

**MERCANTILE CUSTOMER SITE INFORMATION FORM****APPLICANT INFORMATION**

| | | | | |
|--|-------------------------------------|--------------------------------------|--|--------------|
| SITE NAME: | East Cleveland City School district | PUCO Docket # | 20-1050 | |
| Site Address: | 1843 Stanwood Rd. | Site City: | East Cleveland | |
| Site State: | Ohio | Site Zip code: | 44112 | |
| Customer Legal Name: | East Cleveland City School district | | | |
| Contact Person: | Alan Wolf | Phone: | 2162686586 | |
| | | Email: | awolf@eastclevlandschools.org | |
| FirstEnergy Customer Service Representative or Administrator's Name: | COSE/GCP | | Phone: | 216-592-2432 |
| NAICS Number: | | Applicant Taxpayer ID # (SSN/FEIN) : | 34-60008888 | |

BUSINESS SPECIFIC INFORMATION

Please give a general description of your business below:

School District

OPERATIONAL INFORMATION

| | |
|--|-----------------------|
| Specify hours of operation per day (e.g. 8:00 AM - 5:00 PM): | 6am to 6pm |
| Specify days of operation per week (e.g. Monday - Friday): | Monday through Friday |

Please describe any seasonal outages or ramp-ups applicable to your business below:

Reduced usage June-August

CUSTOMER ACKNOWLEDGEMENT

PLEASE CHECK BOXES BELOW



I UNDERSTAND THAT THE PROJECT(S) REPORTED IN THIS DOCUMENT MAY BE INSPECTED BY AN INDEPENDENT EVALUATION CONTRACTOR TO CONFIRM PROJECT COMPLETION, SAVINGS AND USE CONDITIONS.



I UNDERSTAND THAT ALL CUSTOMER NUMBERS INCLUDED WITHIN THIS APPLICATION MUST BE LOCATED WITHIN ONE SITE AS DEFINED HEREIN

Customer Usage Summary

Total Site Baseline Usage Information ¹

| Year | Billed kWh | Weather Adjusted | Total Billed \$ |
|---------|------------|------------------|-----------------|
| 2017 | 0 | 0 | \$0 |
| 2018 | 0 | 0 | \$0 |
| 2019 | 3,192,000 | 3,192,000 | \$0 |
| Average | 3,192,000 | 3,192,000 | |

(1) These numbers will be used to establish the baseline usage for calculation of the potential exemption period for this site

When entering the Customer Number, be sure to add a leading apostrophe so excel does not truncate the number.

Total Site Baseline Usage Information by Customer Number

| Account Assignment Number | Customer Number | Address | Rate Code | 2017 | | | 2018 | | | 2019 | | |
|---------------------------|----------------------|-------------------------------------|-----------|------------|----------------------|-----------------|------------|----------------------|-----------------|------------|----------------------|-----------------|
| | | | | Billed kWh | Weather Adjusted kWh | Total Billed \$ | Billed kWh | Weather Adjusted kWh | Total Billed \$ | Billed kWh | Weather Adjusted kWh | Total Billed \$ |
| 1 | 08005796131210001192 | 15320 Euclid Ave. East Cleveland OH | CE-GSUD | | | | | | | 3,192,000 | 3,192,000 | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |

East Cleveland City School district
East Cleveland City School district

Billed kWh and Total billed \$ will have to be compiled from your old electric bills. You need to complete three years of data if taking the exemption option or a minimum of one year of data if taking the cash option.



Project #1

PROJECT INFORMATION SHEET

East Cleveland City School district

Project Name: Shaw High School Part 1**Project In-Service Date (MM/DD/YYYY):** 12/23/2019Please Select Account Assignment Number associated with this Project (found on the Customer Usage Summary Tab)

1

*If more than one date, Please use most current***Please provide a narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment:**

