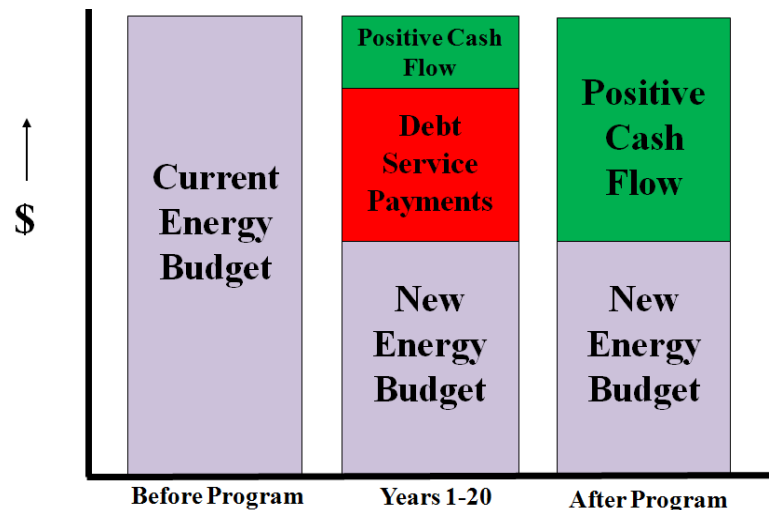
What is an Energy Savings Performance Contract (ESPC)?

- Partnership between a Municipal Agency, Energy Services Company (ESCO), and Owner's Representative.

- [City of Derby, Johnson Controls, and The ECG Group](#)

- Make needed building improvements now and pay for them out of future, guaranteed energy savings.

- ECG's model guarantees no out of pocket cost and no risk.





Activity to Date

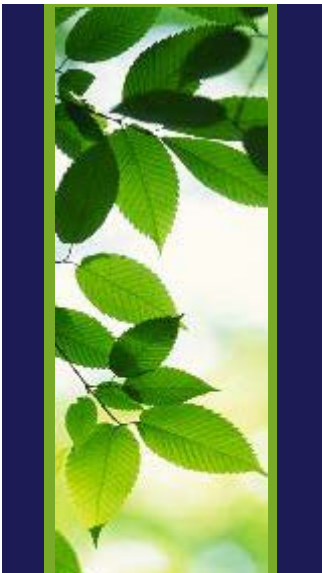
- City selected Johnson Controls via RFQ to conduct investment-grade, detailed energy audit – Winter 2017/18
- City procured The ECG Group to provide owner's representative and engineering services to oversee ESPC Initiative – Spring 2018
- Johnson Controls presented cost/savings/scope proposal from the investment-grade energy audit – Fall 2018
- The ECG Group conducts detailed evaluation of Johnson Controls' proposal on behalf of client – Fall/Winter 2018
- City executed Energy Savings Performance Contract (ESPC) to proceed with financing & implementation of the proposed upgrades – February 2019



Derby PS: Scope Overview

Facility Improvement Measures (FIMS)	Derby HS	Derby MS	Bradley School	Irving School
Comprehensive LED Upgrades	✓	✓	✓	✓
Temperature Controls		✓		✓
Pipe & Valve Insulation			✓	✓
Oil-Gas Conversion				✓
Boiler Upgrade			✓	
Domestic HW Upgrade	✓			
Computer Load Management	✓	✓	✓	✓
Water Conservation	✓	✓	✓	✓
Solar Photovoltaics		✓	✓	✓
Plug Load Controls	✓	✓	✓	✓
VRF Installation (HVAC Upgrade)				✓
Compressor Controls	✓	✓		✓
Transformer Upgrades		✓		

Red Font Indicates Major Scope Highlight





Next Steps

- Construction Kick Off Meeting last week
- Construction schedule is approximately 12-18 months
- Prioritize “Fast Payback” Measures to be implemented ASAP
- Target critical HVAC infrastructure upgrades for Summer 2019 construction window





Thank You!

For more information please contact:



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