



Case No.: 16-2173-EL-EEC

Mercantile Customer: **OPW Corp**

Electric Utility: **Duke Energy**

Program Title or Description: **Fluorescent to LED Lighting Replacement**

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

Section 1: Mercantile Customer Information

Name: **O P W Corp**

Principal address: **9393 Princeton Glendale Rd.
West Chester, OH 45011**

Address of facility for which this energy efficiency program applies:

**9393 Princeton Glendale Rd.
West Chester, OH 45011**

Name and telephone number for responses to questions:

Andrew Taylor, (317) 838-2096

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. (**Refer to Appendix A for 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: **Duke Energy**

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)).

Replaced numerous T12 and T8 fluorescent fixtures in company headquarters with LED lamps.

- 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) 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: 727,562 kWh
Refer to Appendix B for calculations and supporting document

- 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.

- 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.

- 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):

- 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?

The LED lighting was installed in April 2016.

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

117 kW

Refer to Appendix B for calculations and supporting documentation.

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

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

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

A) The customer is applying for:

Option 1: A cash rebate reasonable arrangement.

OR

Option 2: An exemption from the energy efficiency cost recovery mechanism implemented by the electric utility.

OR

Commitment 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 **\$30,654**. **Refer to Appendix C for documentation.** (Rebate shall not exceed 50% project cost.)

Option 2: An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider.

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

OR

A commitment payment valued at no more than \$_____. (Attach documentation and

calculations showing how this payment amount was determined.)

OR

- Ongoing exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for an initial period of 24 months because this program is part of the customer's ongoing efficiency program. (Attach documentation that establishes the ongoing nature of the program.) In order to continue the exemption beyond the initial 24 month period, the customer will need to provide a future application establishing additional energy savings and the continuance of the organization's energy efficiency program.)

Section 6: Cost Effectiveness

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

- 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 **17.19** (Skip to Subsection 2.) **Refer to Appendix D for calculations and supporting documents.**

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 **\$692,954**.

The utility's program costs were **\$9,662**.

The utility's incentive costs/rebate costs were **\$30,654**.

Refer to Appendix D for calculations and supporting documents.

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.

Refer to Offer Letter following this application

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.

98700677		
O P W CORP		
9393 PRINCETON GLENDALE RD		
WEST CHESTER OH 45011-9707		
Date	Days	Actual KWH
06/22/2016	32	307,675
05/23/2016	29	254,799
04/22/2016	30	239,232
03/23/2016	29	244,885
02/23/2016	31	298,651
01/25/2016	32	269,025
12/23/2015	33	291,657
11/23/2015	29	259,288
10/23/2015	29	290,821
09/23/2015	33	347,884
08/24/2015	29	338,986
08/03/2015	32	352,898
Total		3,495,801

Appendix C -Cash Rebate Calculation

OPW Corp LED Tube Retrofit

Measure	Quantity	Cash Rebate Rate	Cash Rebate
(4) 8'2LT12 Retrofit w/ (4) 4'2L 19w LED Lamps	4	50% of incentive that would be offered by the Smart \$aver Custom program	\$96
(21) 4'4LT12 Retrofit w/ (21) 4'4L 19w LED Lamps	21	50% of incentive that would be offered by the Smart \$aver Custom program	\$273
(50) 4'4LT8 Retrofit w/ (50) 4'4L 19w LED Lamps	1	50% of incentive that would be offered by the Smart \$aver Custom program	\$2,553
(121) 4'4LT8 Retrofit w/ (97) 4'2L 19w LED Lamps	50	50% of incentive that would be offered by the Smart \$aver Custom program	\$150
(425) 4'6LT8 Retrofit w/ (425) 4'6L 18w LED Lamps	425	50% of incentive that would be offered by the Smart \$aver Custom program	\$9,350
(212) 4'8LT5HO Retrofit w/ (212) 4'6L 18w LED Lamps	212	50% of incentive that would be offered by the Smart \$aver Custom program	\$18,232
			\$30,654

Appendix D -UCT Value

OPW Corp LED Tube Retrofit

Measure	Total Avoided Cost	Program Cost	Incentive	Quantity	Measure UCT
(4) 8'2LT12 Retrofit w/ (4) 4'2L 19w LED Lamps	\$2,439	\$30	\$96	4	19.38
(21) 4'4LT12 Retrofit w/ (21) 4'4L 19w LED Lamps	\$6,972	\$85	\$273	21	19.46
(50) 4'4LT8 Retrofit w/ (50) 4'4L 19w LED Lamps	\$66,844	\$818	\$2,553	1	19.83
(121) 4'4LT8 Retrofit w/ (97) 4'2L 19w LED Lamps	\$3,997	\$35	\$150	50	21.58
(425) 4'6LT8 Retrofit w/ (425) 4'6L 18w LED Lamps	\$204,762	\$2,906	\$9,350	425	16.71
(212) 4'8LT5HO Retrofit w/ (212) 4'6L 18w LED Lamps	\$407,941	\$5,789	\$18,232	212	16.98
Totals	\$692,954	\$9,662	\$30,654	713	

Total Avoided Supply Costs \$692,954
 Total Program Costs \$9,662
 Total Incentive \$30,654

Aggregate Application UCT

17.19

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Ohio Mercantile Self Direct Program

Application Guide & Cover Sheet

Questions? Call 1-866-380-9580 or visit www.duke-energy.com.

Email this form along with completed Mercantile Self Direct Prescriptive or Custom applications, proof of payment, energy savings calculations and spec sheets to SelfDirect@Duke-Energy.com. You may also fax to 1-513-629-5572.

