



Case No.: 14-2055-EL-EEC

Mercantile Customer: Cleveland Municipal School District

Electric Utility: The Cleveland Electric Illuminating Company

Program Title or Description: Paul L Dunbar Renovation

Rule 4901:1-39-05(F), Ohio Administrative Code (O.A.C.), permits a mercantile customer to file, either individually or jointly with an electric utility, an application to commit the customer's existing demand reduction, demand response, and energy efficiency programs for integration with the electric utility's programs. The following application form is to be used by mercantile customers, either individually or jointly with their electric utility, to apply for commitment of such programs in accordance with the Commission's pilot program established in Case No. [10-834-EL-POR](#)

Completed applications requesting the cash rebate reasonable arrangement option in lieu of an exemption from the electric utility's energy efficiency and demand reduction (EEDR) rider will be automatically approved on the sixty-first calendar day after filing, unless the Commission, or an attorney examiner, suspends or denies the application prior to that time. Completed applications requesting the exemption from the EEDR rider for a period of up to 12 months will also qualify for the 60-day automatic approval. However, all applications requesting an exemption from the EEDR rider for longer than 12 months must provide additional information, as described within the Historical Mercantile Annual Report Template, that demonstrates additional energy savings and the continuance of the Customer's energy efficiency program. This information must be provided to the Commission at least 61 days prior to the termination of the initial 12 month exemption period to prevent interruptions in the exemption period.

Complete a separate application for each customer program. Projects undertaken by a customer as a single program at a single location or at various locations within the same service territory should be submitted together as a single program filing, when possible.

Check all boxes that are applicable to your program. For each box checked, be sure to complete all subparts of the question, and provide all requested additional information. Submittal of altered or incomplete applications may result in a suspension of the automatic approval process or denial of the application.

Any confidential or trade secret information may be submitted to Staff on disc or via email at ee-pdr@puc.state.oh.us.

Section 1: Mercantile Customer Information

Name: Cleveland Municipal School District

Principal address: 1111 Superior Ave E, Cleveland, OH 44114

Address of facility for which this energy efficiency program applies: 2200 W 28th St, Cleveland, OH 44113

Name and telephone number for responses to questions: Gary Sautter 216-838-0404

Electricity use by the customer (check the box(es) that apply):

- ☐ The customer uses more than seven hundred thousand kilowatt hours per year at the above facility. (Please attach documentation.)
- ☒ The customer is part of a national account involving multiple facilities in one or more states. (Please attach documentation.)

Section 2: Application Information

A) The customer is filing this application (choose which applies):

- ☐ Individually, without electric utility participation.
- ☒ Jointly with the electric utility.

B) The electric utility is: The Cleveland Electric Illuminating Company

C) The customer is offering to commit (check any that apply):

- ☒ Energy savings from the customer's energy efficiency program. (Complete Sections 3, 5, 6, and 7.)
- ☐ Capacity savings from the customer's demand response/demand reduction program. (Complete Sections 4, 5, 6, and 7.)
- ☐ Both the energy savings and the capacity savings from the customer's energy efficiency program. (Complete all sections of the Application.)

Section 3: Energy Efficiency Programs

A) The customer's energy efficiency program involves (check those that apply):

- ☐ Early replacement of fully functioning equipment with new equipment. (Provide the date on which the customer replaced fully functioning equipment, and the date on which the customer would have replaced such equipment if it had not been replaced early. Please include a brief explanation for how the customer determined this future replacement date (or, if not known, please explain why this is not known)). **If Checked, Please see Exhibit 1 and Exhibit 2**
- ☐ Installation of new equipment to replace failed equipment which has no useful life remaining. The customer installed new equipment on the following date(s): _____.
- ☒ Installation of new equipment for new construction or facility expansion. The customer installed new equipment on the following date(s):

11/30/2013.
- ☐ Behavioral or operational improvement.

B) Energy savings achieved/to be achieved by the energy efficiency program:

- 1) If you checked the box indicating that the project involves the early replacement of fully functioning equipment replaced with new equipment, then calculate the annual savings [(kWh used by the original equipment) - (kWh used by new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: _____ kWh

- 2) If you checked the box indicating that the customer installed new equipment to replace failed equipment which had no useful life remaining, then calculate the annual savings [(kWh used by new standard equipment) - (kWh used by the optional higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: _____ kWh

Please describe any less efficient new equipment that was rejected in favor of the more efficient new equipment. **Please see Exhibit 1 if applicable**

- 3) If you checked the box indicating that the project involves equipment for new construction or facility expansion, then calculate the annual savings [(kWh used by standard new equipment) - (kWh used by optional higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: 25,734 kWh

Please describe the less efficient new equipment that was rejected in favor of the more efficient new equipment. **Please see Exhibit 1 if applicable**

- 4) If you checked the box indicating that the project involves behavioral or operational improvements, provide a description of how the annual savings were determined.

Annual savings: _____ kWh

Section 4: Demand Reduction/Demand Response Programs

A) The customer's program involves (check the one that applies):

- ☒ This project does not include peak demand reduction savings.
- ☐ Coincident peak-demand savings from the customer's energy efficiency program.
- ☐ Actual peak-demand reduction. (Attach a description and documentation of the peak-demand reduction.)
- ☐ Potential peak-demand reduction (check the one that applies):
 - ☐ The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a tariff of a regional transmission organization (RTO) approved by the Federal Energy Regulatory Commission.
 - ☐ The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a program that is equivalent to an RTO program, which has been approved by the Public Utilities Commission of Ohio.

B) On what date did the customer initiate its demand reduction program?

C) What is the peak demand reduction achieved or capable of being achieved (show calculations through which this was determined):

_____ kW

Section 5: Request for Cash Rebate Reasonable Arrangement, Exemption from Rider, or Commitment Payment

Under this section, check all boxes that apply and fill in all corresponding blanks.

A) The customer is applying for:

☒ A cash rebate reasonable arrangement.

☐ An exemption from the energy efficiency cost recovery mechanism implemented by the electric utility.

☐ Commitment payment

B) The value of the option that the customer is seeking is:

A cash rebate reasonable arrangement.

☒ A cash rebate of \$1,544. (Rebate shall not exceed 50% project cost. Attach documentation showing the methodology used to determine the cash rebate value and calculations showing how this payment amount was determined.)

