Ohio | Public Utilities Commission

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

Case No.: 20-1553-EL-EEC

Mercantile Customer:	George F. Eyde Family LLC
Electric Utility:	The Toledo Edison Company
Program Title or Description:	Additional Energy Efficiency Upgrades at Tower on Maumee (220 N. Saint Clair St)

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

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

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

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

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

Section 1: Mercantile Customer Information

Name: George F. Eyde Family LLC

Principal address: 300 S. Washington Square, Suite 400, Lansing, MI 48933

Address of facility for which this energy efficiency program applies: 220 N. Saint Clair St., Toledo, OH 43604

Name and telephone number for responses to questions: Andrew Nagy, Director of Operations, Parker Energy Solutions, (419) 973-6503

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

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

Section 2: Application Information

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

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

B) The electric utility is: The Toledo Edison Company

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

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

Section 3: Energy Efficiency Programs

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

☐ Early replacement of fully functioning equipment with new equipment. (Provide the date on which the customer replaced fully functioning equipment, and the date on which the customer would have replaced such equipment if it had not been replaced early. Please include a brief explanation for how the customer determined this future replacement date (or, if not known, please explain why this is not known)). **If Checked, Please see Exhibit 1 and Exhibit 2**

☐ Installation of new equipment to replace failed equipment which has no useful life remaining. The customer installed new equipment on the following date(s): _____.

☒ Installation of new equipment for new construction or facility expansion. The customer installed new equipment on the following date(s):

March 2017 - present.

☐ Behavioral or operational improvement.

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

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

Annual savings: _____ kWh

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

Annual savings: _____ kWh

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

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

Annual savings: 74,602 kWh

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

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

Annual savings: _____ kWh

Section 4: Demand Reduction/Demand Response Programs

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

☐ This project does not include peak demand reduction savings.

☐ Coincident peak-demand savings from the customer's energy efficiency program.

☐ Actual peak-demand reduction. (Attach a description and documentation of the peak-demand reduction.)

☐ Potential peak-demand reduction (check the one that applies):

☐ The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a tariff of a regional transmission organization (RTO) approved by the Federal Energy Regulatory Commission.

☐ The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a program that is equivalent to an RTO program, which has been approved by the Public Utilities Commission of Ohio.

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

_____

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

_____ kW

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

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

A) The customer is applying for:

☒ A cash rebate reasonable arrangement.

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

☐ Commitment payment

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

A cash rebate reasonable arrangement.

☒ A cash rebate of $ 7,682. (Rebate shall not exceed 50% project cost. Attach documentation showing the methodology used to determine the cash rebate value and calculations showing how this payment amount was determined.)

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

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

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

customer will need to complete, and file within this application, the Historical Mercantile Annual Report Template to verify the projects energy savings are persistent.

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

Section 6: Cost Effectiveness

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

☐ Total Resource Cost (TRC) Test. The calculated TRC value is: _____(Continue to Subsection 1, then skip Subsection 2)

☒ Utility Cost Test (UCT) . The calculated UCT value is: **See Exhibit 3** (Skip to Subsection 2.)

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

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

The electric utility's avoided supply costs were _____.

Our program costs were _____.

The incremental measure costs were _____.

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

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

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

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

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

Section 7: Additional Information

Please attach the following supporting documentation to this application:

- Narrative description of the program including, but not limited to, make, model, and year of any installed and replaced equipment.
- A copy of the formal declaration or agreement that commits the program or measure to the electric utility, including:
  1) any confidentiality requirements associated with the agreement;
  2) a description of any consequences of noncompliance with the terms of the commitment;
  3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;
  4) permission by the customer to the electric utility and Commission staff and consultants to measure and verify energy savings and/or peak-demand reductions resulting from your program; and,
  5) a commitment by the customer to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.
- A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results. Additionally, identify and explain all deviations from any program measurement and verification guidelines that may be published by the Commission.

