AEP OHIO
An AEP Company
BOUNDLESS ENERGY™

American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

Legal Department

January 24, 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**	)	
City of Newark	)	
and Ohio Power Company	)	**Case No. 20-0023-EL-EEC**
for Approval of a Special Arrangement	)	
Agreement with a Mercantile Customer	)	

Tanner Wolffram
Legal Fellow
Regulatory Services
(614) 716-2914 (T)
tswolffram@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 Wolffram
Attachment

Ohio | Public Utilities Commission

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

Case No.: 20-0023-EL-EEC

Mercantile Customer: THE CITY OF NEWARK

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.

Section 1: Company Information

Name: THE CITY OF NEWARK

Principal address: 1195 East Main Street, Newark OH 43055

Address of facility for which this energy efficiency program applies: 1003 E Main St,

Newark OH 43055

Name and telephone number for responses to questions:

B.J. Varner, The City Of Newark, (740) 670-7739

Electricity use by the customer (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, 5/26/2017 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: 15,729 kWh

See Confidential and Proprietary Attachment 5 - Self Direct Program Project Calculation for annual energy savings calculations and 10-1599-EL-EEC for the work papers that provide all methodologies, protocols, and practices used in this application for prescriptive 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))

.0 kW

See Confidential and Proprietary Attachment 5 - Self Direct Program Project Calculation for peak demand reduction calculation, and 10-1599-EL-EEC for the work papers that provide all methodologies, protocols, and practices used in this application for prescriptive 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 are seeking is:

Option 1: A cash rebate reasonable arrangement, which is the lesser of (show both amounts):

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

OR

☒ A cash rebate valued at no more than 50% of the total project cost, which is equal to $ 708.75. (Attach documentation 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: 4.77 (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 $ 3,833.21

The utility's program costs were $ 94.37

The utility's incentive costs/rebate costs were $ 708.75.

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 10-1599-EL-EEC for the work papers that provide all methodologies, protocols, and practices used in this application for prescriptive 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 confidentially 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 prescriptive project and energy savings are determined as described in Confidential and Proprietary Attachment 5 - Self Direct Program Project Calculation, and 10-1599-EL-EEC for the work papers that provide all methodologies, protocols, and practices used in this application for prescriptive measures, as needed.

Ohio | Public Utilities Commission

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

Case No.: 20-0023-EL-EEC

State of Ohio :

Zaid 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.

Energy Engineer
Signature of Affiant & Title

Sworn and subscribed before me this 14 day of November, 2019 Month/Year

Linda M. Schmidt
Signature of official administering oath

LINDA M. SCHMIDT
Print Name and Title

My commission expires on 7-31-2022

NOTARIAL SEAL STATE OF OHIO

LINDA M. SCHMIDT
Notary Public, State of Ohio
My Commission Expires 7-31-2022

AEP OHIO
A unit of American Electric Power

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	THE CITY OF NEWARK	
Project Number	AEP-19-25451	
Customer Premise Address	1003 E MAIN ST, NEWARK, OH 43055	
Customer Mailing Address	1195 East Main Street, NEWARK, OH 43055	
Date Received	3/26/2019	
Project Installation Date	5/26/2017	
Annual kWh Reduction	15,729	
Total Project Cost	$3,550.00	
Unadjusted Energy Efficiency Credit (EEC) Calculation	$945.00	
Simple Payback (yrs)	0.2	
Utility Cost Test (UCT) for EEC	4.77	
Utility Cost Test (UCT) for Exemption	0.05	
		Please Choose One Option Below and Initial
Self Direct EEC: 75%	**$708.75**	[X] **Initial:** BV
EE/PDR Rider Exemption	**5 Months (After PUCO Approval)**	[ ] **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?

__X__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 (Prescriptive) project that the above has completed and applied is as follows.

Replace 10 400W MH with 10 D480LE55U Fixtures

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.