An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider.

☐ An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for _____ months (not to exceed 24 months). (Attach calculations showing how this time period was determined.)

☐ Ongoing exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for an initial period of 24 months because this program is part of the customer's ongoing efficiency program. (Attach documentation that establishes the ongoing nature of the program.) In order to continue the exemption beyond the initial 12 month period, the customer will need to complete, and file within this application, the Historical Mercantile Annual Report

Template to verify the projects energy savings are persistent.

- ☐ A commitment payment valued at no more than \$____. (Attach documentation and calculations showing how this payment amount was determined.)

Section 6: Cost Effectiveness

The program is cost effective because it has a benefit/cost ratio greater than 1 using the (choose which applies):

- ☐ Total Resource Cost (TRC) Test. The calculated TRC value is: ____ (Continue to Subsection 1, then skip Subsection 2)
- ☒ Utility Cost Test (UCT) . The calculated UCT value is: **See Exhibit 3** (Skip to Subsection 2.)

Subsection 1: TRC Test Used (please fill in all blanks).

The TRC value of the program is calculated by dividing the value of our avoided supply costs (generation capacity, energy, and any transmission or distribution) by the sum of our program overhead and installation costs and any incremental measure costs paid by either the customer or the electric utility.

The electric utility's avoided supply costs were _____.

Our program costs were _____.

The incremental measure costs were _____.

Subsection 2: UCT Used (please fill in all blanks).

We calculated the UCT value of our program by dividing the value of our avoided supply costs (capacity and energy) by the costs to our electric utility (including administrative costs and incentives paid or rider exemption costs) to obtain our commitment.

Our avoided supply costs were **See Exhibit 3**

The utility's program costs were **See Exhibit 3**

The utility's incentive costs/rebate costs were **See Exhibit 3**

Section 7: Additional Information


Please attach the following supporting documentation to this application:

- Narrative description of the program including, but not limited to, make, model, and year of any installed and replaced equipment.
- A copy of the formal declaration or agreement that commits the program or measure to the electric utility, including:
 - 1) any confidentiality requirements associated with the agreement;
 - 2) a description of any consequences of noncompliance with the terms of the commitment;
 - 3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;
 - 4) permission by the customer to the electric utility and Commission staff and consultants to measure and verify energy savings and/or peak-demand reductions resulting from your program; and,
 - 5) a commitment by the customer to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.
- A description of 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.



Public Utilities Commission

Application to Commit
Energy Efficiency/Peak Demand
Reduction Programs
(Mercantile Customers Only)

Case No.: 

State of Ohio :

Gary Sautter, Affiant, being duly sworn according to law, deposes and says that:

1. I am the duly authorized representative of:

Cleveland Municipal School District

[insert customer or EDU company name and any applicable name(s) doing business as]

2. I have personally examined all the information contained in the foregoing application, including any exhibits and attachments. Based upon my examination and inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.

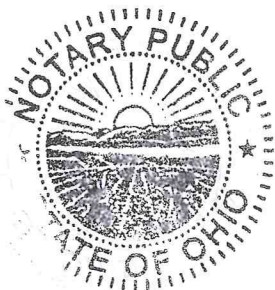
 Deputy Chief of Capital Budget
Signature of Affiant & Title

Sworn and subscribed before me this 200 day of December, 2014 Month/Year


Signature of official administering oath

Michael C. Henderson, Notary
Print Name and Title

My commission expires on August 18, 2016



MYCHAEL C. HENDERSON
Notary Public, State of Ohio
My Commission Expires
August 18, 2016

Customer Legal Entity Name: Cleveland Municipal School District
Site Address: Paul L Dunbar
Principal Address: 2200 W 28TH ST

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	Paul L Dunbar New Construction Mechanicals	Building built in 1965 that was completely renovated and equipped with more efficient roof top units, chillers, heaters, refrigeration and other electrical components that exceed the ASHREA standard.	See LEED Building Simulation Doc	N/A	N/A

Docket No. 14-2055
Site: 2200 W 28TH ST

Exhibit 2

Customer Legal Entity Name: Cleveland Municipal School District

Site Address: Paul L Dunbar

Principal Address: 2200 W 28TH ST

Unadjusted
Usage, kwh (A)Weather Adjusted
Usage, kwh (B)

**Weather Adjusted Usage
with Energy Efficiency
Addbacks, kwh
(c)
Note 1**

Average

0

0

0

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>
1	Paul L Dunbar New Construction Mechanicals	11/30/2013	\$2,111,309	\$1,055,655	25,734	25,734	-	\$2,059	\$1,544
					-	-	-		
					-	-	-		
					-	-	-		
					-	-	-		
					-	-	-		
		Total	\$2,111,309		25,734	25,734	0	\$2,059	\$1,544

Docket No. 14-2055

Site: 2200 W 28TH ST

Notes

(1) Customer's usage is adjusted to account for the effects of the energy efficiency programs included in this application. When applicable, such adjustments are prorated to the in-service date to account for partial year savings.

(2) The eligible rebate amount is based upon 75% of the rebates offered by the FirstEnergy Commercial and Industrial Energy Efficiency programs or 75% of \$0.08/kWh for custom programs for all energy savings eligible for a cash rebate as defined in the PUCO order in Case NO.10-834-EL-EEC dated 9/15/2010, not to exceed the lesser of 50% of the project cost or \$250,000 per project. The rebate also cannot exceed \$500,000 per customer per year, per utility service territory.

Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh (A)	Utility Avoided Cost \$/MWh (B)	Utility Avoided Cost \$ (C)	Utility Cost \$ (D)	Cash Rebate \$ (E)	Administrator Variable Fee \$ (F)	Total Utility Cost \$ (G)	UCT (H)
1	26	\$ 308	\$ 7,933	\$ 4,050	\$1,544	\$257	\$ 5,852	1.4
Total	26	\$ 308	7,933	4,050	\$1,544	\$257	5,852	1.4

Notes

- (A) From Exhibit 2, = kWh saved / 1000
- (B) This value represents avoided energy costs (wholesale energy prices) from the Department of Energy, Energy Information Administration's 2009 Annual Energy Outlook (AEO) low oil prices case. The AEO represents a national average energy price, so for a better representation of the energy price that Ohio customers would see, a Cinergy Hub equivalent price was derived by applying a ratio based on three years of historic national average and Cinergy Hub prices. This value is consistent with avoided cost assumptions used in EE&PDR Program Portfolio and Initial Benchmark Report, filed Dec 15, 2009 (See Section 8.1, paragraph a).
- (C) = (A) * (B)
- (D) 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.
- (E) This is the amount of the cash rebate paid to the customer for this project.
- (F) Based on approximate Administrator's variable compensation for purposes of calculating the UCT, actual compensation may be less.
- (G) = (D) + (E) + (F)
- (H) = (C) / (G)

Cleveland Municipal School District ~ Paul L Dunbar
Docket No. 14-2055

Site: 2200 W 28TH ST



Ohio Edison • The Illuminating Company • Toledo Edison

Mercantile Customer Program - Custom Project Rebate Calculator

Project Name and Number:	Paul Dunbar Mechanicals upgrade
Site Name:	Paul Dunbar School
Completed by (Name):	Michele Difrancesco
Date completed:	11/13/2014

Energy Conservation Measure	Annual Energy Savings kWh	Eligible Prescriptive Rebate Amount kWh * \$0.08
Mechanical System upgrade	25,734	2058.72
Total Project Energy Savings kWh	25,734	
Total Custom Prescriptive Rebate Amount \$		\$ 2,058.72

<p align="center">Notes about this rebate calculation:</p> <p>See LEED Building Simulator attached to this application.</p>
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Annual Cost Summary

R06_LEED-AHU-VENT_Paul Dunbar School PK-8
 Ralph Tyler Companies

12/14/2011
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Table 1. Annual Costs

Component	[B000] BASE LINE (\$)	[B090] BASE LINE (\$)	[B180] BASE LINE (\$)	[B270] BASE LINE (\$)	PAUL DUNBAR PK-8 (\$)
Air System Fans	11,483	11,352	11,391	11,454	8,874
Cooling	6,451	6,329	6,329	6,411	6,532
Heating	14,835	14,914	15,038	14,972	4,602
Pumps	798	795	796	800	1,636
Cooling Tower Fans	0	0	0	0	0
HVAC Sub-Total	33,567	33,390	33,553	33,636	21,644
Lights	12,457	12,457	12,457	12,457	10,952
Electric Equipment	20,963	20,963	20,963	20,963	20,963
Misc. Electric	5,586	5,586	5,586	5,586	3,981
Misc. Fuel Use	10,679	10,679	10,679	10,679	10,679
Non-HVAC Sub-Total	49,685	49,685	49,685	49,685	46,575
Grand Total	83,253	83,075	83,238	83,321	68,219

Table 2. Annual Cost per Unit Floor Area

Component	[B000] BASE LINE (\$/ft²)	[B090] BASE LINE (\$/ft²)	[B180] BASE LINE (\$/ft²)	[B270] BASE LINE (\$/ft²)	PAUL DUNBAR PK-8 (\$/ft²)
Air System Fans	0.181	0.179	0.179	0.180	0.140
Cooling	0.102	0.100	0.100	0.101	0.103
Heating	0.233	0.235	0.237	0.236	0.072
Pumps	0.013	0.013	0.013	0.013	0.026
Cooling Tower Fans	0.000	0.000	0.000	0.000	0.000
HVAC Sub-Total	0.528	0.525	0.528	0.529	0.341
Lights	0.196	0.196	0.196	0.196	0.172
Electric Equipment	0.330	0.330	0.330	0.330	0.330
Misc. Electric	0.088	0.088	0.088	0.088	0.063
Misc. Fuel Use	0.168	0.168	0.168	0.168	0.168
Non-HVAC Sub-Total	0.782	0.782	0.782	0.782	0.733
Grand Total	1.310	1.307	1.310	1.311	1.073
Gross Floor Area (ft²)	63549.0	63549.0	63549.0	63549.0	63549.0
Conditioned Floor Area (ft²)	58019.6	58019.6	58019.6	58019.6	58019.6

Note: Values in this table are calculated using the Gross Floor Area.

Annual Cost Summary

R06_LEED-AHU-VENT_Paul Dunbar School PK-8
Ralph Tyler Companies

12/14/2011
12:59PM

Table 3. Component Cost as a Percentage of Total Cost

Component	[B000] BASE LINE (%)	[B090] BASE LINE (%)	[B180] BASE LINE (%)	[B270] BASE LINE (%)	PAUL DUNBAR PK-8 (%)
Air System Fans	13.8	13.7	13.7	13.7	13.0
Cooling	7.7	7.6	7.6	7.7	9.6
Heating	17.8	18.0	18.1	18.0	6.7
Pumps	1.0	1.0	1.0	1.0	2.4
Cooling Tower Fans	0.0	0.0	0.0	0.0	0.0
HVAC Sub-Total	40.3	40.2	40.3	40.4	31.7
Lights	15.0	15.0	15.0	15.0	16.1
Electric Equipment	25.2	25.2	25.2	25.2	30.7
Misc. Electric	6.7	6.7	6.7	6.7	5.8
Misc. Fuel Use	12.8	12.9	12.8	12.8	15.7
Non-HVAC Sub-Total	59.7	59.8	59.7	59.6	68.3
Grand Total	100.0	100.0	100.0	100.0	100.0

Energy Budget by Energy Source - [B000] BASE LINE

R06_LEED-AHU-VENT_Paul Dunbar School PK-8
Ralph Tyler Companies

12/14/2011
12:59PM

1. Annual Coil Loads

Component	Load (kBTU)	(kBTU/ft²)
Cooling Coil Loads	1,517,987	23.887
Heating Coil Loads	966,571	15.210
Grand Total	2,484,558	39.097

2. Energy Consumption by Energy Source

Component	Site Energy (kBTU)	Site Energy (kBTU/ft²)	Source Energy (kBTU)	Source Energy (kBTU/ft²)
HVAC Components				
Electric	739,248	11.633	2,640,173	41.546
Natural Gas	1,175,118	18.492	1,175,118	18.492
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Remote Chilled Water	0	0.000	0	0.000
HVAC Sub-Total	1,914,366	30.124	3,815,291	60.037
Non-HVAC Components				
Electric	1,535,049	24.155	5,482,318	86.269
Natural Gas	848,856	13.358	848,856	13.358
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Non-HVAC Sub-Total	2,383,905	37.513	6,331,174	99.627
Grand Total	4,298,272	67.637	10,146,465	159.664

