

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION

IN RE: PASCOAG UTILITY DISTRICT :
DEMAND SIDE MANAGEMENT : DOCKET NO. 4894

PUBLIC UTILITIES COMMISSION'S
FIRST SET OF DATA REQUESTS DIRECTED TO PASCOAG UTILITY DISTRICT
(Issued November 16, 2018)
(Responses due November 26, 2018)

1-1. Please provide responses to the following:

- a. Provide a copy of any Memorandum of Understanding or other written agreement with the Office of Energy Resources or any other agency or entity relating to all funds received from the Regional Greenhouse Gas Initiative (RGGI);**

Answered by Desarae Dolan:

There are two allocations of RGGI funding.

The 2018-A Allocation was made in April 2018 “to support the accelerated adoption of cost-effective energy efficiency measures by customers located in the Pascoag Utility District (PUD).” This funding is supporting a cost-effective lighting upgrade in three Burrillville schools within Pascoag territory. Please see attached-Memorandum of Understanding The 2018-A Plan for the Allocation and Distribution of Regional Greenhouse Gas Initiative Auction Proceeds and Memorandum of Understanding Between Pascoag Utility District and the Burrillville School Department.

The 2018-B Allocation was made in August 2018 “to support the delivery of cost-effective energy efficiency programs and incentives to electric utility customers in the Pascoag Utility District (PUD).” This funding will be disbursed 2019-2021 to enhance access to PUD’s DSM programs. An MOU for the 2018-B RGGI Allocation is currently in development.

- b. Please explain whether there are any restrictions on the use of the RGGI funding;**

Answered by Desarae Dolan:

The use of the RGGI funding is for the purpose of, “*the accelerated adoption of cost-effective energy efficiency measures by customers located in the Pascoag Utility District.*” Pascoag Utility has worked closely with the staff of OER to develop a strategic plan to use these funds, with a primary focus on energy audits and weatherization efforts. Use of RGGI proceeds is governed by §23-82-6 of the Rhode Island General Laws and includes promotion of cost-effective energy efficiency and conservation.

- c. Provide a description of each project or program funded in whole or in part with funding from RGGI, including a description of the scope of work to be performed, the start dates, and the completion or estimated completion date;**

Answered by Desarae Dolan:

In 2018, the Burrillville School Department lighting project was funded in part, with \$100,000 from RGGI fund (2018-A Allocation). The total cost of the project is \$169,794.00. The lighting project will install LED lighting throughout three of the four schools (A.T. Levy, Steere Farm Elementary and Callahan Elementary) located in PUD's territory. Please see the attached lighting schedule for each school. The inventory for the project is in the process of being shipped and they are estimating a start date of December 1st and a completion date of December 31st. They will have installation crews working second shift and during the day during Christmas break to facilitate this.

In 2019, RGGI funds (2018-B Allocation) will be used to increase funding and expand the residential energy audit with weatherization incentives program. This will fund no-cost energy audits for residential customers and weatherization incentives for insulation, air sealing and programmable thermostats. Insulation will be incentivized at 75% of cost, up to \$800. Air sealing will be incentive at \$75% of cost, up to \$500. We will also provide rebates for wireless (\$100) and non-wireless programmable thermostats (\$25). The program will be funded with \$65,000 from RGGI funds. The program will begin on January 1, 2019 and run through December 31, 2019. In 2020-2021, remaining RGGI funds may be either re-allocated to the residential energy audit/weatherization incentive program or may be allocated to other cost-effective energy efficiency measures, or some combination of the two, depending on the successes and challenges of the residential program in 2019.

- d. For each such project or program, please provide the following:**

- i. Amounts paid to date and on a yearly basis;**

Answered by Desarae Dolan:

Burrillville School Department Lighting Project

No funds have been released to date for this project. Funding will be provided upon completion and inspection of the project by PUD and OER at the end of the year. When the project is completed, PUD will provide \$46,000 from Demand Side Management funds. OER will provide \$100,000 from RGGI 2018-A Allocation and the Burrillville School Department will provide the remaining \$23,794. During the previous two years, PUD dedicated \$9,260 in incentives to the Burrillville School Department for energy efficiency measures.

PUD budgeted \$4,020 in 2018 for home energy audits with incentives. PUD has spent \$4,020 on 17 energy audits to date.

PUD typically dedicates an average of \$3,500-\$4,500 to energy

audits on a yearly basis. No RGGI funding (2018-B Allocation) has been paid to date.

ii. Remaining balance; and

Answered by Desarae Dolan:

Because no funds have been disbursed for the Burrillville School Lighting Project, all \$100,000 RGGI funds (2018-A Allocation) remain. \$46,000 remains to be paid to the Burrillville School Department from PUD's Demand Side Management program.

PUD has spent all of the funds associated with home energy audits in 2018. Because no funds have been disbursed for the residential energy audit/weatherization incentive program, all \$200,000 RGGI funds (2018-B Allocation) remain, subject to execution of MOU.

iii. Anticipated expenditures.

Answered by Desarae Dolan:

PUD does not anticipate any additional expenditures for either of these programs in 2018.

1-2. Please explain whether the \$100,000 in RGGI funding was paid directly to the Burrillville School Department.

Answered by Desarae Dolan:

The RGGI funds have not been distributed to the Burrillville School Department, as the project has not been completed and inspected. Once the project has been completed, inspected and invoices have been reviewed; both PUD and OER will sign off on the project. The \$100,000 will be transferred to PUD and a check will be cut by PUD, in the amount of \$146,000 payable to the Burrillville School Department. The Burrillville School Department will be responsible for paying their contractor.

1-3. As described in the scheduling conference on November 15, 2018, the PUD expects to receive \$200,000 in RGGI funds over the next three (3) years. Please explain whether those funds are guaranteed, and if not, whether there are any conditions that the PUD must meet in order to receive those funds.

Answered by Desarae Dolan:

The RGGI 2018-B Allocation is contingent on spending on cost-effective energy efficiency programs and incentives for electric utility customers in PUD territory in alignment with the Energy Efficiency Strategy included in Schedule K of the 2019 DSM Plan, execution of an MOU, and RIGL §23-82-6 (governing use of RGGI proceeds as described in 1-1 (b)).

1-4. Referring to Schedule A-2, please explain why you used the Proposed 2018 Budget instead of the actual expenditures for 2018 to date. Please provide a comparison of actual expenditures year to date and the Proposed 2019 expenditures.

Answered by Desarae Dolan:

PUD has always provided a comparison of what the current year's proposed budget was and what we are proposing for the new year so the changes from year to year can be easily seen. This has been asked of us in the past and is part of the format we normally submit. In Schedule D-1, we submit our expenditures to date and provide projected expenses in D-2. Please see the attached comparison of actual expenditures year to date and the Proposed 2019 expenditures.

1-5. Please provide a copy of the RFP for the Energy Efficiency Consultant.

Answered by Desarae Dolan:
Please see attachment.

1-6. Please provide a copy of the RFP for the energy efficiency audits.

Answered by Desarae Dolan:
Please see attachment.

1-7. Referring to page 22 of Schedule C, please explain the changes that you expect to implement in the next few years that you believe will result in a heavier workload. Please explain the scope of the internship, including the expected responsibilities of the intern and how that intern will address the heavier workload.

Answered by Desarae Dolan:

PUD is anticipating a heavier workload in 2019 because we intend to dedicate a significant amount of time reviewing each of our programs with our proposed energy efficiency consultant. We have also increased our home energy audit program from 12 to 120 homes this year. This will require a great deal of marketing and promotion in order to reach our goal, as well as an increase in incentives that need to be processed. In addition, we will continue working with OER to map out our programmatic strategies for the coming years. The Demand Side Management Coordinator would like to focus on programmatic review and data as much as possible in 2019. The intern would be able to help with marketing and promotion of the home energy audit program, assistance with event management of community outreach events and day to day tasks such as processing rebates, among other things. Although, PUD operates efficiently with a small staff, it would benefit from an intern that could handle some of the more basic tasks; freeing up the Demand Side Management Coordinator for more analytical work.

1-8. Please provide an update on the status of the application to the Workforce Board-Work Immersion Program, and explain what the PUD plans to do with the 35% reimbursement if approved.

Answered by Desarae Dolan:

PUD cannot apply for the Workforce Board-Work Immersion Program until we receive the name and information of the intern that will be assigned to us and the intern is approved by the RI Public Utilities Commission. If PUD is provided reimbursement through the program, we will ask for permission from the RIPUC to use those funds for a program that is performing better than anticipated.

- 1-9. Referring to Schedule D-1, as of October there is a balance of \$89,209 in the DSM Program budget, but the PUD only expects to carryover \$9,106 into 2019. Please describe the PUD's expected November and December expenditures and provide an update of November's expenditures when they become available.**

As of November 19th, the balance for the 2018 Demand Side Management budget is \$72,385. We expect to issue \$46,000 to the Burrillville School Department by the end of the year and are in the process of reviewing a lighting project with a local farm to use the remaining Committed Funds-Lighting & EE Projects (\$4,640). We have not processed Administrative costs for October-December (\$7,224 remaining). The invoice for the energy efficiency calendars that is part of the Jesse Smith Library Partnership has not been processed yet (\$3,200). If all goes as anticipated, \$11,321 would remain which does not include energy star rebates that will need to be processed for the remainder of November and December (estimated \$2,215). PUD believes it will be very close to an expected carryover of \$9,106. We will submit November's expenditures when they become available.

- 1-10. Please provide an update of the C-PACE program.**

Answered by Desarae Dolan:

PUD's General Manager wrote a letter of support for the C-PACE program and appeared before the Town Council on October 24th to encourage the adoption of the C-PACE ordinance. The Town Council directed the Town Manager to conduct further research into the program by reaching out to other municipalities that have implemented the C-PACE program. Please see attached letter of support.

- 1-11. Please explain whether the PUC has made any efforts to facilitate commercial financing options through a third-party bank as detailed in Strategy #6 4 of Schedule B.**

Answered by Desarae Dolan:

PUD has not made any efforts to facilitate commercial financing options through a third-party bank as we have focused mainly on the C-PACE program this year. PUD hopes to further investigate commercial financing options, if there is no progress made on C-PACE.

- 1-12. Referring to Page 8 of the Executive Summary, please describe when you expect to include Battery Storage and Electric Vehicles and Charging Infrastructure in the DSM budget.**

Answered by Desarae Dolan:

PUD has no immediate plans to include Battery Storage or Electric Vehicles and Charging Infrastructure into the DSM budget. We are exploring grant opportunities to fund programs related to Electric Vehicles or Charging Infrastructure.

Attachments

for

1-1a

**MEMORANDUM OF UNDERSTANDING
THE 2018-A PLAN FOR THE ALLOCATION AND DISTRIBUTION OF REGIONAL
GREENHOUSE GAS INITIATIVE AUCTION PROCEEDS**

This Memorandum of Understanding (“Agreement”) is entered into as of September 28, 2018, by and between the RHODE ISLAND OFFICE OF ENERGY RESOURCES (“OER”), the RHODE ISLAND DEPARTMENT OF ADMINISTRATION (“DOA”), and the PASCOAG UTILITY DISTRICT (“PUD”) (collectively, the “Parties”).

RECITALS

WHEREAS, OER is an office in the executive branch of the State of Rhode Island ("State") government established pursuant to R.I. Gen. Laws § 42-140-2;

WHEREAS, DOA is a department in the executive branch of State government established pursuant to R.I. Gen. Laws § 42-11-1, and in accordance with R.I. Gen. Laws § 42-140-2 and Volume I, page 4, of the State of Rhode Island and Providence Plantations Fiscal Year 2018 Budget, OER is assigned to DOA for administrative purposes;

WHEREAS, PUD is a quasi-municipal corporation, district and political subdivision of the State created pursuant to R.I. Gen. Laws § 45-58-4;

WHEREAS, on February 21, 2018, 2018-A PLAN FOR THE ALLOCATION AND DISTRIBUTION OF REGIONAL GREENHOUSE GAS INITIATIVE AUCTION PROCEEDS (“2018-A RGGI Plan”) was proposed in accordance with R.I. Gen. Laws § 23-82-6;

WHEREAS, on March 26, 2018, a public hearing regarding the 2018-A RGGI Plan was held in accordance with R.I. Gen. Laws § 23-82-6;

WHEREAS, on April 10, 2018, the 2018-A RGGI Plan was finalized in accordance with R.I. Gen. Laws § 23-82-6;

WHEREAS, pursuant to R.I. Gen. Laws § 23-82-6(c), OER is responsible for authorizing the disbursement of funds in accordance with the 2018-A RGGI Plan; and

WHEREAS, Section 5.4.2.f of the 2018-A RGGI Plan provides that “\$100,000.00 (One Hundred Thousand Dollars) shall be allocated to support the accelerated adoption of cost-effective energy efficiency measures by customers located in the Pascoag Utility District (PUD). OER will work in coordination with PUD management to leverage system benefit charge funding, enhance incentive and program offerings, and identify cost-effective investment opportunities in the community.

NOW, THEREFORE, the Parties enter into this Agreement for purposes of implementing Section 5.4.2.f of 2018-A RGGI Plan.

