

# Annual Savings Report

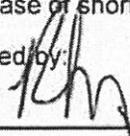
## State of Ohio Standard Forms and Documents

Project Name Riverdale Loca Schools Exterior Lighting Date 07/25/17  
 Project Number 1370

Project Summary	
School District Name	Riverdale Exterior Lighting
State Project Number (SN)	1370
School Building Name(s)	K-12 Exterior Lights Administration Building
Total Project Cost (\$)	90,479
Length of Contract Term (years)	15
Projected Avg. Annual Savings (\$)	9887.49
Construction Started/Completed	Start Date: 6/1/15      Completion Date: 12/18/15
Reporting Year (1, 2 or 3)	1
ESCO Name	H.E.A.T. Total Facility Solutions
ESCO Address	5064 Red Bank Rd. Galena, OH 43021
ESCO Phone Number	740-965-3005
ESCO Contact Person	Ron Thomas, President
ESCO E-mail Address	rthomas@heatffs.com

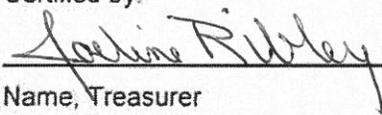
At a minimum, the following items must be included in the annual report in order to support the summary table above. Additional information may be included and the items below are in no particular order within your report. Please check that the following are included in the report:

- Baseline utility tables (gas, electric, water/sewage, etc.) including rates
- Actual monthly utility data for the current year
- List of adjustments from baseline to current year and the supporting documentation
- Adjusted utility tables for the current reporting year
- Conclusion as to whether the project has met its savings projection
- Conclusion as to whether the project has met its guarantee (for projects approved after September 2013)
- In case of shortfall, what measures are proposed to remedy the shortfall (if applicable)

Prepared by: 

Ron Thomas, President  
ESCO Name

Date

Certified by: 

Name, Treasurer  
School District

Date

5-9-2018

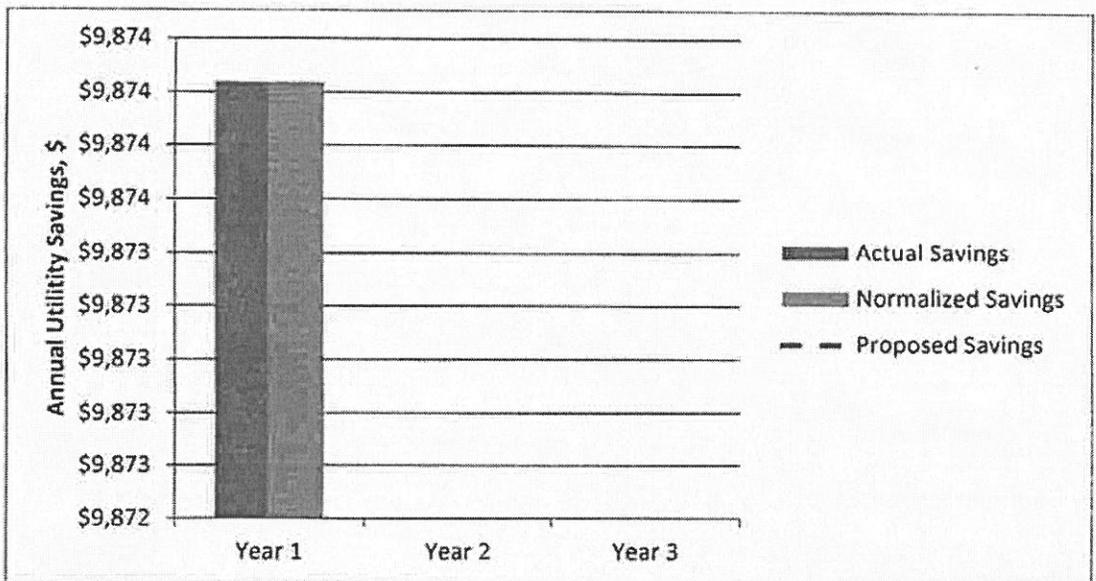
# Annual Savings Report

Utility Table

Electricity	Baseline	Proposed	Actual	Adjusted Baseline year	Adjusted Current year
Annual Usage, kWh	126294	37574	37574	126294	37574
Annual Cost, \$	\$14056	\$4182	\$4182	\$14056	\$4182
CDD	0		0	0	0
<b>Fuel (if applicable)</b>					
Fuel (if applicable)	Baseline	Proposed	Actual	Adjusted Baseline year	Adjusted Current year
Annual Usage, _____ Units					
Annual Cost, \$	\$	\$	\$	\$	\$
HDD					
<b>Water/Sewage (if applicable)</b>					
Annual Usage _____ Units					
Annual Cost, \$	\$	\$	\$	\$	\$
<b>Total Annual Utility Cost, \$</b>	<b>\$14056(A)</b>	<b>\$4182(B)</b>	<b>\$4182(C)</b>	<b>\$14056(D)</b>	<b>\$4182(E)</b>

Note: Adjustments can be to baseline year or current (measured) year, or both if baselines are adjusted to a historical average. Adjustments include weather, occupancy, utility rate, over-rides, additions, etc. Please justify these adjustments in the body of the report.

Utility Savings Chart (Example. Delete and replace with actual project data)



Proposed Savings = A-B  
 Actual Savings = A-C  
 Adjusted Savings = A-E, or D-C, or D-E

## Annual Savings Report

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Riverdale Local Schools HB264 project was for exterior lighting only. Therefore weather normalization or other adjustments do not factor into the annual savings. For the exterior lighting the lights run for a set number of hours per day. We took the before wattage for the baseline year and the after wattage for the current year because the exterior lighting does not vary, the only way to show the correct savings was to use the before wattage total as the baseline year and the after wattage for the current year.

