



Legal Department

June 18, 2020

Chairman Samuel Randazzo  
Public Utilities Commission of Ohio  
180 East Broad Street  
Columbus, OH 43215-3793

Re: **In the Matter of the Application of** )  
**Target** )  
**and Ohio Power Company** ) **Case No. 20-0676-EL-EEC**  
**for Approval of a Special Arrangement** )  
**Agreement with a Mercantile Customer** )

Tanner Wolfram  
Counsel  
Regulatory Services  
(614) 716-2914 (T)  
[twolfram@aep.com](mailto:twolfram@aep.com)

Dear Chairman Randazzo,

Attached please find the Joint Application of Ohio Power Company (AEP Ohio) and the above-referenced mercantile customer for approval of a Special Arrangement of the commitment of energy efficiency/peak demand reduction (EE/PDR) resources toward compliance with the statutory benchmarks for 2020 (hereinafter "Joint Application").

Amended Substitute Senate Bill 221, codified at R.C. 4928.66, sets forth EE/PDR benchmarks that electric distribution utilities are required to meet or exceed. The statute allows utilities to include EE/PDR resources committed by mercantile customers for integration into the utilities' programs to be counted toward compliance with a utility's EE/PDR benchmarks. The statute also enables the Commission to approve special arrangements for mercantile customers that commit EE/PDR resources to be counted toward compliance with EE/PDR benchmarks.

The Commission's Order in Case No. 10-834-EL-EEC established a streamlined process to expedite review of these special arrangements by developing a sample application process for parties to follow for consideration of such programs implemented during the prior three calendar years. The attached Joint Application and affidavit conforms with AEP Ohio's version of the streamlined sample application. As requested by Commission Staff, any confidential information referenced in the Joint Application has been provided confidentially to Commission Staff for filing in Commission Docket 10-1599-EL-EEC and subject to the confidentially protections of R.C. 4901.16 and OAC 4901-1-24(E). AEP Ohio respectfully requests that the Commission treat the two cases as associated dockets and that any confidential information provided to Staff for filing in connection with the Joint Application be subject to the protective order requested in Docket 10-1599-EL-EEC.

Cordially,

/s/ Tanner Wolfram  
Tanner Wolfram

Attachment



**Case No.:** 20-0676-EL-EEC

Mercantile Customer: TARGET

Electric Utility: Ohio Power

Program Title or Description: AEP Ohio Business Incentives for Energy Efficiency: Self Direct Program

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](mailto:ee-pdr@puc.state.oh.us).

## Section 1: Company Information

Name: TARGET

Principal address: 301 Plainfield Road, Suite 310, Syracuse, Ny 13212

Address of facility for which this energy efficiency program applies: 55 Graceland Blvd, Columbus, Oh 43214-7508

Name and telephone number for responses to questions:

Sarah Plotkin, Target, (612) 696-2166

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

- ☒ The customer uses more than seven hundred thousand kilowatt hours per year at our facility. (Please attach documentation.)

See Confidential and Proprietary Attachment 4 – Calculation of Rider Exemption and UCT which provides the facility consumption for the last three years, benchmark kWh, and the last 12 months usage.

- ☐ The customer is part of a national account involving multiple facilities in one or more states. (Please attach documentation.) When checked, see Attachment 6 – Supporting Documentation for a listing of the customer’s name and service addresses of other accounts in the AEP Ohio service territory.

## Section 2: Application Information

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

- ☐ Individually, on our own.
- ☒ Jointly with our electric utility.

B) Our electric utility is: Ohio Power Company

The application to participate in the electric utility energy efficiency program is "Confidential and Proprietary Attachment 3 – Self Direct Program Project Completed Application."

C) The customer is offering to commit (choose which applies):

- ☐ Energy savings from our 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 demand reduction 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 (choose whichever applies):

- ☒ Early replacement of fully functioning equipment with new equipment. (Provide the date on which the customer replaced fully functioning equipment, 5/25/2019 and the date on which the customer would have replaced your equipment if you had not replaced it 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)).

The remaining life of the equipment varies and is not known with certainty. The future replacement date is unknown and has historically been at the end of equipment life. Replacement was completed early to achieve energy savings and to reduce future maintenance costs.

- ☐ 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 your energy efficiency program:

- 1) If you checked the box indicating that your 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:

Unit Quantity (watts) = Existing (watts x units) - Installed (watts x units)

kWh Reduction (Annual Savings) = Unit Quantity x (Deemed kWh/Unit)

Annual savings: 5,405 kWh

See Confidential and Proprietary Attachment 5 – Self Direct Program Project Calculation for annual energy savings calculations Attachment 6 – Supporting Documentation for custom measures work papers that provide all methodologies, protocols, and practices used in this application for custom measures, as needed.

- 2) If you checked the box indicating that you 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 the less efficient new equipment that you rejected in favor of the more efficient new equipment.

- 3) If you checked the box indicating that your 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 you 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.

## 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):

➤ Choose one or more of the following 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 coincident peak-demand savings are permanent installations that reduce demand through energy efficiency and were installed on the date specified in Section 3 A above.

