

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

Case No.: 13 -0060-EL-EEC

Mercantile Customer: Hans Rothenbuhler & Son, Inc.

Electric Utility: The Cleveland Electric Illuminating Company

Program Title or Transformer and lighting upgrades

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:Hans Rothenbuhler & Son, Inc.

Principal address:15815 Nauvoo Rd, Middlefield Ohio 44062

Address of facility for which this energy efficiency program applies:15815 Nauvoo Rd Middlefield, Ohio

Name and telephone number for responses to questions: Gary Schoenwald 1-800-327-9477

7	7		
	Elec	tricity	y use by the customer (check the box(es) that apply):
		\boxtimes	The customer uses more than seven hundred thousand kilowatt hours pe 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.
		\boxtimes	Jointly with the electric utility.
	В)	The	electric utility is: The Cleveland Electric Illuminating Company
	C)	The	customer is offering to commit (check any that apply):
		\boxtimes	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.)
		\boxtimes	Both the energy savings and the capacity savings from the customer's energy efficiency program. (Complete all sections of the Application.)

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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.
B)	Ene	rgy savings achieved/to be achieved by the energy efficiency program:
,		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: 317,838 kWh
		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: ____ 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.

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.
В)	On	what date did the customer initiate its demand reduction program?
		
C)		at is the peak demand reduction achieved or capable of being achieved we calculations through which this was determined):

<u>48</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 cust	omer is applying for:
	□ Ор	tion 1: A cash rebate reasonable arrangement.
	OR	
	_	tion 2: An exemption from the energy efficiency cost recovery chanism implemented by the electric utility.
	OR	
	Con	mmitment payment
B)	The valu	e 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 \$ (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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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 cos (choose which appl	t effective because it has a benefit/cost ratio greater than 1 using the lies):
	Resource Cost (TRC) Test. The calculated TRC value is: (Continue to Subsection 1, then skip Subsection 2)
	y Cost Test (UCT) . The calculated UCT value is: See Exhibit 3 (Skip bsection 2.)
Subsection 1: T	RC Test Used (please fill in all blanks).
avoided distribut	value of the program is calculated by dividing the value of our supply costs (generation capacity, energy, and any transmission or ion) by the sum of our program overhead and installation costs and emental 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;
 - 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,
 - 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.: 13 -0060-EL-EEC

State of Ohio:

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

1. I am the duly authorized representative of:

Hans Rothenbuhler & Son, Inc.

[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.

Signature of Affiaht & Title

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

Signature of official administering oath

Terri A. Stephens - Nufary Print Name and Title

My commission expires on April 7, 2013



TERRI A. STEPHENS Notary Public, State of Ohio My Commission Expires April 7, 2013 Recorded in Trumbull County Customer Legal Entity Name: Middlefield Cheese House

Site Address: Hans Rothenbuhler & Son, Inc.
Principal Address: 15815 Nauvoo Rd

What date would you have replaced your

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	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	Lighting upgrade	Multiple lighting fixtures/bubls removed and new energy efficient fixtures/bulbs installed. (see attached lighting calculator)	See Excel spreadsheet titled HansRothenbuhlerandSons_MiddlefieldCheese_P1_LightingCalculator	Estimated replacement of old fixtures/bulbs 2017. Early replacement performed for reduced maintenance and energy saving exemption.	N/A
2	Transformer upgrade	Purchase New Hi-Efficient Transformer and install primary metering.	See Excel spreadsheet titled HansRothenbuhlerandSons_MiddlefieldCheese_P1summary_P2engineeringstudy	The existing transformer would have a estimated replacement date of 2022. The transformer was in working condition and we purchased a new meter to go with primary metering.	N/A

Docket No. 13-0060

Site: 15815 Nauvoo Rd Rev (2.1.2012)

Customer Legal Entity Name: Middlefield Cheese House

Site: Hans Rothenbuhler & Son, Inc.