Mercantile customers, defined as using at least 700,000 kWh annually or having an account in multiple locations are eligible for the Mercantile Self Direct program. Indicate which applies:

- a single Duke Energy Ohio account with 700,000 kWh annual usage
- an account with multiple locations

Please list Duke Energy account numbers below (attach listing of multiple accounts and/or billing history for other utilities as required):

Account Number	Annual Usage	Account Number	Annual Usage
98700677010	>700,000 kWh		

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart \$aver® Custom Incentive. Self Direct rebates are applicable to Prescriptive measures that were installed more than 90 days prior to submission to Duke Energy and have not previously received a Duke Energy Prescriptive rebate.

Self Direct Program rules allow for, though do not require, certain projects that are Prescriptive in nature under the Smart \$aver program to be evaluated using the Custom process in the Self Direct program. Use the list on page two as a guide to determine which Self Direct program best fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet.

Self Direct Program rules also allow for behaviorally based and/or no cost and low cost projects to receive rebates.

Please check each box to indicate completion/inclusion of the following program requirements:

<input checked="" type="checkbox"/> All sections of appropriate application(s) are completed	<input checked="" type="checkbox"/> Proof of payment.*	<input checked="" type="checkbox"/> Manufacturer's Spec sheets	<input checked="" type="checkbox"/> Energy model/calculations and detailed inputs for Custom applications
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*If a single payment record is intended to demonstrate the costs of both Prescriptive & Custom projects, please include an additional document with an estimated breakout of costs for each Prescriptive and Custom energy conservation measure.

**Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application. Rebates for such projects may be small in magnitude.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Application Type	Prescriptive Measures with Optional Custom Processing	
Heating & Cooling and Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	<input type="checkbox"/> Energy Star Window/Sleeve/Room AC <input type="checkbox"/> Central Air Unit	<input type="checkbox"/> Air Source Heat Pump Water Heater
	<input type="checkbox"/> Setback/Programmable Thermostat <input type="checkbox"/> Guestroom Energy Management Control	<input type="checkbox"/> Window Film
Chillers	<input type="checkbox"/> Air Cooled Chiller	<input type="checkbox"/> Water Cooled Chiller
Motors, Pumps and Variable Frequency Drives (VFDs)	<input type="checkbox"/> VFD – Applied to Process Pump <input type="checkbox"/> VFD – Applied to HVAC Pump	<input type="checkbox"/> VFD – applied to HVAC Fan
Food Service	<input type="checkbox"/> ENERGY STAR Hot Food Holding Cabinet <input type="checkbox"/> Night Covers for Display <input type="checkbox"/> ECM Cooler, Freezer, and Display Case Motors <input type="checkbox"/> ENERGY STAR Solid or Glass Door Reach-in Freezer or Refrigerator	
Process Equipment	<input type="checkbox"/> Engineered Nozzle – COMPRESSED AIR <input type="checkbox"/> Air compressor equipped with VFD	<input type="checkbox"/> Anti-Sweat Heater Control <input type="checkbox"/> Cooking Equipment <input type="checkbox"/> ENERGY STAR ICE MACHINE
Chiller Tune-ups	<input type="checkbox"/> Air cooled chiller tune-up	<input type="checkbox"/> Water cooled chiller tune-up

Please indicate above any Prescriptive energy conservation measures to be evaluated through the Custom process. Only Prescriptive measures listed above are eligible for this option. To receive a Self Direct Custom rebate, a detailed analysis of pre-project and post-project energy usage and project costs must be included in the application.

Although some Self Direct Prescriptive measures are eligible for evaluation through Custom processes, such an approach may not be most effective for certain measures.

Mercantile Self Direct Nonresidential Custom Rebate Application PART 1



Proposed energy efficiency measures may be eligible for Self-Direct Custom rebates if they clearly reduce electrical consumption and/or demand as compared to the appropriate baseline.

Before you complete this application, please note the following important criteria:

- Submitting this application does not guarantee a rebate will be approved.
- Rebates are based on electricity conservation only.
- Electric demand and/or energy reductions must be well documented with auditable calculations.
- Incomplete applications cannot be reviewed; all fields are required.

Refer to the complete list of Instructions and Disclaimers, beginning on page 6.

Notes on the Application Process

If you have any questions concerning how to complete any portion of the application or what supplementary information is required, please contact your Duke Energy Ohio, Inc account manager or the Duke Energy Self Direct team at 1-866-380-9580.

Every application must include calculations of the baseline electrical usage and the electrical usage of the proposed high-efficiency equipment/system. These calculations are performed and submitted by the Duke Energy Ohio customer, or your designated equipment vendor / engineer. Application Part 2 worksheets and page 6 of this application contain additional guidance on acceptable calculations. *Complex or unique projects may require the use, at the applicant's expense, of modeling software.* Please contact the Duke Energy Self Direct team with questions about these requirements.

If you do not receive an acknowledgement email within 1 day of submitting an application via online, email, or fax, please call 1-866-380-9580. The acknowledgement email will provide with an estimated response time based on an initial assessment of your application. The application review may include some communication to resolve any questions about the project or to request additional information. Applications that are received complete without missing information have a faster review time.

There are two ways to submit your completed application form and excel worksheets.