Notes:

1. 'Cooling Coil Loads' is the sum of all air system cooling coil loads.
2. 'Heating Coil Loads' is the sum of all air system heating coil loads.
3. Site Energy is the actual energy consumed.
4. Source Energy is the site energy divided by the electric generating efficiency (28.0%).
5. Source Energy for fuels equals the site energy value.
6. Energy per unit floor area is based on the gross building floor area.
 Gross Floor Area **63549.0** ft²
 Conditioned Floor Area **58019.6** ft²

Energy Budget by Energy Source - [B090] BASE LINE

R06_LEED-AHU-VENT_Paul Dunbar School PK-8
Ralph Tyler Companies

12/14/2011
12:59PM

1. Annual Coil Loads

Component	Load (kBTU)	(kBTU/ft²)
Cooling Coil Loads	1,521,432	23.941
Heating Coil Loads	971,468	15.287
Grand Total	2,492,900	39.228

2. Energy Consumption by Energy Source

Component	Site Energy (kBTU)	Site Energy (kBTU/ft²)	Source Energy (kBTU)	Source Energy (kBTU/ft²)
HVAC Components				
Electric	729,186	11.474	2,604,237	40.980
Natural Gas	1,181,329	18.589	1,181,329	18.589
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Remote Chilled Water	0	0.000	0	0.000
HVAC Sub-Total	1,910,515	30.064	3,785,566	59.569
Non-HVAC Components				
Electric	1,535,049	24.155	5,482,318	86.269
Natural Gas	848,856	13.358	848,856	13.358
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Non-HVAC Sub-Total	2,383,905	37.513	6,331,174	99.627
Grand Total	4,294,421	67.577	10,116,740	159.196

Notes:

1. 'Cooling Coil Loads' is the sum of all air system cooling coil loads.
2. 'Heating Coil Loads' is the sum of all air system heating coil loads.
3. Site Energy is the actual energy consumed.
4. Source Energy is the site energy divided by the electric generating efficiency (28.0%).
5. Source Energy for fuels equals the site energy value.
6. Energy per unit floor area is based on the gross building floor area.
 Gross Floor Area **63549.0** ft²
 Conditioned Floor Area **58019.6** ft²

Energy Budget by Energy Source - [B180] BASE LINE

R06_LEED-AHU-VENT_Paul Dunbar School PK-8
Ralph Tyler Companies

12/14/2011
12:59PM

1. Annual Coil Loads

Component	Load (kBTU)	(kBTU/ft²)
Cooling Coil Loads	1,519,127	23.905
Heating Coil Loads	979,352	15.411
Grand Total	2,498,480	39.316

2. Energy Consumption by Energy Source

Component	Site Energy (kBTU)	Site Energy (kBTU/ft²)	Source Energy (kBTU)	Source Energy (kBTU/ft²)
HVAC Components				
Electric	730,742	11.499	2,609,793	41.067
Natural Gas	1,191,148	18.744	1,191,148	18.744
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Remote Chilled Water	0	0.000	0	0.000
HVAC Sub-Total	1,921,890	30.243	3,800,941	59.811
Non-HVAC Components				
Electric	1,535,049	24.155	5,482,318	86.269
Natural Gas	848,856	13.358	848,856	13.358
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Non-HVAC Sub-Total	2,383,905	37.513	6,331,174	99.627
Grand Total	4,305,795	67.756	10,132,115	159.438

Notes:

1. 'Cooling Coil Loads' is the sum of all air system cooling coil loads.
2. 'Heating Coil Loads' is the sum of all air system heating coil loads.
3. Site Energy is the actual energy consumed.
4. Source Energy is the site energy divided by the electric generating efficiency (28.0%).
5. Source Energy for fuels equals the site energy value.
6. Energy per unit floor area is based on the gross building floor area.
 Gross Floor Area **63549.0** ft²
 Conditioned Floor Area **58019.6** ft²

Energy Budget by Energy Source - [B270] BASE LINE

R06_LEED-AHU-VENT_Paul Dunbar School PK-8
Ralph Tyler Companies

12/14/2011
12:59PM

1. Annual Coil Loads

Component	Load (kBTU)	(kBTU/ft²)
Cooling Coil Loads	1,537,829	24.199
Heating Coil Loads	975,262	15.347
Grand Total	2,513,091	39.546

2. Energy Consumption by Energy Source

Component	Site Energy (kBTU)	Site Energy (kBTU/ft²)	Source Energy (kBTU)	Source Energy (kBTU/ft²)
HVAC Components				
Electric	736,605	11.591	2,630,731	41.397
Natural Gas	1,185,912	18.661	1,185,912	18.661
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Remote Chilled Water	0	0.000	0	0.000
HVAC Sub-Total	1,922,516	30.253	3,816,643	60.058
Non-HVAC Components				
Electric	1,535,049	24.155	5,482,318	86.269
Natural Gas	848,856	13.358	848,856	13.358
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Non-HVAC Sub-Total	2,383,905	37.513	6,331,174	99.627
Grand Total	4,306,422	67.765	10,147,817	159.685

Notes:

1. 'Cooling Coil Loads' is the sum of all air system cooling coil loads.
2. 'Heating Coil Loads' is the sum of all air system heating coil loads.
3. Site Energy is the actual energy consumed.
4. Source Energy is the site energy divided by the electric generating efficiency (28.0%).
5. Source Energy for fuels equals the site energy value.
6. Energy per unit floor area is based on the gross building floor area.
 Gross Floor Area **63549.0** ft²
 Conditioned Floor Area **58019.6** ft²

Energy Budget by Energy Source - PAUL DUNBAR PK-8

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 Ralph Tyler Companies

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1. Annual Coil Loads

Component	Load (kBTU)	(kBTU/ft²)
Cooling Coil Loads	1,107,684	17.430
Heating Coil Loads	325,615	5.124
Grand Total	1,433,299	22.554