Principal Address: 15815 Nauvoo Rd

	Unadjusted Usage, kwh Weath (A)	er Adjusted Usage, kwh (B)	Weather Adjusted Usage with Energy Efficiency Addbacks, kwh (C)	Note 1
2011	8,958,723	8,958,723	8,991,330)
2010	8,687,173	8,687,173	8,687,173	;
2009	7,828,442	7,828,442	7,828,442	<u>!</u>
Average	8,491,446	8,491,446	8,502,315	_

Project Numbe	er	Project Name	In-Service Date	Project Cost \$	KWh Saved/Year Counting towards Utility compliance	KWh Saved/Year (D) eligible for incentive	Utility Peak Demand Reduction Contribution, KW	Payment \$
1	Lighting upgrade		08/22/2012	\$125,052	188,474	188,474	28	
2	Transformer upgrade		10/01/2011	\$115,970	129,364	129,364	20	
					-	-	-	
					-	-	-	
						-	-	
					-	-	-	
					-		-	
				Tota	317,838	317,838	48	\$0

Savings as percent of 3.7% Note 2 Commitment

= Total (D) divided by

Average (C)

Customer Eligible Exemption Period: 46 Month(s) Note 3

Site:

Docket No.

13-0060

15815 Nauvoo Rd

(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) Savings as a percent of usage is equal to the of total project savings (D) divided by the 3 year average Weather Adjusted Usage with Energy Efficiency Addbacks (C).
- (3) Customer exemption determined by savings percentage in relation to energy efficiency schedule as set forth in O.R.C. 4928.66(A)(1)(a).
- (4) The exemption period reflects the maximum potential exemption period. NOTE: The FirstEnergy Utilities cannot guarantee the length of the exemption period that will ultimately be approved by the Commission.

Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh	Utility Avoid Cost \$/MWh	ed Ut	tility Avoided Cost \$	U	tility Cost \$	Cash Rebate	Administrator Variable Fee \$	To	otal Utility Cost \$	UCT
	(A)	(B)		(C)		(D)	(E)	(F)		(G)	(H)
1	188	\$ 30	8 \$	58,103	\$	2,025	\$0	\$1,885	\$	3,910	14.9
2	129	\$ 30	8 \$	39,880	\$	2,025	\$0	\$1,294	\$	3,319	12.02

Total	318	\$ 308	97,983	4,050	\$0	\$3,178	7,228	13.6

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)

Middlefield Cheese House ~ Hans Rothenbuhler & Son, Inc.

Docket No. 13-0060

Site: 15815 Nauvoo Rd

Lighting Inventory Form

Special Section Conference Confer

	Facility Name: Name:	For existing a proposed commit, choses OCC for Coccupany Sareac, DAY for photoseness. H.4.o for bit-leve The total of Column S, the quantities of CFLs and exit signs in Column M, and the quantities of sensors in C	
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						SIC INFORMATION			PRE	INSTALLATION				BASELINE	NEW CONSTRUCTION)				STALLATION							Calculations			
Construction Retrofit	Building Address	E Floor .	Area Description	Space Description	Interior or Easter Fixture	or Predominant Space Type	Exterior Lighting Description (Exterior Lighting Only)	Area Cooling	Pre Fixture Pre Fixture Code		Pre kW / Space	Control Sens	F49	e.g. Square Feet	Lighting Power Density (Wisnit)	/ Space	Post Post Fixture Code	Post Wattel Fixture	Past kW/ Space Oca	Are Proposes upancy Control	Proposed Sensor C	Change in	Applicant	Coincidence Factor	Factor Factor	Controls Con	Poet Demand setrois Savings	Applicant P	Prescribed Annual kWhit Equivalent Saved
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Project Estimated Annual Savings Summary