Email: Complete, sign, scan and send this application form and attachments to:
SelfDirect@duke-energy.com (Note attachment size limit is applicable)

Fax: 513-629-5572

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



1. Contact Information (Required)

Duke Energy Customer Contact Information					
Company Name	OPW Corporation				
Address	9393 Pricetone Glendale Rd				
City	Hamilton	State	OH	Zip Code	45015
Project Contact	Greg Pearson				
Title					
Office Phone	513-870-3133	Mobile Phone		Fax	
E-mail Address	gpearson@opw-fc.com				

Equipment Vendor / Contractor / Architect / Engineer Contact Information					
Company Name	Sylvania Lighting Services				
Address	692 St Blaise Rd				
City	Gallatin	State	TN	Zip Code	37066
Project Contact	<input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Ms	Renee Watson			
Title	Rebate Specialist				
Office Phone	704-919-7418	Mobile Phone		Fax	
E-mail Address	renee.watson@sylvania.com				

Who is the primary point of contact for technical questions? ¹	Renee Watson
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Payment Information	
If an incentive is awarded, who should receive payment? ²	
<input type="checkbox"/> Customer <input checked="" type="checkbox"/> Vendor (customer or customer's agent ³ must sign below)	
I hereby authorize payment of incentive directly to the vendor:	
Customer Signature	<i>Greg Pearson</i> ^{OPW} Date <u>6 / 6 / 2016</u> (mm/dd/yyyy)
Tax ID Number for Payee (provide W-9)	13-2642452
Mailing Address for Payee (if different from above) Sylvania Lighting Services Attn: N Burgin-OPW	
Street	13350 Gregg St, Ste 101
City	Poway State CA Zip Code 92064

¹ Note that if the vendor is the primary point of contact, the customer will still be copied on all application correspondence. If the customer does not wish to be copied, the customer must provide a signed waiver indicating an entity acting as agent for the customer. Duke Energy does not act as agent.

² If payment is to be made to an entity other than the Duke Energy account holder or the vendor, a payment waiver is required and will be provided for customer signature.

³ If an outside agent is acting on behalf of the Duke Energy customer of record, a letter of authorization on customer letterhead and signed by an authorized employee of the customer must be provided.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



2. Project Information (Required)

A. Please indicate project type:

- New Construction
- Expansion at an existing facility (existing Duke Energy account number)
- Replacing equipment due to equipment failure
- Replacing equipment that is estimated to have remaining useful life of 2 years or less
- Replacing equipment that is estimated to have remaining useful life of more than 2 years
- Behavioral, operational and/or procedural programs/projects

B. Please describe your project, or attach a detailed project description that describes the project.

Retrofitting F32T8 fixtures with LED19T8 or LED15T8 Kits and delamping most.

C. When did you start and complete implementation?

Start date 12/2016 (mm/yyyy) End date 4/2016 (mm/yyyy)

D. Are you also applying for Self-Direct Prescriptive rebates and, if so, which one(s)⁴?

No

E. Please indicate which worksheet(s) you are submitting for this application (check all that apply):

- Lighting
- Variable Frequency Drive (VFD)
- Compressed Air
- Energy Management System (EMS)
- General (for projects not easily submitted using one of the above worksheets)

F. List all assumptions about the baseline and proposed equipment energy use and operation schedule, or attach a document listing that information. Attach specification sheets for all proposed new equipment.

Attached Room-by-Room for all custom retrofit measures.

Attached cut sheet for all proposed new equipment.

G. Attach a supplier or contractor estimate, engineer's cost estimate, and/or other equivalent information documenting the Implementation Cost for each project listed in your application.

Does the Implementation Cost include any internal labor⁵? NO

If yes, please specify which costs are internal labor.

⁴ If your project involves some equipment that is eligible for prescriptive rebates and some equipment that is likely eligible for custom rebates, and if it is feasible to separate the equipment for the energy analysis, then the equipment will be evaluated separately. If it is not feasible to separate the equipment for analysis, then the equipment will be evaluated together in the custom application.

⁵ Internal labor costs cannot be counted in the Incremental Project Cost for purposes of analysis.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



3. Signature

(Required – must be signed by Duke Energy customer)

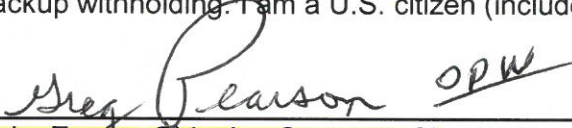
Customer Consent to Release of Personal Information

I, (insert name) Greg Pearson, do hereby consent to Duke Energy disclosing my Duke Energy Ohio, Inc Account Number and Federal Tax ID Number to its subcontractors solely for the purpose of administering Duke Energy Ohio's Mercantile Self-Direct Program. I understand that such subcontractors are contractually bound to otherwise maintain my Duke Energy Ohio, Inc Account Number and Federal Tax ID Number in the strictest of confidence.

I realize that under the rules and regulations of the public utilities commission, I may refuse to allow Duke Energy Ohio, Inc to release the information set forth above. By my signature, I freely give Duke Energy Ohio, Inc permission to release the information designated above.

Application Signature

I certify that I meet the eligibility requirements of the Duke Energy Ohio, Inc Mercantile Self Direct Custom Rebates Program and that all information provided within this application is correct to the best of my knowledge. I agree to the terms and conditions set forth for this program. I certify that the numbers, energy savings, and responses shown on this form are correct. Further, I certify that the taxpayer identification number is current and correct. I am not subject to backup withholding because: (a) I am exempt from backup withholding; or (b) I have not been notified by the IRS that I am subject to backup withholding as a result of a failure to report all interest or dividends; or (c) the IRS has notified me that I am no longer subject to backup withholding. I am a U.S. citizen (includes a U.S. resident alien).