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

Unit Quantity (watts) = Existing (watts x units) – Installed (watts x units)

KW Demand Reduction = Unit Quantity (watts) x (Deemed KW/Unit (watts))

.9 kW

See Confidential and Proprietary Attachment 5 – Self Direct Program Project Calculation for peak demand reduction calculation, and Attachment 6 – Supporting Documentation for custom measures work papers that provide all methodologies, protocols, and practices used in this application for custom measures, as needed.

## **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 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 \$ 283.74. (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.)

See Confidential and Proprietary Attachment 5 – Self Direct Program Project Calculation for incentive calculations for this mercantile program.

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 an ongoing efficiency program that is practiced by our organization. (Attach documentation that establishes your organization's ongoing efficiency program. In order to continue the exemption beyond the initial 24 month period your organization 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: 5.39 (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 utility's 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 \$ 1,704.39

The utility's program costs were \$ 32.43

The utility's incentive costs/rebate costs were \$ 283.74.

## Section 7: Additional Information

Please attach the following supporting documentation to this application:

- Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment.

See Attachment 1 - Self Direct Project Overview and Commitment for a description of the project. See Attachment 6 - Supporting Documentation, for the specifications of the replacement equipment work papers that provide all methodologies, protocols, and practices used in this application for custom measures, as needed. Due to the length of time since the equipment replacement, the make, model and year of the replaced equipment is not available.

- A copy of the formal declaration or agreement that commits your program to the electric utility, including:

- 1) any confidentiality requirements associated with the agreement;

See Attachment 2 - Self Direct Program Project Blank Application including Rules and Requirements. All confidentiality requirements are pursuant to the Retrospective Projects/Rules and Requirements that are part of the signed application which is provided as Confidential and Proprietary Attachment 3 - Self Direct Program Project Completed Application.)

- 2) a description of any consequences of noncompliance with the terms of the commitment;

See Attachment 2 - Self Direct Program Project Blank Application including Rules and Requirements. All consequences of noncompliance are pursuant to the Retrospective Projects/Rules and Requirements that are part of the signed application which is provided as Confidential and Proprietary Attachment 3 - Self Direct Program Project Completed Application.

- 3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;

None required because the resources committed are permanent installations that reduce demand through increased efficiency during the Company's peak summer demand period generally defined as May through September and do not require specific coordination and communication to provide demand reduction capabilities to the Company.

- 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,

See Attachment 2 – Self Direct Program Blank Application including Rules and Requirements granting such permission pursuant to the Retrospective Projects/Rules and Requirements that are part of the signed application which is provided as Confidential and Proprietary Attachment 3 – Self Direct Program Project Completed Application.

- 5) a commitment by you to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.

See Attachment 1 - Self Direct Project Overview and Commitment for the commitment to comply with any information and compliance reporting requirements imposed by rule or as part of the approval of this arrangement by the Public Utilities Commission of Ohio.

- 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.

The Company applies the same methodologies, protocols, and practices to Self Direct Program retrospective projects that are screened and submitted for approval as it does to prospective projects submitted through its Prescriptive and Custom Programs. The Commission has not published a technical reference manual for use by the Company so deviations can not be identified. The project submitted is a custom project and energy savings are determined as described in Confidential and Proprietary Attachment 5 - Self Direct Program Project Calculation, Attachment 6 – Supporting Documentation for custom measures work papers that provide all methodologies, protocols, and practices used in this application for custom measures, as needed.

**ZShaikh\_Page 12 from AEP-19-25380 TARGET 20-0676.pdf**

DocVerify ID: FB6CAE05-A372-40C8-A126-7992E63EAE30  
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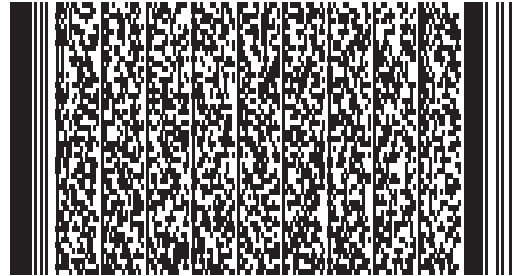
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**E-Signature Summary****E-Signature 1: Zaid Shaikh (ZS)**

May 11, 2020 15:52:56 -5:00 [972FEFAB3B3A] [76.219.105.146]  
Zaid.Shaikh@dnvgl.com (Principal) (ID Verified)

**E-Signature Notary: Dean M. Hindenlang (DMH)**

May 11, 2020 15:52:56 -5:00 [FD0B26DEE58A] [198.30.81.2]  
dhindenlang@mac.com  
I, Dean M. Hindenlang, did witness the participants named above  
electronically sign this document.





# Public Utilities Commission

Project # 19-25380  
Docket # 20-0676

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

Case No.: 20-0676-EL-EEC

State of OHIO :

Zaid Azmathullah Shaikh \_\_\_\_\_, Affiant, being duly sworn according to law, deposes and says that:

1. I am the duly authorized representative of:  
  
DNV GL Energy Services USA Inc. agent of Ohio Power
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.