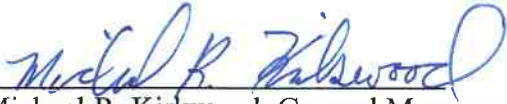
AGREEMENT

In consideration of the foregoing recitals and the covenants contained herein, the Parties hereby agree as follows:

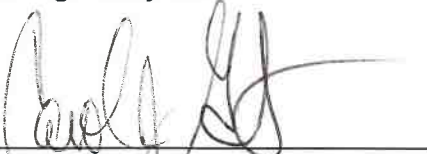
1. **Authority.** The implementation of the 2018-A RGGI Plan is authorized by the *Rhode Island Implementation of the Regional Greenhouse Gas Initiative Act*, R.I. Gen. Laws § 23-82-1 et seq.
2. **Commencement of Work Utilizing RGGI Funds.** No work which utilizes RGGI funds shall commence until execution of this Agreement and until a purchase order is issued by or a purchasing agreement is executed by the State of Rhode Island Division of Purchases.
3. **Invoices:** All invoices for work performed by PUD or its contractors shall be submitted to OER for review. Invoices shall be submitted on the fifth of each month for all work performed in the previous month. Invoices shall at a minimum contain the following information: Project address, project description, date the work was performed and cost of the project.
4. **Payments:** Following review of invoices payment shall be made to PUD.
5. **Program Reporting.** PUD shall submit a report to OER within sixty (60) business days following the conclusion of the Program. At a minimum, the report shall include the following information:
 - Total number of unique projects funded;
 - A complete listing of all individual projects funded, including:
 - Project name/recipient;
 - Project description;
 - Total project cost;
 - Amount of RGGI funds utilized;
 - Projected project life;
 - Projected annual and lifetime MWh avoided;
 - Projected annual and lifetime MMBtu avoided;
 - Projected annual and lifetime energy savings, if applicable; and
 - Projected CO₂ avoided (metric tons CO₂) on an annual and lifetime basis.
 - Any additional information or data regarding the program as requested by OER.
6. **Press Releases.** PUD shall notify OER of any known press releases, interviews, and/or news articles related to these projects. PUD shall ensure that language is included stating that the projects were funded by OER using Regional Greenhouse Gas Initiative auction proceeds, whenever possible.

7. **Monitoring.** OER reserves the right to monitor the program. Monitoring shall include, but is not limited to: financial audits, visits to project site locations by OER personnel and gathering data in digital and print formulas.
8. **Effective Dates.** This Agreement becomes effective upon the date of the last approving signature and remains in effect until December 31, 2019.
9. **Amendments.** This Agreement may be amended from time to time upon written agreement by the Parties.
10. **Termination.** OER or PUD may terminate this Agreement at any time by giving written notice to the other Parties of such termination and specifying the effective date thereof and the cause for the termination.
11. **Mediation of Disputes.** The parties agree that if there is a dispute between OER and PUD arising out of this Agreement, OER and PUD will notify the director of DOA or his or her designee of the matter that cannot be resolved. PUD and OER shall defer to a resolution of the dispute set forth by the director of DOA or his or her designee.
12. **Audits.** OER and duly authorized officials of the State shall have full access and the right to examine any pertinent documents, papers, records and books of PUD and of persons or organizations that PUD may contract with, which involve transactions related to this Agreement.
13. **Record Retention.** PUD shall retain all documents, papers, records and books that are pertinent to this Agreement for a period of three (3) years following the termination of this Agreement or until all audit findings have been resolved, whichever is later; or until all transactions have taken place, whichever is later.
14. **Copyright.** No reports, maps, or other documents produced in whole or in part under this Agreement shall be the subject of any application for copyright by or on behalf of PUD.
15. **Governing Law.** This Agreement has been executed and delivered in the State of Rhode Island, and all questions arising out of or under this Agreement shall be governed by the laws of the State of Rhode Island. Venue of any action brought with regard to this Agreement shall be in Providence County Superior Court and the Parties agree to personal jurisdiction of said court.
16. **Severability.** Each article of this Agreement is hereby declared to be an independent section. If any article or section is held to be void, ineffective or unconstitutional for any cause, it shall not be deemed to affect any other article or section thereof; and all other parts shall continue to full force and effect.


The Parties through their authorized representatives have executed this Agreement as forth below.


Michael R. Kirkwood, General Manager
Pascoag Utility District


Sept. 27, 2018
Date


Carol Grant, Commissioner
Office of Energy Resources

Sept 28, 2018
Date


Michael DiBiase, Director
Department of Administration

10/1/18
Date

Approved as to form
by legal
 9/23/18



Burrillville Schools Lighting Project

Memorandum of Understanding

Between
Pascoag Utility District
and
Burrillville School Department

This Memorandum of Understanding (MOU) sets for the terms and understanding between the Pascoag Utility District and the Burrillville School Department to begin work on three lighting projects located at A.T. Levy School, Callahan Elementary School and Steere Farm Elementary School, with work to be performed by RISE Engineering.


Purpose

This MOU outlines the responsibilities that each party has to undertake in order to complete these lighting projects and receive funding.

- Pascoag Utility District (PUD) will receive \$100,000 from RIOER for the purpose of adopting cost-effective energy efficiency measures by customers located in the Pascoag Utility District territory. PUD has identified three Burrillville school lighting projects that would qualify for the use of these funds. These funds are to be used for the sole purpose of the A.T. Levy School, Callahan Elementary School and Steere Farm Elementary School lighting projects. Use of these funds for anything other than this purpose, will result in disqualification from receipt of the funding.
- PUD has also committed \$46,000 from its Demand Side Management program funds as an incentive for this project. These funds are to be used for the sole purpose of the A.T. Levy School, Callahan Elementary School and Steere Farm Elementary School lighting projects. Use of these funds for anything other than this purpose, will result in the disqualification from receipt of the funding.
- The Burrillville School Department has committed \$23,794 to the school lighting project.
- The Burrillville School Department has chosen to contract with RISE engineering for this project. Pascoag Utility District will issue a check in the amount of \$146,000 to the Burrillville School Department once the project is complete and Pascoag Utility District and RIOER have signed off on it. It is the responsibility of the Burrillville School Department to issue payment to RISE Engineering in the amount of \$169,794.
- A pre/post inspection must be conducted by Pascoag Utility District and RIOER.
- Pascoag Utility District and RIOER must review invoices before payment is issued.
- RISE Engineering can begin work on this project once this contract is signed.


Desarae Dolan
Pascoag Utility District

10-17-18
Date


Bill Robinson
Burrillville School Department

10-17-18
Date

Attachment

for

1-1c

1-10



Facility Name: Steere Elementary School
 Facility Address: 915 Steere Farm Rd.
 City, State, Zip: Pasco WA 99301
 Contact: Bill Robinson

ECM Lighting & Sensors

LOCATION				EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS	
Line Item	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixt Qty	Existing Hours	Watts	KW	KWh	Proposed Device Code	Proposed Fixture Type	Proposed Hours	Watts	KW	KWh	Fixt Qty	Proposed Hours	Watts	KW	KWh	KW Saved	KWh Saved	
1	STEERE	4TH	RM 401	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.46	1,026	12	2250	38	0.46	1,026	0.41	918	
2	STEERE	4TH	CUSTODIAL RM	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	R/UB WITH 1 - 12W LED 4' LAMP	2250	14	0.01	32	1	2250	14	0.01	32	0.01	23	
3	STEERE	4TH	RM 402	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	8	2250	72	0.58	1,296	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.30	684	8	2250	38	0.30	684	0.27	612	
4	STEERE	4TH	RM 402	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	3	2250	102	0.31	699	1L063	R/UB WITH 3 - 20W LED 2' BIAx LAMPS	2250	63	0.19	425	3	2250	63	0.19	425	0.12	283	
5	STEERE	4TH	ELECTRICAL CLOSET	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	R/UB WITH 1 - 12W LED 4' LAMP	2250	14	0.01	32	1	2250	14	0.01	32	0.01	23	
6	STEERE	4TH	GIRLS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	3	2250	60	0.18	405	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.06	176	3	2250	26	0.06	176	0.10	230	
7	STEERE	4TH	GIRLS RM	I1	2C0026E	2/26W CFL 6" CAN	1	2250	54	0.05	122	1L026	R/UB WITH 2 - 13W LED 2 PIN	2250	26	0.03	59	1	2250	26	0.03	59	0.03	63	
8	STEERE	4TH	BOYS RM	B3	2F25SSE	2F25T8 3' STRIP	4	2250	47	0.19	423	1L023	R/UB WITH 2 - 10W LED 3' LAMPS	2250	23	0.09	207	4	2250	23	0.09	207	0.10	216	
9	STEERE	4TH	BOYS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	1	2250	60	0.06	135	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.03	59	1	2250	26	0.03	59	0.03	77	
10	STEERE	4TH	RM 403	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	10	2250	72	0.72	1,620	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.38	855	10	2250	38	0.38	855	0.34	765	
11	STEERE	4TH	RM 403	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	1	2250	102	0.10	230	1L063	R/UB WITH 3 - 20W LED 2' BIAx LAMPS	2250	63	0.06	142	1	2250	63	0.06	142	0.04	88	
12	STEERE	4TH	RM 404	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.46	1,026	12	2250	38	0.46	1,026	0.41	918	
13	STEERE	4TH	RM 405	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	10	2250	72	0.72	1,620	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.38	855	10	2250	38	0.38	855	0.34	765	
14	STEERE	4TH	CORRIDOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	15	2250	72	1.08	2,430	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.57	1,283	15	2250	38	0.57	1,283	0.51	1,148	
15	STEERE	4TH	STAIRWAY C	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	7	2250	60	0.42	945	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.18	410	7	2250	26	0.18	410	0.24	536	
16	STEERE	4TH	STAIRWAY B	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	7	2250	60	0.42	945	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.18	410	7	2250	26	0.18	410	0.24	536	
17	STEERE	3RD	RM 301	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	8	2250	72	0.58	1,296	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.30	684	8	2250	38	0.30	684	0.27	612	
18	STEERE	3RD	RM 301	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	2	2250	102	0.20	459	1L063	R/UB WITH 3 - 20W LED 2' BIAx LAMPS	2250	63	0.13	284	2	2250	63	0.13	284	0.08	176	
19	STEERE	3RD	RM 302	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	10	2250	72	0.72	1,620	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.38	855	10	2250	38	0.38	855	0.34	765	
20	STEERE	3RD	RM 303	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	10	2250	72	0.72	1,620	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.38	855	10	2250	38	0.38	855	0.34	765	
21	STEERE	3RD	RM 304	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	10	2250	72	0.72	1,620	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.38	855	10	2250	38	0.38	855	0.34	765	
22	STEERE	3RD	RM 306	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	9	2250	72	0.65	1,458	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.38	855	9	2250	38	0.34	770	0.31	689	
23	STEERE	3RD	RM 306	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	2	2250	102	0.20	459	1L063	R/UB WITH 3 - 20W LED 2' BIAx LAMPS	2250	63	0.13	284	2	2250	63	0.13	284	0.08	176	
24	STEERE	3RD	ELECTRICAL CLOSET	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	R/UB WITH 1 - 12W LED 4' LAMP	2250	14	0.01	32	1	2250	14	0.01	32	0.01	23	
25	STEERE	3RD	CUSTODIAL RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	1	2250	60	0.06	135	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.03	59	1	2250	26	0.03	59	0.03	77	
26	STEERE	3RD	RM 305	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	3	2250	72	0.22	486	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.11	257	3	2250	38	0.11	257	0.10	230	
27	STEERE	3RD	GIRLS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	5	2250	60	0.30	675	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.13	283	5	2250	26	0.13	283	0.17	383	
28	STEERE	3RD	GIRLS RM	I1	2C0026E	2/26W CFL 6" CAN	1	2250	54	0.05	122	1L026	R/UB WITH 2 - 13W LED 2 PIN	2250	26	0.03	59	1	2250	26	0.03	59	0.03	63	
29	STEERE	3RD	BOYS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	5	2250	60	0.30	675	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2250	26	0.13	283	5	2250	26	0.13	283	0.17	383	
30	STEERE	3RD	BOYS RM	I1	2C0026E	2/26W CFL 6" CAN	1	2250	54	0.05	122	1L026	R/UB WITH 2 - 13W LED 2 PIN	2250	26	0.03	59	1	2250	26	0.03	59	0.03	63	
31	STEERE	3RD	RM 307	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	6	2250	72	0.43	972	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.23	513	6	2250	38	0.23	513	0.20	459	
32	STEERE	3RD	RM 310	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	4	2250	72	0.29	648	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.15	342	4	2250	38	0.15	342	0.14	306	
33	STEERE	3RD	RM 311	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	4	2250	72	0.29	648	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.11	257	4	2250	38	0.11	257	0.10	230	
34	STEERE	3RD	RM 314	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	3	2250	72	0.22	486	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.42	941	3	2250	38	0.42	941	0.37	842	
35	STEERE	3RD	RM 314	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	11	2250	72	0.79	1,782	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	63	0.13	284	11	2250	63	0.13	284	0.08	176	
36	STEERE	3RD	RM 312	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	2	2250	102	0.20	459	1L063	R/UB WITH 3 - 20W LED 2' BIAx LAMPS	2250	63	0.11	257	2	2250	63	0.11	257	0.10	230	
37	STEERE	3RD	WOMEN'S RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	3	2250	72	0.22	486	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2250	38	0.05	117	3	2250	38	0.05	117	0.07	153	
38	STEERE	3RD	WOMEN'S RM	I1	2C0026E	2/26W CFL 6" CAN	1	2250	54	0.05	122	1L026	R/UB WITH 2 - 13W LED 2 PIN	2250	26	0.03	59	1	2250	26	0.03	59	0.03	63	
39	STEERE	3RD	WOMEN'S RM	B3	2F25SSE	2F25T8 3' STRIP	2	2250	47	0.09	212	1L023	R/UB WITH 2 - 10W LED 3' LAMPS	2250	23	0.05	104	2	2250	23	0.05	104	0.05	108	



Facility Name
 Steere Elementary School
 Facility Address
 915 Steere Farm Rd.
 City, State, Zip
 Pasco WA 99301
 Contact
 Bill Robinson