2. Energy Consumption by Energy Source

Component	Site Energy (kBTU)	Site Energy (kBTU/ft²)	Source Energy (kBTU)	Source Energy (kBTU/ft²)
HVAC Components				
Electric	678,566	10.678	2,423,449	38.135
Natural Gas	349,879	5.506	349,879	5.506
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Remote Chilled Water	0	0.000	0	0.000
HVAC Sub-Total	1,028,445	16.184	2,773,328	43.641
Non-HVAC Components				
Electric	1,412,631	22.229	5,045,111	79.389
Natural Gas	848,856	13.358	848,856	13.358
Fuel Oil	0	0.000	0	0.000
Propane	0	0.000	0	0.000
Remote Hot Water	0	0.000	0	0.000
Remote Steam	0	0.000	0	0.000
Non-HVAC Sub-Total	2,261,487	35.587	5,893,967	92.747
Grand Total	3,289,932	51.770	8,667,295	136.388

Notes:

1. 'Cooling Coil Loads' is the sum of all air system cooling coil loads.
2. 'Heating Coil Loads' is the sum of all air system heating coil loads.
3. Site Energy is the actual energy consumed.
4. Source Energy is the site energy divided by the electric generating efficiency (28.0%).
5. Source Energy for fuels equals the site energy value.
6. Energy per unit floor area is based on the gross building floor area.
 Gross Floor Area **63549.0** ft²
 Conditioned Floor Area **58019.6** ft²

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General Information

Simulation Program Name and Version Hourly Analysis Program v4.51
Simulation Weather File Name Cleveland, Ohio (TM2)

Building Designations

Proposed Building PAUL DUNBAR PK-8
Baseline - 0 degrees [B000] BASE LINE
Baseline - 90 degrees [B090] BASE LINE
Baseline - 180 degrees [B180] BASE LINE
Baseline - 270 degrees [B270] BASE LINE

Floor Areas and Window-to-Wall Ratios

	Proposed Design	Baseline
Total Conditioned Floor Area (ft²)	58,020	58,020
Total Floor Area (ft²)	63,549	63,549
Window to Wall Ratio	10 %	10 %
Gross Wall Area (ft²)	32,715	32,715
Vertical Window Area (ft²)	3,246	3,246

Advisory Messages

	Proposed Building	Baseline Building (0 deg. rotation)	Difference
Number of hours heating loads not met	103	132	-29
Number of hours cooling loads not met	58	43	+15

Energy Type Summary

Energy Type	Utility Rate Description	Units of Energy	Units of Demand
Electric	Ohio - EIA 2007 Avg	kWh	kW
Natural Gas	Ohio - EIA 2008 Avg	MCF	MBH

Energy Units:

1 kBTU = 1,000 BTU
1 kWh = 3.412 kBTU
1 MCF = 1,000.000 kBTU

Demand Units:

1 MBH = 1,000 BTU/h
1 kW = 3.412 MBH

Baseline Performance - Performance Rating Method Compliance

End Use	Process	Baseline Design Energy Type	Units of Annual Energy & Peak Demand	Baseline (0 deg rotation)	Baseline (90 deg rotation)	Baseline (180 deg rotation)	Baseline (270 deg rotation)	Baseline Design
Interior Lighting	No	Electric	Energy kWh	143,677	143,677	143,677	143,677	143,677
			Demand kW	61.3	61.3	61.3	61.3	61.3
Space Heating	No	Electric	Energy kWh	606	609	614	611	610
			Demand kW	1.2	1.2	1.2	1.2	1.2
Space Heating	No	Natural Gas	Energy MCF	1,175	1,181	1,191	1,186	1,183
			Demand MBH	2,295.0	2,299.4	2,299.2	2,294.8	2,297.1
Space Cooling	No	Electric	Energy kWh	74,403	72,999	72,996	73,941	73,585
			Demand kW	138.9	134.2	134.3	134.6	135.5
Pumps	No	Electric	Energy kWh	9,206	9,166	9,179	9,227	9,194
			Demand kW	1.7	1.7	1.7	1.7	1.7
Heat Rejection	No	Electric	Energy kWh	0	0	0	0	0
			Demand kW	0.0	0.0	0.0	0.0	0.0

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Fans - Interior	No	Electric	Energy kWh	132,448	130,937	131,378	132,109	131,718
			Demand kW	68.2	67.9	68.1	68.1	68.1
Receptacle Equipment	Yes	Electric	Energy kWh	241,789	241,789	241,789	241,789	241,789
			Demand kW	109.5	109.5	109.5	109.5	109.5
Elevator	Yes	Electric	Energy kWh	10,179	10,179	10,179	10,179	10,179
			Demand kW	4.8	4.8	4.8	4.8	4.8
Parking Lot Lights Tradable	No	Electric	Energy kWh	53,619	53,619	53,619	53,619	53,619
			Demand kW	11.3	11.3	11.3	11.3	11.3
Service Hot Water	No	Natural Gas	Energy MCF	849	849	849	849	849
			Demand MBH	448.2	448.2	448.2	448.2	448.2
Service Hot Water Circ Pump	Yes	Electric	Energy kWh	629	629	629	629	629
			Demand kW	0.3	0.3	0.3	0.3	0.3
Baseline Energy Totals	Total Annual Energy Use kBTU			4,298,257	4,294,399	4,305,774	4,306,408	4,301,210
	Annual Process Energy kBTU							861,860
	Process Energy Modeling Compliance							Y

(1) This form determines compliance using cost calculations from Section 1.9. Process Energy Costs should be modeled to accurately reflect the proposed building. Process Energy must be the same in the baseline and proposed cases, unless an exceptional calculation is used. Process energy costs must be at least 25% of the total baseline energy costs. Any exceptions must be supported by a narrative and/or other supporting documentation.
 (2) In this project Process Energy is 26% of total baseline energy cost.