Zaid Shaikh

Signed on 2020/05/11 15:52:56 -5:00

Energy Engineer

Signature of Affiant & Title

Sworn and subscribed before me this \_\_\_\_\_ day of 05/11/2020, \_\_\_\_\_ Month/Year

DMH

Signed on 2020/05/11 15:52:56 -5:00

Official administering oath

Dean M. Hindenlang, Notary Public

Print Name and Title

My commission expires on December 19, 2022



## JURAT CERTIFICATE

State of Ohio, County of Franklin

Sworn to or affirmed and subscribed before me by Zaid Azmathullah Shaikh (name of person making oath/affirmation) on this date of 05/11/2020 (date).

(Notary Seal)



05/11/2020

Signature of Notary Public – State of Ohio  
Dean M. Hindenlang, Notary Public

My Commission Expires: December 19, 2022  
Commission No.: 2017-RE-686822





### Self Direct Project Overview & Commitment

The Public Utility Commission of Ohio (PUCO) will soon review your application for participation in AEP Ohio's Energy Efficiency/Peak Demand Response program. Based on your submitted project, please select by initialing one of the two options below, sign and fax to 877-607-0740.

Customer Name	TARGET		
Project Number	AEP-19-25380		
Customer Premise Address	55 GRACELAND BLVD, COLUMBUS, OH 43214-7508		
Customer Mailing Address	301 Plainfield Road, Suite 310, Syracuse, NY 13212		
Date Received	1/9/2020		
Project Installation Date	5/25/2019		
Annual kWh Reduction	5,405		
Total Project Cost	\$2,933.28		
Unadjusted Energy Efficiency Credit (EEC) Calculation	\$378.32		
Simple Payback (yrs)	17.8		
Utility Cost Test (UCT) for EEC	5.39		
Utility Cost Test (UCT) for Exemption	0.11		
<i>Please Choose One Option Below and Initial</i>			
Self Direct EEC: 75%	\$283.74	<input checked="" type="checkbox"/>	Initial: <u>CP</u>
EE/PDR Rider Exemption	3 Months (After PUCO Approval)	<input type="checkbox"/>	Initial: _____

Note: This is a one time selection. By selecting EEC, the customer will receive payment in the amount stated above. Selection of EE/PDR rider exemption, will result in the customer not being eligible to participate in any other energy efficiency programs offered by AEP Ohio during the period of exemption. In addition, the term of EE/PDR rider exemption is subject to ongoing review for compliance and could be changed by the PUCO.

If EEC has been selected, will the Energy Efficiency Funds selected help you move forward with other energy efficiency projects? ☒ YES ☐ NO

Note: Exemptions for periods beyond 24 months are subject to look-back or true-up adjustments every year to ensure that the exemption accurately reflects the EEDR savings. Applicants must file for renewal for any exemption beyond 12 months.

#### Project Overview:

The Self Direct (Custom) project that the above has completed and applied is as follows.

Retrofit 108 of GE LED Refrigeration Case Lights with Philips LED Lights

The documentation that was included with the application proved that the energy measures applied for were purchased and installed.

By signing this document, the Mercantile customer affirms its intention to commit and integrate the above listed energy efficiency resources into the utility's peak demand reduction, demand response, and energy efficiency programs. By signing, the Mercantile customer also agrees to serve as a joint applicant in any filings necessary to secure approval of this arrangement by the Public Utilities Commission of Ohio, and comply with any information and compliance reporting requirements imposed by rule or as part of that approval.

Columbus Southern Power Company

By: [Signature]  
Title: Manager  
Date: 04/21/2020

TARGET

DocuSigned by:  
By: [Signature]  
Title: Energy Analyst  
Date: 4/15/2020



# Application Guidelines

Final Applications must be submitted before November 15, 2019 in order to qualify for incentives identified in this application. Please read and follow all the steps below to ensure your application is accepted and processed in a timely manner.

## Step 1. Verify Eligibility

- Customer must have a valid AEP Ohio account.
- Equipment/measure must be installed at facilities served by the AEP Ohio account.
- Project must produce permanent reduction in electrical energy use (kWh).
- All installed equipment must meet or exceed the specifications in the application.
- Please see [Efficient Products for Business, Process Efficiency and New Construction Terms and Conditions](#) or [Self-Direct Terms and Conditions](#) for program rules and regulations.

## Step 2. Complete Applicant Information

- All fields in customer and project information sections must be completed.
- Contractor information must be completed if project is not self-performed.

## Step 3. Complete the Incentive Worksheet(s)

- Find and read specifications related to the project.
- Choose the incentive category on the worksheet based on installed equipment and specifications.
- Complete all fields (fixture description, operating hours, etc.) on the related worksheet.

## Step 4. Sign Customer Agreement

- Read the Terms and Conditions before signing and submitting the application.
- Sign Pre-Approval Agreement and submit the application to reserve funds.
- Sign Final Application Agreement and submit the application after the project is completed to receive funds.
- Complete Third Party Payment Release Authorization ONLY if incentive payment is to be paid to an entity other than AEP Ohio customer listed on the Applicant Information page.

## Step 5. Submit Pre-Approval Application<sup>1</sup>

(For Self-Direct applications, skip to Step 6)

- Submitting a Pre-Approval Application to determine qualification and reserve program funds for a project is strongly recommended.
- All process efficiency projects require pre-approval.
- Complete all fields in Pre-Approval Agreement.
- Pre-Approval Application must be submitted with:
  - Proposed scope of work (type and quantity of old and new equipment must be listed)
  - Specification sheets for all proposed equipment
  - W-9 form
- Submit application via email, fax or mail.
- An inspection may be required during application review; applicants requiring inspection will be contacted for scheduling.