Lighting Retrofit

Total Project Cost: \$71,674**Type of Project:***(Check One That Applies)*☒ Early replacement of fully functioning equipment with new equipment☐ Installation of new equipment to replace failed equipment☐ Installation of new equipment for new construction or facility expansion☐ Behavioral modification or operational improvement**What date would you have replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date.****Project Classification:***(Check all that apply)*☒ Lighting☐ Motor☐ HVAC☐ Air Compressor☐ Controls☐ Refrigeration☐ Process Improvement☐ Water Heating☐ Other/Custom**If Other or Custom Please Explain:****PROJECT INFORMATION SHEET****Equipment Information:**

| | New | Old Equipment |
|--|-------|------------------------------|
| Equipment specifications (Model no., size, etc.): | LED | Flourescent and Incandescent |
| Number of units: | 2,013 | 2,013 |
| Efficiency rating (R-Value, SEER/EER rating, motor efficiency, etc.) | | |
| What was the estimated remaining useful service life: | 15 | 5 |

Operational Information for Equipment:

Describe the operational period of the equipment (i.e. months, days, hours): 2676

Does this project produce energy savings Monday through Friday during the months of June through August from the hours of 3 PM to 6 PM: ☒ Yes ☐ No

For a new facility, please attach an itemized summary sheet that lists all installed measures that exceed current building standards

For operational improvement projects, provide a detailed description of all operational improvements and/or schedule changes for achievement of conservation efforts:

Energy Savings Information:

| | Equipment | Kwh usage | Yearly hours of operation | Demand (kW) | |
|--|-----------|-----------|---|-------------|----|
| | Old | 460,272 | 2,676 | 172 | |
| | Standard | 460,272 | 2,676 | 172 | |
| | New | 98,055 | 2,676 | 110 | |
| Annual reduced kWh attributable to this project: | 362,217 | kWh | kW demand reduction attributable to this project: | 62 | kW |
| Annual reduced kWh eligible for an incentive : | 362,217 | kWh | | | |

Please describe all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results. Additionally, identify and explain all deviations from any program measurement and verification guidelines that may be published by the Commission.

FirstEnergy Lighting Calculator

Please describe all documents that provide proof of purchase and verification that project was completed and is in-service. Also, provide an accounting of expenditures for this project. (Must attach all described documents with submission of application). *Label all pages deemed to be confidential*

Invoices



Project #2

PROJECT INFORMATION SHEET

East Cleveland City School district

Project Name: Shaw High School Part 2**Project In-Service Date (MM/DD/YYYY):** 12/23/2019Please Select Account Assignment Number associated with this Project (found on the Customer Usage Summary Tab)

1

*If more than one date, Please use most current***Please Provide a narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment:**

Lighting retrofit

Total Project Cost: \$71,673**Type of Project:***(Check One That Applies)*☒ Early replacement of fully functioning equipment with new equipment☐ Installation of new equipment to replace failed equipment☐ Installation of new equipment for new construction or facility expansion☐ Behavioral modification or operational improvement**What date would you have replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date.****Project Classification:***(Check all that apply)*☒ Lighting☐ Motor☐ HVAC☐ Air Compressor☐ Controls☐ Refrigeration☐ Process Improvement☐ Water Heating☐ Other/Custom**If Other or Custom Please Explain:****PROJECT INFORMATION SHEET****Equipment Information:**

| | New | Old Equipment |
|---|-----|------------------------------|
| Equipment Specifications (Model No., Size, etc.): | LED | Flourescetn and incandescetn |
| Number of Units: | 964 | 964 |
| Efficiency Rating (R-Value, SEER/EER Rating, Motor Efficiency, etc.) | | |
| What was the estimated remaining useful service life: | 15 | 5 |

Operational Information of Equipment:

Describe the operational period of the equipment (i.e. Months, Days, Hours): 2577

Does this project produce energy savings Monday through Friday during the months of June through August from the hours of 3 PM to 6 PM: ☒ Yes ☐ No

For a New Facility, Please attach an itemized summary sheet that lists all installed measures that exceed current building standards

For operational improvement projects, provide a detailed description of all operational improvements and/or schedule changes for achievement of conservation efforts:

Energy Savings Information:

| Equipment | Kwh Usage | Yearly hours of operation | Demand (kW) | |
|--|-----------|---------------------------|---|-------|
| Old | 226,776 | 2,577 | 88 | |
| Standard | 226,776 | 2,577 | 88 | |
| New | 58,360 | 2,577 | 51 | |
| Annual reduced kWh attributable to this project: | 168,416 | kWh | kW demand reduction attributable to this project: | 37 kW |
| Annual reduced kWh eligible for an incentive : | 168,416 | kWh | | |

Please describe all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results. Additionally, identify and explain all deviations from any program measurement and verification guidelines that may be published by the Commission.