The project has met its savings projections.

**Electricity Savings**

Building	KWH CONSUMPTION			ELECTRICITY COSTS			COST SAVINGS		
	Prior to Project	After Project		Prior to Project	After Project		Actual		Estimated
	Baseline	Simple	Adjusted	Baseline	Simple	Adjusted	Simple	Adjusted	OSFC Submittal
Riverdale Exterior Lighting	115,067	35,633	35,633	\$12,807	\$3,966	\$3,966	\$8,841	\$8,841	\$8,841
Riverdale Administration Bldg	11,227	1,941	1,941	\$1,250	\$216	\$216	\$1,034	\$1,034	\$1,034
	126,293	37,574	37,574	<b>TOTAL ELECTRICITY SAVINGS</b>			<b>\$9,874</b>	<b>\$9,874</b>	<b>\$9,875</b>

TOTAL ENERGY SAVINGS		
\$14,056	\$4,182	\$4,182
<b>\$9,874</b>	<b>\$9,874</b>	<b>\$9,875</b>

## Riverdale Local Schools - Exterior Lights

Energy Savings - Electricity

### Riverdale Exterior Lighting

Electricity Consumption Prior to HB 264 Project				Electricity Consumption After the HB 264 Project					
Year 2014-2015	Cooling Degree Days (CDD)	KWH	Cost	Year 2016-2017	Cooling Degree Days (CDD)	KWH	Weather Normalization Adjustment	Weather Adjusted KWH Usage	Cost
Nov	0	9,458	\$ 1,052.62	Nov	0	2,929	0	2,929	\$ 325.97
Dec	0	9,773	\$ 1,087.71	Dec	0	3,026	0	3,026	\$ 336.84
Jan	0	9,773	\$ 1,087.71	Jan	0	3,026	0	3,026	\$ 336.84
Feb	0	8,827	\$ 982.45	Feb	0	2,734	0	2,734	\$ 304.24
Mar	0	9,773	\$ 1,087.71	Mar	0	3,026	0	3,026	\$ 336.84
Apr	0	9,458	\$ 1,052.62	Apr	0	2,929	0	2,929	\$ 325.97
May	0	9,773	\$ 1,087.71	May	0	3,026	0	3,026	\$ 336.84
Jun	0	9,458	\$ 1,052.62	Jun	0	2,929	0	2,929	\$ 325.97
July	0	9,773	\$ 1,087.71	July	0	3,026	0	3,026	\$ 336.84
Aug	0	9,773	\$ 1,087.71	Aug	0	3,026	0	3,026	\$ 336.84
Sept	0	9,458	\$ 1,052.62	Sept	0	2,929	0	2,929	\$ 325.97
Oct	0	9,773	\$ 1,087.71	Oct	0	3,026	0	3,026	\$ 336.84
<b>TOTALS</b>	<b>0</b>	<b>115,066.52</b>	<b>\$ 12,806.90</b>	<b>TOTALS</b>	<b>0</b>	<b>35,633</b>	<b>0</b>	<b>35,633</b>	<b>\$ 3,965.97</b>

Cost per KWH \$ 0.1113

Cost per KWH 0.1113

8,841

Dusk to Dawn Exterior Fixtures runtime 4303

	Simple Reduction
KWH Reduction	79,433
KWH Reduction Percentage	69.0%

H.E.A.T. Total Facility Solutions

**Riverdale Local School District  
Energy Savings - Electric Outdoor Lighting**

**Riverdale Administration Building**

Electricity Consumption Prior to HB 264 Project				Electricity Consumption After the HB 264 Project					
Year 2010-11	Cooling Degree Days (CDD)	KWH	Cost	Year 2014-2015	Cooling Degree Days (CDD)	KWH	Weather Normalization Adjustment	Weather Adjusted KWH Usage	Cost
Nov	0	923	\$ 102.70	Jul	0	160	0	160	\$ 17.75
Dec	0	953	\$ 106.12	Aug	0	165	0	165	\$ 18.34
Jan	0	953	\$ 106.12	Sep	0	165	0	165	\$ 18.34
Feb	0	861	\$ 95.85	Oct	0	149	0	149	\$ 16.57
Mar	0	953	\$ 106.12	Nov	0	165	0	165	\$ 18.34
Apr	0	923	\$ 102.70	Dec	0	160	0	160	\$ 17.75
May	0	953	\$ 106.12	Jan	0	165	0	165	\$ 18.34
Jun	0	923	\$ 102.70	Feb	0	160	0	160	\$ 17.75
July	0	953	\$ 106.12	Mar	0	165	0	165	\$ 18.34
Aug	0	953	\$ 106.12	Apr	0	165	0	165	\$ 18.34
Sept	0	923	\$ 102.70	May	0	160	0	160	\$ 17.75
Oct	0	953	\$ 106.12	Jun	0	165	0	165	\$ 18.34
<b>TOTALS</b>	<b>0</b>	<b>11,227</b>	<b>\$ 1,249.51</b>	<b>TOTALS</b>	<b>0</b>	<b>1,941</b>	<b>0</b>	<b>1,941</b>	<b>\$ 215.99</b>
									<b>\$ 1,033.52</b>

Cost per KWH \$ 0.1113

Cost per KWH \$ 0.1113

Dusk to Dawn Exterior Fixtures runtime 3650

	Simple Reduction
KWH Reduction	9,286
KWH Reduction Percentage	82.7%