

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

Case No.: 14-0046-EL-EEC

Mercantile Customer:

Stark County Area JVSD

Electric Utility:

Ohio Edison Company

Program Title or

N Wing Lighting retrofit & VFD installation on AHU 2

Description:

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 (Option 1) 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 (Option 2) will also qualify for the 60-day automatic approval so long as the exemption period does not exceed 24 months. Rider exemptions for periods of more than 24 months will be reviewed by the Commission Staff and are only approved up the issuance of a Commission order.

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 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 <u>ee-pdr@puc.state.oh.us</u>.

Section 1: Mercantile Customer Information

Name: Sta	ark (County Area JVSD					
Principal	add	ress: 2800 Richville Dr Massillon OH 44646					
Address	of fa	cility for which this energy efficiency program applies: Same					
Name and	d tel	ephone number for responses to questions: Doug Tucker 330-832-9856 X-					
Electr	icity	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 is one or more states. (Please attach documentation.)							
		Section 2: Application Information					
A) 7	The o	customer is filing this application (choose which applies):					
[Individually, without electric utility participation.					
	\boxtimes	Jointly with the electric utility.					
B) 7	The	electric utility is: Ohio Edison Company					
C) 1	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 equipment that needed to be replaced 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):
		·
		Behavioral or operational improvement.
В)	Enei	rgy 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: 149,107 kWh
	2)	If you checked the box indicating that the customer installed new equipment to replace equipment that needed to be replaced, then calculate the annual savings [(kWh used by less efficient new equipment) – (kWh used by the 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

Revised June 24, 2011

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 less efficient new equipment) – (kWh used by higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual	savings:	kWl	1

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.

Section 4: Demand Reduction/Demand Response Programs

A)	The	customer's program involves (check the one that applies):
	\boxtimes	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?
	08/	19/2013
C)		at is the peak demand reduction achieved or capable of being achieved ow calculations through which this was determined):

<u>18</u> kW

Section 5: Request for Cash Rebate Reasonable Arrangement (Option 1) or Exemption from Rider (Option 2)

Under this section, check the box that applies and fill in all blanks relating to that choice.

Note: If Option 2 is selected, the application will not qualify for the 60-day automatic approval. All applications, however, will be considered on a timely basis by the Commission.

A)	.) The customer is applying for:						
	○ Option	n 1: A cash rebate reasonable arrangement.					
	OR						
		on 2: An exemption from the energy efficiency cost recovery anism implemented by the electric utility.					
	OR						
	Comi	nitment payment					
B)	The value	of the option that the customer is seeking is:					
	Option 1:	A cash rebate reasonable arrangement, which is the lesser of (show both amounts):					
		A cash rebate of \$ 6,335					
		. (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.)					
	Option 2:	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.)					
		OR					
		A commitment payment valued at no more than \$ (Attach documentation and calculations showing how this payment amount was determined.)					

OR 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 24 month period, the customer will need to provide a future application establishing additional energy savings and the continuance of the organization's energy efficiency program.) Section 6: Cost Effectiveness The program is cost effective because it has a benefit/cost ratio greater than 1 using the (choose which applies): The calculated TRC value is: Total Resource Cost (TRC) Test. _(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 The electric utility's avoided supply costs were _____. Our program costs were _____.

The incremental measure costs were _____.

utility.

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;
 - 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.



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

Case No.: 14-0046-EL-EEC

State of Ohio:

Tamra Hurst, Affiant, being duly sworn according to law, deposes and says that:

1. I am the duly authorized representative of:

mia Gust TRIASPER

Stark County Area JVSD

[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.

Sworn and subscribed before me this 220d day of Lanuary , 2014 Month/Y

Signature of official administering oath

, ,

And Title LAURA D. HAGY
Public, State of Ohlo
My Commission Expires 45-14

My commission expires on 4-5-14



Site Address: R. G. Drage Career Center

Principal Address: 2800 Richville Dr

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	North Wing Lighting Retrofit	Replace a total of 449 - 2 ,& 4 lamp, 4 ft std T-8 fixtures with 366 - 2 lamp high eff 4 ft T-5 fixtures . Replaced 112 - 60 watt ind lamps with 112- 39 watt LED lamps in North Wing of facility.	Please reference Lighting Rebate Calc Tool	Year 2017.We would have replaced the T-8 fixtures in approx 3-5 yrs. At that point they would be at the end of their useful life.	N/A
2	VFD installation on AHU #2	Replaced a 40 HP inefficient constant volume motor with a 40 HP high eff motor and added VFD control on AHU #2 in the North Wing of the facility.	Please reference the VFD calculator for the 40 HP motor & drive installation	Approx 2018. The existing motor would have lasted another 5 years or with proper maintenance and inspections.	N/A