ECM Lighting & Sensors

LOCATION			EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS	
Line Item	Building	Floor	Room Name	Room Type	Existing Device Code	Existing Fixture Type	Fixt. Qty	Existing Hours	Watts	kW	kWh	Proposed Device Code	Proposed Fixture Type	Proposed Hours	Watts	kW	kWh Saved	kWh Saved						
40	STEERE	3RD	RM 315	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	9	2250	72	0.65	1,458	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	9	2250	38	0.34	770	0.31	689				
41	STEERE	3RD	RM 315	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	3	2250	102	0.31	699	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	3	2250	63	0.19	425	0.12	263				
42	STEERE	3RD	RM 316	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	4	2250	72	0.29	646	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	4	2250	38	0.15	342	0.14	306				
43	STEERE	3RD	RM 317	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	8	2250	72	0.58	1,296	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	8	2250	38	0.30	684	0.27	612				
44	STEERE	3RD	RM 317	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	2	2250	102	0.20	455	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	2	2250	63	0.13	284	0.08	176				
45	STEERE	3RD	RM 317	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	2	2250	60	0.12	270	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2	2250	26	0.05	117	0.07	153				
46	STEERE	3RD	RM 318	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	8	2250	72	0.58	1,296	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	8	2250	38	0.30	684	0.27	612				
47	STEERE	3RD	RM 318	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	2	2250	102	0.20	459	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	2	2250	63	0.13	284	0.08	176				
48	STEERE	3RD	RM 318	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	2	2250	60	0.12	270	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2	2250	26	0.05	117	0.07	153				
49	STEERE	3RD	RM 319	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	9	2250	72	0.65	1,458	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	9	2250	38	0.34	770	0.31	689				
50	STEERE	3RD	RM 319	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	3	2250	102	0.31	689	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	3	2250	63	0.19	425	0.12	263				
51	STEERE	3RD	CORRIDOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	35	2250	72	2.52	5,670	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	35	2250	38	1.33	2,983	1.19	2,676				
52	STEERE	3RD	CORRIDOR	D2	2F32SSE	2F32T8 2X2 U6 RECESSED PRISM	1	2250	60	0.06	135	1L026	R/UB WITH 2 - 12W LED U LAMPS	1	2250	26	0.03	59	0.03	77				
53	STEERE	3RD	STAIRWAY END OF BLDG	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	8	2250	60	0.48	1,080	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	8	2250	26	0.21	468	0.27	612				
54	STEERE	3RD	STAIRWAY "B"	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	2	2250	60	0.12	270	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2	2250	26	0.05	117	0.07	153				
55	STEERE	2ND	GYM	H1	1L100	100W LED HUBAY	6	2250	100	0.80	1,350	000-001	NO REC	6	2250	100	0.60	1,350	0.00	0				
56	STEERE	2ND	RM 240	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	2	2250	72	0.14	324	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	2	2250	38	0.08	171	0.07	153				
57	STEERE	2ND	CUSTODIAL RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	1	2250	60	0.06	135	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	1	2250	26	0.03	59	0.03	77				
58	STEERE	2ND	BOYS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	2	2250	60	0.12	270	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	2	2250	26	0.05	117	0.07	153				
59	STEERE	2ND	BOYS RM	I1	2C002BE	2/26W CFL 6' CAN	1	2250	54	0.05	122	1L026	R/UB WITH 2 - 13W LED 2 PIN	1	2250	26	0.03	59	0.03	63				
60	STEERE	2ND	GIRLS RM	B3	2F25SSE	2F25T8 3' STRIP	4	2250	47	0.19	423	1L023	R/UB WITH 2 - 10W LED 3' LAMPS	4	2250	23	0.09	207	0.10	216				
61	STEERE	2ND	GIRLS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	1	2250	60	0.06	135	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	1	2250	26	0.03	59	0.03	77				
62	STEERE	2ND	GIRLS RM	I1	2C002BE	2/26W CFL 6' CAN	1	2250	54	0.05	122	1L026	R/UB WITH 2 - 13W LED 2 PIN	1	2250	26	0.03	59	0.03	63				
63	STEERE	2ND	WATER FOUNTAIN	I1	2C002BE	2/26W CFL 6' CAN	2	2250	54	0.11	243	1L026	R/UB WITH 2 - 13W LED 2 PIN	2	2250	26	0.05	117	0.06	126				
64	STEERE	2ND	MEDIA CENTER	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.46	1,026	0.41	918				
65	STEERE	2ND	MEDIA CENTER	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	20	2250	102	2.04	4,590	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	20	2250	63	1.26	2,835	0.78	1,755				
66	STEERE	2ND	MEDIA CENTER	I1	2C002BE	2/26W CFL 6' CAN	7	2250	54	0.38	851	1L026	R/UB WITH 2 - 13W LED 2 PIN	7	2250	26	0.18	410	0.20	441				
67	STEERE	2ND	RM 250	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.46	1,026	0.41	918				
68	STEERE	2ND	RM 250	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	4	2250	102	0.41	918	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	4	2250	63	0.25	567	0.16	351				
69	STEERE	2ND	RM 251	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.14	324	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.08	171	0.07	153				
70	STEERE	2ND	RM 252	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.46	1,026	0.41	918				
71	STEERE	2ND	RM 252	D1	3F40BXE	3F40 BIAH 2X2 9 CELL	2	2250	102	0.20	459	1L063	R/UB WITH 3 - 20W LED 2' BIAH LAMPS	2	2250	63	0.13	284	0.08	176				
72	STEERE	2ND	RM 252 BATHROOM	B3	2F25SSE	2F25T8 3' STRIP	2	2250	47	0.09	212	1L023	R/UB WITH 2 - 10W LED 3' LAMPS	2	2250	23	0.05	104	0.05	108				
73	STEERE	2ND	RM 252 STORAGE	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	R/UB WITH 1 - 12W LED 4' LAMP	1	2250	14	0.01	32	0.01	23				
74	STEERE	2ND	STAIRWAY "E"	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	8	2250	60	0.48	1,080	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	8	2250	26	0.21	468	0.27	612				
75	STEERE	2ND	CORRIDOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.46	1,026	0.41	918				
76	STEERE	2ND	ELECTRICAL CLOSET	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	R/UB WITH 1 - 12W LED 4' LAMP	1	2250	14	0.01	32	0.01	23				
77	STEERE	2ND	RM 231	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	6	2250	72	0.43	972	1L038	R/UB WITH 3 - 12W LED 4' LAMPS	6	2250	38	0.23	513	0.20	459				
78	STEERE	2ND	RM 231 BATHROOM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	1	2250	60	0.06	135	1L026	R/UB WITH 2 - 12W LED 4' LAMPS	1	2250	26	0.03	59	0.03	77				



Facility Name
 Facility Address
 City, State Zip
 Contact

Steger Elementary School
 915 Steger Farm Rd.
 Pasco WA 99303
 Bill Robinson

ECM Lighting & Sensors

LOCATION				EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS	
Line Item	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixt Qty	Existing Hours	Watts	kW	kWh	Proposed Device Code	Proposed Fixture Type	Fixt Qty	Proposed Hours	Watts	kW	kWh	kWh Saved	kW Saved					
79	STEERE	2ND	RM 215	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	7	2250	72	0.50	1,134	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	7	2250	38	0.27	599	0.24	536					
80	STEERE	2ND	RM 215	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	2	2250	102	0.20	459	1L063	RJ/RB WITH 3 - 20W LED 2' BIAx LAMPS	2	2250	63	0.13	284	0.08	176					
81	STEERE	2ND	RM 215	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	RJ/RB WITH 1 - 12W LED 4' LAMP	1	2250	14	0.01	32	0.01	23					
82	STEERE	2ND	LAV	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	2	2250	60	0.12	270	1L026	RJ/RB WITH 2 - 12W LED 4' LAMPS	2	2250	26	0.05	117	0.07	153					
83	STEERE	2ND	RM 228	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	1	2250	72	0.07	162	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	1	2250	38	0.04	86	0.03	77					
84	STEERE	2ND	PHY	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	2	2250	72	0.14	324	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	2	2250	38	0.08	171	0.07	153					
85	STEERE	2ND	MAILROOM	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	2	2250	102	0.20	459	1L063	RJ/RB WITH 3 - 20W LED 2' BIAx LAMPS	2	2250	63	0.13	284	0.08	176					
86	STEERE	2ND	RM 211	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	2	2250	72	0.14	324	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	2	2250	38	0.08	171	0.07	153					
87	STEERE	2ND	RM 207	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	6	2250	72	0.43	972	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	6	2250	38	0.23	513	0.20	459					
88	STEERE	2ND	RM 207 BATHROOM	B3	2F25SSE	2F25T8 2' STRIP	2	2250	47	0.09	212	1L023	RJ/RB WITH 2 - 10W LED 3' LAMPS	2	2250	23	0.05	104	0.05	108					
89	STEERE	2ND	RM 206	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	9	2250	72	0.65	1,458	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	9	2250	38	0.34	770	0.31	669					
90	STEERE	2ND	BOYS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	5	2250	60	0.30	675	1L026	RJ/RB WITH 2 - 13W LED 2 PIN	5	2250	26	0.13	293	0.17	383					
91	STEERE	2ND	BOYS RM	H1	2C0026E	2C0026 CFL 6" CAN	1	2250	54	0.05	122	1L026	RJ/RB WITH 2 - 12W LED 4' LAMPS	1	2250	26	0.03	59	0.03	63					
92	STEERE	2ND	GIRLS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	5	2250	60	0.30	675	1L026	RJ/RB WITH 2 - 12W LED 4' LAMPS	5	2250	26	0.13	293	0.17	383					
93	STEERE	2ND	GIRLS RM	H1	2C0026E	2C0026 CFL 6" CAN	1	2250	54	0.05	122	1L026	RJ/RB WITH 2 - 12W LED 4' LAMPS	1	2250	26	0.03	59	0.03	63					
94	STEERE	2ND	FOYER	H1	2C0026E	2C0026 CFL 6" CAN	2	2250	54	0.11	243	1L026	RJ/RB WITH 2 - 13W LED 2 PIN	2	2250	26	0.05	117	0.06	126					
95	STEERE	2ND	RM 205	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	3	2250	72	0.22	486	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	3	2250	38	0.11	257	0.10	230					
96	STEERE	2ND	CUSTODIAL RM	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	RJ/RB WITH 1 - 12W LED 4' LAMP	1	2250	14	0.01	32	0.01	23					
97	STEERE	2ND	ELECTRICAL CLOSET	B1	1F28EEE	1F28T8 4' STRIP	1	2250	24	0.02	54	1L014	RJ/RB WITH 1 - 12W LED 4' LAMP	1	2250	14	0.01	32	0.01	23					
98	STEERE	2ND	RM 205	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.48	1,026	0.41	918					
99	STEERE	2ND	RM 203	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.48	1,026	0.41	918					
100	STEERE	2ND	RM 202	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	12	2250	72	0.86	1,944	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	12	2250	38	0.48	1,026	0.41	918					
101	STEERE	2ND	RM 201	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	11	2250	72	0.79	1,782	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	11	2250	38	0.42	941	0.37	842					
102	STEERE	2ND	RM 201	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	1	2250	102	0.10	230	1L063	RJ/RB WITH 3 - 20W LED 2' BIAx LAMPS	1	2250	63	0.06	142	0.04	86					
103	STEERE	2ND	CORRIDOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	31	2250	72	2.23	5,022	1L038	RJ/RB WITH 3 - 12W LED 4' LAMPS	31	2250	38	1.18	2,651	1.05	2,372					
104	STEERE	2ND	CORRIDOR	D1	3F40BXE	3F40 BIAx 2X2 9 CELL	4	2250	102	0.41	918	1L063	RJ/RB WITH 3 - 20W LED 2' BIAx LAMPS	4	2250	63	0.25	567	0.16	351					
105	STEERE	EXTERIOR	DOOR A2	H2	1M0070S	70W METAL HALIDE WALL PACK	1	4380	95	0.10	416	1L016	NF 16W LED WALL PACK	1	4380	16	0.02	70	0.08	346					
106	STEERE	EXTERIOR	DOOR A3	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
107	STEERE	EXTERIOR	BEHIND STAGE IN GYM	H2	1M0070S	70W METAL HALIDE WALL PACK	2	4380	95	0.10	416	1L016	NF 16W LED WALL PACK	2	4380	16	0.02	70	0.08	346					
108	STEERE	EXTERIOR	OUTSIDE GYM	H4	1M0250S	250W METAL HALIDE WALL PACK	1	4380	295	0.59	2,584	1L037	NF 37W LED WALL PACK	1	4380	37	0.07	324	0.52	2,260					
109	STEERE	EXTERIOR	DOOR C6	H4	1M0250S	250W METAL HALIDE WALL PACK	1	4380	295	0.30	1,292	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.26	1,130					
110	STEERE	EXTERIOR	DOOR C3	H4	1M0250S	250W METAL HALIDE WALL PACK	1	4380	295	0.30	1,292	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.26	1,130					
111	STEERE	EXTERIOR	DOOR C1	H4	1M0250S	250W METAL HALIDE WALL PACK	1	4380	295	0.30	1,292	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.26	1,130					
112	STEERE	EXTERIOR	DELIVERY DOORS	H4	1M0250S	250W METAL HALIDE WALL PACK	1	4380	295	0.30	1,292	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.26	1,130					
113	STEERE	EXTERIOR	DOOR C5	H4	1M0250S	250W METAL HALIDE WALL PACK	1	4380	295	0.30	1,292	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.26	1,130					
114	STEERE	EXTERIOR	DOOR B1	H2	1M0070S	70W METAL HALIDE WALL PACK	1	4380	95	0.10	416	1L016	NF 16W LED WALL PACK	1	4380	16	0.02	70	0.08	346					
115	STEERE	EXTERIOR	SIDE D	H7	1M0250S	250W METAL HALIDE SLIP FIT	1	4380	295	0.30	1,292	1L062	NF 62W LED FLOOD	1	4380	62	0.06	272	0.23	1,021					
116	STEERE	EXTERIOR	DOOR C8	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
117	STEERE	EXTERIOR	DOOR C7	H2	1M0070S	70W METAL HALIDE WALL PACK	1	4380	95	0.10	416	1L016	NF 16W LED WALL PACK	1	4380	16	0.02	70	0.08	346					



Facility Name: **Steele Elementary School**
 Facility Address: **915 Steele Farm Rd.**
 City, State, Zip: **Passapatanz, PA 19380**
 Contact: **Bill Robinson**