Ohio | Public Utilities Commission

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

Case No.: 20-1553-EL-EEC

State of Ohio :

Nathaniel Eyde, Affiant, being duly sworn according to law, deposes and says that:

1. I am the duly authorized representative of:

   George F. Eyde Family LLC
   [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 Affiant & Title

Sworn and subscribed before me this 29 day of September, 2020 Month/Year

Signature of official administering oath

Jason Goldie, Notary
Print Name and Title

My commission expires on August 30, 2022

JASON GOLDIE
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF CLINTON
My Commission Expires August 30, 2022
Acting in the County of Ingham

Exhibit 1

Customer Legal Entity Name: George F. Eyde Family LLC

Site Address: Eyde Tower on Maumee
Principal Address: 220 N. Saint Clair St.

Project No.	Project Name	Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment:	Description of methodologies, protocols and practices used in measuring and verifying project results	What date would you have replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date.	Please describe the less efficient new equipment that you rejected in favor of the more efficient new equipment.
1	Energy Star Appliances	Each of the 108 apartments on floors 18-28 has an Energy Star refrigerator and clothes washer	Used FE Ohio Appliance Calculator to determine prescriptive savings	N/A	Non-Energy Star refrigerator and clothes washer
2	Energy Star Dishwasher	Each of the 108 apartments on floors 18-28 has an Energy Star dishwasher	Dishwasher savings are based on 2016 PA TRM Section 2.4.7 (Energy Star Dishwashers) Table 2-90 with electric water heating Deemed savings are 60 kwh/yr and 0.00667 kWp/yr per dishwasher. Total savings are 60 kwh/yr * 108 apartments = 6,480 kwh/yr	N/A	Non-Energy Star dishwasher
3	Low-flow Showerheads (1.5 gpm)	Each of the 108 apartments on floors 18-28 has a 1.5 gpm showerhead	Low-flow showerhead savings with 100% electric hot water are based on 2016 PA TRM Section 2.3.9 (Low Flow Showerheads) Deemed savings for multi-family, electric, 1.5 gpm are 336.9 kwh/yr and 0.0270 kWp/yr per apartment. Total savings are 336.9 kwh/yr * 108 apartments = 36,385 kwh/yr	N/A	2.0 gpm showerhead

Exhibit 2

Customer Legal Entity Name: George F. Eyde Family LLC
Site Address: Eyde Tower on Maumee
Principal Address: 220 N. Saint Clair St.

	Unadjusted Usage, kwh (A)	Weather Adjusted Usage, kwh (B)	Weather Adjusted Usage with Energy Efficiency Addbacks, kwh (c) *Note 1*
2019	3,984,300	3,984,300	3,984,300
2018	3,817,800	3,817,800	3,817,800
Average	**3,901,050**	**3,901,050**	**3,901,050**

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	Energy Star Appliances	01/15/2018	$216,000	$108,000	31,737	31,737	6	$8,100	$6,075	
2	Energy Star Dishwasher	01/15/2018	$30,000	$15,000	6,480	6,480	-	$324	$243	
3	Low-flow Showerheads (1.5 gpm)	01/15/2018	$25,000	$12,500	36,385	36,385	3	$1,819	$1,364	
					-	-	-			
					-	-	-			
					-	-	-			
					-	-	-			
		Total	**$271,000**		**74,602**	**74,602**	**9**	**$10,243**	**$7,682**	**$0**

Docket No. 20-1553
Site: 220 N. Saint Clair St.

Notes
(1) Customer's usage is adjusted to account for the effects of the energy efficiency programs included in this application. When applicable, such adjustments are prorated to the in-service date to account for partial year savings.
(2) The eligible rebate amount is based upon 75% of the rebates offered by the FirstEnergy Commercial and Industrial Energy Efficiency programs, not to exceed the lesser of 50% of the project cost or $250,000 per project. Combined Heat & Power (CHP) projects are not subject to the $250,000 project rebate cap.

Exhibit 3

UCT = Utility Avoided Costs / Utility Costs

Project	Utility Avoided Cost $ (A)	Utility Cost $ (B)	Cash Rebate $ (C)	Administrator Variable Fee $ (D)	Total Utility Cost $ (E)	UCT (F)
1	$ 15,749	$ 1,350	$ 6,075		$ 7,425	**2.1**
2	$ 3,216	$ 1,350	$ 243		$ 1,593	**2.02**
3	$ 18,056	$ 1,350	$ 1,364		$ 2,714	**6.65**
Total	**37,021**	**4,050**	**7,682**	**$0**	**11,732**	**3.2**

Notes

(A) Represents NPV of avoided energy and capacaity costs over a 10 year life multiplied by the annual project savings.