## Step 6. Submit Final Application

- Complete all fields for Final Application Agreement.
- Update the application if measures/equipment differs from pre-application.
- Final Application must be submitted with:
  - Dated and itemized material invoice
  - External labor invoice (if applicable)
  - If Pre-Approval Application was not submitted, include the documents listed on Step 5
  - If the project has a pre-approval, add the project ID number on the top left field on page 2 as the AEP Application Number
- Submit application via email, fax or mail.
- An inspection may be required during application review; applicants requiring inspection will be contacted for scheduling.
- Self-Direct applications require additional steps. Please see the Self-Direct Terms and Conditions for details.

### AEP Ohio Business Incentives Program

700 Morrison Road  
Gahanna, OH 43230  
877-541-3048 | [aepohiosolutions@aep.com](mailto:aepohiosolutions@aep.com)  
Visit our website at [AEPohio.com/solutions](http://AEPohio.com/solutions)

<sup>1</sup>A Pre-Approval Application is not a guarantee of an incentive; the actual incentive will be based on the energy savings and equipment installed as determined in the Final Application. Funds are reserved for 90 days, unless an applicant is granted an extension. The program team reserves the right to contact the customer before the reservation expiration date to ensure that the project is moving forward. If the project is not underway, the reservation may be cancelled. Reserved funds are not transferable to other projects, facilities and/or customers. A waiting list will be established when funds become fully subscribed.



## Applicant Information

**AEP Application Number AEP - \_ \_ - \_ \_ \_ \_**

**Application Type** (Select One)

### CUSTOMER INFORMATION

Business Name \_\_\_\_\_

Taxpayer ID \_\_\_\_\_ - \_\_\_\_\_ W-9 Tax Status (Select One) \_\_\_\_\_

### CUSTOMER MAILING ADDRESS

Contact Name \_\_\_\_\_ Contact Title \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State OH \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Ext. \_\_\_\_\_ Contact Email \_\_\_\_\_

How Did You Hear About the Program? \_\_\_\_\_ AEP OH Energy Advisor \_\_\_\_\_

### PROJECT INFORMATION

Project Name (if applicable) \_\_\_\_\_

Name as It Appears on Utility Bill \_\_\_\_\_

AEP Ohio Account Numbers for this Project \_\_\_\_\_

☐ Check if mailing address and project site address are the same.

Project Site Address \_\_\_\_\_ City \_\_\_\_\_ State OH \_\_\_\_\_ Zip \_\_\_\_\_

Building Type (Select One) \_\_\_\_\_ Shift (Select One) \_\_\_\_\_

Annual Operating Hours \_\_\_\_\_ Building Area (sq. ft.) \_\_\_\_\_

Construction Type (Select One) \_\_\_\_\_ Does the facility have a data center? (Select One) \_\_\_\_\_



## Applicant Information

### CONTRACTOR INFORMATION

Company Name \_\_\_\_\_

Contact Name \_\_\_\_\_ Title of Contact \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State OH Zip \_\_\_\_\_

Phone \_\_\_\_\_ Ext. \_\_\_\_\_ Contact Email \_\_\_\_\_

### PRIMARY CUSTOMER CONTACT INFORMATION

Contact Name \_\_\_\_\_ Title of Contact \_\_\_\_\_

Phone \_\_\_\_\_ Ext. \_\_\_\_\_ Contact Email \_\_\_\_\_

Who should we contact with questions about the application? ☐ Customer ☐ Contractor ☐ Energy Advisor

### Incentive Summary Table

INCENTIVE CATEGORY	TOTAL INCENTIVES
LIGHTING	
HVAC	
MOTORS & DRIVES	
COMPRESSED AIR	
REFRIGERATION/FOOD SERVICE	
MISCELLANEOUS	
PROCESS EFFICIENCY	
NC LIGHTING (SELF-DIRECT ONLY)	
<b>TOTAL INCENTIVES</b>	

AEP Application Number AEP - \_ \_ - \_ \_ \_ \_ \_



## Customer Agreement

### APPLICATION AGREEMENT

By signing this document, I agree to program requirements outlined in the measure specifications, Terms and Conditions for the applicable program and Final Application Agreement. As an eligible customer, I verify the information is correct and request consideration for participation under this program. Furthermore, I concur that I meet all eligibility criteria in order to receive payment under this program.

[Link to Efficient Products for Business/Process Efficiency Terms and Conditions, and Final Application Agreement](#)

[Link to Self-Direct Terms and Conditions, and Final Application Agreement](#)

☐ Pre-Application ☐ Final-Application

Project Completion Year (Select One) \_\_\_\_\_

Self-Direct \_\_\_\_\_

Project Completion Date \_\_\_\_\_

Total Project Cost \_\_\_\_\_

Total Requested Incentive<sup>1</sup> \_\_\_\_\_

Total Self-Direct Requested Incentive<sup>2</sup> \_\_\_\_\_

Print Name

Date

AEP Ohio Customer Signature

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PRINT APPLICATION

<sup>1</sup>Incentives have a threshold of 50% of the project cost and total incentives paid to a threshold of \$25,000 and Bid4Efficiency above that.

