

# Energy Performance Contract

Onondaga Central School District

Energy Performance Contract  
Project Overview  
Tuesday December 8, 2015



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- *K-12 Market Specialist*
- *Certified Energy Manager (CEM)*
- *STEM Team Leader*

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- *Certified Energy Manager (CEM)*
- *Green Energy Leader*
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**Steve Heaslip**  
**Account Executive**  
**C.E.M.**

# What is Performance Contracting?

An alternative means of funding building improvements with no cost impact to the District

- Increase energy efficiency and improve building environment
- Program is self-funding through energy retrofits
- Paid for from existing budgeted funds
- Qualifies for State Building Aid
- No bond vote is required
- Qualifies for energy grants
- No cost impact to the local taxpayer
- Guaranteed performance and savings

Onondaga CSD was  
Siemens 1<sup>st</sup> EPC  
Client in 1994



## Project Overview

Siemens has done a preliminary energy assessment of the buildings.  
Here are some of the key points:

- Facility improvements of approximately \$1 million with no cost impact to local taxpayers.
- Significant improvements to mechanical and electrical systems. More details on next page.
- \$56,500 in annual guaranteed energy savings off the existing \$250,000 utility budget. Approximately 23% guaranteed savings.
- Project may generate significant net financial benefit to the District through savings, building aid, and grants.
- Siemens assumes turn-key responsibility for the project with no change orders.
- Energy improvements can coordinate with future Capital Project planning and Building Condition Survey.

# Facility Improvement Measures (FIM's)

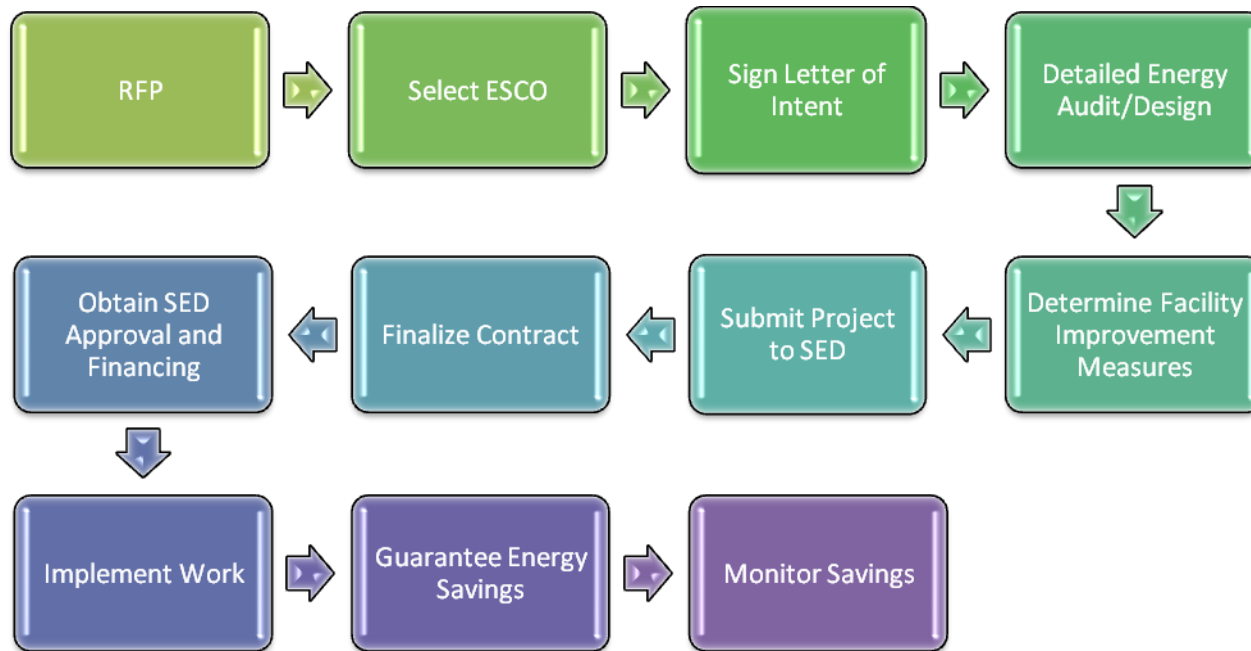
The preliminary walk thru of the buildings has identified the following list of potential energy saving Facility Improvement Measures (FIM's) that could be included in this project. The final energy audit will determine the actual list of improvements that can be implemented under this program.

Facility Improvement Measure	Jr./Sr. HS	Wheeler MS	Rockwell ES	Transportation Building	District Office	Industrial Arts	Technology Office
Replace Interior T8 fluorescent Lighting with LED lights	x	x	x	x	x	x	x
Plug Load Management	x	x	x				
Energy Management System-Additional Upgrades	x	x	x				
Walk-In Cooler / Walk-In-Freezer Controls	x	x					
Building Envelope Improvements			x	x	x	x	x
Kitchen Hood Control	x	x					
Server / Desktop Virtualization	x	x	x				
Replace Domestic Hot Water Heater with New Condensing Unit	x	x	x				
Replace Auditorium RTU with High Efficient Unit	x						
Replace Exterior Lights with LED	x	x	x	x	x		
Replace Natural Gas-Fired Unit Heaters with New Radiant Heating System				x			
Replace Natural Gas-Fired Furnace with New Condensing Furnace				x	x		
Solar Photovoltaic	x						

## Project Financial Summary

Project Financial Summary		
Project Implementation Cost		<b>\$1,017,104</b>
<u>Year 2 Data</u>		
	Annual Project Cost	(\$90,356)
	Performance Assurance	(\$17,765)
	Grants - National Grid/ NYSERDA	\$27,905
	Guaranteed Annual Energy Savings	\$58,201
	Building Aid 73.4%	\$59,685
Year 2 Net Benefit		\$ 37,669
18 Year Cumulative Net Benefit		\$549,047

# What is Performance Contracting Process?



# Questions?

Onondaga Central School District