Lighting	ı
Estimated Annual kWh Savings	188,474
Total Change in Connected Load	27.85
Annual Estimated Cost Savings	\$18,847.40
Annual Operating Hours	6,529
Interior Lighting Incentive @ \$0.05/kWh (excluding retrofit CFLs, sensors, or LED exit signs)	\$9,241.05
Exterior Lighting Incentive @ \$0.05/kWh (excluding retrofit CFLs, sensors, or LED exit signs)	\$182.65
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)	\$0.00
Total Calculated Incentive	\$9,423.70
Total Fixture Quantity excluding retrofit CFLs and LED Exit Signs Total Lamp Quantity for retrofit Screw-In CFLs	354 0

Total Lamp Quantity for retrofit Hard-Wired CFLs	0
Total Fixture Quantity for retrofit LED Exit Signs	0
Total Quantity for Occupancy Sensors	0
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

Demand Savings (For Internal Use	
Only)	,

30.30

Metheny Inc Steve Metheny 1-440-477-4510

Summary

Hans Rothenbuhler & Son, Inc	. <u></u>	·				
Project	Lighting Upg	rade				
Project Number	1	1 Calculations from Lighting Calculator				
In Service Date	11/1/2012					
Project Cost	\$125,052.00	Pre KW (old)	48.25			
		Hours x	6570			
		Pre KWh (old)	317,003			
		Pre KW (old)	48			
		Reduced KW (-)	28			
		Post KW (new)	20			
		Pre KWh (old)	317,003			
		Reduced KWh (-)	188,474			
		Post KWh (new)	128,529			
Project	Purchase Hig	h Efficient Transform	ier			
Project Number	2					
In Service Date	11/1/2011					
Project Cost	\$115,970.00					
Annual KWh	8,958,723	Annual KWh	KW	Base		
KW	1,337.00	8,958,723 ÷	1337 (=)	6701		
			Old			
			Transformer	Old KWh		Old KW
Old Transformer	1500 KVA	Annual KWh	Losses	Losses	Base	Losses
Losses	2%	8,958,723 x	2% (=)) 179,174 ÷	6701 (=)	27
New Transformer	2500 KVA					
		2012	New	New		
		Annual	Transformer	KWh		New KW
Losses	0.556%	KWh	Losses	Losses		Losses
		8,958,723 x	0.556% (=)	49,810 ÷	6701 (=)	7
				Reduced		Reduced
		Losses		KWh		KW
		179,174 (-)	49,810 (=)	129,364) 0 (=)	20
			Reduced		New	Reduced

New KWh

128,529 (=)

49,810 (=)

178,339 (=)

KWh

188,474

129,364

317,838

Old KW

48 (-)

27 (-)

75 (-)

 $\mathbf{K}\mathbf{W}$

20 (=)

7 (=)

27 (=)

 $\mathbf{K}\mathbf{W}$

28

20

48

Old KWh

317,003 (-)

179,174 (-)

496,177 (-)

Lighting KWh Reduced

Total Reduced KWh

Transformer KWh Reduced

Metheny Inc Steve Metheny 1-440-477-4510

Hans Rothenbuhler & Son, Inc.____

Project Lighting Upgrade

Project Number

In Service Date 10/15/2012 **Project Cost** \$ 125,052.00

Calculations from Lighting Calculator

	48.25
X	6570
	317,003
	X

Pre KW (old)		48
Reduced KW	(-)	28
Post KW (new)		20

Pre KWh (old)	317,003
Reduced KWh (-)	188,474
Post KWh (new)	128,529

Hans Rothenbuhler & Son, Inc.____

Project Purchase High Efficient Transformer

Project Number 2

 In Service Date
 11/1/2011

 Project Cost
 \$115,970

2012 Annual KWh 8,958,723 2012 KW 1,337.00

Old Transformer 1500 KVA

Losses 2% (These losses were provided by First Energy as a system average for this type of transformer)

New Transformer 2500 KVA

Losses 0.56% This loss is estimated based on the Sunbelt Transformer Test Report. Actual efficience is between 75% and 50%.