ECM Lighting & Sensors

LOCATION				EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS	
Line Item	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixture Qty	Existing Hours	Watts	kW	kWh	Proposed Device Code	Proposed Fixture Type	Fixture Qty	Proposed Hours	Watts	kW	kWh	kWh Saved	kW Saved					
118	STEEER	EXTERIOR	DOOR C6	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
119	STEEER	EXTERIOR	SIDE OF BLDG	H7	1M0250S	250W METAL HALIDE SLIP FIT	1	4380	295	0.30	1,292	1L062	NF 62W LED FLOOD	1	4380	62	0.06	272	0.23	1,021					
120	STEEER	EXTERIOR	LOADING DOORS	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
121	STEEER	EXTERIOR	ABOVE DOOR C5	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
122	STEEER	EXTERIOR	DOOR C3	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
123	STEEER	EXTERIOR	DOOR C1	H3	1M0150S	150W METAL HALIDE WALL PACK	1	4380	190	0.19	832	1L037	NF 37W LED WALL PACK	1	4380	37	0.04	162	0.15	670					
124	STEEER	EXTERIOR	REAR OF BLDG	H7	1M0250S	250W METAL HALIDE SLIP FIT	1	4380	295	0.30	1,292	1L062	NF 62W LED FLOOD	1	4380	62	0.06	272	0.23	1,021					
125	STEEER	EXTERIOR	DOOR B1	H2	1M0070S	70W METAL HALIDE WALL PACK	1	4380	95	0.10	416	1L016	NF 16W LED WALL PACK	1	4380	16	0.02	70	0.08	346					
126	STEEER	EXTERIOR	SIDE OF B	H7	1M0250S	250W METAL HALIDE SLIP FIT	1	4380	295	0.30	1,292	1L062	NF 62W LED FLOOD	1	4380	62	0.06	272	0.23	1,021					
127	STEEER	BASEMENT	KELLEY'S OFFICE	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	4	2250	60	0.24	540	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	4	2250	26	0.10	234	0.14	306					
128	STEEER	BASEMENT	STORAGE	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	8	1500	60	0.48	720	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	8	1500	26	0.21	312	0.27	408					
129	STEEER	BASEMENT	BUSINESS OFFICE	C2	4F32SSE	4F32T8 2X4	2	2250	112	0.22	504	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	2	2250	43	0.09	194	0.14	311					
130	STEEER	BASEMENT	BEC RM	C2	4F32SSE	4F32T8 2X4	6	2250	112	0.67	1,512	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	6	2250	43	0.26	561	0.41	932					
131	STEEER	BASEMENT	STORAGE / SINK	C2	4F32SSE	4F32T8 2X4	2	2250	112	0.22	504	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	2	2250	43	0.09	194	0.14	311					
132	STEEER	BASEMENT	K + 1	C2	4F32SSE	4F32T8 2X4	4	2250	112	0.45	1,008	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	4	2250	43	0.17	387	0.28	621					
133	STEEER	BASEMENT	BEC HOMEWORK RM	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	6	2250	72	0.43	972	1L036	R/URB WITH 3 - 12W LED 4' LAMPS	6	2250	38	0.23	513	0.20	459					
134	STEEER	BASEMENT	CORRIDOR UP TO FIRE DOOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	10	2250	72	0.72	1,620	1L036	R/URB WITH 3 - 12W LED 4' LAMPS	10	2250	38	0.38	855	0.34	765					
135	STEEER	BASEMENT	PAINT STORAGE RM	B4	2F40SSS	2F40T12 8' WRAP & 4' WRAP	1	1500	94	0.09	141	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	1	1500	26	0.03	39	0.07	102					
136	STEEER	BASEMENT	IT RM	B4	2F40SSS	2F40T12 8' WRAP & 4' WRAP	1	1000	94	0.09	94	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	1	1000	26	0.03	26	0.07	68					
137	STEEER	BASEMENT	STORAGE RM	A1	4F40SSS	4F40T12 8' STRIP	1	1000	188	0.18	188	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	1	1000	43	0.04	43	0.15	145					
138	STEEER	BASEMENT	PLUMBING STORAGE RM	A1	4F40SSS	4F40T12 8' STRIP	2	1000	188	0.38	376	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	2	1000	43	0.09	86	0.29	290					
139	STEEER	BASEMENT	PLUMBING STORAGE RM	B4	2F40SSS	2F40T12 8' WRAP & 4' WRAP	1	1000	94	0.09	94	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	1	1000	26	0.03	26	0.07	68					
140	STEEER	BASEMENT	ELEVATOR RM	A1	4F40SSS	4F40T12 8' STRIP	1	1000	188	0.19	188	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	1	1000	43	0.04	43	0.15	145					
141	STEEER	BASEMENT	DRY STORAGE RM	A1	4F40SSS	4F40T12 8' STRIP	1	2250	188	0.19	423	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	1	2250	43	0.04	97	0.15	326					
142	STEEER	BASEMENT	GARAGE	A1	4F40SSS	4F40T12 8' STRIP	8	2250	188	1.50	3,364	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	8	2250	43	0.34	774	1.16	2,610					
143	STEEER	BASEMENT	GARAGE	B5	1F40SSS	1F40T12 4' STRIP	1	2250	57	0.06	128	1L014	R/URB WITH 1 - 12W LED 4' LAMP	1	2250	14	0.01	32	0.04	97					
144	STEEER	BASEMENT	MAINTENANCE OFFICE - LOCKED											0	0					0					
145	STEEER	BASEMENT	EMERGENCY GENERATOR RM	B4	2F40SSS	2F40T12 8' WRAP & 4' WRAP	1	1500	94	0.09	141	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	1	1500	26	0.03	39	0.07	102					
146	STEEER	BASEMENT	BOILER RM	B4	2F40SSS	2F40T12 8' WRAP & 4' WRAP	6	2250	94	0.56	1,268	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	6	2250	26	0.16	351	0.41	918					
147	STEEER	BASEMENT	FACULTY RM	A1	4F40SSS	4F40T12 8' STRIP	1	2250	188	0.19	423	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	1	2250	43	0.04	97	0.15	326					
148	STEEER	BASEMENT	FACULTY DINING RM	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	4	2250	72	0.29	648	1L038	R/URB WITH 3 - 12W LED 4' LAMPS	4	2250	38	0.15	342	0.14	306					
149	STEEER	BASEMENT	RM 105 - LOCKED											0	0					0					
150	STEEER	BASEMENT	CHRIS CAVE	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	1	2250	72	0.07	162	1L038	R/URB WITH 3 - 12W LED 4' LAMPS	1	2250	38	0.04	86	0.03	77					
151	STEEER	BASEMENT	LAMP STORAGE	B4	2F40SSS	2F40T12 8' WRAP & 4' WRAP	1	1500	94	0.09	141	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	1	1500	26	0.03	39	0.07	102					
152	STEEER	BASEMENT	GIRLS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	4	2250	60	0.24	540	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	4	2250	26	0.10	234	0.14	306					
153	STEEER	BASEMENT	GIRLS RM	I1	2C0026E	2/26W CFL 6" CAN	1	2250	54	0.05	122	1L026	R/URB WITH 2 - 13W LED 2 PIN	1	2250	26	0.03	59	0.03	63					
154	STEEER	BASEMENT	BOYS RM	B2	2F32SSE	2F32T8 4' STRIP, REC. BOX	4	2250	60	0.24	540	1L026	R/URB WITH 2 - 12W LED 4' LAMPS	4	2250	26	0.10	234	0.14	306					
155	STEEER	BASEMENT	BOYS RM	I1	2C0026E	2/26W CFL 6" CAN	1	2250	54	0.05	122	1L026	R/URB WITH 2 - 13W LED 2 PIN	1	2250	26	0.03	59	0.03	63					
156	STEEER	BASEMENT	RM 104	A1	4F40SSS	4F40T12 8' STRIP	1	2250	188	0.19	423	1L043	R/URB WITH 4 - 12W LED 4' LAMPS	1	2250	43	0.04	97	0.15	326					



Facility Name: Steere Elementary School
 Facility Address: 315 Steere Farm Rd.
 City, State, Zip: FARGO, ND 58103
 Contact: BILL ROBINSON

ECM: Lighting & Sensors

Line Item	LOCATION			EXISTING CONDITIONS							PROPOSED CONDITIONS							ENERGY SAVINGS		
	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixt Qty	Existing Hours	Watts	KW	KWh	Proposed Device Code	Proposed Fixture Type	Fixt Qty	Proposed Hours	Watts	KW	KWh	KW Saved	KWh Saved
157	STEERE	BASMENT	CAFE	C2	4F32SSE	4F32T8 2X4	22	2250	112	2.46	5,544	1L043	RLJRB WITH 4 - 12W LED 4' LAMPS	22	2250	43	0.95	2,129	1.52	3,416
158	STEERE	BASMENT	LOWER CORRIDOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	16	2250	72	1.15	2,592	1L038	RLJRB WITH 3 - 12W LED 4' LAMPS	16	2250	38	0.61	1,368	0.54	1,224
159	STEERE	BASMENT	LOWER CORRIDOR	D2	2F32SSE	2F32T8 2X2 U6 RECESSED PRISM	1	2250	60	0.06	135	1L026	RLJRB WITH 2 - 12W LED U LAMPS	1	2250	26	0.03	59	0.03	77
160	STEERE	INTERIOR	FRONT ENTRÉE - INTERIOR	C1	3F28EEE	3F28T8 2X4 RECESSED 18 CELL & PRISM	3	2250	72	0.22	486	1L038	RLJRB WITH 3 - 12W LED 4' LAMPS	3	2250	38	0.11	257	0.10	230
161	STEERE	EXTERIOR	FRONT ENTRÉE - OVERHANG	H5	1H0150S	1500W HPS SURFACE CANOPY	2	2250	190	0.38	855	1L040	NF 40W LED CANOPY	2	2250	40	0.08	180	0.30	575
162	STEERE	EXTERIOR	PARKING LOT LIGHTS	H6	1H0100S	1000W HPS PARKING LOT LIGHTS	24	4380	130	3.12	13,668	1L056	NF 50W LED SMALL FLOOD	24	4380	56	1.34	5,887	1.78	7,779
			TOTALS				731			60.66	152,147			731		28.27	67,787	32.39	84,361	



Facility Name
 Facility Address
 City, State, Zip
 Contact

Callahan Elementary School
 23 Callahan School Rd
 Callahan, NC 28520
 Bill Robinson