Baseline Energy Costs

Energy Type	Baseline Cost (0 deg rotation) (\$)	Baseline Cost (90 deg rotation) (\$)	Baseline Cost (180 deg rotation) (\$)	Baseline Cost (270 deg rotation) (\$)	Baseline Building Performance (\$)
Electric	57,790	57,534	57,574	57,723	57,655
Natural Gas	25,462	25,540	25,663	25,597	25,566
Total Baseline Costs	83,252	83,074	83,237	83,320	83,221

Performance Rating Table - Performance Rating Method Compliance

End Use	Process ?	Baseline Building Units	Baseline Building Results	Proposed Design Energy Type	Proposed Design Units	Proposed Building Results	Percent Savings
Interior Lighting	No	Energy kWh	143,677	Electric	Energy kWh	126,317	12 %
		Demand kW	61.3		Demand kW	53.4	13 %
Space Heating	No	Energy kWh	610	Electric	Energy kWh	2,318	-280 %
		Demand kW	1.2		Demand kW	2.5	-114 %
Space Heating	No	Energy MCF	1,183	Natural Gas	Energy MCF	350	70 %
		Demand MBH	2,297.1		Demand MBH	735.1	68 %
Space Cooling	No	Energy kWh	73,585	Electric	Energy kWh	75,337	-2 %
		Demand kW	135.5		Demand kW	130.7	4 %
Pumps	No	Energy kWh	9,194	Electric	Energy kWh	18,865	-105 %
		Demand kW	1.7		Demand kW	10.8	-527 %
Heat Rejection	No	Energy kWh	0	Electric	Energy kWh	0	n/a
		Demand kW	0.0		Demand kW	0.0	n/a
Fans - Interior	No	Energy kWh	131,718	Electric	Energy kWh	102,357	22 %
		Demand kW	68.1		Demand kW	56.8	16 %
Receptacle Equipment	Yes	Energy kWh	241,789	Electric	Energy kWh	241,789	0 %
		Demand kW	109.5		Demand kW	109.5	0 %
Elevator	Yes	Energy kWh	10,179	Electric	Energy kWh	10,179	0 %
		Demand kW	4.8		Demand kW	4.8	0 %
Parking Lot Lights Tradable	No	Energy kWh	53,619	Electric	Energy kWh	35,113	35 %

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		Demand kW	11.3		Demand kW	7.4	35 %
Service Hot Water	No	Energy MCF	849	Natural Gas	Energy MCF	849	0 %
		Demand MBH	448.2		Demand MBH	448.2	0 %
Service Hot Water Circ Pump	Yes	Energy kWh	629	Electric	Energy kWh	629	0 %
		Demand kW	0.3		Demand kW	0.3	0 %
Energy Totals	Baseline Total Energy Use (kBtu)		4,301,210	Proposed Total Energy Use (kBtu)		3,289,969	24 %
	Baseline Annual Process Energy (kBtu)		861,860	Proposed Annual Process Energy (kBtu)		861,860	0 %

Energy Cost and Consumption by Energy Type - Performance Rating Method Compliance

	Proposed Design		Baseline Design	
Energy Type	Energy Use	Cost (\$)	Energy Use	Cost (\$)
Electric	612,905 kWh	53,139	664,999 kWh	57,655
Natural Gas	1,199 MCF	15,080	2,032 MCF	25,566
Subtotal (Model Outputs)	3,289,969 kBtu	68,219	4,301,210 kBtu	83,221
	Energy Generated	Renewable Energy Cost Savings (\$)		
Total On Site Renewable Energy				
	Energy Savings	Cost Savings (\$)		
Exceptional Calculation Totals				
	Energy Use	Cost (\$)		
Net Proposed Design Total	3,289,969 kBtu	68,219		
	Percent Savings		Energy Use Intensity	
	Energy	Cost	Proposed Design (kBtu/ft²)	Baseline Design (kBtu/ft²)
Summary Data	23.5 %	18.0 %	51.77	67.68

Calculation is the difference between Baseline kWh and Proposed Design less lighting figure highlighted above

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LEED 2009 EA Credit 1 Points Reference Table

New Construction % Cost Savings	Existing Building Renovations % Cost Savings	LEED 2009 Points Awarded
12%	8%	1 pt
14%	10%	2 pt
16%	12%	3 pts
18%	14%	4 pts
20%	16%	5 pts
22%	18%	6 pts
24%	20%	7 pts
26%	22%	8 pts
28%	24%	9 pts
30%	26%	10 pts
32%	28%	11 pts
34%	30%	12 pts
36%	32%	13 pts
38%	34%	14 pts
40%	36%	15 pts
42%	38%	16 pts
44%	40%	17 pts
46%	42%	18 pts
48%	44%	19 pts

Mercantile Customer Project Commitment Agreement
Cash Rebate Option

THIS MERCANTILE CUSTOMER PROJECT COMMITMENT AGREEMENT (“Agreement”) is made and entered into by and between The Cleveland Electric Illuminating Company, its successors and assigns (hereinafter called the “Company”) and Cleveland Municipal School District, Taxpayer ID No. 34-6000662 its permitted successors and assigns (hereinafter called the “Customer”) (collectively the “Parties” or individually the “Party”) and is effective on the date last executed by the Parties as indicated below.

WITNESSETH

WHEREAS, the Company is an electric distribution utility and electric light company, as both of these terms are defined in R.C. § 4928.01(A); and

WHEREAS, Customer is a mercantile customer, as that term is defined in R.C. § 4928.01(A)(19), doing business within the Company’s certified service territory; and

WHEREAS, R.C. § 4928.66 (the “Statute”) requires the Company to meet certain energy efficiency and peak demand reduction (“EE&PDR”) benchmarks; and

WHEREAS, when complying with certain EE&PDR benchmarks the Company may include the effects of mercantile customer-sited EE&PDR projects; and

WHEREAS, Customer has certain customer-sited demand reduction, demand response, or energy efficiency project(s) as set forth in attached Exhibit 1 (the “Customer Energy Project(s)”) that it desires to commit to the Company for integration into the Company’s Energy Efficiency & Peak Demand Reduction Program Portfolio Plan (“Company Plan”) that the Company will implement in order to comply with the Statute; and

WHEREAS, the Customer, pursuant to the Public Utilities Commission of Ohio’s (“Commission”) September 15, 2010 Order in Case No. 10-834-EL-EEC, desires to pursue a cash rebate of some of the costs pertaining to its Customer Energy Project(s) (“Cash Rebate”) and is committing the Customer Energy Project(s) as a result of such incentive.

WHEREAS, Customer’s decision to commit its Customer Energy Project(s) to the Company for inclusion in the Company Plan has been reasonably encouraged by the possibility of a Cash Rebate.

WHEREAS, in consideration of, and upon receipt of, said cash rebate, Customer will commit the Customer Energy Project(s) to the Company and will comply with all other terms and conditions set forth herein.