Duke Energy Ohio, Inc Customer Signature

Print Name Greg Pearson

Date 6-6-16

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Checklist for completing the Application

INCOMPLETE APPLICATIONS WILL RESULT IN DELAYS IN DUKE ENERGY PROCESSING YOUR APPLICATION AND NOTIFYING YOU CONCERNING ANY REBATES. Before submitting the application and the required supplementary information, use the following checklist to ensure that your application is complete and the information in the application is accurate. (Note: this checklist is for your use only – do not submit this checklist with your application)

Section No. & Title	Have You:
1. Contact Information	<input type="checkbox"/> Completed the contact information for the Duke Energy customer? <input type="checkbox"/> Completed the contact information for the equipment vendor / project engineer that can answer questions about the technical aspects of the project, if that is a different person than above?
2. Project Information	<input type="checkbox"/> Answered the questions A-G, including providing a description of your project. <input type="checkbox"/> Completed and attached the lighting, compressed air, VFD, EMS and/or General worksheet(s)? <input type="checkbox"/> Attached a supplier or contractor estimate, engineer's cost estimate, and/or other equivalent information documenting the Implementation Cost for each project listed in your application? (Note: self-install costs cannot be included in the Implementation Cost)
3. Signature	<input type="checkbox"/> Signed your name? <input type="checkbox"/> Printed your name? <input type="checkbox"/> Entered the date?
Supplementary information (Required)	<input type="checkbox"/> (If submitting the General Worksheet) attached calculations documenting the energy usage and energy savings for each project listed in your application?

If you have any questions concerning how to complete any portion of the application or what supplementary information is required, please contact:

- your Duke Energy account manager
- or,
- the Duke Energy Self Direct team at 1-866-380-9580.

Submit your completed, signed application with attachments via email or fax:

Email: SelfDirect@duke-energy.com
 Fax: 1-513-629-5572.

**Mercantile Self Direct
Nonresidential Custom Rebate Application
PART 1**



Preferred Customized Calculation Tools

Please refer to the list below of the preferred software tools to use when calculating the baseline electrical usage and the electrical usage of the proposed high-efficiency equipment or system. Click on each software tool to learn more.

Software Tool	Category
eQuest	Nonresidential retrofits and new construction
EnergyPlus	Nonresidential retrofits and new construction; Whole building simulation
Carrier® HAP	HVAC
Trane® Trace™	HVAC
DOE OIT Pumping System Assessment Tool (PSAT)	Pumps
MotorMaster+	Motors
AirMaster	Air compressor systems
Emerson™ Product Selection & Energy Analysis	Refrigeration compressor retrofits using BIN analysis. ² For projects of approximately 250,000 kWh or less.
DOE2.2R	Refrigeration measures
SkyCalc™	Skylighting
BinMaker®	Weather data analysis tool
AFT Fathom	Fluid flow analysis for industrial systems

Mercantile Self Direct Nonresidential Custom Rebate Application PART 1



Instructions/Terms/Conditions

Note: Please keep for your records- do not submit with the application

1. Energy service companies or contractors may assist in preparing the application, but an authorized representative of the customer must sign this application to be eligible to participate in the Mercantile Self Direct Program. Completion of this application does not guarantee the approval of a Self Direct Custom Rebate.
2. Once all documentation requested in this application is received by *Duke Energy Ohio, Inc*, and any follow-up information requested by *Duke Energy* is received, the rebate amount for each Energy Conservation Measure (ECM) will be communicated to the customer. The rebate amount will be based on ECM energy savings and ECM incremental installation cost.
3. All rebates require approval by the Public Utilities Commission of Ohio. *Duke Energy Ohio, Inc* will submit an application for rebate on the customer's behalf upon customer attestation to program terms, conditions and requirements as outlined in the rebate offer letter and upon customer completion of attestation documents required by the Public Utilities Commission of Ohio.
4. *Duke Energy Ohio, Inc* will issue a Self Direct Custom Rebate check, based on the approved rebate amount for each ECM, upon receiving approval from the Public Utilities Commission of Ohio. *Duke Energy Ohio, Inc* does not guarantee PUCO approval.
5. With the application, the customer must provide a list of all sites where the ECMs were installed. *Duke Energy Ohio, Inc* requests that sites of similar size, hours of operation and energy consuming characteristics be grouped together in one application for the determination of the rebate amount. The application should identify the site where each unique ECM was installed.
6. Based on the information submitted with the application and the information gathered both before and after the initial installation of the ECM, *Duke Energy Ohio, Inc* will calculate the rebate amount for each ECM.
7. *Duke Energy Ohio, Inc* may conduct random site inspections of a sample of the locations where the ECMs are installed to verify installation and operability of the ECMs and to obtain information needed to calculate the Approved Rebate Amount.
8. Customers are encouraged to retain copies of all forms, invoices and supporting documentation for their records.
9. Approved rebates are valid for 6 months from the date communicated to the customer by *Duke Energy Ohio, Inc*, subject to the expiration of measure eligibility based on project completion dates and application submission deadlines as defined by PUCO. Customers are encouraged to execute their rebate offer contracts and PUCO-required affidavits promptly to ensure eligibility is not forfeited.