Annual KWh KW Base 8,958,723 ÷ 1,337 (=) 6701

Old

 Transformer
 Old KWh
 Old KW

 Annual KWh
 Losses
 Losses
 Base
 Losses

 8,958,723 x
 2%
 (=)
 179,174 ÷
 6701 (=)
 27

New

 2012 Annual
 Transformer
 New KWh
 New KW

 KWh
 Losses
 Losses
 Losses

 8,958,723
 x
 0.56%
 (=)
 49,810 ÷
 6701 (=)
 7

 Old KWh
 New KWh
 Reduced
 Reduced

 Losses
 Losses
 KWh
 KW

 179,174
 (-)
 49,810
 (=)
 129,364
 20

99.39% Sunbelt Transformer Test Report

99.48% Sunbelt Transformer Test Report

99.44% Average

0.56% Losses



Certified Transformer Test Report

Order: **Product Number:**

Requisition Num:

Purcharser Order:

Purcharser: 3 Fases, 60 Hz

Coolant: OIL Phase Polarity:

SUBTRACTIVE

Winding High Voltage

KVA

Winding Low Voltage 2500 KVA BIL:

30 k٧

2500

Connection:

Volts

Connection:

Wve

13200 TAPS: 1

Volts 13860

Delta 2 13530

5 12540 Nominal Pos

Losses, Impedance and Regulation corrected to

85

95

12870

kVA

2461.87 W 16156.84 W 5.68

480

13200

°C and are based on wattmeter measurements unless otherwise stated.

The resistance for 3 phase transformers is the sum of 3 phases in series divided by 2

Resistance

0.304

%Exc

%Exc

2500 No load

%R

9

Test Date

(ohms, 30°C) LV

4

No load

Amps

0.153

Load

%lmp

13200 to

%X

X/R

нν Serial

нν

kV

Loss 85°C

Loss

7/12/2011

BIL

5E-04

* Total Losses: 18618.71 Watts 85°C

5.7

LV Full wave

* For main coolant

0.153

2461.87 W

16156.84 W

5.682

Regulation (P.F)

Winding

H.V.

L.V.

100%

5.32 -6.18

Serial:

0.8045

90% 3.154

85% 3.619

Guarantees Max:

80% 3.986

75% 4.288

Induced Potencial Test:

Tempeture rise calculated from basic design data wich has been verified by test results of similar transformers

Insulation Test

Applied Potential Test:

Test Volts Rated Applied Volts 13200

480

34 KV 10 KV

Duration of test 60 Secs 60 Secs.

Two times: Routing Impulse Test: HV Reduced full-wave LV Reduced full-wave

960 volts at 240 Hz for 7200 cycles 1.2 x 50 µs waves 47.5 kV HV Full wave

15 kV

PCB at the time of manufacture

95 kV 30 kV

		Radio Test Re	Results Load			Load H		
						(Watts)	%Z	(ohm)
	Тар	Phase A	Phase B	Phase C	Calculated			
Serial:	& VG_SYS_CLYF							
No. 1	13860	49.9	49.9	49.9	50			
No. 2	13530	48.7	48.7	48.7	48.778			
No. 3	13200	47.6	47.6	47.6	47.667	16156.8440 W	5.68	0.304
No. 4	12870	46.4	46.4	46.4	46.444			
No. 5	12540	45.2	45.2	45.2	45.222			

Dielectric

51.4 Kv

ilisulation Fower Factor	/6 COFFECIEU II	3 20 C			willuling capacitance (Ficulariaus)		iaus j
Serial:	СН	CL	CHL		СН	CL	CHL
	0.24	0.15	0.39		2314	6223	7518
Efficiency	125%	100%	75%	50%	25%	(% of Full Load)	

99.45 99.12 99.26 99.39 99.48 Liquid testing This unit above contained less than 1 ppm

Presure Test Results:

Serial: PSI Duration 4 Hrs

Forma: 10.9-C

Serial

Here by verify this is a true report based on factory tests made in accordance with tha latest ANSI C57 test and that each transformer withstood the insulation test

Power Factor

0.036

Date: 07/12/2011 Approved:

Mercantile Customer Project Commitment Agreement Exemption 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 Hans Rothenbuhler & Son, Inc., 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 annual 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 and consistent with the Statute, desires to pursue exemption from paying charges included in the Company's then current cost recovery mechanism (hereinafter, "Rider DSE") as approved by the Public Utilities Commission of Ohio ("Commission") for recovery of the DSE2 costs associated with the Company Plan; and is committing the Customer Energy Project(s) as a result of such exemption.

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 an exemption; and

WHEREAS, in consideration of, and upon receipt of, said exemption, Customer has consented to committing the Customer Energy Project(s) to the Company and complying with all other terms and conditions set forth herein, including without limitation, the submission of an annual report on the energy savings and/or peak-demand reductions achieved by the Customer Energy Project(s).

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/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 applicable, "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 exemption benefits discussed in Article 3 below; and (ii) will not affect any of Customer's other requirements or obligations, including without limitation any reporting requirements, as set forth herein.
- 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 a 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" 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 exemption from paying the DSE2 charge of the Company's Rider DSE.

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

- A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results.
- 3. Customer Exemption and Annual Report. Upon Commission approval of the request for exemption, the Company will exempt Customer from paying any Rider DSE charges consistent with any Commission directives as set forth in the Commission's Finding and Order approving the Joint Application. Such exempt status shall apply to those accounts identified by Customer that pertain to those Customer sites with one or more Customer Energy Project(s) approved for integration into the Company Plan by the Commission in the Joint Application.
 - a. For purposes of this Agreement, a "site" shall be a single location with one or more facilities. As examples only, a site includes an industrial plant, a hospital complex or a university located on one or more parcels of land, provided that said parcels are contiguous.
 - b. For purposes of this Agreement, an "account" shall be as defined by the Company through its normal business practices. Any account identified by Customer shall be eligible for exemption, provided that said account pertains to a specific site with at least one Customer Energy Project that qualifies Customer for exemption from paying Rider DSE charges.
 - c. Any new accounts created at a site on which there is already an approved Customer Energy Project shall, at the option of the Customer, be included within the exemption granted under said project, and shall be included for purposes of calculating future eligibility for exemption under the project. Any such election shall become effective in the first billing cycle after March 15th following identification of said account in the annual report required under Section 3(d)(iii) below.
 - d. Customer acknowledges and agrees that if it desires to pursue such exempt status, as evidenced in the Joint Application, Customer is obligated to provide to the Company an annual report on the energy savings and peak-demand reductions achieved by the Customer Energy Project(s) on a calendar year basis. Company shall provide Customer with such information as it may require, that is in Company's possession, for the purposes of preparing such report. Company shall provide a template for Customer to use in preparing the annual report and shall make available a designated Company representative to answer questions.
 - Said report shall be submitted annually on or before January 31 of each year after Commission approval of the Joint Application.
 - Said report shall provide all information required under the Rules, and where the requirements of the Rules conflict with a requirement under this Agreement or the Joint Application, the requirements of the Rules shall control.
 - iii. Said report shall, at a minimum, include the following information for each Customer Energy Project that has been approved by the Commission:
 - A demonstration that the energy savings and peak-demand reductions associated with the Customer Energy Project(s) meet the total resource cost test or that the Company's avoided cost exceeds the cost to the Company for the Customer's program;
 - 2. A statement distinguishing programs implemented before and after January 1 of the current year;