Ohio Power Company

Title: Manager

Date: 10/18/2019

THE CITY OF NEWARK

By: BJ Varner

Title: Asst. Superintedent

Date: 10/18/2019

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[1]

(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
Visit our website at AEPohio.com/solutions

[1]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 OHIO
An AEP Company

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

AEP OHIO
An AEP Company

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)	
TOTAL INCENTIVES	

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

Customer Agreement

An AEP Company

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[1] _____ **Total Self-Direct Requested Incentive**[2] _____

Print Name	Date	AEP Ohio Customer Signature
_____	_____	_____

PRINT APPLICATION

[1]Incentives have a threshold of 50% of the project cost and total incentives paid to a threshold of $25,000 and Bid4Efficiency above that.
[2]Self-Direct incentives are 75% of Total Requested Incentive, after 50% of the project cost threshold and tiering is applied.

Third Party Payment Release

AEP OHIO
An AEP Company

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**
_____	_____	_____

D4 LED POST TOP RETROFIT-GEN II OTHER

Cost Savings • Easy to Install • Performance to Lighting Standards • Environmentally Friendly

DESCRIPTION

The proven D4 LED Post Top Retrofit kit is a universal low cost replacement for high cost HID light sources in decorative fixtures. The D4 is designed as an easy yet reliable way to convert existing fixtures to meet lighting standards required in most environments, and for environmentally conscientious users wishing to eliminate mercury, reduce carbon footprint, and light pollution. This system has been thoroughly tested to the most demanding industry standards including LM-79, LM-80, In-Situ, TM-21, surge testing to UL 1449 3rd edition and more.

APPROVED

KEY BENEFITS

- Quick and easy retrofit
- True white light, large coverage area
- Reduces energy consumption by up to 80%
- Reduces labor costs by up to 75%
- Mercury free and lead free (RoHS compliant)
- Easy to install and service
- Available in 30w, 40w, 60w, 65HO, and 80w versions up to 9100 lumens
- Available in 2200K, 3000K, 4000K or 5000K, Type 3, or Type 5 Distributions
- Up to 30' mounting height
- Designed to UL 1598 and UL 1449 3rd Edition
- All components are IP66 rated
- Available in standard, dimming, programmable, and more
- 5 year warranty (extended warranty available)

CRI>70

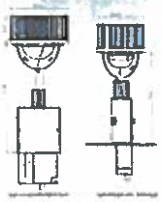
SPECIFICATIONS

Rated Life
100,000+ Hrs Rated System Life
90% Lumen Maintenance at 100,000 Hrs

Testing
IESNA LM-79
IESNA LM-80
InSitu Thermal
Energy Star TM-21
Surge & Transient Tested
100% Production Test and Inspect

Listing
IP66 Rated Components
Designed to UL1449 3rd Edition I UL1598
UL Drivers
Complies with IEEE C62.41
FCC Part 15 Class A
Listed to UL1598C

APPLICATION



Mid Mount

Grandville Classic

Full Enclosure

Socket Mount

D4 Installation

Electrical
30w .25A, 40w .32A, 60w .48A, 60w .54A, 80w .64A at 120 VAC
36 kV Surge Suppression
> 95% Power Factor Corrected
< 20% Total Harmonic Distortion
-40C to +40C Ambient Operating Temp
Universal 120-277 VAC
Thermal Overload Protected
Electrical Short / Overload Protected

Shipping Information
Ships from Michigan Mfg Plant
Unit Weight= 5.8-7.7 lbs

US Facility Production
US Engineering

UTILITY LIGHTING

Made in the USA

MATECH LIGHTING SYSTEMS
20 YEARS OF SOLID STATE EXCELLENCE
900 E. Main Street
Middleville, MI 49333

D4 LED POST TOP RETROFIT- GEN II

Cost Savings • Easy to Install • Performance to Lighting Standards • Environmentally Friendly

D4 PRODUCT MATRIX

P/N Format: D4 - (style)(watts) - (cct)K - T(type)M - (mounting) - (dimming)