ECM Lighting & Sensors

LOCATION				EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS	
Line Item	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixt Qty	Existing Hours	Watts	kW	kWh	Proposed Device Code	Proposed Fixture Type	Fixt Qty	Proposed Hours	Watts	kW	kWh	kWh Saved	kWh Saved					
1	Callahan	3RD	CORRIDOR	C1	1L036	3 LAMP LED T8 2X4 18 CELL	6	2550	36	0.22	551	000-001	NO REC	6	2550	36	0.22	551	0.00	0					
2	Callahan	3RD	CORRIDOR	C2	1L036	2 LAMP LED T8 / 1 LAMP LED T8 4' SURF BOX	6	2550	36	0.22	551	000-001	NO REC	6	2550	36	0.22	551	0.00	0					
3	Callahan	3RD	CORRIDOR	A2	4F28EEE	4F28T8 8 SURF BOX	1	2550	94	0.09	240	1L045	RURB 4 - 10W LED LAMPS	1	2550	45	0.05	115	0.05	125					
4	Callahan	3RD	CORRIDOR	B3	1L036	2 LAMP LED T8 / 1 LAMP T8 4' SURF BOX	2	2550	36	0.07	184	000-001	NO REC	2	2550	36	0.07	184	0.00	0					
5	Callahan	3RD	RM 36	B4	3F28EEE	3F28T8 4' SURF BOX	12	2000	72	0.86	1728	1L033	RURB 3 - 10W LED LAMPS	12	2000	33	0.40	792	0.47	936					
6	Callahan	3RD	BOYS RM FOYER	B5	1L024	2 LAMP LED SKINNY WRAP	1	2000	24	0.02	48	000-001	NO REC	1	2000	24	0.02	48	0.00	0					
7	Callahan	3RD	BOYS RM	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	3	2000	48	0.14	288	1L022	RURB 2 - 10W LED LAMPS	3	2000	22	0.07	132	0.08	156					
8	Callahan	3RD	CUSTODIAL RM	B4	3F28EEE	3F28T8 4' SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156					
9	Callahan	3RD	ART RM	B4	3F28EEE	3F28T8 4' SURF BOX	18	2000	72	1.30	2592	1L033	RURB 3 - 10W LED LAMPS	18	2000	33	0.59	1,188	0.70	1,404					
10	Callahan	3RD	RESOURCE CENTER FOYER	C2	1L036	2 LAMP LED T8 / 1 LAMP LED T8 4' SURF BOX	2	2000	36	0.07	144	000-001	NO REC	2	2000	36	0.07	144	0.00	0					
11	Callahan	3RD	RESOURCE CENTER SIDE RM	B4	3F28EEE	3F28T8 4' SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156					
12	Callahan	3RD	RM 32,33,34	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	5	2000	48	0.24	480	1L022	RURB 2 - 10W LED LAMPS	5	2000	22	0.11	220	0.13	260					
13	Callahan	3RD	RM 32,33,34 HALLWAY	C3	3F28EEE	3F28T8 2X4 18 CELL	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156					
14	Callahan	3RD	RM 32,33,34 HALLWAY	C1	1L036	3 LAMP LED T8 2X4 18 CELL	1	2000	36	0.04	72	000-001	NO REC	1	2000	36	0.04	72	0.00	0					
15	Callahan	3RD	CUSTODIAL RM A19 NO REC	B2	2F40SSS	2F34T12 STD/STD 4' WRAP	1	2000	94	0.09	188	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.07	144					
16	Callahan	3RD	RM 35	B4	3F28EEE	3F28T8 4' SURF BOX	12	2000	72	0.86	1,728	1L033	RURB 3 - 10W LED LAMPS	12	2000	33	0.40	792	0.47	936					
17	Callahan	3RD	MUSIC RM	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	15	2000	48	0.72	1,440	1L022	RURB 2 - 10W LED LAMPS	15	2000	22	0.33	660	0.36	780					
18	Callahan	3RD	MUSIC RM OFFICE	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	1	2000	48	0.05	96	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.03	52					
19	Callahan	3RD	GIRLS RM FOYER	B5	1L024	2 LAMP LED SKINNY WRAP	1	2000	24	0.02	48	000-001	NO REC	1	2000	24	0.02	48	0.00	0					
20	Callahan	3RD	GIRLS BATHROOM	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	3	2000	48	0.14	288	1L022	RURB 2 - 10W LED LAMPS	3	2000	22	0.07	132	0.08	156					
21	Callahan	3RD	STAIRS A,B,C,D	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	12	8760	48	0.58	5,046	1L022	RURB 2 - 10W LED LAMPS	12	8760	22	0.26	2,313	0.31	2,733					
22	Callahan	2ND	PARENTING CENTER FOYER	B5	1L024	2 LAMP LED SKINNY WRAP	1	2000	24	0.02	48	000-001	NO REC	1	2000	24	0.02	48	0.00	0					
23	Callahan	2ND	PARENTING CENTER	B4	3F28EEE	3F28T8 4' SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156					
24	Callahan	2ND	BOYS RM	B5	1L024	2 LAMP LED SKINNY WRAP	3	2000	24	0.07	144	000-001	NO REC	3	2000	24	0.07	144	0.00	0					
25	Callahan	2ND	GIRLS RM FOYER	B5	1L024	2 LAMP LED SKINNY WRAP	1	2000	24	0.02	48	000-001	NO REC	1	2000	24	0.02	48	0.00	0					
26	Callahan	2ND	GIRLS RM	B5	1L024	2 LAMP LED SKINNY WRAP	3	2000	24	0.07	144	000-001	NO REC	3	2000	24	0.07	144	0.00	0					
27	Callahan	2ND	RM 26	B4	3F28EEE	3F28T8 4' SURF BOX	12	2000	72	0.86	1,728	1L033	RURB 3 - 10W LED LAMPS	12	2000	33	0.40	792	0.47	936					
28	Callahan	2ND	RM 25	B4	3F28EEE	3F28T8 4' SURF BOX	3	2000	72	0.22	432	1L033	RURB 3 - 10W LED LAMPS	3	2000	33	0.10	198	0.12	234					
29	Callahan	2ND	RM 24	B4	3F28EEE	3F28T8 4' SURF BOX	3	2000	72	0.22	432	1L033	RURB 3 - 10W LED LAMPS	3	2000	33	0.10	198	0.12	234					
30	Callahan	2ND	OFFICE	C3	3F28EEE	3F28T8 2X4 18 CELL	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156					
31	Callahan	2ND	RESOURCES	C3	3F28EEE	3F28T8 2X4 18 CELL	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156					
32	Callahan	2ND	COMPUTER LAB	D1	2F40BXE	2F40T8 BIAx 2X2	10	2000	72	0.72	1,440	1L048	RURB 2-23W LED BIAx	10	2000	48	0.48	960	0.24	480					
33	Callahan	2ND	RM 21	B4	3F28EEE	3F28T8 4' SURF BOX	12	2000	72	0.86	1,728	1L033	RURB 3 - 10W LED LAMPS	12	2000	33	0.40	792	0.47	936					
34	Callahan	2ND	RM 22	B4	3F28EEE	3F28T8 4' SURF BOX	3	2000	72	0.22	432	1L033	RURB 3 - 10W LED LAMPS	3	2000	33	0.10	198	0.12	234					
35	Callahan	2ND	RM 23	B4	3F28EEE	3F28T8 4' SURF BOX	3	2000	72	0.22	432	1L033	RURB 3 - 10W LED LAMPS	3	2000	33	0.10	198	0.12	234					
36	Callahan	2ND	MEDIA CENTER	D1	2F40BXE	2F40T8 BIAx 2X2	28	2000	72	2.02	4,032	1L048	RURB 2-23W LED BIAx	28	2000	48	1.34	2,688	0.67	1,344					
37	Callahan	2ND	MEDIA CENTER	I1	1C094ZE	43W CFL 4 PIN	4	2000	48	0.19	384	1L011	NL 11W LED 4PIN LUNERA	4	2000	11	0.04	88	0.15	296					
38	Callahan	2ND	STAIRS C	C3	3F28EEE	3F28T8 2X4 18 CELL	1	2000	72	0.07	144	1L033	RURB 3 - 10W LED LAMPS	1	2000	33	0.03	66	0.04	78					
39	Callahan	2ND	RAMP TO NEW SECTION	B3	1L036	2 LAMP LED T8 / 1 LAMP T8 4' SURF BOX	2	2000	36	0.07	144	000-001	NO REC	2	2000	36	0.07	144	0.00	0					



Callahan Elementary School
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 Harrisville, RI 02830
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ECM Lighting & Sensors

Line Item	Building	Floor	Room Name	Fixture Type	EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS		
					Existing Device Code	Existing Fixtures Type	First Qty	Existing Hours	Watts	W/W	KWh	Proposed Device Code	Proposed Fixture Type	First Qty	Proposed Hours	Watts	W/W	KWh	kWh Saved	kW Saved	0						
40	Callahan	2ND	RAMP TO NEW SECTION	C1	1L036	3 LAMP LED T8 2X4 18 CELL	14	2000	36	0.50	1,008	000-001	NO REC	14	2000	36	0.50	1,008	0.00	0	0	0	0	0	0	0	
41	Callahan	2ND	RAMP TO NEW SECTION	C2	1L036	2 LAMP LED T8 / 1 LAMP LED T8 4 SURF BOX	13	2000	36	0.47	936	000-001	NO REC	13	2000	36	0.47	936	0.00	0	0	0	0	0	0	0	0
42	Callahan	2ND	CUSTODIAL RM	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	2	2000	94	0.19	376	1L022	RURB 2 - 10W LED LAMPS	2	2000	22	0.04	88	0.14	288	0	0	0	0	0	0	0
43	Callahan	2ND	RM 208	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
44	Callahan	2ND	RM 200	C3	3F28EEE	3F28T8 2X4 18 CELL	1	2000	72	0.07	144	1L033	RURB 3 - 10W LED LAMPS	1	2000	33	0.03	66	0.04	78	0	0	0	0	0	0	0
45	Callahan	2ND	RM 200	C4	3F28EEE	3F28T8 2X4 18 CELL	1	2000	72	0.07	144	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.05	100	0	0	0	0	0	0	0
46	Callahan	2ND	RM 210	D2	2F32SSE	2F32T8 U6 2X2	16	2000	60	0.96	1,920	1L038	RURB 2 - 10W LED U-TUBE	16	2000	38	0.61	1,216	0.35	704	0	0	0	0	0	0	0
47	Callahan	2ND	RM 210	A2	4F28EEE	4F28T8 8 SURF BOX	4	2000	94	0.38	752	1L045	RURB 4 - 10W LED LAMPS	4	2000	45	0.18	360	0.20	392	0	0	0	0	0	0	0
48	Callahan	2ND	RM 211	C3	3F28EEE	3F28T8 2X4 18 CELL	3	2000	72	0.22	432	1L033	RURB 3 - 10W LED LAMPS	3	2000	33	0.10	198	0.12	234	0	0	0	0	0	0	0
49	Callahan	2ND	RM 210/211 FOYER	C2	1L036	2 LAMP LED T8 / 1 LAMP LED T8 4 SURF BOX	1	2000	36	0.04	72	000-001	NO REC	1	2000	36	0.04	72	0.00	0	0	0	0	0	0	0	0
50	Callahan	2ND	RM 201	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
51	Callahan	2ND	RM 207	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
52	Callahan	2ND	RM 202	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
53	Callahan	2ND	RM 203	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
54	Callahan	2ND	RM 206	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
55	Callahan	2ND	RM 205	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
56	Callahan	2ND	RM 204	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
57	Callahan	2ND	BOYS RM	B4	3F28EEE	3F28T8 4 SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156	0	0	0	0	0	0	0
58	Callahan	2ND	GIRLS RM	B4	3F28EEE	3F28T8 4 SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156	0	0	0	0	0	0	0
59	Callahan	1ST	BOYS RM	B4	3F28EEE	3F28T8 4 SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156	0	0	0	0	0	0	0
60	Callahan	1ST	GIRLS RM	B4	3F28EEE	3F28T8 4 SURF BOX	2	2000	72	0.14	288	1L033	RURB 3 - 10W LED LAMPS	2	2000	33	0.07	132	0.08	156	0	0	0	0	0	0	0
61	Callahan	1ST	CORRIDOR	C1	1L036	3 LAMP LED T8 2X4 18 CELL	14	2000	36	0.50	1,008	000-001	NO REC	14	2000	36	0.50	1,008	0.00	0	0	0	0	0	0	0	0
62	Callahan	1ST	CORRIDOR	C2	1L036	2 LAMP LED T8 / 1 LAMP LED T8 4 SURF BOX	14	2000	36	0.50	1,008	000-001	NO REC	14	2000	36	0.50	1,008	0.00	0	0	0	0	0	0	0	0
63	Callahan	1ST	RM 104	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
64	Callahan	1ST	RM 105	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
65	Callahan	1ST	RM 106	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
66	Callahan	1ST	RM 103	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
67	Callahan	1ST	RM 102	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
68	Callahan	1ST	RM 107	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
69	Callahan	1ST	MENS RM	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	1	2000	94	0.09	188	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.07	144	0	0	0	0	0	0	0
70	Callahan	1ST	WOMENS RM	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	1	2000	94	0.09	188	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.07	144	0	0	0	0	0	0	0
71	Callahan	1ST	MECHANICAL RM	B1	2F40SSS	2F34T12 STDSTD 4 WRAP	6	2000	94	0.56	1,128	1L015	NF 15W 4 LED STRIP	6	2000	15	0.09	180	0.47	948	0	0	0	0	0	0	0
72	Callahan	1ST	MECHANICAL RM	A1	4F40SSS	4F34T12 STDSTD 6 STRIP	1	2000	188	0.19	376	1L045	RURB 4 - 10W LED LAMPS	1	2000	45	0.05	90	0.14	286	0	0	0	0	0	0	0
73	Callahan	1ST	CONFERENCE RM	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	6	2000	94	0.56	1,128	1L022	RURB 2 - 10W LED LAMPS	6	2000	22	0.13	264	0.43	864	0	0	0	0	0	0	0
74	Callahan	1ST	DATA RM	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	1	2000	94	0.09	188	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.07	144	0	0	0	0	0	0	0
75	Callahan	1ST	RM 101	B2	2F40SSS	2F34T12 STDSTD 4 WRAP	18	2000	94	1.69	3,384	1L022	RURB 2 - 10W LED LAMPS	18	2000	22	0.40	792	1.30	2,592	0	0	0	0	0	0	0
76	Callahan	1ST	RAMP TO MAIN EXIT	C1	1L036	3 LAMP LED T8 2X4 18 CELL	2	2000	36	0.07	144	000-001	NO REC	2	2000	36	0.07	144	0.00	0	0	0	0	0	0	0	0
77	Callahan	1ST	RAMP TO MAIN EXIT	C2	1L036	2 LAMP LED T8 / 1 LAMP LED T8 4 SURF BOX	1	2000	36	0.04	72	000-001	NO REC	1	2000	36	0.04	72	0.00	0	0	0	0	0	0	0	0
78	Callahan	1ST	MAIN OFFICE	D1	2F40BKE	2F40T8 BIAK 2X2	11	2000	72	0.79	1,564	1L048	RURB 2-23W LED BIAK	11	2000	48	0.53	1,056	0.76	528	0	0	0	0	0	0	0



Facility Name
Callahan Elementary School
Facility Address
75 Callahan School Rd
Harrisville, RI 02830
Contact
Bill Robinson