Mercantile Customer Program

Exhibit 1

Customer Legal Entity Name: Stark County Area JVSD

Site Address: R. G. Drage Career Center

Principal Address: 2800 Richville Dr

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

Note 1

2012 1,356,913 1,356,913 1,356,913

Average 1,356,913 1,356,913 1,356,913

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) \$ Note 2
1	North Wing Lighting Retrofit	08/19/2013	\$105,567	\$52,784	73,584	73,584	18	\$3,648	\$2,736
2	VFD installation on AHU #2	08/19/2013	\$7,198	\$3,599	75,523	75,523	-	\$6,042	\$3,599
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					-		-		
		Total	\$112,765		149,107	149,107	18	\$9,690	\$6,335

Docket No. 14-0046

Site: 2800 Richville Dr

Notes

(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.

⁽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.

Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh	Utility Avoided Cost \$/MWh	Utility Avoided Cost \$	Utility Cost \$	Cash Rebate \$	Administrator Variable Fee \$	Total Utility Cost \$	UCT
-	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
1	74	\$ 308	\$ 22,684	\$ 2,025	\$2,736	\$0	\$ 4,761	4.8
2	76	\$ 308	\$ 23,282	\$ 2,025	\$3,599	\$0	\$ 5,624	4.14

Total	149	\$ 308	45,967	4,050	\$6,335	\$ 0	10,385	4.4

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)

Stark County Area JVSD ~ R. G. Drage Career Center Docket No. 14-0046

Site: 2800 Richville Dr

Project Estimated Annual Savings Summary

Lighting					
Estimated Annual kWh Savings	73,584				
Total Change in Connected Load	18.34				

Annual Estimated Cost Savings	\$7,358.40
Annual Operating Hours	3,040
Interior Lighting Incentive @	
\$0.05/kWh (excluding retrofit CFLs, sensors, or LED exit signs)	\$3,122.55
Exterior Lighting Incentive @ \$0.05/kWh (excluding retrofit CFLs, sensors, or LED exit signs)	\$0.00
Total retrofit CFL Incentive @ \$1/screw-in CFL lamp; \$15/hard- wired CFL lamp (includes all retrofit CFLs, both interior and exterior)	\$0.00
Total retrofit LED Exit Incentive @ \$10/exit sign	\$0.00
Total Lighting Controls Incentive @ \$25/occupancy sensor and \$25/daylight sensor (includes all Lighting Controls, both interior and exterior)	\$525.00

Total Calculated Incentive	\$3,647.55
Total Fixture Quantity excluding retrofit CFLs and LED Exit Signs	563
Total Lamp Quantity for retrofit Screw-In CFLs	0
Total Lamp Quantity for retrofit Hard- Wired CFLs	0
Total Fixture Quantity for retrofit LED Exit Signs	0
Total Quantity for Occupancy Sensors	21
Total Quantity for Daylight Sensors	0

Please briefly describe how you estimated your coincidence factor (CF) and applicant equivalent full-load hours (EFLH) for facility type "Other" indicated on the Lighting Form tab Hours during the months Sept-May 7:00am-11:00pm Mon -Fri and Summer months June -Au

Demand Savings (For Internal Use Only)	21.63

Lighting Form

Lighting Inventory Form

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Lighting Form

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	Line New Construction	Building Address Floo	or Area Description	Space Description	Interior or Exterior	Predominant Space Type		Area Cooling	Pre Fixture Pre Fixture Code Pre W	latts / Pre kW/	/ Existing				Baseline kW P	ost Post Fixture Code		Past kW /		Proposed	Change in	Applicant Coin	idence Interact				Applicant Prescri	ribed Annual kill
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Ohio Edison • The Illuminating Company • Toledo Edison

Mercantile Customer Program - Custom Project Rebate Calculator

Project Name and Number:	40 HP Motor & VFD
Site Name:	RG Darage Career Center
Completed by (Name):	Doug Tucker
Date completed:	8/19/2013

Energy Conservation Measure	Annual Energy Savings kWh	Eligible Prescriptive Rebate Amount kWh * \$0.08							
40 HP VFD	75,523	6041.84							
Total Project Energy Savings kWh	75,523								
	Total Custom Prescriptive Rebate Amount \$								