NOW THEREFORE, in consideration of the mutual promises set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, do hereby agree as follows:

1. **Customer Energy Projects.** Customer hereby commits to the Company and Company accepts for integration into the Company Plan the Customer Energy Project(s) set forth on attached Exhibit 1. Said commitment shall be for the life of the Customer Energy Project(s). Company will incorporate said project(s) into the Company Plan to the extent that such projects qualify. In so committing, and as evidenced by the affidavit attached hereto as Exhibit A, Customer acknowledges that the information provided to the Company about the Customer Energy Project(s) is true and accurate to the best of its knowledge.

- a. By committing the Customer Energy Project(s) to the Company, Customer acknowledges and agrees that the Company shall control the use of the kWh and kW reductions resulting from said projects for purposes of complying with the Statute. By committing the Customer Energy Project(s), Customer has the ability to either:
- i. Take ownership of the Energy Efficiency resource credits resulting from their Customer Energy Project(s) and may be able to bid - or sell - the Energy Efficiency resource credits into the market operated by the grid operator, PJM Interconnection, Inc. (PJM), provided several prerequisites are met; or
 - ii. Allow the Company to take ownership of the Energy Efficiency resource credits associated with their Customer Energy Project(s). The Company shall, at its sole discretion, aggregate said capacity into the PJM market through an auction. Any proceeds from any such bids accepted by PJM will be used to offset the costs charged to the Customer and other of the Company's customers for compliance with state mandated energy efficiency and/or peak demand requirements.

Please indicate your preference as to the treatment of your Energy Efficiency resource credits:

- ☐ Customer would like to retain ownership of its Energy Efficiency resource credits.
- ☒ Customer assigns ownership of its Energy Efficiency resource credits to Company for purposes of bidding these credits into PJM.

- b. The Company acknowledges that some of Customer's Energy Projects contemplated in this paragraph may have been performed under certain other federal and/or state programs in which certain parameters are required to be maintained in order to retain preferential financing or other government benefits (individually and collectively, as appropriate, "Benefits"). In the event that the use of any such project by the Company in any way affects such Benefits, and upon written request from the Customer, Company will release said Customer's Energy Project(s) to the extent necessary for Customer to meet the prerequisites for such Benefits. Customer acknowledges that such release (i) may affect Customer's cash rebate discussed in Article 3 below; and (ii) will not affect any of Customer's other requirements or obligations.
- c. Any future Customer Energy Project(s) committed by Customer shall be subject to a separate application and, upon approval by the Commission, said projects shall become part of this Agreement.
- d. Customer will provide Company or Company's agent(s) with reasonable assistance in the preparation of the Commission's standard joint application for approval of this Agreement ("Joint Application") that will be filed with the Commission, with such Joint Application being consistent with then current Commission requirements.
- e. Upon written request and reasonable advance notice, Customer will grant employees or authorized agents of either the Company or the Commission reasonable, pre-arranged access to the Customer Energy Project(s) for purposes of measuring and verifying energy savings and/or peak demand reductions resulting from the Customer Energy Project(s). It is expressly agreed that consultants of either the Company or the Commission are their respective authorized agents.
2. **Joint Application to the Commission.** The Parties will submit the Joint Application using the Commission's standard "Application to Commit Energy Efficiency/Peak Demand Reduction Programs" ("Joint Application") in which they will seek the Commission's approval of (i) this

Agreement: (ii) the commitment of the Customer Energy Project(s) for inclusion in the Company Plan; and (iii) the Customer's Cash Rebate.

The Joint Application shall include all information as set forth in the Commission's standard form which, includes without limitation:

- i. A narrative description of the Customer Energy Project(s), including but not limited to, make, model and year of any installed and/or replaced equipment;
- ii. A copy of this Agreement; and
- iii. A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results.

3. **Customer Cash Rebate.** Upon Commission approval of the Joint Application, Customer shall provide Company with a W-9 tax form, which shall at a minimum include Customer's tax identification number. Within the greater of 90 days of the Commission's approval of the Joint Application or the completion of the Customer Energy Project, the Company will issue to the Customer the Cash Rebate in the amount set forth in the Commission's Finding and Order approving the Joint Application.

- a. Customer acknowledges: i) that the Company will cap the Cash Rebate at the lesser of 50% of Customer Energy Project(s) costs or \$250,000; ii) the maximum rebate that the Customer may receive per year is \$500,000 per Taxpayer Identification Number per utility service territory; and iii) if the Customer Energy Project qualifies for a rebate program approved by the Commission and offered by the Company, Customer may still elect to file such project under the Company's mercantile customer self direct program, however the Cash Rebate that will be paid shall be discounted by 25%; and
- b. Customer acknowledges that breaches of this Agreement, include, but are not limited to:
 - i. Customer's failure to comply with the terms and conditions set forth in the Agreement, or its equivalent, within a reasonable period of time after receipt of written notice of such non-compliance;
 - ii. Customer knowingly falsifying any documents provided to the Company or the Commission in connection with this Agreement or the Joint Application.
- c. In the event of a breach of this Agreement by the Customer, Customer agrees and acknowledges that it will repay to the Company, within 90 days of receipt of written notice of said breach, the full amount of the Cash Rebate paid under this Agreement. This remedy is in addition to any and all other remedies available to the Company by law or equity.

4. **Termination of Agreement.** This Agreement shall automatically terminate:

- a. If the Commission fails to approve the Joint Agreement;
- b. Upon order of the Commission; or
- c. At the end of the life of the last Customer Energy Project subject to this Agreement.

Customer shall also have an option to terminate this Agreement should the Commission not approve the Customer's Cash Rebate, provided that Customer provides the Company with written

notice of such termination within ten days of either the Commission issuing a final appealable order or the Ohio Supreme Court issuing its opinion should the matter be appealed.