<sup>2</sup>Self-Direct incentives are 75% of Total Requested Incentive, after 50% of the project cost threshold and tiering is applied.



## Third Party Payment Release

### THIRD PARTY PAYMENT RELEASE AUTHORIZATION (NOT APPLICABLE TO SELF-DIRECT)

Complete this section **ONLY** if incentives check should be made out in any way other than to the AEP Ohio customer exactly as their name appears on the AEP Ohio account.

**Make checks payable to:** Company/Individual \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State OH Zip \_\_\_\_\_

Phone \_\_\_\_\_ Ext. \_\_\_\_\_

Taxpayer ID of 3rd Party \_\_\_\_\_ - \_\_\_\_\_ W-9 Tax Status \_\_\_\_\_

By signing this document, I authorize the payment of the incentive to the third party named above and understand that I will not receive the incentive payment from AEP Ohio. I also understand that my release of the payment to a third party does not exempt me from the program requirements outlined in the measure specifications, Terms and Conditions, and Final Application Agreement.

**Print Name**

**Date**

**AEP Ohio Customer Signature**



**APPROVED**

## Flexible refrigeration lighting

Philips PrimeSet RDL500 system is a future-proof, energy-saving lighting solution for vertical glass-door refrigerated display cases. PrimeSet RDL500 delivers the next generation of vertical door refrigeration lighting. It offers flexible installation options and may be used with center or side modules in a wide variety of display cases. With a color rendering of 85, it provides excellent visibility of merchandise on display. Energy efficiency and attractive payback times add to the appeal the PrimeSet LED lighting system.

### Features

- Center- and side-lit display case compatibility
- 50,000-hour lifetime<sup>1</sup>
- Integrated optics waterproof to IP65
- 24VDC connector system
- 5-year limited warranty<sup>2</sup>

### Benefits

- Slim design for quick and easy retrofit or new installation
- Eliminates hotspots and provides even distribution of light across the shelves
- Compatible with most occupancy sensors and dimming systems
- Suitable for high moisture environments

Footnotes on page 3.

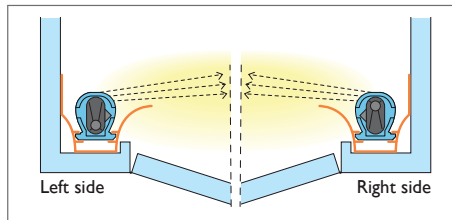
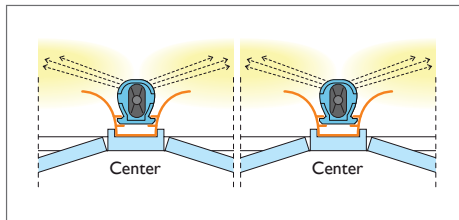
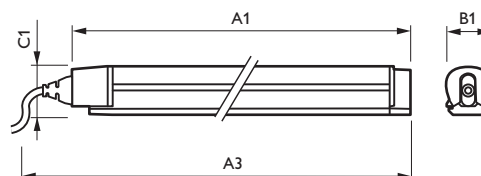
# PrimeSet RDL500 LED System

## LED Fixtures<sup>5</sup>

Description	Color Temp. <sup>4</sup> (K)	Wattage with Center Cable <sup>3</sup> (W)	Wattage with Side Cable <sup>3</sup> (W)	Illuminance <sup>6</sup> (Lux)	Color Rendering Index (CRI)	Dimension (in)				Ordering Code
						A1	A3	B1	C1	
PrimeSet RDL 500 1700 mm (67") 850 G1	5000	13	6.5	1000	85	66.87	67.72	0.81	0.91	9290 008 90106
PrimeSet RDL 500 1700 mm (67") 841 G1	4100	13	6.5	1000	85	66.87	67.72	0.81	0.91	9290 008 90306
PrimeSet RDL 500 1500 mm (59") 850 G1	5000	12	6	1000	85	59.01	59.84	0.81	0.91	9290 008 90506
PrimeSet RDL 500 1500 mm (59") 841 G1	4100	12	6	1000	85	59.01	59.84	0.81	0.91	9290 008 90706
PrimeSet RDL 500 1200 mm (47") 841 G1	4100	10	5	1000	85	47.16	48.03	0.81	0.91	9290 008 91106

## LED Mounting Extrusions

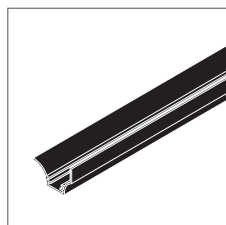
Type	Quantity Needed (per module)	Ordering Code
PrimeSet RDL 67" center mounting extrusion	1	9290 008 94606
PrimeSet RDL 67" side mounting extrusion	1	9290 008 95306
PrimeSet RDL 59" center mounting extrusion	1	9290 008 94506
PrimeSet RDL 59" side mounting extrusion	1	9290 008 95206
PrimeSet RDL 47" center mounting extrusion	1	9290 008 97706
PrimeSet RDL 47" side mounting extrusion	1	9290 008 97806



The PrimeSet RDL500 fixture can be configured for side-lit or center-lit applications based upon whether the PrimeSet center cable or side cable is used. This feature makes PrimeSet the flexible choice in refrigeration lighting.



