

Ohio Facilities Construction Commission

School Performance Contract Program

Proposal Guide

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School Performance Contract Program - Proposal Guide

Introduction

The School Performance Contracting (SPC) (formerly known as H.B. 264) program was established in 1985 to allow school districts to make energy efficiency improvements to their buildings and use the cost savings to pay for those improvements.

This guide is organized by sections of information that should be included in your proposal. While the final form is up to you, all relevant and necessary data, methodology, calculations, and assumptions should be included in the submitted project proposal.

Proposals are to be submitted as a single searchable Adobe .pdf file. A printed copy of the proposal may also be included, if desired.

Submit to:

Elizabeth Lowery, Energy Project Coordinator
Elizabeth.lowery@ofcc.ohio.gov
Ohio Facilities Construction Commission
30 West Spring St, 4th Floor
Columbus, OH 43215
Telephone: 614-752-0454

Table of Contents

Section	Title
1	School District Checklist
2	Contact Information
3	Project Summary
4	School Board Resolution
5	Operational and Maintenance (O & M) Savings
6	Summary of Energy Conservation Measures (ECMs)
7	Project Financial Analysis
8	Energy Savings Calculations

School Performance Contract Program - Proposal Guide

Section 1: School District Checklist

School District _____ County _____

Before the project: these items should be considered before initiating a project

- The school district is not on fiscal watch, fiscal emergency, or academic emergency
- School district does not currently have any open OFCC construction projects
- The district is not currently participating in or planning to start an OFCC project (CFAP, ELPP, VFAP, or ENP)
- Date (year) of construction completion of last SPC project, _____ or N/A
- No outstanding debt from previous SPC project, or N/A
- No school district personnel costs are included in the project costs
- Estimated date of construction completion _____

Checking items on this list does not necessarily prohibit a SPC project, however if there is uncertainty about conflicts or eligibility, please contact Elizabeth Lowery, OFCC project coordinator, at 614-752-0454.

Submitted with the project: these are items to be submitted for OFCC approval

- Section 1: This checklist
- Section 2: Contact Information
- Section 3: Project Summary
- Section 4: School Board Resolution
- Section 5: Operational and Maintenance (O & M) Savings *read only, nothing to submit*
- Section 6: Summary of Energy Conservation Measures (ECMs)
- Section 7: Project Financial Analysis
- Section 8: Energy Savings Calculations
- I certify that any Operation and Maintenance (O & M) savings in this submittal are reasonable to attain, as proposed. For O & M savings above 10%, but less than 30%, I will provide verification for the savings claimed in the annual savings report, consistent with Section 5 of these guidelines.

School District Official *Signature*

Title

Date

School Performance Contract Program - Proposal Guide

Section 2: Contact Information

School District Information

School District _____ County _____

Primary Contact		Secondary Contact (optional)	
Name		Name	
Title		Title	
Mailing Address		Mailing Address	
E-mail		E-Mail	
Phone		Phone	

Energy Services Company Information			
Primary Contact		Secondary Contact (optional)	
Name		Name	
Title		Title	
Mailing Address		Mailing Address	
E-mail		E-mail	
Phone		Phone	

School Performance Contract Program - Proposal Guide

Section 3: Project Summary

<u>Location</u>		
District Name		
County		
Internal Reference Number (IRN)		
Number of Buildings Affected		
Building Names		
<u>Financial Information</u>		
Total Project Cost (including financing)	\$	
Average Annual Payment	\$	
Interest Rate		%
Payment Terms	Fixed annual payments for	years
Total Average Annual Savings	\$	
Average Annual Energy Savings	\$	
Average O & M Savings	\$	Per year for first 5 years
	\$	Per year if amortized over 15 years
Payback Period (Maximum 15 years)		Years
<u>Project and Contract Information</u>		
Estimated Date of Construction Completion		
Vendor		
Scope of Work (general description)		Brief Description
	ECM #1	
	ECM #2	
	ECM #3	
	ECM #4	
	ECM #5	
	ECM #6	
	ECM #7	
	ECM #8	

School Performance Contract Program - Proposal Guide

Section 4: School Board Resolution

If the board wishes to proceed with the project, it must forward to OFCC a board resolution (or if desired, multiple resolutions) that includes, at a minimum, and identifies by number the following items:

No.	Items to Include in Board Resolution
1	Name of selected Energy Services Company
2	Total cost of project including design, engineering, materials, installation, maintenance, repairs, measurement and verification of savings, and debt service
3	Total amount of money that the district would save in energy and resultant operational and maintenance costs over the financing period
4	Length of the financing period, not to exceed 15 years
5	Authorization to waive competitive bidding under ORC 3313.46 and acknowledgement that competitive selection process (RFQ) was followed per ORC 3313.372 and OAC 3318:1-10-1
6	Statement that the board is contracting/has contracted with an energy services company to create a report of analysis and recommendations to reduce energy consumption in buildings owned by the district
7	Statement that, after receiving the report, the board finds that the amount of money the district would spend on the resulting energy project is not likely to exceed the money it would save in energy and resultant operational and maintenance costs over the financing period
8	Authorization for the board to submit to OFCC a copy of its findings and a request for approval to incur indebtedness for the project
9	If the project is approved by OFCC, authorization for the board to contract with the selected energy services company for the project as submitted
10	Acknowledgement that the resulting contract(s) with the selected energy services company must contain a savings guarantee for term of the financing period, with the option of the district to consider the guarantee satisfied if three (3) consecutive successful annual savings reports are submitted to the OFCC
11	Statement that the district shall be responsible for submitting to OFCC an annual savings report certified by the treasurer, in a format prescribed by the OFCC, not less than 15 months after construction completion, and every 12 months thereafter
12	<p>(Option 1) A statement that if the OFCC review results in a material change to the project's scope, cost, or savings, the district must submit an amended resolution for board approval</p> <p>(Option 2) A statement that the board's approval is for an amount not to exceed the project cost presented in this resolution, and that the final scope, cost and savings may be less if the project still pays for itself out of savings within a 15-year period</p>

Section 5: Operational and Maintenance (O & M) Savings

Operational savings may be considered when the bottom-line actual costs for facility operations and maintenance (O & M) are reduced as a direct outcome of the project. The maximum savings from O & M cost reductions that can be included is 30 percent of annual project savings over a 5-year period.

Just as utility savings are based upon historical utility costs, O & M savings must be projected from a baseline of historical O & M costs.

O & M annual savings may be claimed for only the first five years of the project. This can be detailed on the financial analysis directly for the claimed years, or the five years of O & M savings can be amortized over the entire payback period by dividing the 5-year savings over the life of the project.

$$\% \text{ O \& M Savings} = \frac{\text{O \& M \$ Savings 1}^{\text{st}} \text{ 5 years}}{(\text{O \& M \$ Savings 1}^{\text{st}} \text{ 5 years} + \text{Energy \$ Savings 1}^{\text{st}} \text{ 5 years})}$$

For a 15-year project, the annual amortized O & M savings is:

$$\text{Annual Amortized Savings} = \frac{\text{O \& M \$ Savings 1}^{\text{st}} \text{ 5 years}}{\text{Project Life (15 years)}}$$

Operational Savings Forecast

Equal to or less than 10% of Savings for the First Five Years

O&M measures that generate savings less than or equal to 10% over five years can be listed in Table 1, Energy Conservation Measures Table, with a description and assumed savings of the O&M measures included in section 8, Energy Savings Calculations. Additional documentation is not required.

Above 10% of the Savings for the First Five Years

O & M measures that generate savings above 10% are treated as other ECMs:

- their savings are calculated from a verifiable baseline using current invoices or treasurer's records;
- their implementation must be the result of the project; and
- their savings must be verified in the annual savings report using invoices or treasurer's records.

O & M savings, if claimed, must be included in sections 3, 6, 7, and 8 of this submittal. No separate response is needed here for Section 5.

School Performance Contract Program - Proposal Guide

Section 6: Summary of Energy Conservation Measures (ECMs)

Provide summary information for each Energy Conservation Measure (ECM) that will be installed. Summarize ECM(s) by school facility. For convenience, the district may use the table below, adding additional rows or tables as necessary. ECMs include savings for electricity, fuel, water, sewer, and operation and maintenance.