ECM Lighting & Sensors

LOCATION				EXISTING CONDITIONS							PROPOSED CONDITIONS							ENERGY SAVINGS		
Line Item	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixt Qty	Existing Hours	Watts	kW	kWh	Proposed Device Code	Proposed Fixture Type	Fixt Qty	Proposed Hours	Watts	kW	kWh	kWh Saved	kW Saved
79	Callahan	1ST	PRINCIPAL OFFICE	D1	2F40BXE	2F40T8 BIAAX 2X2	6	2000	72	0.43	864	1L048	RURB 2-23W LED BIAAX	6	2000	48	0.29	576	0.14	288
80	Callahan	1ST	GUIDANCE OFFICE	C1	1L098	3 LAMP LED T8 2X4 18 CELL	2	2000	36	0.07	144	000-001	NO REC	2	2000	36	0.07	144	0.00	0
81	Callahan	1ST	NURSE OFFICE	C3	3F28EEE	3F28T8 2X4 18 CELL	3	2000	72	0.22	432	1L033	RURB 3 - 10W LED LAMPS	3	2000	33	0.10	198	0.12	234
82	Callahan	1ST	NURSE OFFICE	D2	2F52SEE	2F23T8 U6 2X2	2	2000	60	0.12	240	1L038	RURB 2-18W LED U-TUBE	2	2000	38	0.08	152	0.04	88
83	Callahan	1ST	NURSE OFFICE BATHROOM	C3	3F28EEE	3F28T8 2X4 18 CELL	1	2000	72	0.07	144	1L033	RURB 3 - 10W LED LAMPS	1	2000	33	0.03	66	0.04	78
84	Callahan	1ST	RAMP TO CAFÉ	C1	1L098	3 LAMP LED T8 2X4 18 CELL	5	2000	36	0.18	360	000-001	NO REC	5	2000	36	0.18	360	0.00	0
85	Callahan	1ST	RAMP TO CAFÉ	C2	1L098	2 LAMP LED T8 / 1 LAMP LED T8 4' SURF BOX	4	2000	36	0.14	288	000-001	NO REC	4	2000	36	0.14	288	0.00	0
86	Callahan	1ST	GYM	H1	1L098	96W LED HI-BAY	10	2000	96	0.96	1,920	000-001	NO REC	10	2000	96	0.96	1,920	0.00	0
87	Callahan	1ST	GYM OFFICE	C3	3F28EEE	3F28T8 2X4 18 CELL	1	2000	72	0.07	144	1L033	RURB 3 - 10W LED LAMPS	1	2000	33	0.03	66	0.04	78
88	Callahan	1ST	GYM RESTROOM	C3	3F28EEE	3F28T8 2X4 18 CELL	1	2000	72	0.07	144	1L033	RURB 3 - 10W LED LAMPS	1	2000	33	0.03	66	0.04	78
89	Callahan	1ST	GYM STORAGE RM	A1	4F40SSS	4F34T12 STD/STD 6' STRIP	1	2000	188	0.19	376	1L045	RURB 4 - 10W LED LAMPS	1	2000	45	0.05	90	0.14	286
90	Callahan	1ST	GYM ELECTRIC RM	A1	4F40SSS	4F34T12 STD/STD 6' STRIP	1	2000	188	0.19	376	1L045	RURB 4 - 10W LED LAMPS	1	2000	45	0.05	90	0.14	286
91	Callahan	1ST	CAFÉ	C1	1L098	3 LAMP LED T8 2X4 18 CELL	19	2000	36	0.68	1,368	000-001	NO REC	19	2000	36	0.68	1,368	0.00	0
92	Callahan	1ST	CAFÉ	C2	1L098	2 LAMP LED T8 / 1 LAMP LED T8 4' SURF BOX	18	2000	36	0.65	1,296	000-001	NO REC	18	2000	36	0.65	1,296	0.00	0
93	Callahan	1ST	CAFÉ	B2	2F40SSS	2F34T12 STD/STD 4' WRAP	2	2000	94	0.19	376	1L022	RURB 2 - 10W LED LAMPS	2	2000	22	0.04	86	0.14	288
94	Callahan	1ST	STORAGE	C3	3F28EEE	3F28T8 2X4 18 CELL	6	2000	72	0.43	864	1L033	RURB 3 - 10W LED LAMPS	6	2000	33	0.20	396	0.23	468
95	Callahan	1ST	RESOURCES	C3	3F28EEE	3F28T8 2X4 18 CELL	5	2000	72	0.36	720	1L033	RURB 3 - 10W LED LAMPS	5	2000	33	0.17	330	0.20	390
96	Callahan	1ST	KITCHEN	B6	2F28EEE	2F28T8 4' SURF WRAP/BOX/VAPOR PROOF	22	2000	48	1.06	2,112	1L022	RURB 2 - 10W LED LAMPS	22	2000	22	0.48	968	0.57	1,144
97	Callahan	1ST	COOLER	I2	110060	60W INC	1	2000	60	0.06	120	1L008	NL 8W LED A19 SCREW IN	1	2000	8	0.01	16	0.05	104
98	Callahan	1ST	FREEZER	I2	110060	60W INC	1	2000	60	0.06	120	1L008	NL 8W LED A19 SCREW IN	1	2000	8	0.01	16	0.05	104
99	Callahan	1ST	TEACHER'S LOUNGE	C3	3F28EEE	3F28T8 2X4 18 CELL	6	2000	72	0.43	864	1L033	RURB 3 - 10W LED LAMPS	6	2000	33	0.20	396	0.23	468
100	Callahan	1ST	CUSTODIAL RM	B2	2F40SSS	2F34T12 STD/STD 4' WRAP	1	2000	94	0.09	188	1L022	RURB 2 - 10W LED LAMPS	1	2000	22	0.02	44	0.07	144
101	Callahan	1ST	STAIRS TO LOWER LEVEL	I1	1C0042E	42W CFL 4 PIN	2	2000	48	0.10	192	1L011	NL 11W LED 4PIN LUNERA	2	2000	11	0.02	44	0.07	144
102	Callahan	LOWER LEVEL	OLD BOILER RM	A1	4F40SSS	4F34T12 STD/STD 6' STRIP	1	2000	188	0.19	376	1L045	RURB 4 - 10W LED LAMPS	1	2000	45	0.05	90	0.14	286
103	Callahan	LOWER LEVEL	OLD BOILER RM	B1	2F40SSS	2F34T12 STD/STD 4' IND	2	2000	94	0.19	376	1L015	NF 15W 4' LED STRIP	2	2000	15	0.03	60	0.16	316
104	Callahan	EXTERIOR	DOOR B1,C2,C4	H2	1C0042E	42W CFL WALL PACK	3	4380	48	0.14	631	1L010	NF 10W LED WALLPACK	3	4380	10	0.03	131	0.11	499
105	Callahan	EXTERIOR	DOOR C1	H3	1C0023E	26W CFL SCREW IN	3	4380	25	0.08	329	1L009	NL 9W LED A19 SCREW IN	3	4380	9	0.03	118	0.05	210
106	Callahan	EXTERIOR	DOOR C3, C5, D1	H4	1C0042E	42W CFL WALL PACK	3	4380	48	0.14	631	1L010	NF 10W LED WALLPACK	3	4380	10	0.03	131	0.11	499
107	Callahan	EXTERIOR	FRONT	H5	1H0070S	70W HPS RECESSED CANOPY	3	4380	90	0.27	1,183	1L021	NF 21W LED SURFACE CANOPY	3	4380	21	0.06	276	0.21	907
108	Callahan	EXTERIOR	FRONT	H6	1M0250S	250W MH DIRECT MOUNT FLOOD	6	4380	295	1.77	7,753	1L082	NF 62W LED DIRECT MOUNT FLOOD	6	4380	62	0.37	1,629	1.40	6,123
109	Callahan	EXTERIOR	FRONT	H7	110060	96W INC SCREW IN	5	4380	90	0.45	1,971	1L018	NL 18W LED BR 20	5	4380	18	0.08	394	0.36	1,577
110	Callahan	EXTERIOR	REAR PARKING LOT LIGHTS	H8	1M0400S	400W MH POLE LIGHT	5	4380	455	2.28	9,965	1L108	NF 108W LED POLE LIGHT	5	4380	108	0.54	2,365	1.74	7,599
							TOTALS	745		57.15	130,723		745			22.81	50,060	34.64	80,673	

Project Name:
 Facility Address:
 City, State, Zip:
 Contact:



Levy Elementary
 135 Harrisville Main St
 Harrisville RI 02830
 Bill Robinson

EDM Lighting & Sensors

Line Item	Building	Floor	Room Name	Fixture Type	EXISTING CONDITIONS										PROPOSED CONDITIONS										ENERGY SAVINGS	
					Existing Device Code	Existing Fixture Type	Pkt. Qty	Existing Hours	Watts	kW	kWh	Proposed Device Code	Proposed Fixture Type	Pkt. Qty	Proposed Hours	Watts	kW	kWh	Sensor Model #	Sensor Qty	kW Saved	kWh Saved				
1	LEVY SCHOOL	1ST	PRE-SCHOOL, RM 22	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	14	2250	60	0.84	1,890	1L016	RURB W 2-12W LED LAMPS	14	2250	16	0.22	504					0.62	1,386		
2	LEVY SCHOOL	1ST	PRE-SCHOOL, RM 22 BATHROOM	D1	2F32SSE	2F32T8 2X2 W6" RECESSED PRISM	1	2250	60	0.06	135	1L020	NF 20W 2X2	2	2250	20	0.02	45					0.04	90		
3	LEVY SCHOOL	1ST	PRE-SCHOOL, RM 22 OFFICE	B1	2F32SSE	2F32T8 2X4 RECESSED PRISM	2	2250	60	0.12	270	1L016	RURB W 2-12W LED LAMPS	2	2350	16	0.03	72					0.06	186		
4	LEVY SCHOOL	1ST	PRE-SCHOOL HALLWAY	C1	2F46SSS	2F40T12 4 SURFACE WRAP	5	2250	94	0.47	1,058	1L018	NF 18W LED 4 WRAP	5	2250	18	0.09	203					0.38	855		
5	LEVY SCHOOL	1ST	PRE-SCHOOL, RM 21	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	11	2250	60	0.66	1,485	1L016	RURB W 2-12W LED LAMPS	11	2250	16	0.18	396					0.48	1,089		
6	LEVY SCHOOL	1ST	PRE-SCHOOL, RM 21 BATHROOM	D1	2F32SSE	2F32T8 2X2 W6" RECESSED PRISM	1	2250	60	0.06	135	1L020	NF 20W 2X2	1	2250	20	0.02	45					0.04	90		
7	LEVY SCHOOL	1ST	PRE-SCHOOL, RM 21 LITTLE RM	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	2	2250	60	0.12	270	1L016	RURB W 2-12W LED LAMPS	2	2250	16	0.03	72					0.09	198		
8	LEVY SCHOOL	1ST	STORAGE RM	I1	100023E	23W CFL CIRCUITLINE SCREW IN	1	2250	25	0.03	56	1L008	NL 8W LED A19 SCREW IN	1	2250	8	0.01	18					0.02	36		
9	LEVY SCHOOL	1ST	STORAGE RM	I1	100023E	23W CFL CIRCUITLINE SCREW IN	1	2250	25	0.03	56	1L008	NL 8W LED A19 SCREW IN	1	2250	8	0.01	18					0.02	36		
10	LEVY SCHOOL	1ST	CORRIDOR	C2	1L024	2 LAMP LED 2X4	8	2250	24	0.19	432	000-001	NO REC	8	2250	24	0.19	432					0.00	0		
11	LEVY SCHOOL	1ST	LITTLE OFFICE	B2	2F46SSS	2F40T12 4 SURFACE WRAP	1	2250	94	0.69	212	1L018	NF 18W LED 4 WRAP	1	2250	18	0.02	41					0.08	171		
12	LEVY SCHOOL	1ST	GRADE K1	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	6	2250	60	0.36	810	1L016	RURB W 2-12W LED LAMPS	6	2250	16	0.10	216					0.26	584		
13	LEVY SCHOOL	1ST	GRADE A1 FOYER	B1	2F46SSS	2F40T12 4 SURFACE WRAP	1	2250	94	0.69	212	1L018	NF 18W LED 4 WRAP	1	2250	18	0.02	41					0.08	171		
14	LEVY SCHOOL	1ST	CAFÉ	H1	1M0100S	100W METAL HALIDE RECESSED	20	2250	120	2.40	5,400	1L019	NL W 18W LED CORN COB	20	2350	19	0.38	855					2.02	4,545		
15	LEVY SCHOOL	1ST	CAFÉ STORAGE	I1	100023E	23W CFL CIRCUITLINE SCREW IN	1	2250	25	0.03	56	1L008	NL 8W LED A19 SCREW IN	1	2250	8	0.01	18					0.02	36		
16	LEVY SCHOOL	1ST	KITCHEN	A1	2F96SSS	2F96T12 8 SURFACE WRAP	6	2250	173	1.04	2,336	1L023	NF 23W LED 8 WRAP	6	2250	23	0.14	311					0.90	2,025		
17	LEVY SCHOOL	1ST	KITCHEN	B1	2F46SSS	2F40T12 4 SURFACE WRAP	2	2250	94	0.69	212	1L018	NF 18W LED 4 WRAP	2	2250	18	0.04	81					0.15	342		
18	LEVY SCHOOL	1ST	KITCHEN EXIT WAY	B3	1F46SSS	1F40T12 4 SURFACE WRAP	2	2250	57	0.11	257	1L018	NF 18W LED 4 WRAP	2	2250	18	0.04	81					0.08	176		
19	LEVY SCHOOL	1ST	KITCHEN SLOP SINK	I1	100023E	23W CFL CIRCUITLINE SCREW IN	1	2250	25	0.03	56	1L008	NL 8W LED A19 SCREW IN	1	1462.5	8	0.01	12			WS	1	0.02	45		
20	LEVY SCHOOL	1ST	CAFÉ CUSTODIAL	B1	2F46SSS	2F40T12 4 SURFACE WRAP	1	2250	94	0.69	212	1L018	NF 18W LED 4 WRAP	1	2250	18	0.02	41					0.08	171		
21	LEVY SCHOOL	1ST	STAGE	I2	10060	60W INC SCREW IN	5	2250	60	0.30	675	1L008	NL 8W LED A19 SCREW IN	5	2250	8	0.04	90					0.26	585		
22	LEVY SCHOOL	1ST	STAGE	A1	2F96SSS	2F96T12 8 SURFACE WRAP	3	2250	173	0.92	1,168	1L023	NF 23W LED 8 WRAP	3	2250	23	0.07	155					0.45	1,013		
23	LEVY SCHOOL	1ST	SLOP SINK	I1	100023E	23W CFL CIRCUITLINE SCREW IN	1	2250	25	0.03	56	1L008	NL 8W LED A19 SCREW IN	1	2250	8	0.01	18					0.02	36		
24	LEVY SCHOOL	1ST	REST ROOM	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	1	2250	60	0.06	135	1L016	RURB W 2-12W LED LAMPS	1	2250	16	0.02	36					0.04	99		
25	LEVY SCHOOL	1ST	REST ROOM FOYER	B4	2F46SSS	2F40T12 4 STRIP	1	2250	94	0.69	212	1L030	NF 30W 2X4	1	2250	30	0.03	68					0.06	144		
26	LEVY SCHOOL	1ST	BOILER RM	I1	100023E	23W CFL CIRCUITLINE SCREW IN	5	2250	25	0.13	281	1L008	NL 8W LED A19 SCREW IN	5	2250	8	0.04	90					0.09	191		
27	LEVY SCHOOL	1ST	SHORT HALLWAY	A2	2F46SSS	2F40T12 4 SURFACE WRAP	3	2250	94	0.28	635	1L016	RURB W 2-12W LED LAMPS	3	2250	16	0.05	108					0.23	527		
28	LEVY SCHOOL	1ST	RM 19	B1	2F46SSS	2F40T12 4 SURFACE WRAP	10	2250	94	0.84	2,115	1L018	NF 18W LED 4 WRAP	10	2250	18	0.18	405					0.76	1,710		
29	LEVY SCHOOL	1ST	RM 19 CONFERENCE RM	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	4	2250	60	0.24	540	1L016	RURB W 2-12W LED LAMPS	4	2250	16	0.06	144					0.18	396		
30	LEVY SCHOOL	1ST	RM 20	B1	2F46SSS	2F40T12 4 SURFACE WRAP	15	2250	94	1.41	3,173	1L018	NF 18W LED 4 WRAP	15	2250	18	0.27	608					1.14	2,965		
31	LEVY SCHOOL	1ST	FRONT FOYER	C2	1L024	2 LAMP LED 2X4	6	2250	24	0.14	324	000-001	NO REC	6	2250	24	0.14	324					0.00	0		
32	LEVY SCHOOL	1ST	MAIN OFFICE	C1	2F32SSE	2F32T8 2X4 RECESSED PRISM	8	2250	60	0.48	1,080	1L016	RURB W 2-12W LED LAMPS	8	2250	16	0.13	288					0.35	792		
33	LEVY SCHOOL	1ST	VAULT	I3	1L012	12W LED FLOOD	1	2250	12	0.01	27	000-001	NO REC	1	2250	12	0.01	27					0.00	0		
34	LEVY SCHOOL	1ST	WOMEN'S RM	B1	2F46SSS	2F40T12 4 SURFACE WRAP	1	2250	94	0.69	212	1L018	NF 18W LED 4 WRAP	1	2250	18	0.02	41					0.08	171		
35	LEVY SCHOOL	1ST	FACULTY RM	A2	2F46SSS	2F40T12 4 SURFACE WRAP	2	2250	94	0.19	423	1L016	RURB W 2-12W LED LAMPS	2	2250	16	0.03	72					0.16	351		
36	LEVY SCHOOL	1ST	SLOP SINK	I1	100023E	23W CFL CIRCUITLINE SCREW IN	1	2250	25	0.03	56	1L008	NL 8W LED A19 SCREW IN	1	2250	8	0.01	18					0.02	36		
37	LEVY SCHOOL	1ST	REST ROOM	B5	2F46SSS	2F40T12 4 WRAP	1	2250	94	0.09	212	1L016	RURB W 2-12W LED LAMPS	1	2250	16	0.02	36					0.08	176		
38	LEVY SCHOOL	1ST	OUTSIDE REST ROOM	B5	2F46SSS	2F40T12 4 WRAP	6	2250	94	0.09	212	1L016	RURB W 2-12W LED LAMPS	6	2250	16	0.02	36					0.08	176		
39	LEVY SCHOOL	1ST	LIBRARY	A1	2F96SSS	2F96T12 8 SURFACE BOX	3	2250	173	1.04	2,336	1L023	NF 23W LED 8 WRAP	3	2250	23	0.14	311					0.60	2,025		
40	LEVY SCHOOL	1ST	LIBRARY	B2	2F46SSS	2F40T12 4 SURFACE BOX	3	2250	94	0.28	635	1L018	NF 18W LED 4 WRAP	3	2250	18	0.05	129					0.23	513		
41	LEVY SCHOOL	1ST	NURSE OFFICE	A1	2F96SSS	2F96T12 8 SURFACE BOX	5	2250	173	0.87	1,946	1L023	NF 23W LED 8 WRAP	5	2250	23	0.12	259					0.75	1,688		
42	LEVY SCHOOL	1ST	NURSE OFFICE	A3	4F46SSS	4F40T12 8 SURFACE WRAP	1	2250	188	0.19	423	1L023	NF 23W LED 8 WRAP	1	2250	23	0.02	52					0.17	371		
43	LEVY SCHOOL	1ST	NURSE OFFICE BATHROOM	B1	2F46SSS	2F40T12 4 SURFACE WRAP	1	2250	94	0.09	212	1L016	NF 18W LED 4 WRAP	1	2250	18	0.02	41					0.08	171		