Center Extrusion



Side Extrusion

# PrimeSet RDL500 LED System

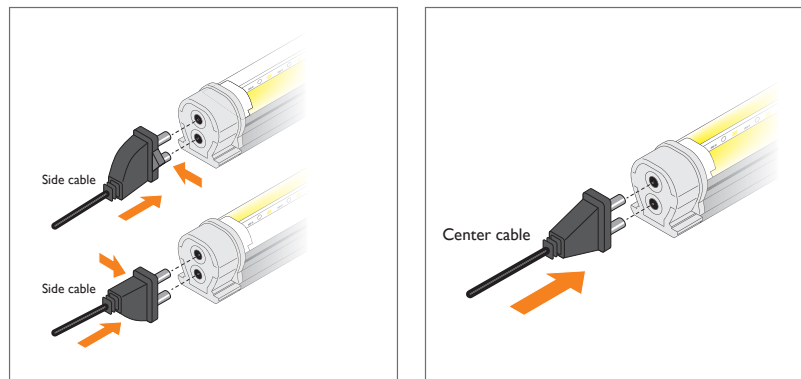
## Cable

Type	Function	Ordering Code
PrimeSet RDL Center cable 39"	Activate both sides (for center door frame)	9290 008 92706
PrimeSet RDL Side cable 39"	Activate one side (for end door frame)	9290 008 92806

## LED Power Supplies

Type	Ordering Code
Xitanium LED power driver 100W - 24VDC	LED120A0024V41RD

Note: The LED driver should not be loaded beyond 80% of its rated maximum power.



The PrimeSet RDL500 design allows the beam to be thrown from the left or right side in a side-lit configuration. The triangular tip on the connector determines which side will be lit. In a PrimeSet RDL500 center-lit configuration, the beam is thrown from both sides.

### Footnotes:

1. The lifetime of the modules (in combination with an Xitanium LED power driver) is rated at 50,000 hours.
  2. See [www.philips.com/ledmodulesna](http://www.philips.com/ledmodulesna) and click on the appropriate product for complete warranty details.
  3. Values for nominal power levels can deviate by 20%, measured at -4° F (-20° C). Due to insufficient data points the values are best estimations.
  4. CCT values can deviate ±10%.
  5. Photometric testing available consistent with IES LM-79.
  6. Lighting levels are measured by a CCD camera at the center of the shelf at the center-most door of the case with a 6 inch distance between the back of the module and the front of the merchandise. These measurements were taken at in-store lighting level conditions. Values for nominal power and lighting levels can deviate by 20%, measured at -4° F (-20° C). Due to insufficient data points the values are best estimations.
- ‡ Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products. For products used in North America compliance to RoHS is voluntary and self-certified.
- † DLC requires the product to meet specific performance requirements regarding: lumen output, spacing criteria, lumens per watt, color temperature, CRI, lifetime and warranty.

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PLT-1415BN 11/14 [philips.com](http://philips.com)



Philips Lighting, North America Corporation  
200 Franklin Square Drive, Somerset, NJ 08873  
Tel. 855-486-2216

Imported by: Philips Lighting,  
A division of Philips Electronics Ltd.  
281 Hillmount Rd, Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008

Model# 929000890706; Primeset RDL 500 1500mm(59) 841 G1



**Manufacturer:** Philips Lighting North America Corporation (Rosemont)  
**Brand:** Philips Lighting North America Corporation  
**Technical Requirements Version:** 4.3  
**Date Qualified:** 09/15/2017  
**Product ID:** PB9RENPL

#### Categorization

**Main:** Indoor Luminaires  
**General Application:** Case Lighting  
**Primary Use:** Vertical Refrigerated Case Luminaires

**Classification:** standard  
**Is Parent Product:** No  
**DLC Family Code:** KKLACK  
**Listing Status:** Listed  
**Notes:**

[Hide Notes](#)

Reported Data

Zonal Lumens

Spacing Criteria

Product Features

Version History

Family Data

**Light Output:** 1155.6 lm

**Wattage:** 12 W

**Efficacy:** 96.3 lm/W

**Power Factor:** 0.975

**CCT:** 4100 K

**CRI:** 85

**Total Harmonic Distortion:** 12.5 %

GE  
Lighting Solutions

# EXISTING GEN4 LED SPEC

## IMMERSION™ LED Refrigerated Display Lighting

Vertical Cases  
RV40 Series



# Achieve Your Best Case Scenario

Immersion™ RV40 LED Refrigerated Display Lighting helps retailers cut annual operating costs while enhancing the visual appeal of products in vertical refrigerated cases. The perfect replacement for fluorescent, Immersion efficiently delivers bright, uniform light across package facings, while significantly reducing energy consumption and maintenance expenses. Retailers are losing money every day they wait to replace inefficient fluorescent lighting in their refrigerated cases—really making the case to switch to GE's money saving Immersion RV40 LED System.