- ECM #** = Number assigned to an Energy Conservation Measure
- ECM Short Description** = Short title for ECM, such as “Exterior Lighting Improvements”; the long description should be included in the energy savings calculations section
- Energy Savings (units)** = Total annual energy savings of the ECM, in the appropriate units of energy (kwh, mcf, ccf, etc.)
- Energy Savings (\$)** = Total annual energy savings in \$ of the ECM
- O & M Savings (\$)** = Operational and maintenance savings in \$ over the useful life of the measure, not to exceed 5 years
- Total Savings (\$)** = Energy Savings plus O & M Savings
- M&V method** = International Performance Measurement and Verification Protocol (IPMVP) method A, B, C or D

Energy Conservation Measure (ECM) Table						
ECM #	ECM Short Description	Annual Energy Savings (units)	Annual Energy Savings (\$)	Annual O & M Savings (\$)	Annual Total Savings (\$)	M&V method A/B/C/D
Totals						

School Performance Contract Program - Proposal Guide

Section 7: Project Financial Analysis

Please submit the project's financial analysis, including at a minimum the following items:

- Annual ECM Cost** = All costs associated with all ECMs for that year, including financing
- Annual M & V Cost** = Annual costs of measurement and verification, if not included in Annual ECM cost
- Annual Total Cost** = Annual ECM Cost plus Annual M & V Cost
- Annual Energy Savings** = Energy savings of all ECMs in that year
- Annual O & M Savings** = Operational & maintenance savings in that year, not to exceed 5 years
- Annual Total Savings** = Annual Energy Savings plus Annual O & M Savings
- Net Benefit, Year** = Annual Total Savings minus Annual Total Cost for that year
- Net Benefit, Cumulative** = Cumulative sum of net benefits through that year; must be a positive number in or prior to year 15

If the project is eligible for rebates or grants, the annual ECM cost must be the cost without rebates or grants applied. An exception is if the risk for the rebates or grants is assumed by the ESCO, and the ESCO is guaranteeing a fixed project cost regardless of the grant/rebate outcome.

Cash Flow Projection Table (all figures expressed in \$)								
Year	Annual ECM Cost	Annual M & V Cost	Annual Total Cost	Annual Energy Savings	Annual O & M Savings	Annual Total Savings	Net Benefit, Year	Net Benefit, Cumul.
1								
2								
3								
4								
5								
6					0			
7					0			
8					0			
9					0			
10					0			
11					0			
12					0			
13					0			
14					0			
15					0			
Total								

Section 8: Energy Savings Calculations

Energy savings calculations are to be supplied for each ECM that is listed in Section 6: Summary of ECMs. This section must include:

- A narrative description of the ECM;
- All material assumptions, including current equipment condition and operation, and future operating schedules (if applicable);
- Calculations and formulas used in the analysis;
- Energy units and dollars projected to be saved, consistent with Section 6.
- Baseline of energy units, cost per energy unit, dollars spent per building

The baseline period for the energy analysis is a minimum of twelve months of the most recent energy data preceding the design of the project. For weather-dependent ECMs, please include baseline heating or cooling degree days. If modeling is utilized, input information and assumptions must be clearly identified and defined.

Duplicated equipment and systems may be grouped as appropriate to avoid repeating the same information multiple times.

Include cut sheets for major pieces of equipment being installed as part of the ECMs.

Residual Value

If a project is being considered for a building that has been constructed or renovated using OFCC program funds, then the proposal may be required to include calculations of foregone residual value. As required by ORC 133.06(G), residual value is intended to consider the financial impact of replacing equipment that still has outstanding state debt within its useful life.

Residual value calculations are required only for those systems or equipment that had an original cost greater than \$50,000. If an ECM is being proposed for such equipment, start with the year of construction completion, and add the number of years of expected useful life for the equipment under consideration. If the sum of these two is greater than the present year, then residual value applies.

Example:

Construction completion: 2011
Equipment useful life: 15 years
Equipment original cost: \$100,000
 $2011 + 15 = 2026 > 2017$ (residual value applies)

Residual value of equipment or system being replaced:
Residual Value = original cost * [(useful life – years in use) / useful life]
Residual Value = \$100,000 * [(15 – 6)/15] = \$60,000

For the purposes of calculating payback, a residual value of \$60,000 is added to the project cost. This calculation is to be repeated for each system for which residual value is applicable.

Savings must pay for the entire project cost, including the project's calculated residual value, within the maximum of 15 years.