

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

Case No.: 13-0033 -EL-EEC

Mercantile Customer: City of Norwalk

Electric Utility: Ohio Edison Company

Program Title or

Lift Station VFD's

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. <u>10-834-EL-POR</u>

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 ee-pdr@puc.state.oh.us.

### **Section 1: Mercantile Customer Information**

Name:City of Norwalk Principal address:38 Whittlesey Ave. Norwalk, Ohio 44857 Address of facility for which this energy efficiency program applies:201 Plank Rd. Norwalk, OH 44857 Name and telephone number for responses to questions: Neil Wittberg: 614.949.5616 Electricity use by the customer (check the box(es) that apply):  $\square$ 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** The customer is filing this application (choose which applies): A) Individually, without electric utility participation. Jointly with the electric utility. The electric utility is: Ohio Edison Company B) 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

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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):
		<u>5/2012</u> .
		Behavioral or operational improvement.
В)	Ene	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: 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

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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: 72,285 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.

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# Section 4: Demand Reduction/Demand Response Programs

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

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## 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 custor	mer is applying for:
	Optio	on 1: A cash rebate reasonable arrangement.
	OR	
		on 2: An exemption from the energy efficiency cost recovery nanism implemented by the electric utility.
	OR	
	Com	mitment 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 \$2,625. (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.)

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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**

OR

The program is c (choose which ap	ost effective because it has a benefit/cost ratio greater than 1 using the oplies):
☐ Tot	al Resource Cost (TRC) Test. The calculated TRC value is:(Continue to Subsection 1, then skip Subsection 2)
	lity Cost Test (UCT) . The calculated UCT value is: <b>See Exhibit 3</b> (Skip Subsection 2.)
Subsection 1:	TRC Test Used (please fill in all blanks).
avoide distrib	RC value of the program is calculated by dividing the value of our d supply costs (generation capacity, energy, and any transmission or ution) by the sum of our program overhead and installation costs and cremental 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

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## 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.

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

Case No.: EL-EEC

State of Ohio:

Josh Snyder, Affiant, being duly sworn according to law, deposes and says that:

1. I am the duly authorized representative of:

City of Norwalk

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

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.

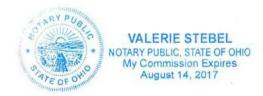
Signature of Affiant & Title

Sworn and subscribed before me this 30th day of November, 2012 Month/Year

Signature of official administering oath

<u>Josh Snyder - Director Public Works</u> Print Name and Title

My commission expires on August 14, 2017



Site Address: City of Norwalk Principal Address: 201 Plank Rd

What date would you have replaced your equipment if you had not replaced it early? Please describe the less efficient new Project Narrative description of your program including, but not limited to, Description of methodologies, protocols and practices Also, please explain briefly how you equipment that you rejected in favor of No. Project Name make, model, and year of any installed and replaced equipment: used in measuring and verifying project results determined this future replacement date. the more efficient new equipment. Data was gathered from attachment A: OE.Norwalk.LiftStation.VFDSpecs.A.pdf and input to the motors and Wastewater Treatement VFDs This project consists of two VFDs placed on water pumps drives calculator to determine the cash rebate amount. kWh savings were calculated in attachment B: OE.Norwalk.LiftStation.VFD.Calcs.B.xlsx

> Docket No. 13-0033 Site: 201 Plank Rd

Customer Legal Entity Name: City of Norwalk

2011

Site Address: City of Norwalk

Principal Address: 201 Plank Rd

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

1,082,302 1,082,302 1,082,302 1,082,302

Average 1,082,302 1,082,302 1,082,302

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	Commitment Payment \$
1	Wastewater Treatement VFDs	05/01/2012	\$8,500	\$4,250	72,285	72,285	-	\$3,500	\$2,625	
					-	-	-			
					-	-	-			
					-	-	-			
					-	-	-			
					-	-	-			
					-	-	-			
		Total	\$8,500		72,285	72,285	0	\$3,500	\$2,625	\$0