**Mercantile Self Direct
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PART 1**



10. *Duke Energy Ohio, Inc* reserves the right to recover all unrecoverable costs associated with the project approval if the customer decides not to execute the rebate contract, after the project is approved by *Duke Energy Ohio, Inc*.
11. Projects financially supported by other funding sources will be evaluated on a case-by-case basis for potential partial funding from *Duke Energy Ohio, Inc*.
12. Participants must be *Duke Energy Ohio, Inc* nonresidential, mercantile customers with the project sites in the *Duke Energy Ohio, Inc* service territory.
13. Customers or trade allies may not use any *Duke Energy* logo without prior written permission.
14. Only trade allies registered with *Duke Energy* are eligible to participate.
15. All equipment must be new. Used or rebuilt equipment is not eligible for rebates. All old existing equipment must be removed on retrofit projects.
16. Disclaimers: *Duke Energy Ohio, Inc*
 - a. does not endorse any particular manufacturer, product or system design within the program;
 - b. will not be responsible for any tax liability imposed on the customer as a result of the payment of rebates;
 - c. does not expressly or implicitly warrant the performance of installed equipment. (Contact your contractor for details regarding equipment warranties.);
 - d. is not responsible for the proper disposal/recycling of any waste generated or obsolete or old equipment as a result of this project;
 - e. is not liable for any damage caused by the installation of the equipment nor for any damage caused by the malfunction of the installed equipment; and
 - f. reserves the right to change or discontinue this program at any time. The acceptance of program applications is determined solely by *Duke Energy Ohio, Inc*.



8/24/2016

Greg Pearson
O P W CORP - 9870067701
9393 PRINCETON GLENDALE RD
WEST CHESTER OH 45011-9707

Subject: Your Application for a Duke Energy Mercantile Self-Direct Rebate CMO16-0000090964

Dear Greg Pearson,

Thank you for your Duke Energy Mercantile Self Direct rebate application. As noted in the Energy Conservation Measure (ECM) chart on page 2, a total rebate of \$30,654.00 has been proposed for your project completed in the 2016 calendar years. **All Self Direct Rebates are contingent upon approval by the Public Utilities Commission of Ohio (PUCO).**

At your earliest convenience, please indicate if you accept this rebate by:

- providing your signature on Page 2
- completing the PUCO-required affidavit on Page 3

Please return the documents to my attention via fax at 513.629.5572 or email to customprocessing@duke-energy-energyefficiency.com. Upon receipt, Duke Energy will submit the necessary documentation to PUCO. Following PUCO's approval, Duke Energy will remit payment.

We value your business and look forward to working with you on this and future energy efficiency projects. We hope you will consider our Smart Saver® incentives, when applicable. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Taylor", with a long horizontal flourish extending to the right.

Andrew Taylor
Program Manager
Custom Incentives

cc: Roger Jones
Renee Watson



**Please indicate your response to this rebate offer
within 30 days of receipt.**

Rebate is accepted.

Rebate is declined.

By accepting this rebate, O P W CORP - 9870067701 affirms its intention to commit and integrate the energy efficiency projects listed on the following pages into Duke Energy's peak demand reduction, demand response and/or energy efficiency programs.

Additionally, O P W CORP - 9870067701 also agrees to serve as joint applicant in any future filings necessary to secure approval of this arrangement as required by PUCO and to comply with any information and reporting requirements imposed by rule or as part of that approval.

Finally, O P W CORP - 9870067701 affirms that all application information submitted to Duke Energy pursuant to this rebate offer is true and accurate. Information in question would include, but not be limited to, project scope, equipment specifications, equipment operational details, project costs, project completion dates, and the quantity of energy conservation measures installed.

If rebate is accepted, will you use the monies to fund future energy efficiency and/or demand reduction projects? Yes No

Customer Signature

Printed Name

Date



Proposed Rebate Amounts

Measure ID	Energy Conservation Measure	Proposed Rebate Amount
ECM-1	(4) 8'2LT12 Retrofit w/ (4) 4'2L 19w LED Lamps	\$24.00 per fixture X 4
ECM-2	(21) 4'4LT12 Retrofit w/ (21) 4'4L 19w LED Lamps	\$13.00 per fixture X 21
ECM-3	(50) 4'4LT8 Retrofit w/ (50) 4'4L 19w LED Lamps	\$3.00 per fixture X 50
ECM-4	(121) 4'4LT8 Retrofit w/ (97) 4'2L 19w LED Lamps	\$2,553.00 per project X 1
ECM-5	(425) 4'6LT8 Retrofit w/ (425) 4'6L 18w LED Lamps	\$22.00 per fixture X 425
ECM-6	(212) 4'8LT5HO Retrofit w/ (212) 4'6L 18w LED Lamps	\$86.00 per fixture X 212
	Total	\$30,654.00



Application to Commit

Energy Efficiency/Peak Demand Reduction Programs

Case No.: ____ - ____ -EL-EEC

State of _____ :

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

1. I am the duly authorized representative of:

[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.

3. I am aware of fines and penalties which may be imposed under Ohio Revised Code Sections 2921.11, 2921.31, 4903.02, 4903.03, and 4903.99 for submitting false information.

SIGNATURE OF AFFIANT & TITLE

Sworn and subscribed before me this ____ day of _____, _____
DAY MONTH YEAR

SIGNATURE OF OFFICIAL ADMINISTERING OATH

PRINT NAME AND TITLE

My commission expires on _____
DATE



Smart Saver® Incentive Program

phone: 866.380.9580

fax: 980.373.9755

customprocessing@duke-energy-energyefficiency.com

8/24/2016

Greg Pearson
O P W CORP - 9870067701
9393 PRINCETON GLENDALE RD
WEST CHESTER OH 45011-9707

Subject: Your Application for a Duke Energy Mercantile Self-Direct Rebate CMO16-0000090964

Dear Greg Pearson,

Thank you for your Duke Energy Mercantile Self Direct rebate application. As noted in the Energy Conservation Measure (ECM) chart on page 2, a total rebate of \$30,654.00 has been proposed for your project completed in the 2016 calendar years. **All Self Direct Rebates are contingent upon approval by the Public Utilities Commission of Ohio (PUCO).**

At your earliest convenience, please indicate if you accept this rebate by:

- providing your signature on Page 2
- completing the PUCO-required affidavit on Page 3

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We value your business and look forward to working with you on this and future energy efficiency projects. We hope you will consider our Smart Saver® incentives, when applicable. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrew Taylor', with a long horizontal flourish extending to the right.