Notes about this reduce calculation.
The savings were calculated based using a VFD calculator depicting constant operation
of 3040 hrs/yr vs variable operation

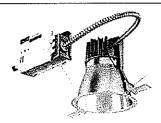
Project 13-12698-1 Date 5/10/2013 RG DRAGE TECH CTR

Submitted By JACK H DUFFY Catalog Numbe EVO R 35/10 6AR MVOLT

Notes

B1

(2) gotham'



Luminaire Type: Catalog Number (autopopulated)

> Gotham Architectural Downlighting Renovation LED Downlights

6" Evo® Open/Wallwash Reflector, Retrofit Kit

Solid-State Lighting



OPTICAL SYSTEM

- Self-flanged semi-specular, matte-diffuse or specular lower reflector Patented Bounding RayTM optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic

MECHANICAL SYSTEM

- See Mounting Frame Compatibility chart for compatible Gotham mounting
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- 1-1/2" maximum ceiling thickness

ELECTRICAL SYSTEM

Fully serviceable and upgradeable LED light engine

- 70% lumen maintenance at 60,000 hours based on IESNA LM-79-2008
- 120-277VAC, 50/60hz power supply with 0-10V dimming (10-100%); rated for 50.000-hour life
- Overload and short circuit protected

LISTINGS

Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

EXAMPLE: EVO R 35/10 6AR 120

EVO	R	35/10		6AR				1			
Series	Туре	Color temperature	Nominal tumen values	Apertu	re/Trim color	Trim ty	pe	Distribu	tion	Finish	
EVO	Ri	27/ 2700 K 30/ 3000 K 35/ 3500 K 41/ 4100 K	10 1000 lumens 14 1400 lumens 18 1800 lumens 22 2200 lumens	6AR 6PR 6WTR 6GR 6WR ²	Clear Pewter Wheat Gold White	(blank) W	Downlight Wallwash	(blank) VND3 ND3 MD3 MD3	1.0 s/mh Very narrow (0.5 s/mh) Narrow (0.6 s/mh) Medium (0.8 s/mh) Wide (1.2 s/mh)	(blank) LD LS	Semi-specular Matte diffuse Specular

MVOLT						
Voltage	Driver		Option	ns		
MVOLT 120 277 347	(blank) ⁴ ECOS2 ^{45,6} ECOS3 ^{4,5}	0-10V dimming driver. Minimum dimming level 10% Lutron® Hi-Lume® 2-wire forward-phase dimming driver. Minimum dimming level 1% Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%	SF RRL NEPP TRW'	Single fuse RELOC®-ready luminaire. Provides compatibility with Lithonia RELOC system. Access above ceiling required. Interface for Sensor Switch® nLight® network with integral power supply. Refer to <u>TN-623-01</u> . White painted flange	TRBL EL® ELR®	Black painted flange Emergency battery pack with integral test switch Emergency battery pack with remote test switch

ACCESSORIES order as separate catalog numbers (shipped separately)

CTA4-8 YK Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").

ISD BC 0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

- Consult factory for mounting frames other than Gotham.
- 2. Not available with finishes.
- Not available with wallwash trim type. 3.
- 4. Refer to TECH-240 for compatible dimmers.

- Not available with NEPP option.
- 6. 120V only.
- Not available with white reflector. 7.
- For dimensional changes, refer to TECH-140.

No



DIMENSIONAL DATA

ELECTRICAL

Project 13-12698-1 Date 5/10/2013 RG DRAGE TECH CTR

Submitted By JACK H DUFFY Catalog Number EVO R 35/10 6AR MVOLT

Notes

B1

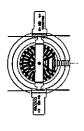
6" EV0

Open/Wallwash Reflector, Retrofit Kit

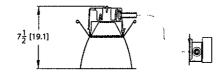
Solid-State Lighting



All dimensions are inches (centimeters) unless otherwise noted.







Aperture: 6-1/4 (15.9) Ceiling Opening: 7-1/8 (18.1) Overlap Trim: 7-3/4 (19.6)

WAT	WATTAGE CONSUMPTION MATRIX								
LUMENS	WATTAGE	LUMENS per WATT							
2200	32	67							
1800	28	66							
1400	25	63							
1000	18	61							

DETERMINING MOUNTING FRAME COMPATIBILITY

Mounting frame must be a Gotham mounting frame series GRS, GRSF, GRSH, AFV, or LGFV. If not, please contact Gotham Technical Support at 800-315-4982 for additional solutions.