Docket No. 13-0033 Site: 201 Plank Rd

#### 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.

<sup>(1)</sup> 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 Avoid Cost \$/MWh	led	Utility Avoided Cost \$	U	tility Cost \$	Cash Rebate \$	Administrator Variable Fee \$	Total U Cos \$		UCT
	(A)	(B)		(C)		(D)	(E)	(F)	(G)	)	(H)
1	72	\$ 3	08 \$	22,284	\$	4,050	\$2,625	\$723	\$ 7	7,398	3.0

Total	72	\$ 308	22,284	4,050	\$2,625	\$723	7,398	3.0

#### 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)

City of Norwalk ~ City of Norwalk Docket No. 13-0033

Site: 201 Plank Rd



Ohio Edison • The Illuminating Company • Toledo Edison

Project Name:	City of Norwalk
Site Name:	
Completed by (Name):	Ben Aring
Date completed:	11/26/2012

#### **Variable Frequency Drive Rebate Form**

	VFD and Controlled Motor Nameplate DATA											
Motor Application	VFD Manufacturer	VFD Model Number	Unique Motor ID(s)	Motor Location	Enclosure type: TEFC or ODP	Annual Hours of Operation <sup>2</sup>	Load Factor (LF) <sup>3</sup>	Motor Model Number	Motor HP	Motor Nominal Efficiency	Total Motor Incentive <sup>1</sup> \$	
Pump	Powerflex	400 22C- D072A103	Lift Station	P-1, P-2	TEFC	5520	0.8	S4R4-460V-113	50	91.1	3,500	
								Incen	tive through 10/1	1/2011 @ \$35/hp	3,500	

<sup>(1)</sup> VFD incentives (through 10/11/2011) are calculated at a flat rate of \$35 per horsepower controlled, up to a maximum of 500 hp controlled per VFD. When a single VFD is used to control two motors in a lead/lag (standby, redundant) configuration, use only the horsepower rating of one motor to figure controlled horsepower. For instance, if a single VFD controls two 30hp motors with only one operating at a time, the incentive calculation should be based on 30 hp: 30hp x \$35/hp = \$900.

<sup>(2)</sup> For VAV fan motors, enter 2790 annual hours of operation. For HVAC pump motors, enter 5520 annual hours of operation. For all other motor usage, please estimate your annual hours of operation and attach an explanation of how you determined this value.

<sup>(3)</sup> For all motor and VFD applications, use the Load Factor (LF) default value of 0.80, unless data is available to support the use of a motor-specific LF other than 0.80. Please attach an explanation, including your analysis and/or data used, to support motor-specific LF value.

## City of Norwalk Lift Station

## Attachment B

**VFD Savings Calculation** 

_	TAG	Quantity	Motor hp	Eff	Runtime*	<b>Load Factor</b>	Usage(kWh)	Usage w/ VFD***
	400 22C-							
	D072A103	2	50	0.911	5520	0.8	361423.6663	289138.933
							Savings	72284.7

\*\*\*

VFD Usage based on a 20% reduction in total energy use. This percentage is based on typical reductions measured in similar applications. 20% is fairly conservative,

actual savings are probably higher.