Example: D4 - F60 - 30K - T5M - 6S - STD

Full Enclosure Kit

Style	Watts	CCT	Type	Mounting	Dimming	Mounting Code Details
D4-F	30	22K	T5M	6S	STD	*Universal 6.25" plate*
D4-F	40	30K	T3M	6S	DIM	*Universal 6.5" plate*
D4-F	60	40K		7S	PXYZ#	*Universal 7" plate*
D4-F	80	50K		8N	DALI	*Universal 8" plate*
				C###		*Other custom configurations*

Typical Application. Generic shallow fitter where ballast was mounted under cover above fitter

Mid Mount Kit

Style	Watts	CCT	Type	Mounting	Dimming	Mounting Code Details
D4-M	30	22K	T5M	CHBTL	STD	*Hadco B Twistlock*
D4-M	40	30K	T3M	CHBSP	DIM	*Hadco B Pin & Screw*
D4-M	60	40K		CSBSC	PXYZ#	*Stamberg Spring Clips*
D4-M	80	50K		CSBTL	DALI	*Stamberg Twistlock*
				C###		*Other custom configurations*
				6XX		*Universal Plates above also applicable*

Typical Application. Deeper fitters such as petal style where ballast was mounted into fitter by top plate/cover

Socket Replacement Kit

Style	Watts	CCT	Type	Mounting	Dimming	Mounting Code Details
D4-S	30	22K	T5M	CSCKT	STD	*Mogul Socket Replacement Extrusion*
D4-S	40	30K	T3M	CSDO1	DIM	*Metal Standoff 1" High holds Extrusion*
D4-S	60	40K		C###	PXYZ#	*Other custom configurations*
D4-S	80	50K			DALI	

Typical Application Cast top cover fitters where socket must be replaced. Power supply mounts below that casting

Granville Classic Kit

Style	Watts	CCT	Type	Mounting	Dimming	Mounting Code Details
D4-H	30	22K	T5M	CGVC7	STD	*Granville Classic 7" Fitter or 4" Fitter*
D4-H	40	30K	(T3M - HA)	HGVC7	DIM	*"H" prefix is high output version*
D4-H	60	40K			PXYZ#	
	(80 HA)	50K			DALI	

Typical Application Specific configuration for mounting in Granville Classic 7" and 4" fitters with 19" glass globes
One piece assembly

Granville Premier Kit

Style	Watts	CCT	Type	Mounting	Dimming	Mounting Code Details
D4-H	30	22K	T5M	CGPCS	STD	*Granville Premier w/ Photo Control Socket*
D4-H	40	30K	(T3M - HA)	CGPNS	DIM	*Granville Premier w/o Photo Control Socket*
D4-H	60	40K			PXYZ#	
	(80 HA)	50K			DALI	

Typical Application. Specific configuration for mounting in Granville Premier fitters with 19" glass globes.
Two piece assembly

OEM Components Kit

Style	Watts	CCT	Type	Mounting	Dimming	Mounting Code Details
D4-C	30	22K	T5M	COEM1	STD	*OEM Customer, configuration 1*
D4-C	40	30K	T3M	CCC01	DIM	*OEM Customer CC, configuration 1*
D4-C	60	40K		CCC02	PXYZ#	*OEM Customer CC configuration 2*
D4-C	80	50K		C###	DALI	*Other custom configurations*

Typical Application LED Light Engine and Power supply only OEM provides light engine mount.

3/10/17

ORDERING INSTRUCTIONS

	Product Family		Mount Style (blank)	Wattage		Color Temp (CCT)		Distri-bution Type		Fixture Designator		STD/ Dimming
Ordering Instructions:	D4	-	M	60	-	40K	-	T5M	-	CAEC1	-	STD

Resulting P/N: D4 - M60 - 40K - T5M - CAEC1 - STD

Description: D4, Mid Mount, 60 watt, 4000K CCT, Type 5 medium distribution, AEL Contempo version, Standard driver

UTILITY LIGHTING

Made in the USA

MATECH LIGHTING SYSTEMS
20 YEARS OF SOLID STATE EXCELLENCE
900 E. Main Street
Middleville, MI 49333

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