- A quantification of the energy savings or peak-demand reductions for programs initiated prior to 2009 in the baseline period;
- A recognition that the Company's baselines have been increased by the amount of mercantile customer energy savings and demand reductions;
- 5. A listing and description of the Customer Energy Projects that have been implemented, which provides the detail required by the Rules;
- An accounting of expenditures made by the mercantile customer for each program and its component energy savings and peak-demand reduction attributes; and
- A timeline showing when each Customer Energy Project went into effect and when the energy savings and peak-demand reductions occurred.
- Any other information reasonably necessary for the Company to (i) verify Customer's continued eligibility for exemption from paying Rider charges; and (ii) report in the Company's annual status report to the Commission the EE&PDR results related to each Customer Energy Project.
- e. Customer's exemption shall automatically terminate:
 - i. At the end of the exemption period as determined by the Commission
 - ii. Upon order of the Commission or pursuant to any Commission rule;
 - iii. If Customer fails to comply with the terms and conditions set forth in the Company's then current Rider DSE, or its equivalent, as amended from time to time by the Commission, within a reasonable period of time after receipt of written notice of such non-compliance;
 - iv. If it is discovered that Customer knowingly falsified any documents provided to the Company or the Commission in connection with this Agreement or the Joint Application. In such an instance, Company reserves the right to recover any exempted rider charges from the date of approval of the Joint Application through the date said exemption is terminated; or
 - v. If Customer fails to submit the annual report required in (d) above. In such an instance, Company reserves the right to recover any exempted rider charges from the date of approval of the Joint Application through the date said exemption is terminated. It is expressly agreed that this provision shall not apply should said report contain errors, provided that the submission of said report is made in good faith. It is further agreed that the Company will provide written notice of the date on which said report is due at least thirty (30) days prior thereto.
- f. Company reserves the right to recover from Customer any Rider DSE charges incurred by Customer after the date Customer's exemption terminates.
- 3. Termination of Agreement. This Agreement shall automatically terminate:
 - a. If the Commission fails to approve this Agreement through the Joint Application;

- 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 exemption, 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.

Customer acknowledges that if a Customer Project is withdrawn pursuant to Paragraph 1(b) of this Agreement, the exemption or a portion of such exemption may be affected. Should Customer elect to withdraw a project pursuant to Paragraph 1(b), Customer shall provide Company with reasonable assistance in preparing any documentation that may be required by the Commission and, upon reasonable request, shall provide documentation supporting the necessity to withdraw such project.

- 4. 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.
- 5. Taxes. Customer shall be responsible for all tax consequences (if any) arising from the application of the exemption.
- 6. 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:

Hans Rothenbuhler & Son, Inc. 15815 Nauvoo Rd Middlefield, Ohio 44062 Attn:Gary Schoenwald Telephone:1-800-327-9477

Fax:

Email:garys@middlefieldcheese.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.

- 7. 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.
- 8. 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.
- 9. 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.
- 10. 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.
- 11. 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.

- 12. 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.
- 13. 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: Jall (Carga
Title: VP of Energy Efficiency
Date: 12-12-12
(Customer)
By: Change
Title: COB- Autonian
Date: 11 7.3 . 2

Affidavit of Customer Legal Name - Exhibit A

STATE OF OHIO

SS:

COUNTY OF Grange)

- I, Gary Schoenwald, being first duly sworn in accordance with law, deposes and states as follows:
 - 1. I am the Title of Hans Rothenbuhler & Son, Inc. ("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 a Rider Exemption ("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 20th day of Nov. 2012.

Notary

Notary Public, State of Ohio My Commission Expires April 7, 2013 Recorded in Trumbull County

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

10/28/2013 1:57:14 PM

in

Case No(s). 13-0060-EL-EEC

Summary: Application to Commit Energy Efficiency/Peak Demand Reduction Programs of The Cleveland Electric Illuminating Company and Hans Rothenbuhler & Sons, Inc. electronically filed by Ms. Jennifer M. Sybyl on behalf of The Cleveland Electric Illuminating Company and Hans Rothenbuhler & Sons, Inc.