Step 1 - Measure

- a. Measure the inside diameter of the aperture opening.
- Measure the available plenum depth. Ь.

Step 2 – Verify

a. If the measured mounting frame diameter matches and measured plenum depth is greater than listed in Table 1, then the mounting frame is compatible with Gotham Evo.

If the frame is not compatible, please contact Gotham Technical Support for more options.

Table 1	Inside Diameter of Mounting Frame	Minimum Plenum Depth
4* downlight/wallwash	4.87*	6.938*
6" downlight	6.63"	8.500"
	6.87"	8.000*
6" wallwash	6.63"	N/A
	6.87"	8.000"
8* downlight/wallwash	8.18*	9.125*
-	8.60*	9.125*

	Inputs
Mechanical Power Motor Output (HP)	40.00
Mechanical Power Motor Output (kW)	29.83
Electric Cost (\$/kWh)	\$ 0.080
Full Load Motor Efficiency	92.9%
VFD Efficiency	96.0%
Project Cost	\$ 7,198.00
Rebate	
Annual Run Hours	3040.00

% Speed	% Run Hours	Hours
100%	1.0%	30
90%	2.0%	61
80%	11.0%	334
70%	15.0%	456
60%	24.0%	730
50%	17.0%	517
40%	13.0%	395
30%	11.0%	334
20%	6.0%	182
10%	0.0%	-

No Control (con	stant speed)					
CV_kWh	=	97,607.2	kWh			

VFD		·						
		% Speed					% Speed	
		100	1,016.7				100	0.3
VFD_kWh	=	90	1,482.4	=	22,084.7	VFD_kW =	90	0.6 = 18.3
		80	5,726.3				80	2.9
		70	5,231.1				70	3.5
		60	5,270.8				60	4.8
		50	2,160.6				50	2.8
		40	845.9				40	1.7
		30	302.0				30	1.1
		20	48.8				20	0.4
		10	0.0				10	0.0
No Control								

Annual Cost (\$)	=	\$ 7,809				
VFD						
Annual Cost (\$)	=	\$ 1,767		kWh Savings	=	75,522.6
SBP Before Rebate	=	1.19	yrs	Annual Savings	=	\$ 6,042
SBP after Rebate	=	1.19	vrs			

Typical Load Profile					
% Load	% Run Hours				
100%	1.0%				
90%	2.0%				
80%	9.0%				
70%	17.0%				
60%	24.0%				
50%	17.0%				
40%	13.0%				
30%	11.0%				
20%	6.0%				
10%	0.0%				

Mercantile Customer Project Commitment Agreement Cash Rebate Option

THIS MERCANTILE CUSTOMER PROJECT COMMITMENT AGREEMENT ("Agreement") is made and entered into by and between Ohio Edison Company, its successors and assigns (hereinafter called the "Company") and Stark County Area JVSD, Taxpayer ID No. 34-1137288 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:

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:
 - 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 t	to the treatn	ent 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.
- 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:

- 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:
 - 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;
 - 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.
 - 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.
- 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:

Stark County Area JVSD 2800 Richville Dr SW Massillon OH 44646 Attn:Tamra Hurst Telephone:330-492-8136 Fax:330-832-9850 Email:tamra.hurst@email.sparcc.org

- 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.
- 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.

Ohio Edison Company_
(Company)
By: Jan. & My
Fitle: Y.P. Of Energy Efficiency
Date: 2 - 10 - 14
Stark County Area JVSD_ (Customer)
By: (Customer) Janua Huist
Title:TREASUREV
Date: /. 22./4

Affidavit of Stark County	Area JVSD	Exhibit _A _
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STATE OF OHIO)	
)	SS:
COUNTY OF Stark)		

- I, Tamra Hurst ,being first duly sworn in accordance with law, deposes and states as follows:
 - 1. I am the Treasurer of Stark County Area JVSD ("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 Ohio Edison 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 2

Notary

Notary Public, State of Ohlo My Commission Expires 4, 5

Tamia Gust

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/28/2014 11:23:21 AM

in

Case No(s). 14-0046-EL-EEC

Summary: Application to Commit Energy Efficiency/Peak Demand Reduction Programs of Ohio Edison Company and Stark County Area JVSD electronically filed by Ms. Jennifer M. Sybyl on behalf of Ohio Edison Company and Stark County Area JVSD