Andrew Taylor
Program Manager
Custom Incentives

cc: Roger Jones
Renee Watson



**Please indicate your response to this rebate offer
within 30 days of receipt.**

Rebate is accepted.

Rebate is declined.

By accepting this rebate, O P W CORP - 9870067701 affirms its intention to commit and integrate the energy efficiency projects listed on the following pages into Duke Energy's peak demand reduction, demand response and/or energy efficiency programs.

Additionally, O P W CORP - 9870067701 also agrees to serve as joint applicant in any future filings necessary to secure approval of this arrangement as required by PUCO and to comply with any information and reporting requirements imposed by rule or as part of that approval.

Finally, O P W CORP - 9870067701 affirms that all application information submitted to Duke Energy pursuant to this rebate offer is true and accurate. Information in question would include, but not be limited to, project scope, equipment specifications, equipment operational details, project costs, project completion dates, and the quantity of energy conservation measures installed.

If rebate is accepted, will you use the monies to fund future energy efficiency and/or demand reduction projects? Yes No

Greg Pearson
Customer Signature

GREG PEARSON
Printed Name

9/14/16
Date



Proposed Rebate Amounts

Measure ID	Energy Conservation Measure	Proposed Rebate Amount
ECM-1	(4) 8'2LT12 Retrofit w/ (4) 4'2L 19w LED Lamps	\$24.00 per fixture X 4
ECM-2	(21) 4'4LT12 Retrofit w/ (21) 4'4L 19w LED Lamps	\$13.00 per fixture X 21
ECM-3	(50) 4'4LT8 Retrofit w/ (50) 4'4L 19w LED Lamps	\$3.00 per fixture X 50
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ECM-6	(212) 4'8LT5HO Retrofit w/ (212) 4'6L 18w LED Lamps	\$86.00 per fixture X 212
	Total	\$30,654.00



Application to Commit Energy Efficiency/Peak Demand Reduction Programs

Case No.: ____ - ____ -EL-EEC

State of _____ :

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

1. I am the duly authorized representative of:

[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.

3. I am aware of fines and penalties which may be imposed under Ohio Revised Code Sections 2921.11, 2921.31, 4903.02, 4903.03, and 4903.99 for submitting false information.

SIGNATURE OF AFFIANT & TITLE

Sworn and subscribed before me this ____ day of _____, _____
DAY MONTH YEAR

SIGNATURE OF OFFICIAL ADMINISTERING OATH

PRINT NAME AND TITLE

My commission expires on _____
DATE



Public Utilities Commission

(Mercantile Customers Only)

16-2173-EL-EEC

Application to Commit Energy Efficiency/Peak Demand Reduction Programs

Case No.: ___ - ___ -EL-EEC

State of Massachusetts :

Renee Watson, Affiant, being duly sworn according to law, deposes and says that:

1. I am the duly authorized representative of:

Sylvania Lighting Solutions

INSERT CUSTOMER OR ELEC COMPANY NAME AND ANY APPLICABLE NAIDC (BY 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.

3. I am aware of fines and penalties which may be imposed under Ohio Revised Code Sections 2921.11, 2921.31, 4903.02, 4903.03, and 4903.99 for submitting false information.

Renee F. Watson - State Specialist

SIGNATURE OF AFFIANT'S OFFICER

Sworn and subscribed before me this 15th day of September, 2016

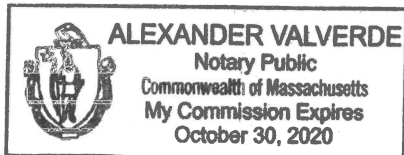
Alexander Valverde

DEPARTMENT OF REVENUE ADMINISTRATION DIST-1

Alexander Valverde, Credit Specialist

PRINT NAME AND TITLE

My commission expires on October 30, 2020



Please remit to:

Sylvania Lighting Services Corp.
P.O. Box 2120
Carol Stream, IL 60132-2120
Direct inquiries to: (800) 323-0572
E-mail to: slsbilling@sylvania.com

Payment Details

Invoice # 402462079
Invoice Amount \$ 142,825.52 USD
Date 03/31/2016
PO #
Service Order # 22307457
Terms Due Upon Receipt

Bill-To Information

OPW FUELING COMPONENTS INC
9393 PRINCETON GLENDALE RD
HAMILTON OH 45011-9707
USA
Payer No.64119

Job Site Information:

OPW FUELING COMPONENTS INC

OPW / SOLDTO:426119
9393 PRINCETON GLENDALE RD
HAMILTON OH 45011-9707

Branch/Srv Ctr:VS65.65 WESTFIELD SERVICE CENTER SLS

Comments

Performance Details

Service Dates and Times:

Conf. #: 3746667 Start: 03/30/2016 00:00 ESTNO End:
Conf. #: 3746919 Start: 03/31/2016 00:00 ESTNO End: 03/31/2016 00:01 ESTNO

Invoice Details

Qty	UOM	Item Code/Date Code	Cat	Item Description	Sell Value	Extended
			Desc		per Unit	Sell Value