5. **Confidentiality.** Each Party shall hold in confidence and not release or disclose to any person any document or information furnished by the other Party in connection with this Agreement that is designated as confidential and proprietary ("Confidential Information"), unless: (i) compelled to disclose such document or information by judicial, regulatory or administrative process or other provisions of law; (ii) such document or information is generally available to the public; or (iii) such document or information was available to the receiving Party on a non-confidential basis at the time of disclosure.
 - a. Notwithstanding the above, a Party may disclose to its employees, directors, attorneys, consultants and agents all documents and information furnished by the other Party in connection with this Agreement, provided that such employees, directors, attorneys, consultants and agents have been advised of the confidential nature of this information and through such disclosure are deemed to be bound by the terms set forth herein.
 - b. A Party receiving such Confidential Information shall protect it with the same standard of care as its own confidential or proprietary information.
 - c. A Party receiving notice or otherwise concluding that Confidential Information furnished by the other Party in connection with this Agreement is being sought under any provision of law, to the extent it is permitted to do so under any applicable law, shall endeavor to: (i) promptly notify the other Party; and (ii) use reasonable efforts in cooperation with the other Party to seek confidential treatment of such Confidential Information, including without limitation, the filing of such information under a valid protective order.
 - d. By executing this Agreement, Customer hereby acknowledges and agrees that Company may disclose to the Commission or its Staff any and all Customer information, including Confidential Information, related to a Customer Energy Project, provided that Company uses reasonable efforts to seek confidential treatment of the same.
6. **Taxes.** Customer shall be responsible for all tax consequences (if any) arising from the payment of the Cash Rebate.
7. **Notices.** Unless otherwise stated herein, all notices, demands or requests required or permitted under this Agreement must be in writing and must be delivered or sent by overnight express mail, courier service, electronic mail or facsimile transmission addressed as follows:

If to the Company:

FirstEnergy Service Company
76 South Main Street
Akron, OH 44308
Attn: Victoria Nofziger
Telephone: 330-384-4684
Fax: 330-761-4281
Email: vmnofziger@firstenergycorp.com

If to the Customer:

Cleveland Municipal School District
1111 Superior Ave E
Cleveland, Ohio 44114
Attn: Gary Sautter
Telephone: 216-838-0404
Fax:
Email:

or to such other person at such other address as a Party may designate by like notice to the other Party. Notice received after the close of the business day will be deemed received on the next business day; provided that notice by facsimile transmission will be deemed to have been received by the recipient if the recipient confirms receipt telephonically or in writing.

8. **Authority to Act.** The Parties represent and warrant that they are represented by counsel in connection with this Agreement, have been fully advised in connection with the execution thereof, have taken all legal and corporate steps necessary to enter into this Agreement, and that the undersigned has the authority to enter into this Agreement, to bind the Parties to all provisions herein and to take the actions required to be performed in fulfillment of the undertakings contained herein.
9. **Non-Waiver.** The delay or failure of either party to assert or enforce in any instance strict performance of any of the terms of this Agreement or to exercise any rights hereunder conferred, shall not be construed as a waiver or relinquishment to any extent of its rights to assert or rely upon such terms or rights at any later time or on any future occasion.
10. **Entire Agreement.** This Agreement, along with related exhibits, and the Company's Rider DSE, or its equivalent, as amended from time to time by the Commission, contains the Parties' entire understanding with respect to the matters addressed herein and there are no verbal or collateral representations, undertakings, or agreements not expressly set forth herein. No change in, addition to, or waiver of the terms of this Agreement shall be binding upon any of the Parties unless the same is set forth in writing and signed by an authorized representative of each of the Parties. In the event of any conflict between Rider DSE or its equivalent and this document, the latter shall prevail.
11. **Assignment.** Customer may not assign any of its rights or obligations under this Agreement without obtaining the prior written consent of the Company, which consent will not be unreasonably withheld. No assignment of this Agreement will relieve the assigning Party of any of its obligations under this Agreement until such obligations have been assumed by the assignee and all necessary consents have been obtained.
12. **Severability.** If any portion of this Agreement is held invalid, the Parties agree that such invalidity shall not affect the validity of the remaining portions of this Agreement, and the Parties further agree to substitute for the invalid portion a valid provision that most closely approximates the economic effect and intent of the invalid provision.
13. **Governing Law.** This Agreement shall be governed by the laws and regulations of the State of Ohio, without regard to its conflict of law provisions.
14. **Execution and Counterparts.** This Agreement may be executed in multiple counterparts, which taken together shall constitute an original without the necessity of all parties signing the same page or the same documents, and may be executed by signatures to electronically or telephonically transmitted counterparts in lieu of original printed or photocopied documents. Signatures transmitted by facsimile shall be considered original signatures.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized officers or representatives as of the day and year set forth below.

The Cleveland Electric Illuminating Company_

(Company)
By: John C. Pangio

Title: V.P. Of Energy Efficiency

Date: 12-8-14

Cleveland Municipal School District_

(Customer)
By: [Signature]

Title: Deputy Chief of Capital Programs

Date: 12.02.14

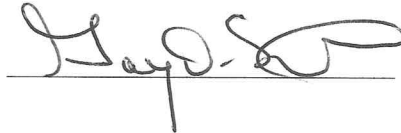
Affidavit of Cleveland Municipal School District – Exhibit A

STATE OF OHIO)
) SS:
COUNTY OF Cuyahoga)

I, Gary Sautter ,being first duly sworn in accordance with law, deposes and states as follows:

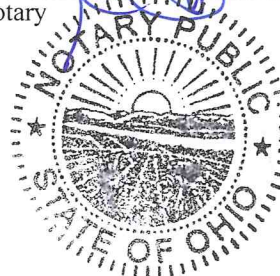
1. I am the Deputy Chief of Capital Projects of Cleveland Municipal School District (“Customer”)
As part of my duties, I oversee energy related matters for the Customer.
2. The Customer has agreed to commit certain energy efficiency projects to
The Cleveland Electric Illuminating Company (“Company”), which are the subject of the
agreement to which this affidavit is attached (“Project(s)”).
3. In exchange for making such a commitment, the Company has agreed to provide Customer with
Cash (“Incentive”). This Incentive was a critical factor in the Customer’s decision to go forward
with the Project(s) and to commit the Project(s) to the Company.
4. All information related to said Project(s) that has been submitted to the Company is true and
accurate to the best of my knowledge.

FURTHER AFFIANT SAYETH NAUGHT.



Sworn to before me and subscribed in my presence this 2nd day of Dec, 2014.

Notary



MYCHAEL C. HENDERSON
Notary Public, State of Ohio
My Commission Expires
August 18, 2016

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/22/2014 11:30:30 AM

in

Case No(s). 14-2055-EL-EEC

Summary: Application to Commit Energy Efficiency/Peak Demand Reduction Programs of The Cleveland Electric Illuminating Company and Cleveland Municipal School District electronically filed by Ms. Jennifer M. Sybyl on behalf of The Cleveland Electric Illuminating Company and Cleveland Municipal School District