#### WATER WASTEWATER INTEGRATOR DRIVE START-UP / WARRANTY REGISTRATION For approved Water Wastewater Drive Integration Warranty Registration. Fill out the form completely (failure to complete this form will invalidate any Extended Warranty), Mail Fax or Email to Rockwell Automation Technical Support (262) 512-2222 support@drives.ra,rockwell.com Attn: Jill/Jason Attachment A Equipment Designation: SR. 250 LS Pump 1 Date of Start-up: 5 / 1 / 2012 **Drive Information Customer Identification** Unit/Model/CAT: Power Flex 400 22C-DØ7ZAID3 Company City of Norwalk Serial Number: CDØ7ZAØW149802Z Address: 201 Plank Rd. Software Rev: 6.01 City: Norwalk State / Zip: OLio 44 857 Option Mod: s/n\_\_\_\_\_ Contact Person: David Ackerman Option Mod:\_\_\_\_\_ Ph. / Fax: 419-663-6758 419-663-6756 Option Mod: Certified System Integrator Information Contact Person: Telephone Number. State: Company Name Akron Oh Herduk Summit Office 330-294-0089 Sames Motor Identification NEMA design: Inverter Duty: YES MFGR: Model: 50 Vaughan Co. Inc. 54R4-460V-113 Voltage: 460 VAC 3PH F.L.A: 64.3 Base speed: 60 Hz 1770 RPM Speed range: (4:1,10:1,etc.): //A S.F.: Insulation class: 1.15 320TY Installation Checklist >>>> Refer to User's Manual and Reference Manual Electrical Checks (voltage and current readings measured under application load @ full speed if applicable) Voltage in, 3Φ: Voltage Out @ base speed Input Amos/Loaded Output Amps/Loaded Megger Reading (If Applicable) A/B T1/T2 63 483 \$\$7. NA T1-GND B/C T2/T3 ВФ 550 55 61 484 T2-GND NΑ T1/T3 486 551 51 60 NA T3-GND Input Reference Signal: (4-20ma) Other: Motor Cable Length: (Approx.) Input Reference Signal: (0-10vdc) 30 FT Software Used on Drive (check one) How were Parameters left w/Customer **DriveTools** X Printed Saved To HIM Drive Explorer: RS NetWorx / DeviceNet or ControlNet External Media (CD, Thumb Drive, etc.) N/A Other: (Explain) Application (brief description - pump, fan, mixer, top motor rpm, accel time, decel time, etc.) Lift Station pump, 180 cpm, ISsee acceltime is see deceltime minimum speed 15 Hz

Nema 4x Enclosure, 100 Amp MCP 12" clearance on all side 5

Performed By: James He, duk Date: 6/12/2013 Certification #: PF400-1004-229 Rockwell Automation

Technical Support 6400 West Enterprise Dr.

Mequon, WI 53092

Comments (environmental, air flow, clearance, fusing, etc.)

Customer Signature:



WATER WASTEWATER INTEGRATOR DRIVE START-UP / WARRANTY REGISTRATION

For approved Water Wastewater Drive Integration Warranty Registration. Fill out the form completely (failure to complete this form will invalidate any Extended Warranty), Mail Fax or Email to Rockwell Automation Technical Support (262) 512-2222 <a href="mailto:support@drives.ra.rockwell.com">support@drives.ra.rockwell.com</a> Attn: Jill/Jason

Equipment Design	nation: SR 250	LS Pump	ا م کا	Date of S	art-up	:5	1117	5013			
Customer Identific	cation		j	Drive Info	rmatic	<u>en</u>					
Company City	of Norwalk		ı	Jnit / Mod	el / CA	.T: \	Power fle	× 400	52C-D0	TZAIOZ	
Address: 201							072 AO W				
City: Norwal				Software I	_				***************************************		
State / Zip: Oh:								/n	***		
Contact Person:		<b>∿</b> a∕									
Ph. / Fax: 419-663							\$				
Certified	System Integrator	Informatio	n								
Company Name	: Lice Solution	City: Akr	6 <b>n</b>	State :	2 20	ntact i	Person:ر د لکریا،	rk	Telephone N		
Motor Ide	ntification										
MFGR:	. Co Inc.	Model: SYRY-	460-113	NEMA (	-		HP: So		Inverter Duty:	YES NO	
Voltage: 460 U	AC 3PH	F.L.A: 6	4.3	Freq:	60H2		Base spee	1170 KYM			
S.F.: 1.1	5	Insulation	class: F	Frame:	20T	<b>y</b>	Speed ran	ge: (4:1,	10:1,etc.): N	<u> </u>	
	n Checklist >>>> al Checks (vo	Itage and c		gs measu	red ur	nder a			full speed if a	-	
A/B 485	T1/T2 550		AФ 57		ΑФ	C 8		T1-GN		ppicable)	
B/C 489	T2/T3 547		BΦ 49		ВФ	63	3	T2-GN	. 1		
C/A 492	T1/T3 548		CΦ 52		СФ	ေ	)	T3-GNI			
Input Reference S Input Reference S		, 0	ther:			M	otor Cable L			<u> </u>	
Software L  Application L; ft S  Comments	Jsed on Drive (che DriveTools Drive Explorer: RS NetWorx / Devic I/A	eNet or Cor  - pump, fan  1750 R  15 Hz  r flow, clear	n, mixer, top m PM , 15 se ance, fusing, e	etc.)	accel ti	× ime, d	Printed Saved Externs Other: ( decel time, e	To HIM al Media (Explain) tc.)	(CD, Thumb D	rive, etc.)	
Performed	By: James Ha	jark					PF400-102			mation port rprise Dr.	

