



Case No.: 12-2735-EL-EEC

Mercantile Customer: Cincinnati Public Schools (SCPA)

Electric Utility: Duke Energy

**Program Title or
Description: Lighting and Motors (Prescriptive)**

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: **Cincinnati Public Schools**

Principal address: **2651 Burnet Avenue Cincinnati, Ohio 45219**

Address of facility for which this energy efficiency program applies:

108 West Central Parkway Cincinnati, Ohio 45202

Name and telephone number for responses to questions:

Grady Reid Jr 513-287-1038

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. (See Attachment 1 - Appendix 1)**
- ☐ 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)).
- ☐ 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):**

August 2010
- ☐ Behavioral or operational improvement.

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

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

Annual savings: _____kWh

- 2) If you checked the box indicating that the customer installed new equipment to replace 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: **153,450 kWh savings**
(Refer to See Attachment 1 - Appendix 2)

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.
-

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?

August 2010

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

112.7 KW (See Attachment 1 - Appendix 2)

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 **\$8,360**. (See Attachment 1 - Appendix 3).

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 (**See Attachment 1 - Appendix 4**)

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 **\$155,638 (See Attachment 1 - Appendix 5)**

The utility's program costs were **\$5,962 (See Attachment 1 - Appendix 6)**

The utility's incentive costs/rebate costs were **\$8,360 (See Attachment 1 - Appendix 3)**

Section 7: Additional Information

Please attach the following supporting documentation to this application:

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

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

- 1) any confidentiality requirements associated with the agreement;
- 2) a description of any consequences of noncompliance with the terms of the commitment;
- 3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;
- 4) permission by the customer to the electric utility and Commission staff and consultants to measure and verify energy savings and/or peak-demand reductions resulting from your program; and,
- 5) a commitment by the customer to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.

Refer to Rebate 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.



DUKE ENERGY
Mercantile Self Direct Program
139 East Fourth Street
Cincinnati, OH 45202
513 629 5572 fax

October 1, 2012

Mr. Don Elbe
Cincinnati Public Schools - SCPA
2651 Burnet Avenue
Cincinnati, Ohio 45219

Subject: Your Application for a Duke Energy (Prescriptive) Mercantile Self-Direct Rebate

Dear Mr. Elbe:

Thank you for your Duke Energy Mercantile Self Direct rebate application. As noted in the Energy Conservation Measure (ECM) chart on page two, a total rebate of \$8360.00 has been proposed for your motors and lighting projects completed in the August 2010 calendar year. **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 two
- completing the PUCO-required affidavit on page three.

Please return the documents to my attention via fax at 513-629-5572 or e-mail to SelfDirect@Duke-Energy.com. Upon receipt, Duke Energy will submit the necessary documentation to PUCO. Following PUCO's approval, Duke Energy will remit payment.

At Duke Energy, 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 'Grady Reid, Jr.'.

Grady Reid, Jr
Product Manager
Mercantile Self Direct Rebates

cc: Mike Heath, Duke Energy
Rob Jung, WECC
Lucas Dixon, PlugSmart

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

☒ Rebate is accepted.

☐ Rebate is declined.

By accepting this rebate, Cincinnati Public Schools 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, Cincinnati Public Schools 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, Cincinnati Public Schools 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

If rebate is declined, please indicate reason (optional):

Don Elbe

Don Elbe

10-1-12

Customer Signature

Printed Name

Date

Proposed Rebate Amounts

Measure ID	Energy Conservation Measure (ECM)	Proposed Rebate Amount
ECM-1	Motors 1 – 5 HP (Qty – 6)	\$120.00
ECM-2	Motors 7.5 – 20 HP (Qty – 4)	\$220.00
ECM-3	Motors 25 – 100 HP (Qty – 6)	\$600.00
ECM-4	Occupancy Sensor <500W (Qty – 218)	\$2180.00
ECM-5	Occupancy Sensor >500W (Qty – 262)	\$5240.00
Total		\$8360.00



**Public Utilities
Commission**

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

Case No.: ____ - ____ -EL-EEC

State of Ohio :

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

1. I am the duly authorized representative of:

Cincinnati Public Schools
[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.

Don Elbe Utility Mgmt. Coord.
Signature of Affiant & Title

Sworn and subscribed before me this 1st day of October,
2012 Month/Year

Angela F. Tolle
Signature of official administering oath

Angela F. Tolle, Notary Public
Print Name and Title

My commission expires on Sept 11, 2013

ANGELA F. TOLLE
Notary Public, State of Ohio
My Commission Expires Sept. 11, 2013