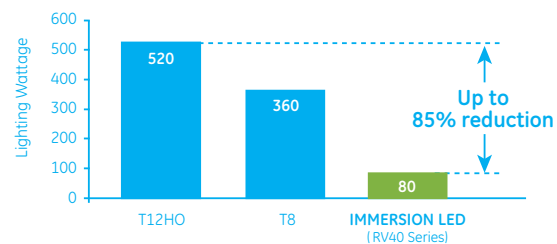
## Impressive Energy Savings

### Direct energy savings up to 85%

The Immersion RV40 system operates on as little as 16 watts of energy per door, reducing case lighting energy consumption by up to 85% compared to T12HO fluorescent systems. This system is dimmable and is also compatible with occupancy sensors for even greater energy savings.

#### Lighting System Wattage

5-door case example  
(60-inch light fixtures)

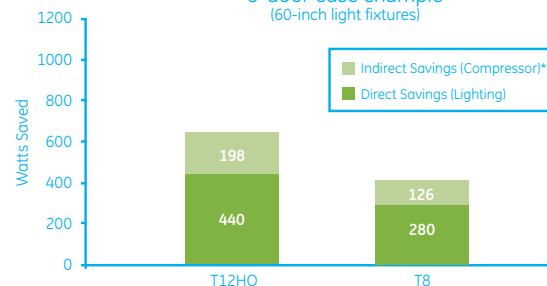


### Additional indirect energy savings

On top of the direct energy savings achieved from the case lighting, for every watt of light reduced inside the refrigerated case, the compressor doesn't need to work as hard to remove the heat. This provides the retailer with additional indirect energy savings.

#### Immersion Wattage Savings

5-door case example  
(60-inch light fixtures)



\*Compressor savings are dependent on case temperature and design.

### Lower CO<sup>2</sup> emissions and waste

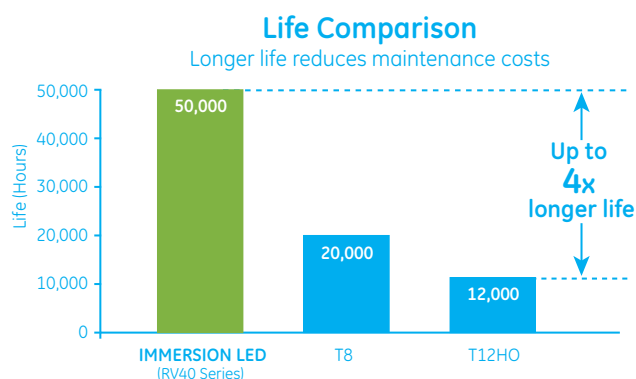
Immersion RV40 efficiently uses less energy, reducing CO<sup>2</sup> emissions. Its robust design does not contain any mercury, lead or glass, making handling and disposal less of a concern. Additionally, this system has no UV or infrared and is both RoHS and NSF compliant, providing an optimal selling environment for food products.



## Lower Maintenance Expenses

### Up to 4x longer life than fluorescent

Immersion RV40 has a rated life of 50,000 hours—that's up to 4 times longer than traditional fluorescent systems. And unlike fluorescent tubes, the Immersion LED system does not require time to warm up and experiences no reduction of life from turning on and off in cold environments. This superior performance and reliability is backed by a 5-year limited warranty.



### Save on relamping costs

Immersion's 50,000 hour rated life provides retailers with over 5.7 years of 24-hour operation without having to change a lamp. The elimination of annual fluorescent lamp replacement offers retailers significant maintenance cost savings and eases the hassle and expense associated with the storage and disposal of fluorescent tubes.

## Greater Visual Appeal

### Bright, more uniform look across package facings

Immersion's innovative optic design, keeps light directed on the shelf, where it belongs, not wasted on the glass doors and floor. Cases achieve higher average lux levels and more uniform light distribution across the package facings. The light source remains hidden, significantly reducing distracting glare and light spill—making aisles feel larger and more spacious. Available in multiple lengths and color temperatures, retailers can easily create the right look for their stores.

### Making the case to switch...

If a retailer replaces T8 fluorescent lamps with Immersion RV40 in 100 refrigerated case doors in each of its 50 stores, each year it will achieve:

- Energy savings of nearly \$400,000
- Significant maintenance cost savings
- Improved product visibility
- CO<sub>2</sub> emissions reduced by >1,400 metric tons ...that's equal to planting >400 acres of trees