FirstEnergy Lighting Calculator

Please describe all documents that provide proof of purchase and verification that project was completed and is in-service. Also, provide an accounting of expenditures for this project. (Must attach all described documents with submission of application). *Label all pages deemed to be confidential*

Invoice

Customer Legal Entity Name: East Cleveland City School district
Site Address: East Cleveland City School district
Principal Address: 1843 Stanwood Rd.

| Project No. | Project Name | Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment: | Description of methodologies, protocols and practices used in measuring and verifying project results | What date would you have replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date. | Please describe the less efficient new equipment that you rejected in favor of the more efficient new equipment. |
|-------------|-------------------------|---|---|--|--|
| 1 | Shaw High School Part 1 | Lighting Retrofit | FirstEnergy Lighting Calculator | N/A | N/A |
| 2 | Shaw High School Part 2 | Lighting retrofit | FirstEnergy Lighting Calculator | N/A | N/A |
| | | | | | |
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Exhibit 2

Customer Legal Entity Name: East Cleveland City School district
Site Address: East Cleveland City School district
Principal Address: 1843 Stanwood Rd.

| | Unadjusted Usage, kwh (A) | Weather Adjusted Usage, kwh (B) | Weather Adjusted Usage with Energy Efficiency Addbacks, kwh (c) <i>Note 1</i> |
|----------------|------------------------------|------------------------------------|---|
| 2019 | 3,192,000 | 3,192,000 | 3,192,000 |
| Average | 3,192,000 | 3,192,000 | 3,192,000 |

| Project Number | Project Name | In-Service Date | Project Cost \$ | 50% of Project Cost \$ | KWh Saved/Year (D) counting towards utility compliance | KWh Saved/Year (E) eligible for incentive | Utility Peak Demand Reduction Contribution, KW (F) | Prescriptive Rebate Amount (G) \$ | Eligible Rebate Amount (H) \$ <i>Note 2</i> | Commitment Payment \$ | |
|----------------|-------------------------|-----------------|-----------------|------------------------|--|---|--|-----------------------------------|--|-----------------------|-----|
| 1 | Shaw High School Part 1 | 12/23/2019 | \$71,674 | \$35,837 | 362,217 | 362,217 | 62 | \$16,045 | \$12,034 | | |
| 2 | Shaw High School Part 2 | 12/23/2019 | \$71,673 | \$35,837 | 168,416 | 168,416 | 37 | \$8,314 | \$6,236 | | |
| | | | | | - | - | - | | | | |
| | | | | | - | - | - | | | | |
| | | | | | - | - | - | | | | |
| | | | | | - | - | - | | | | |
| Total | | | | | \$143,347 | 530,633 | 530,633 | 99 | \$24,359 | \$18,269 | \$0 |

Docket No. 20-1050
Site: 1843 Stanwood Rd.

Notes

(2) The eligible rebate amount is based upon 75% of the rebates offered by the FirstEnergy Commercial and Industrial Energy Efficiency programs, not to exceed the lesser of 50% of the project cost or \$250,000 per project. Combined Heat & Power (CHP) projects are not subject to the \$250,000 project rebate cap.

Exhibit 3

UCT = Utility Avoided Costs / Utility Costs

| Project | Utility Avoided Cost \$ (A) | Utility Cost \$ (B) | Cash Rebate \$ (C) | Administrator Variable Fee \$ (D) | Total Utility Cost \$ (E) | UCT (F) |
|--------------|--------------------------------------|---------------------------|-----------------------|--|------------------------------------|-------------|
| 1 | \$ 179,750 | \$ 2,025 | \$ 12,034 | \$3,622 | \$ 17,681 | 10.2 |
| 2 | \$ 83,576 | \$ 2,025 | \$ 6,236 | \$1,684 | \$ 9,945 | 8.40 |
| Total | 263,327 | 4,050 | 18,269 | \$5,306 | 27,626 | 9.5 |

Notes

- (A) Represents NPV of avoided energy and capacity costs over a 10 year life multiplied by the annual project savings.
- (B) Represents the utility's costs incurred for self-directed mercantile applications for applications filed and applications in progress. Includes incremental costs of legal fees, fixed administrative expenses, etc.
- (C) This is the amount of the Rebate Payment paid to the customer for this
- (D) Based on approximate Administrator's variable compensation for purposes of calculating the UCT, actual compensation may be less.
- (E) = (B) + (C) + (D)
- (F) = (A) / (E)

East Cleveland City School district ~ East Cleveland City School district

Docket No. 20-1050

Site: 1843 Stanwood Rd.