Levy Elementary
 135 Harrisville Mall, SE
 Harrisville, RI 02830
 Contact: Bill Robinson



ECM Lighting & Sensors

LOCATION				EXISTING CONDITIONS						PROPOSED CONDITIONS						SENSOR DETAIL		ENERGY SAVINGS						
Line	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Fixt Qty	Existing Hours	Watts	kWh	W/W	Proposed Device Code	Proposed Fixture Type	Proposed Hours	Watts	kWh	W/W	Proposed Hours	Watts	kWh	W/W	W/W Saved	kWh Saved	
44	LEVY SCHOOL	1ST	MRS DOUCHER	B1	2F40SS	2F40T12, 4" SURFACE WRAP	2	2250	94	0.19	423	1L018	NF 18W LED 4" WRAP	2	2250	18	0.04	81	0.15	342	0.15	342	0.00	0
45	LEVY SCHOOL	1ST	RM 17	C2	1L024	2 LAMP LED 2X4	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
46	LEVY SCHOOL	1ST	RM H	A1	2F40SS	2F40T12, 8" SURFACE BOX	2	2250	173	0.35	779	1L023	NF 23W LED 8" WIDE WRAP	2	2250	23	0.05	104	0.30	675	0.30	675	0.00	0
47	LEVY SCHOOL	1ST	RM H	B2	2F40SS	2F40T12, 4" SURFACE BOX	2	2250	94	0.19	423	1L018	NF 18W LED 4" WIDE WRAP	2	2250	18	0.04	81	0.15	342	0.15	342	0.00	0
48	LEVY SCHOOL	1ST	RM 18	C2	1L024	2 LAMP LED 2X4	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
49	LEVY SCHOOL	1ST	CORRIDOR	C2	1L024	2 LAMP LED 2X4	8	2250	24	0.19	432	000-001	NO REC	8	2250	24	0.19	432	0.00	0	0.00	0	0.00	0
50	LEVY SCHOOL	1ST	BLUE RM	A2	2F40SS	2F40T12, 8" SURFACE WRAP	1	2250	94	0.09	212	1L016	RJ/RB W 2,12W LED LAMPS	1	2250	16	0.02	36	0.08	176	0.08	176	0.00	0
51	LEVY SCHOOL	1ST	RM 8	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
52	LEVY SCHOOL	1ST	RM 1	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
53	LEVY SCHOOL	1ST	RM 8	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
54	LEVY SCHOOL	1ST	RM 2	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
55	LEVY SCHOOL	1ST	RM 16	D2	1L024	2X2 LED FIXTURE	8	2250	24	0.19	432	000-001	NO REC	8	2250	24	0.19	432	0.00	0	0.00	0	0.00	0
56	LEVY SCHOOL	1ST	RM 10	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
57	LEVY SCHOOL	1ST	GIRLS HANDWASH	C2	1L024	2 LAMP LED 2X4	1	2250	24	0.02	54	000-001	NO REC	1	2250	24	0.02	54	0.00	0	0.00	0	0.00	0
58	LEVY SCHOOL	1ST	GIRLS RM	B6	2F40SS	2F40T12, 4" WRAP	2	2250	94	0.19	423	1L016	RJ/RB W 2,12W LED LAMPS	2	2250	16	0.03	72	0.16	351	0.16	351	0.00	0
59	LEVY SCHOOL	1ST	CUSTODIAL	I1	100023E	23W CFL CIRCLINE SCREW IN	1	2250	25	0.03	66	1L008	NL 18W LED A19 SCREW IN	1	2250	8	0.01	18	0.02	38	0.02	38	0.00	0
60	LEVY SCHOOL	1ST	BOYS HANDWASH	C2	1L024	2 LAMP LED 2X4	1	2250	24	0.02	54	000-001	NO REC	1	2250	24	0.02	54	0.00	0	0.00	0	0.00	0
61	LEVY SCHOOL	1ST	BOYS RM	B5	2F40SS	2F40T12, 4" WRAP	2	2250	94	0.19	423	1L016	RJ/RB W 2,12W LED LAMPS	2	2250	16	0.03	72	0.16	351	0.16	351	0.00	0
62	LEVY SCHOOL	1ST	EXIT WAY	C2	1L024	2 LAMP LED 2X4	1	2250	24	0.02	54	000-001	NO REC	1	2250	24	0.02	54	0.00	0	0.00	0	0.00	0
63	LEVY SCHOOL	1ST	EXIT WAY FOYER	B1	2F40SS	2F40T12, 4" SURFACE WRAP	1	2250	94	0.09	212	1L018	NF 18W LED 4" WRAP	1	2250	18	0.02	41	0.08	171	0.08	171	0.00	0
64	LEVY SCHOOL	1ST	RM 11	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
65	LEVY SCHOOL	1ST	RM 3	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
66	LEVY SCHOOL	1ST	RM 12	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
67	LEVY SCHOOL	1ST	RM 4	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
68	LEVY SCHOOL	1ST	RM 13	C3	1L024	2X4 LED FIXTURE	8	2250	24	0.19	432	000-001	NO REC	8	2250	24	0.19	432	0.00	0	0.00	0	0.00	0
69	LEVY SCHOOL	1ST	RM 5	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
70	LEVY SCHOOL	1ST	RM 6	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
71	LEVY SCHOOL	1ST	SLOP SINK	B1	2F40SS	2F40T12, 4" SURFACE WRAP	1	2250	94	0.09	212	1L018	NF 18W LED 4" WRAP	1	2250	18	0.02	41	0.08	171	0.08	171	0.00	0
72	LEVY SCHOOL	1ST	RM 14	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
73	LEVY SCHOOL	1ST	GIRLS RM	B1	2F40SS	2F40T12, 4" SURFACE WRAP	2	2250	94	0.19	423	1L018	NF 18W LED 4" WRAP	2	2250	18	0.04	81	0.15	342	0.15	342	0.00	0
74	LEVY SCHOOL	1ST	BOYS RM	B1	2F40SS	2F40T12, 4" SURFACE WRAP	2	2250	94	0.19	423	1L018	NF 18W LED 4" WRAP	2	2250	18	0.04	81	0.15	342	0.15	342	0.00	0
75	LEVY SCHOOL	1ST	RM 7	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
76	LEVY SCHOOL	1ST	RM 15	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
77	LEVY SCHOOL	1ST	END OF HALLWAY	B1	2F40SS	2F40T12, 4" SURFACE WRAP	6	2250	94	0.56	1,269	1L018	NF 18W LED 4" WRAP	6	2250	18	0.11	243	0.46	1,026	0.46	1,026	0.00	0
78	LEVY SCHOOL	1ST	RM 18	C3	1L024	2X4 LED FIXTURE	9	2250	24	0.22	486	000-001	NO REC	9	2250	24	0.22	486	0.00	0	0.00	0	0.00	0
79	LEVY SCHOOL	EXTERIOR DOORS	C5	H2	1H0070S	70W HPS RECESSED CANOPY	1	4380	90	0.09	394	1L040	NF 40W LED CANOPY	1	4380	40	0.04	175	0.05	219	0.05	219	0.00	0
80	LEVY SCHOOL	EXTERIOR DOORS	KITCHEN	I1	100023E	23W CFL CIRCLINE SCREW IN	1	4380	25	0.03	110	1L008	NL 18W LED A19 SCREW IN	1	4380	8	0.01	35	0.02	74	0.02	74	0.00	0
81	LEVY SCHOOL	EXTERIOR DOORS	KITCHEN	H3	100026S	26W CFL WALL PACK	2	4380	28	0.06	245	1L016	NF 18W LED WALL PACK	2	4380	16	0.03	140	0.02	105	0.02	105	0.00	0
82	LEVY SCHOOL	EXTERIOR DOORS	KITCHEN DOOR B1	H3	100026S	26W CFL WALL PACK	1	4380	28	0.03	123	1L016	NF 18W LED WALL PACK	1	4380	16	0.02	70	0.01	53	0.01	53	0.00	0
83	LEVY SCHOOL	EXTERIOR DOORS	CAFE	H4	1F20SS	1F20T12, 12" SURFACE MOUNT	2	4380	32	0.06	290	1L040	NF 40W LED CANOPY	2	4380	40	0.08	350	0.02	-70	-0.02	-70	0.00	0
84	LEVY SCHOOL	EXTERIOR DOORS	DOOR D3	H5	1H0100S	100W SURFACE CANOPY	1	4380	130	0.13	569	1L040	NF 40W LED CANOPY	1	4380	40	0.04	175	0.09	384	0.09	384	0.00	0
85	LEVY SCHOOL	EXTERIOR DOORS	DOOR D2	H5	1H0100S	100W SURFACE CANOPY	1	4380	130	0.13	569	1L040	NF 40W LED CANOPY	1	4380	40	0.04	175	0.09	384	0.09	384	0.00	0
86	LEVY SCHOOL	EXTERIOR DOORS	DOOR C6	H2	1H0070S	70W HPS RECESSED CANOPY	1	4380	90	0.09	394	1L040	NF 40W LED CANOPY	1	4380	40	0.04	175	0.05	219	0.05	219	0.00	0



Facility Name: Levy Elementary
 Facility Address: 135 Harrisville Main St
 City, State Zip: Harrisville RI 02830
 Contact: Bill Robinson

ECM Lighting & Sensors

Line Item	LOCATION			EXISTING CONDITIONS						PROPOSED CONDITIONS						SENSOR DETAIL		ENERGY SAVINGS				
	Building	Floor	Room Name	Fixture Type	Existing Device Code	Existing Fixture Type	Pri. City	Existing Hours	Watts	KW	kWh	Proposed Device Code	Proposed Fixture Type	Pri. City	Proposed Hours	Watts	KW	kWh	Sensor Model #	Sensor Qty	LW Saved	kWh Saved
87	LEVY SCHOOL	EXTERIOR DOORS	DOOR A3	H4	1F20SS	1F20T12 12" SURFACE MOUNT	3	4380	32	0.10	420	1L040	NF 40W LED CANOPY	3	4380	40	0.12	526			-0.02	-105
88	LEVY SCHOOL	EXTERIOR DOORS	DOOR A2	H4	1F20SS	1F20T12 12" SURFACE MOUNT	1	4380	32	0.03	140	1L040	NF 40W LED CANOPY	1	4380	40	0.04	175			-0.01	-35
89	LEVY SCHOOL	EXTERIOR DOORS	DOOR A1	H4	1F20SS	1F20T12 12" SURFACE MOUNT	1	4380	32	0.03	140	1L040	NF 40W LED CANOPY	1	4380	40	0.04	175			-0.01	-35
90	LEVY SCHOOL	EXTERIOR DOORS	B EXIT	H6	1H0256S	250W RPS FLOOD	2	4380	295	2.584	2,584	1L062	NF 62W LED FLOOD	2	4380	62	0.12	543			0.47	2,041
			TOTALS				393		22.83	53,869				393		8.41	20,230		1	14.22	33,579	