(B) Represents the utility's costs incurred for self-directed mercantile applications for applications filed and applications in progress. Includes incremental costs of legal fees, fixed administrative expenses, etc.

(C) This is the amount of the Rebate Payment paid to the customer for this

(D) Based on approximate Administrator's variable compensation for purposes of calculating the UCT, actual compensation may be less.

(E) = (B) + (C) + (D)

(F) =(A) / (E)

George F. Eyde Family LLC ~ Eyde Tower on Maumee
Docket No. 20-1553
Site: 220 N. Saint Clair St.

Project Estimated Summary

Appliances Incentive Program

Customer Name	**George F. Eyde Family LLC**
Building Name	**Eyde Tower on Maumee**
Building Address	**220 N. Saint Clair St., Toledo, OH 43604**
Project ID	
External ID	

Total Estimated Annual Energy Savings (kWh)	**31,737.46**
Total Demand Reduction (kW)	**6.86**
Total Calculated Project Incentive	**$8,100.00**

Equipment Type (click on titles below to jump to the associated calculator)	**Quantity**	**Demand Savings (kW)**	**Energy Savings (kWh)**	**Incentive**
Refrigerators	108	0.62	5,541.08	$2,700.00
Freezers	0	0.00	0.00	$0.00
Clothes Washers	108	6.24	26,196.38	$5,400.00
Clothes Dryers	0	0.00	0.00	$0.00
Water Heaters	0	0.00	0.00	$0.00
Pre-Rinse Sprayers	0	0.00	0.00	$0.00

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

ENERGY STAR® Refrigerators (Residential style used in a commercial space)

Return to Project Summary	Eligible refrigerators must be ENERGY STAR®-certified, residential style refrigerators. New refrigerator installations and replacement projects are eligible for incentives under this measure.

Line	Measure	Installation Type	New Equipment Manufacturer	New Equipment Model Number	Refrigerator Type	Defrost Type	Automatic Ice Maker?	Through the Door Ice?	Refrigerator Volume ft³	Freezer Volume ft³	Refrigerator Efficiency Level	Quantity	Total Demand Reductions (kW)	Total Energy Savings (kWh)	Incentive
1	Refrigerators	New Installation	Kenmore	04679313000	Refrigerator with bottom mount freezer	Automatic	Yes	No	12.94	5.73	Energy Star ® CEE Tier 1	108	0.62	5,541.08	$2,700.00
2	Refrigerators														
3	Refrigerators														
4	Refrigerators														
5	Refrigerators														
6	Refrigerators														
7	Refrigerators														
8	Refrigerators														

ENERGY STAR® Commercial Clothers Washers

Return to Project Summary

Commercial ENERGY STAR®-certified clothes washers in laundromats and multifamily complexes are eligible to participate. New installations and replacement projects are eligible. Must be connected to an electric water heating system.

Line	Measure	Installation Type	New Equipment Manufacturer	New Equipment Model Number	Building Type	Equipment Type	Loading Type	Washer Capacity ft^3	Quantity	Total Demand Reductions (kW)	Total Energy Savings (kWh)	Incentive
1	**Commercial Clothes Washer**	New Installation	Kenmore	02641162000	Multifamily	Clothes Washer - Energy Star	Front Load	4.3	108	6.24	26,196.38	$5,400.00
2	**Commercial Clothes Washer**											
3	**Commercial Clothes Washer**											
4	**Commercial Clothes Washer**											
5	**Commercial Clothes Washer**											
6	**Commercial Clothes Washer**											
7	**Commercial Clothes Washer**											
8	**Commercial Clothes Washer**											

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

9/30/2020 3:17:35 PM

in

Case No(s). 20-1553-EL-EEC

Summary: Application In the Matter of the Application by George F. Eyde Family LLC for a Mercantile Energy Efficiency rebate electronically filed by Mr. Andrew Nagy on behalf of George F. Eyde Family LLC electronically filed by Andrew Nagy on behalf of George F. Eyde Family LLC