	320TY	50		P	3/60		1770	4	60	
AMPS	рату	AMB °	c/		LHEHE		* *4*****	\ .		
64.3	*	40/F	,	1.15	В		G	S	SUB	
E/S	ROTO	R		TEST S.O.		TEST		STATOR RES.@2		
890070	418140036	re	-				.1	.49		
			PERFO	RMANCE						
LOAD	НР		AMPERES	RPM	1	INPUT KW	POW	% POWER FACTOR		
NO LOAD	0	2	24.3	1800	0	1.81	9.31		0	
1/4	12.5	2	29.7	179	3 1	1.3	47.5		82.	
2/4	25.0	3	88.7	178	6 2	20.9	67.9	67.9		
3/4	37.5	37.5 50		177	8 3	80.8	76.2		90.	
4/4	50.0	(	54.3	177	1770 40.		.9 79.8		91.	
5/4	62.5		79.1	176	1 !	51.4	81.6		90.	
			SPEEL	TORQUE						
			RPM		DRQUE LL LOAD		ORQUE -FT.	Al	MPERES	
LOCKED ROTOR			0	1	.74		258		362	
PULL UP			925		.55		230		327	
BREAKDOWN			1671	2	245	1 :	363		208	
FULL LOAD			1770	1	.00		148		64.3	

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA

\*15 MIN IN AIR - CONT IN WATER



DR. BY D. M. BYRD
CK. BY T. S. WILLIAMS
APP. BY D. M. BYRD
DATE 07/21/04

A-C MOTOR
PERFORMANCE W00883-C-J015
DATA ISSUE DATE 07/21/04

# 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 City of Norwalk, Taxpayer ID No. 34-6400994 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/or kW reductions resulting from said projects for purposes of complying with the Statute. By committing the Customer Energy Project(s), Customer further acknowledges and agrees that the Company shall take ownership of the energy efficiency capacity rights associated with said Project(s) and 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
- 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:

- 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:

City of Norwalk 201 Plank Rd Norwalk, OH 44857 Attn:Josh Snyder Telephone:419.663.6735 Fax: Email:pw-eng@accnorwalk.com 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.

Ohlo Edison Company (Company)
The state of the s
Title: X.P. Of Energy Efficiency
Date: /2-10-12
City of Norwalk
By: Joshun (sayl)
By: Custohier) Joshun Rsall Title: Public Works Director
Date: 10:4-12-

Affidavit of City of Norwalk - Exhibit \_A \_

STATE OF OHIO ) SS:

COUNTY OF Huron 1

1. Josh Snyder , being first duly sworn in accordance with law, deposes and states as follows:

- I am the Director of Public works of City of Nowalk ("Customer") As part of my duties, I
  oversee energy related matters for the Customer.
- 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  $30^{+1}$  day of  $\underline{\text{Nov.}}$ , 2012

Notary

The or other

VALERIE STEBEL NOTARY PUBLIC, STATE OF OHIO My Commission Expires August 14, 2017 This foregoing document was electronically filed with the Public Utilities

**Commission of Ohio Docketing Information System on** 

2/12/2013 11:19:55 AM

in

Case No(s). 13-0033-EL-EEC

Summary: Application electronically filed by Ms. Lindsey E Sacher on behalf of Ohio Edison Company and City of Norwalk