Project Estimated Summary

Lighting Incentive Program

| | |
|------------------|--|
| Customer Name | |
| Building Name | |
| Building Address | |

| | | |
|--|-------------|--|
| Estimated Annual Energy Savings (kWh) | 326,216.80 | |
| Demand Reduction (kW _{summer}) | 61.79 | |
| Annual Operating Hours | 2676 | |
| Total Calculated Project Incentive | \$16,044.89 | |

| Equipment Category | kW | kWh | Quantity | Incentive |
|--|-------|------------|----------|------------|
| Lighting Controls | 12.56 | 52,763.59 | 1865 | \$2,638.22 |
| Linear Fluorescent T8 & T5 | - | - | 0 | \$0.00 |
| Linear LED | 42.53 | 178,669.03 | 1679 | \$8,933.35 |
| Exit Signs | 1.47 | 23,500.89 | 70 | \$1,050.00 |
| LED Fixtures External | - | 5,580.85 | 16 | \$279.04 |
| LED Fixtures Internal | 3.89 | 16,344.15 | 158 | \$817.17 |
| LED Lamps | 1.34 | 5,616.10 | 28 | \$140.00 |
| LED Reach-in Refrigerator/Freezer Lighting | - | - | 0 | \$0.00 |
| LED Channel Signage | - | - | 0 | \$0.00 |
| Street and Area Lighting | - | 43,742.20 | 62 | \$2,187.11 |
| Custom - Process Improvement | - | - | 0 | \$0.00 |

Sodexo, Inc. - 1 (866) 578-5220 | energysaveOH@sodexo.com

| | |
|----------------------|-----------|
| Deemed kW Savings | 61.79 |
| As Found kW Savings | 61.79 |
| Total kW Savings | 61.79 |
| Deemed kWh Savings | 326216.80 |
| As Found kWh Savings | 326216.80 |
| Total kWh Savings | 326216.80 |

| | |
|------------------------------|------|
| Non Prescriptive kWh Savings | 0.00 |
|------------------------------|------|

Project Estimated Summary

Lighting Incentive Program

| | |
|------------------|--|
| Customer Name | |
| Building Name | |
| Building Address | |

| | | |
|--|------------|--|
| Estimated Annual Energy Savings (kWh) | 168,415.65 | |
| Demand Reduction (kW _{summer}) | 36.55 | |
| Annual Operating Hours | 2577 | |
| Total Calculated Project Incentive | \$8,313.63 | |

| Equipment Category | kW | kWh | Quantity | Incentive |
|--|-------|-----------|----------|------------|
| Lighting Controls | 6.91 | 29,030.79 | 907 | \$1,451.59 |
| Linear Fluorescent T8 & T5 | - | - | 0 | \$0.00 |
| Linear LED | 19.91 | 83,633.97 | 821 | \$4,181.69 |
| Exit Signs | 1.26 | 20,143.62 | 60 | \$900.00 |
| LED Fixtures External | - | - | 0 | \$0.00 |
| LED Fixtures Internal | 0.39 | 1,633.41 | 42 | \$81.66 |
| LED Lamps | - | - | 0 | \$0.00 |
| LED Reach-in Refrigerator/Freezer Lighting | - | - | 0 | \$0.00 |
| LED Channel Signage | - | - | 0 | \$0.00 |
| Street and Area Lighting | - | - | 0 | \$0.00 |
| Custom - Process Improvement | 8.09 | 33,973.86 | 46 | \$1,698.69 |

Sodexo, Inc. - 1 (866) 578-5220 | energysaveOH@sodexo.com

| | |
|----------------------|-----------|
| Deemed kW Savings | 36.55 |
| As Found kW Savings | 36.55 |
| Total kW Savings | 36.55 |
| Deemed kWh Savings | 168415.65 |
| As Found kWh Savings | 168415.65 |
| Total kWh Savings | 168415.65 |

| | |
|------------------------------|------|
| Non Prescriptive kWh Savings | 0.00 |
|------------------------------|------|