Product Code (Single)	Product Code (10-Pack)	Description	Item	Color Temp (K)*	Lumens**	LPW	PERFORMANCE DATA				Power (Watts)***	DIMENSIONAL DATA			
							Lumens Per ft (m)	Life (Hours)	CRI (Typical)	Length (L)		Width (W)	Depth (D)		
5000K	65602	65605	GELT404850CTR-SY, -SB	48" LED Light - Center	5000	872	74.5	218 715	50,000	75	11.7	(inch) (mm)	48.50 1232.4	2.60 65.5	1.30 32.5
	65603	65606	GELT404850EDR-SY, -SB	48" LED Light - Right End	5000	477	78.2	119	50,000	75	6.1	(inch)	48.50	2.10	1.60
	65604	65607	GELT404850EDL-SY, -SB	48" LED Light - Left End				390				(mm)	1232.4	52.3	40.4
	79741	79744	GELT406050CTR-SY, -SB	60" LED Light - Center	5000	1070	66.9	214 702	50,000	75	16	(inch) (mm)	60.3 1532	2.58 65.5	1.28 32.5
	79742	79745	GELT406050EDR-SY, -SB	60" LED Light - Right End	5000	650	81.3	130	50,000	75	8	(inch)	60.3	2.06	1.59
	79743	79746	GELT406050EDL-SY, -SB	60" LED Light - Left End				427				(mm)	1532	52.4	40.4
	79759	79762	GELT407050CTR-SY, -SB	70" LED Light - Center	5000	1268	65.7	227 744	50,000	75	19.3	(inch) (mm)	70.75 1797.1	2.58 65.5	1.28 32.5
	79760	79763	GELT407050EDR-SY, -SB	70" LED Light - Right End	5000	739	78.9	132	50,000	75	10	(inch)	70.75	2.06	1.59
	79761	79764	GELT407050EDL-SY, -SB	70" LED Light - Left End				434				(mm)	1797.1	52.4	40.4
4000K	65608	65611	GELT404840CTR-SY, -SB	48" LED Light - Center	4000	806	68.9	202 663	50,000	80	11.7	(inch) (mm)	48.50 1232.4	2.60 65.5	1.30 32.5
	65609	65612	GELT404840EDR-SY, -SB	48" LED Light - Right End	4000	441	72.3	110	50,000	80	6.1	(inch)	48.50	2.10	1.60
	65610	65613	GELT404840EDL-SY, -SB	48" LED Light - Left End				361				(mm)	1232.4	52.3	40.4
	79747	79750	GELT406040CTR-SY, -SB	60" LED Light - Center	4000	1070	59	213 698	50,000	80	18	(inch) (mm)	60.3 1532	2.58 65.5	1.28 32.5
	79748	79751	GELT406040EDR-SY, -SB	60" LED Light - Right End	4000	650	72	129	50,000	80	9	(inch)	60.3	2.06	1.59
	79749	79752	GELT406040EDL-SY, -SB	60" LED Light - Left End				424				(mm)	1532	52.4	40.4
	79765	79768	GELT407040CTR-SY, -SB	70" LED Light - Center	4000	1213	62.8	217 712	50,000	80	19.3	(inch) (mm)	70.75 1797.1	2.58 65.5	1.28 32.5
	79766	79769	GELT407040EDR-SY, -SB	70" LED Light - Right End	4000	695	69.5	124	50,000	80	10	(inch)	70.75	2.06	1.59
	79767	79770	GELT407040EDL-SY, -SB	70" LED Light - Left End				408				(mm)	1797.1	52.4	40.4
3500K	65614	65617	GELT404835CTR-SY, -SB	48" LED Light - Center	3500	753	64.4	188 617	50,000	80	11.7	(inch) (mm)	48.50 1232.4	2.60 65.5	1.30 32.5
	65615	65618	GELT404835EDR-SY, -SB	48" LED Light - Right End	3500	416	68.2	104	50,000	80	6.1	(inch)	48.50	2.10	1.60
	65616	65619	GELT404835EDL-SY, -SB	48" LED Light - Left End				341				(mm)	1232.4	52.3	40.4
	79753	79756	GELT406035CTR-SY, -SB	60" LED Light - Center	3500	1055	58.6	211 692	50,000	80	18	(inch) (mm)	60.3 1532	2.58 65.5	1.28 32.5
	79754	79757	GELT406035EDR-SY, -SB	60" LED Light - Right End	3500	589	65.4	118	50,000	80	9	(inch)	60.3	2.06	1.59
	79755	79758	GELT406035EDL-SY, -SB	60" LED Light - Left End				386				(mm)	1532	52.4	40.4
	79771	79774	GELT407035CTR-SY, -SB	70" LED Light - Center	3500	1148	59.5	205 674	50,000	80	19.3	(inch) (mm)	70.75 1797.1	2.58 65.5	1.28 32.5
	79772	79775	GELT407035EDR-SY, -SB	70" LED Light - Right End	3500	649	64.9	116	50,000	80	10	(inch)	70.75	2.06	1.59
	79773	79776	GELT407035EDL-SY, -SB	70" LED Light - Left End				381				(mm)	1791.1	52.4	40.4

\*Color temp (CCT) +/- 10%

\*\*Based on typical in-store performance.

\*\*\*System watts Typ AC based on Typical in-store performance.

## Accessories

Product Code (Single)	Description	Item	DIMENSIONAL DATA		
			Length (L)	Width (W)	Depth (D)
79813	GEPS4000NCMUL-SY	LED Driver	(inch)	10.75	1.65
			(mm)	273	42
79814	GE-CV-4060CTR	Wire Cover	(inch)	1.77	1.42
			(mm)	45.01	36

Conforms to the following standards:       This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

 This Class [A] RFLD complies with the Canadian standard ICES-005. Ce DEFR de la classe [A] est conforme à la NMB-005 du Canada.



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1-888-69-43-533

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**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**6/18/2020 8:42:22 AM**

**in**

**Case No(s). 20-0676-EL-EEC**

Summary: Application - Target and Ohio Power Company for approval of a special arrangement agreement with a mercantile customer electronically filed by Tanner Wolfram on behalf of Ohio Power Company