Attachment

for

1-4

Pascoag Utility District
Demand Side Management Programs - 2018 Expense YTD/2019 Budget Comparison

	<u>2018</u>	<u>2019</u>
Estimated carry over from 2018/2019	\$ 37,894	\$ 9,106
Estimated sales for 2018/2019	\$ 113,932	\$ 108,640
RGGI Funds	\$ -	\$ 65,000
Net 2018/2019 budget	\$ 151,826	\$ 182,746

	<u>2018 Expenses</u>	<u>2019 Proposed</u>
	<u>YTD</u>	<u>Budget</u>
<u>Residential Program</u>		
ENE Residential Conservation Admin Fees	\$ 2,250	\$ -
Home Energy Audits with Weatherization Incentives	\$ 4,020	\$ 65,000
Energy Star Appliance Rebates	\$ 4,861	\$ 5,838
Refrigerators/Freezer Buy Back	\$ 463	\$ 560
Energy Efficient Windows/Doors	\$ 1,110	\$ 1,500
Heating System Incentive	\$ 500	\$ 1,500
ENERGY STAR qualified Water Heaters	\$ -	\$ 600
Energy Star Lighting fixtures& ceiling/ventilation fans	\$ 389	\$ 650
Home Office Equipment/Home Electronics	\$ 245	\$ 500
New Construction	\$ -	\$ 1,000
Central Air Conditioning	\$ 2,400	\$ 2,700
Change a Light Campaign	\$ 342	\$ 400
Desk Calendars- with DSM rebate information	\$ 959	\$ -
Committed for 2017/2018 Programs	\$ 1,838	\$ 1,500
Net Residential	\$ 19,377	\$ 81,748
<u>Industrial/Commercial</u>		
Energy Star Incentive - Office Equipment	\$ 75	\$ 500
Burrillville School Department	\$ -	\$ 9,300
Committed Funds- Lighting & EE Projects	\$ 16,926	\$ 20,400
Consultation Fees	\$ -	\$ 250
Energy Star Commercial Appliance	\$ -	\$ 700
LED Street Light Incentive	\$ 10,000	\$ 8,000
Net Industrial/Commercial	\$ 27,001	\$ 39,150
<u>Administrative</u>		
Administrative	\$ 13,776	\$ 21,000
Energy Consultant	\$ -	\$ 10,000
URI Energy Fellow Intern	\$ -	\$ 9,000
Program Research and Development	\$ 250	\$ 500
Net Administrative	\$ 14,026	\$ 40,500
<u>Community Outreach, Marketing & Education</u>		
Funds for Follow-up to Successful Programs	\$ 495	\$ 1,000
Outreach/Education	\$ 7,423	\$ 6,500
Jesse Smith Library Partnership	\$ 365	\$ 3,523
Community Events	\$ 7,916	\$ 8,000
Energy Efficiency Management continuing education	\$ 2,838	\$ 2,325
Net Community Outreach, Marketing & Education	\$ 19,037	\$ 21,348
	\$ 79,441	\$ 182,746

Attachment

for

1-5

RFP: Energy Efficiency/Conservation Program Planning Consultant Services

Pascoag Utility District Request for Proposals: Energy
Efficiency Consultant Services

Due: December 7, 2018

PURPOSE

The Pascoag Utility District (“PUD”) is issuing this request for proposals (“RFP”) to solicit proposals from qualified vendors to support PUD in its review and oversight of energy efficiency/conservation programs for residential and commercial electric customers. PUD is seeking an experienced vendor to assist the Demand Side Management Coordinator with the evaluation of the current program and to make recommendations for its improvement, for a one year contract, beginning in January 2019 pending Rhode Island Public Utilities Commission approval in December 2018.

WHO MAY RESPOND

Any individual or company with relevant experience may respond.

ISSUING AGENCY

The Pascoag Utility District was incorporated by a special act of the Rhode Island General Assembly. A quasi-municipal utility, Pascoag provides Electricity and Water on a “not for profit” basis. Pascoag Electric is regulated by the Rhode Island Public Utilities Commission. Currently we provide Electric service to approximately 4,700 customers in Pascoag and Harrisville RI and 1,100 Water customers in Pascoag.

RESPONSE DUE DATES

Proposals will be accepted by PUD up until **3:30 pm ET on Friday, December 7, 2018** and should be submitted electronically to ddolan@pud-ri.org.

INQUIRIES

Inquiries concerning this RFP should be directed to Desarae Dolan at ddolan@pud-ri.org.

SCORING

PUD reserves the right to select multiple proposals, not select any proposals, or withdraw or re-issue the RFP. Respondents will not be compensated for any costs associated with submitting a proposal. An award shall be made to the responsible vendor(s) whose proposal is determined to be the most advantageous to the PUD, taking into consideration price and the evaluation factors set forth below.

Criteria	Value Assigned
Overview and Work Plan <ul style="list-style-type: none">Detailed work plan with a realistic timeline for deliverables.Clear and easy to understand.Hours spent on tasks are defined.	Up to 35 points
Cost Proposal (based on the All-Inclusive Price) <ul style="list-style-type: none">Full points will be awarded to the proposal that costs the least, with a sliding scale being used for the remaining proposals.	Up to 40 points
Project Organization and Staffing	Up to 5 points
Related Experience and References <ul style="list-style-type: none">Experience is relevant and similar in scope to this project.References are from comparable projects.	Up to 20 points
Max Points:	100

Overview, Scope of Work, and Timeline

PUD funds an energy efficiency/conservation program through an energy conservation charge on each electric bill. PUD is looking for a vendor to assist with:

- Task 1: Providing guidance and recommendations on annual Demand Side Management program planning/development/implementation.
 - Aid in aligning energy efficiency funding more closely with sector SBC (system benefits charge) contributions.

- Assistance with data for the mid-year Demand Side Management filing due to the Rhode Island Public Utilities Commission in August 2019 and for a full year 2020 budget for the Demand Side Management program due November 2019.
- Task 2: Estimating energy and demand savings from program implementation and calculating cost-effectiveness of each Demand Side Management program (by sector) using the RI Test as defined by PUC Docket 4600.
 - Creation of a detailed data collection and database maintenance process.
 - A final report that would include a step by step methodology for calculating program cost-effectiveness, energy savings, cost savings and GHG emission reductions.
- Task 3: Assisting PUD with customer-facing communications and messaging on energy efficiency and conservation.

The goal of this initiative is to assess our current program offerings, with recommendations for improvements and to develop a methodology that would assist us in determining cost effectiveness, energy savings, cost savings and CO₂e reduction for current/future projects and programs. PUD would also like to verify that the programs we offer are maximizing the benefits of energy efficiency/conservation fairly, across all rate classes. The chosen vendor would be awarded a one year contract, pending RIPUC approval in December 2018, (January 1, 2019-December 31, 2019) for the above mentioned services.

Proposal Format

1. Cover Letter (1 page)

Highlight your experience and credentials.

2. Overview (2-3 pages)

Describe your understanding of the scope of work and proposed project work plan and approach. Please include hours allocated to each task and a timeline of deliverables.

3. Cost Proposal and Scope of Work (5-6 pages)

Please organize your cost proposal around the outlined Scope of Work and include:

Task Sheets. Please add or delete rows for team members and add or delete task tables as needed.

Task 1:			
Labor Costs			
Subcontractor or Team Member Name and/or Job Title	Hourly Rate	Estimated Hours	Evaluated Price (Hourly Rate * Estimated Hours)
Additional expenses that are not included in hourly rate			
Description of Expense			Price
Total Task Price:			\$ _____

Cost Proposal - All-Inclusive Price

Vendor's Name:	
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One All-Inclusive Price. This number represents the sum of all total task prices and any other costs and expenses charged to PUD.

All-Inclusive Price:	\$ _____
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4. Project Organization and Staffing (1 page)

Summarize the qualifications of key personnel assigned to this project. List all staff and subcontractors proposed as members of your team. Please describe each staff member's duties, responsibilities and areas of concentration for the project.

5. Related Experience (1 page)

Discuss your relevant experience in providing services similar to those described in the scope of work for this RFP. If possible, reference two or three examples of previous projects that best display your ability and experience with comparable projects.

6. References (1 Page)

Please provide names, email addresses, telephone numbers, and permission to contact two former or current clients for which you have performed work for in the last three years.

Attachment

for

1-6

RFP: Residential Energy Audit Services

Pascoag Utility District Request for Proposals: Residential Energy Audit Services

Due: November 16, 2018

PURPOSE

This Request for Proposals (RFP) is to provide residential energy audit services within Pascoag Utility District's (PUD) service territory. The goal is to equip our customers with the ability to reduce their utility expenses. PUD is seeking an experienced vendor to perform energy auditing services for a three year contract, beginning in January 2019.

WHO MAY RESPOND

Any individual or company with relevant experience may respond. The selected vendor will be required to provide proof of insurance, and name Pascoag Utility District as additionally insured.

ISSUING AGENCY

The Pascoag Utility District was incorporated by a special act of the Rhode Island General Assembly. A quasi-municipal utility, Pascoag provides Electricity and Water on a "not for profit" basis. Pascoag Electric is regulated by the Rhode Island Public Utilities Commission. Currently we provide Electric service to approximately 4,700 customers in Pascoag and Harrisville RI and 1,100 Water customers in Pascoag.

RESPONSE DUE DATES

Proposals will be accepted by PUD up until **3:30 pm on Friday, November 16, 2018** and should be submitted electronically to ddolan@pud-ri.org.

INQUIRIES

Inquiries concerning this RFP should be directed to Desarae Dolan at ddolan@pud-ri.org.

OTHER

PUD reserves the right to select multiple proposals, not select any proposals, or withdraw or re-issue the RFP. Respondents will not be compensated for any costs associated with submitting a proposal. An award shall be made to the responsible vendor(s) whose proposal is determined to be the most advantageous to the PUD, taking into consideration price and related experience.

Overview, Scope of Work, and Timeline

PUD funds a residential energy audit program each year, through our Demand Side Management program. The Scope of Work for the selected vendor will include a residential energy audit that makes recommendations for improvements, and organizes or prioritizes these based on their potential return on investment or payback period.

The goal of this initiative is not simply to provide a report and recommendations, but to give a head start to participants in terms of implementation. While conducting the energy audit, PUD would like the selected vendor to have the ability to implement basic direct installs. We anticipate this may include things like replacing incandescent/CFL light bulbs with LED's, and other relatively simple items that the selected vendor may recommend such as smart strips (if there is a good application for them), fridge brush etc. We would like options such as blower door tests and/or thermal imaging scans included in the audit as well because we are looking into offering incentives for insulation and air sealing.

As we are expanding our energy audit program to include more customers this year, we are hoping to provide services to 120 households in 2019. PUD is looking to start the program in January 2019 upon selection of a vendor, and ability to mobilize quickly will be one of the factors evaluated. Please include any information on how our customers would schedule the

audit. Do you offer online requests and scheduling? Any additional customer service capabilities?

Proposal Format

1. **Cover Letter**

Highlight your experience, credentials, and how quickly you can mobilize to start the work if selected.

2. **Cost Proposal and Scope of Work**

Please organize your cost proposal around the outlined Scope of Work and include:

- A. Cost per each residential energy audit provided
- B. Menu of costs for additional implementation services including replacing light bulbs and other items that respondent thinks might be relevant and appropriate.

3. **Project Organization and Staffing**

Summarize the qualifications of key personnel assigned to this project.

4. **Related Experience**

Discuss your relevant experience in providing residential energy auditing services similar to those described in the scope of work for this RFP.

5. **Attachments**

Please provide a sample residential energy audit report in the format that would be utilized for this project and a sample of the data we could expect to receive from the energy audits (customer data, measures identified, installed, energy savings, demand savings, costs etc.).

Attachment

for

1-10



Memorandum

To: Burrillville Town Council
From: Pascoag Utility District
Date: October 15, 2018
Re: C-PACE Program

Pascoag Utility District (“PUD”) hereby requests a vote before the town council on a resolution to designate Burrillville, RI as a Commercial Property Assessed Clean Energy (C-PACE) municipality and to approve the C-PACE agreement. Chapter 39-26.5 of the Rhode Island General Laws, as amended (the “PACE Act”) established a program, known as the Property Assessed Clean Energy Program (“PACE”), to facilitate affordable loan financing for energy efficiency, renewable energy, and other eligible improvements to commercial properties, as defined in Chapter 39-26.5, by utilizing a local assessment mechanism to provide security for repayment of the loans. Additionally, C-PACE loans require no money down and may be stretched over the useful life of the project or 25 years (maximum).

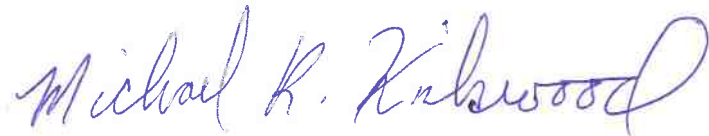
In response to rising energy costs, PUD has created a suite of incentives and rebates designed to incite end-user migration towards more sustainable and cost-effective measures. However, PUD’s C&I customers must often expend an allocation of their own capital on top of the PUD incentives to complete property improvement projects that reduce energy expenses such as investing in LED lighting, upgrading their HVAC units or investing in solar energy on their rooftops. Per this trend, our C&I customers regularly decide instead to re-invest in their business and employees or partake in other measures to reduce overhead costs. The C-PACE program and loans will allow such customers to now choose sustainable decisions because such loans will

dramatically improve cash flow by allowing the savings from such sustainable measures to more closely match the required capital outlay.

We believe the C-PACE program is an effective tool that will help dramatically lower energy rates for C&I property owners. Furthermore, the adoption of said legislation, will require no additional work from municipal employees. Rather, the Rhode Island Infrastructure Bank handles the administration and processing of all loans and repayments.

For these reasons, PUD respectfully asks the town council to pass the above mentioned resolution.

Sincerely,

A handwritten signature in blue ink that reads "Michael R. Kirkwood". The signature is written in a cursive style with a large, looping initial "M".

Michael R. Kirkwood

General Manager