Install Location Component # & Descriptors						
11423278	11423368	SITE INT: PUBLIC AREAS				
637	EA	49787	INS	QHE4X32T8UNVISHHT1B 10/CS 1	\$ 0.00	\$ 0.00
637	EA	49497	INS	QHE2X32T8UNVISHHTSC 10/CS 1	\$ 0.00	\$ 0.00
101	EA	73108	INS	LED19T8L48F1X2HE850UNV 1/CS	\$ 0.00	\$ 0.00
3,822	EA	75184	INS	LED15T8L48F850SUBG5 10/CS 1	\$ 0.00	\$ 0.00
76	EA	84863	INS	2L/2X4/REFLECTOR/KIT	\$ 0.00	\$ 0.00
71	EA	73368	INS	LED19T8L48F1X4HE850UNV 1/CS	\$ 0.00	\$ 0.00
11423278	0	OPW FUELING COMPONENTS INC				
1	ACT	UREBATE		UTILITY REBATE LABOR	\$ 10,252.34-	\$ 10,252.34-
1	ACT	UMREBATE		UTILITY REBATE MATERIAL	\$ 23,922.14-	\$ 23,922.14-
1	EA	LASPE		LABOR AS PER AGREEMENT - UT	\$ 53,100.00	\$ 53,100.00
1	EA	99997		MATERIAL AS PER AGREEMENT -	\$ 123,900.00	\$ 123,900.00

Invoice No./Date
402462079 / 03/31/2016

Work Accepted by:

Signature:

Material Total	Labor Total	Other Total		
\$ 99,977.86	\$ 42,847.66	\$ 0.00	INVOICE SUBTOTAL	142,825.52 USD
			TAXES	0.00 USD
			FINAL TOTAL	\$ 142,825.52 USD

Thank you for your business

NOTICE: Fluorescent and High Intensity Discharge lamps included on this invoice contain a small amount of mercury. Mercury is a toxic substance whose disposal is regulated by Federal and State law.

A late payment charge of 2% per month, or the maximum allowable rate not exceeding 2% per month, will be made on all invoice past due. This charge will amount to a maximum annual percentage rate not to exceed 24%.

NOTICE: If in California, Under the Mechanics'Lien Law (California Code of Civil Procedure, Section 1181 et seq.), any contractor, subcontractor, laborer, supplier or other person who helps to improve your property but is not paid for his work or supplies, has a right to enforce claim against your property. This means that after a courtheating, your property could be sold by a court officer and the proceeds of the sale used to satisfy the indebtedness. This could happen even if you paid your own contractor in full, if the subcontractor, laborer, or supplier remains unpaid.



The Lighting Worksheet is part 2 of the application. Do not submit this file without submitting a completed Part1 Custom Application document file, which can be found at www.duke-energy.com.

Before you complete this application, please note the following important criteria:

- Submitting this application does not guarantee an Rebate will be approved.
- Rebates are based on electricity conservation only.
- Electric demand and/or energy reductions must be well documented with auditable calculations.
- Incomplete applications will not be reviewed; all fields are required.

Refer to the complete list of Instructions and Disclaimers, found in the Mercantile Self Direct Custom Application Part 1 document.

Please enter your information and data into the cells that are shaded.
Cells in white are locked and cannot be written over.

Duke Energy Customer Contact Information (Match the information in Application Part 1):

Name	Greg Pearson
Company	OPW Fueling Components Inc

Equipment Vendor / Project Engineer Contact Information

Name	Renee Watson
Company	Sylvania Lighting Services

Before proceeding with the custom application, please verify that your project is not on the Self-Direct Prescriptive application.

The prescriptive Rebate applications can be found at:

<http://www.duke-energy.com/ohio-large-business/smart-saver/mercantile-self-direct.asp>

Prescriptive rebate amounts are pre-approved.



Please enter your information and data into the cells that are shaded.
 Cells in white are locked and cannot be written over.

List of Sites (Required)

Project/ Site (see note 1)	Site Name	Electric Account Number(s) (see note 2)	Site Address	Area (sq ft)	Location within Facility	Location Type	Indoor or Outdoor?
<i>Example</i>	<i>Distribution Center</i>	<i>12345678 01</i>	<i>Example: 123 Main Street, Anywhere USA 12345</i>	<i>1000</i>	<i>Warehouse</i>	<i>Industrial</i>	<i>Indoor</i>
1	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
2	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
3	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
4	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
5	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
6	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
7	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
8	OPW	98700677010	9393 Princeton Glendale Rd, Hamilton, OH 45015		Office	Other	Indoor
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

If your application involves more than 20 lighting projects, please check here and use multiple worksheets.

1 Project/Site

You can write over the default project/site number with a store #, building identifier, or other reference that distinguishes one project/location from another

2 Electric Account Number(s)

If there are multiple meters at a site, only include the Duke Energy account numbers that pertain to the project.

Currently active account number(s) are required for an existing facility. For new construction, write in "new construction."



Project/ Site	Hours of Use (see note 3)								Controls (see note 5)				
	24 x 7	Weekday		Saturday		Sunday		Weeks of Use in Year (see note 4)	Total Annual Hours of Use	Existing		Proposed	Description
		Start Hour	End Hour	Start Hour	End Hour	Start Hour	End Hour			Type of Control	Hours Reduction	Type of Control	
<i>Example</i>	No	8:00 AM	7:00 PM	10:00 AM	6:00 PM	1:00 PM	6:00 PM	52	3,536	None	0%	Occupancy	Applying for Prescriptive Rebate
1	No	7:00:00 AM	7:00:00 AM					52	6,240	None	40%	Occupancy	
2	No	7:00:00 AM	7:00:00 AM					52	6,240	None	40%	Occupancy	
3	No	7:00:00 AM	7:00:00 PM					52	3,120	Occupancy	30%	Occupancy	
4	No	7:00:00 AM	7:00:00 AM					52	6,240	None	40%	Occupancy	
5	No	7:00:00 AM	7:00:00 AM					52	6,240	None		None	
6	No	7:00:00 AM	7:00:00 AM					52	6,240	None		None	
7	No	7:00:00 AM	7:00:00 AM					52	6,240	None	40%	Occupancy	
8	No	7:00:00 AM	7:00:00 AM					52	6,240	None		None	
9													
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3 Hours of Use

For unoccupied times, leave applicable cells blank.

4 Weeks of Use in Year

If the lighting fixtures are not in use 52 weeks during the year (for example, during holiday or summer break), provide an explanation of when they are not expected to be in use and why:

5 Controls

Please attach more description of existing and/or new controls if more space is needed. If sufficient description is not provided, then controls portion of project will not be evaluated. Attach assumptions and calculations to support estimated reduction in hours that result from the controls.

New occupancy sensors should be applied for through the prescriptive application unless ineligible for prescriptive.

New or upgraded EMS/building controls require a separate application part 2. Without the separate application, EMS portion of the project will not be evaluated for an Rebate



Existing Fixture(s)									
Project/ Site	Existing Fixture Installation Year (see note 6)	Fixture Type	Fixture Manufacturer (see note 6)	Fixture Model Number (see note 6)	Lamps per Fixture	Fixture Size	Fixture Input Power (watts) (see note 7)	Quantity of Fixtures	Total Demand (kW)
<i>Example</i>	1995	<i>High Pressure Sodium</i>	<i>Manufacturer</i>	<i>Model #</i>	1		190	175	33
1		T8 Fluorescent		2L 8FT STRIP	2	8'	123	4	0
2		T12 Fluorescent		4LP/F32T12 - WRAP	4	4'	144	21	3
3		T8 Fluorescent		4LP/F32T8	4	2x4	114	50	6
4		T8 Fluorescent		4LP/F32T8	4	2x4	114	97	11
5		T8 Fluorescent		4LP/F32T8	4	2x4	114	24	3
6		T8 Fluorescent		6LP/T8 - Electronic ISH ballast	6	2x4	224	404	90
7		T8 Fluorescent		6LP/T8 - Electronic ISH ballast	6	2x4	224	21	5
8		T5 Fluorescent		8LP/FP54T5/850/HO	8	2x4	468	212	99
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Application Total								833	217

6 Information on Existing Fixture(s)

Optional - please provide as much information as you can.

For new construction projects, provide information on the light fixture(s) that would meet the building code in your location

7 Fixture Input Power (watts)

Provide actual input power (in watts), not nominal power rating. For example, a 400 watt (nominal) metal halide fixture has a typical input power of approximately 459 watts.



Project/ Site	Fixture Type	Fixture Manufacturer (see note 8)	Fixture Model Number (see note 8)	New Fixture(s)							Projected Savings			Incremental Project Cost \$ (see note 11)
				Warranty of Proposed Fixtures (years)	Lamps per Fixture	Fixture Input Power (watts) (see note 9)	Quantity of Fixtures	Total Demand (kW)	Lumen Output per Fixture	Lumen/Sq Ft	Demand (kW)	Annual Energy (kWh)	Other Annual Savings \$ (see note 10)	
Example	T8 Fluorescent	Manufacturer	Model #	5.0	1.0	78	225	18		0		55,515	\$1,265	\$29,215
1	LED	Osram	ZLP/LED19TB/L48/1X2HEB41/UNV	5.0	2.0	38	4	0			0	1,273	\$9	\$388
2	LED	Osram	4LP/LED19TB/L48/1XAHEB41/UNV	5.0	4.0	95	21	2			1	3,853	\$26	\$1,904
3	LED	Osram	4LP/LED19TB/L48/1XAHEB41/UNV	5.0	4.0	95	50	5			1	2,075	\$24	\$4,370
4	LED	Osram	ZLP/LED19TB/L48/1X2HEB41/UNV	5.0	2.0	38	97	4			7	27,601	\$188	\$8,477
5	Remove Only	Remove Only	Remove Only	0.0	4.0	0	24						\$70	\$0
6	LED	Osram	-----	5.0	6.0	133	404	54			37	229,407	\$937	\$77,750
7	LED	Osram	-----	5.0	6.0	133	21	3			2	7,155	\$49	\$4,041
8	LED	Osram	-----	5.0	6.0	133	212	28			71	443,165	\$0	\$80,219
9														
10														
11														
12														
13														
14														
15														
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17														
18														
19														
20														

Application Total 833 95
 Average Electric Rate \$/kWh \$0.100 Estimated Annual Electric Savings \$71,453 Project Simple Electric Payback (see note 12) 2.5 years 119 714,528 \$1,302 \$177,149

8 Fixture Manufacturer and Model Number

Attach a scanned copy of a spec sheet for each fixture that includes the input power (watts), lumen output and other relevant information. For eligible LED fixtures, refer to the FAQs for Custom Rebates found at www.duke-energy.com and attach required documents if necessary.

9 Fixture Input Power (watts)

Provide actual input power (in watts), not nominal power rating. For example, a 400 watt (nominal) metal halide fixture has a typical input power of approximately 459 watts.

10 Other Annual Savings \$

Optional. Estimate other annual savings in addition to electric (for example operations/maintenance savings).

11 Incremental Project Cost \$

Vendor invoices detailing costs of the project are always required. For new construction projects, a formal proposal is also required with the projected costs for the light fixture(s) that would meet the building code in your location

12 Project Simple Electric Payback

If the simple electric payback is less than 1 year, the rebate structure is affected. Double check average electric rate for correct payback.