Attachment 1 – SCPA

Appendix 1 – Electric History

20903690 01		
CINCINNATI PUBLIC SCHOOLS - SCPA		
108 CENTRAL PKY W		
CINCINNATI, OH 45202		
Date	Days	Actual KWH
7/23/2012	32	286,186
6/21/2012	30	257,698
5/22/2012	29	276,818
4/23/2012	32	257,333
3/22/2012	29	251,050
2/22/2012	29	216,125
1/24/2012	34	228,245
12/21/2011	30	232,810
11/21/2011	31	262,186
10/21/2011	29	259,385
9/22/2011	30	306,658
8/23/2011	29	279,360
Total		3,113,854

Appendix 2 – Annual kWh losses and annual KW losses

Measure	Annual kWh Gross with losses	Upload Amount	TOTAL Annual kWh losses	KW Per Measure	Total KW Savings
Motor - 1-5 hp	120.94	6	725.64	0.03	0.18
Motor - 7.5-20 hp	437.49	4	1749.96	4	16
Motor - 25-100 hp	1132.34	6	6794.04	0.31	1.86
Occupancy Sensor - <500 W	525.15	218	114482.7	0.11	23.98
Occupancy Sensor - >500 W	113.35	262	29697.7	0.27	70.74
Total		496	153450		112.76

Appendix 3 – Cash Rebate

Measure	Amount
Motor - 1-5 hp	\$120
Motor - 7.5-20 hp	\$220
Motor - 25-100 hp	\$600
Occupancy Sensor - <500 W	\$2,180
Occupancy Sensor - >500 W	\$5,240
Total	\$8,360

Appendix 4 – Utility Cost Test

Measure	UCT
Motor - 1-5 hp	3.39
Motor - 7.5-20 hp	2.95
Motor - 25-100 hp	2.93
Occupancy Sensor - <500 W	10.21
Occupancy Sensor - >500 W	12.72

Appendix 5 – Avoided Supply Costs

Measure	T&D	Production	Capacity	Quantity	Total Avoided Costs
Motor - 1-5 hp	\$6.00	\$46.00	\$20.00	6	\$432
Motor - 7.5-20 hp	\$23.00	\$166.00	\$72.00	4	\$1,044
Motor - 25-100 hp	\$60.00	\$429.00	\$186.00	6	\$4,050
Occupancy Sensor - <500 W	\$17.00	\$117.00	\$39.00	218	\$37,714
Occupancy Sensor - >500 W	\$41.00	\$293.00	\$95.00	262	\$112,398
Total				496	\$155,638

Appendix 6 – Utility Program Costs

Measure	Qty	Admin Costs	Total Costs
Motor - 1-5 hp	6	\$9.00	\$54
Motor - 7.5-20 hp	4	\$36.00	\$144
Motor - 25-100 hp	6	\$95.00	\$570
Occupancy Sensor - <500 W	218	\$7.00	\$1,526
Occupancy Sensor - >500 W	262	\$14.00	\$3,668
Total	496		\$5,962

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 1-513-419-5572.

Mercantile customers, defined as using at least 700,000 kWh annually are eligible for the Mercantile Self Direct program. Please indicate mercantile qualification:

- ☐ a single Duke Energy Ohio account
☒ multiple accounts in Ohio (energy usage with other utilities may be counted toward the total)

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

Account Number	Annual Usage	Account Number	Annual Usage
2090-3690-01			

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart Saver® Custom Incentive. Self Direct incentives 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 requirements dictate that certain projects that may be Prescriptive in nature under the Smart Saver program must be evaluated using the Custom process. Use the table on page two as a guide to determine which Self Direct program fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet. Where Mercantile Self Direct Prescriptive applications are listed, please refer to the measure list on that application. If your measure is not listed, you may be eligible for a Self Direct Custom rebate. Self Direct Custom applications, like Smart Saver Custom applications, should include detailed analysis of pre-project and post-project energy usage and project costs. Please indicate which type of rebate applications are included in the table provided on page two.

Please check each box to indicate completion 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.

Application Type	Replaced equipment at end of lifetime or because equipment failed**	Replaced fully operational equipment to improve efficiency***	New Construction
Lighting	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>	MSD Prescriptive Lighting <input checked="" type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>
Heating & Cooling	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>
Chillers & Thermal Storage	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Chillers & Thermal Storage <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Motors & Pumps	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
VFDs	Not Applicable	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>	
Food Service	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Food Service <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Process	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	
Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>
Behavioral*** & No/Low Cost	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>		

** Under the Self Direct program, failed equipment and equipment at the end of its useful life are evaluated differently than early replacement of fully functioning equipment. **All equipment replacements due to failure or old age will be evaluated via the Custom program.**

*** Please ensure that you include the age of the replaced equipment for measures classified as "Early Replacement" in your application as well as the estimated date that you would have otherwise replaced the existing equipment if you had not chosen a more energy efficient option.

**** Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application.

MERCANTILE SELF DIRECT Ohio Lighting Incentive Application

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

Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-419-5572.

Is this application: ☒ **NEW** (original) or ☐ **REVISED** (changes made to original application)

<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input checked="" type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship/Church
<input type="checkbox"/> Food Sales/Grocery	<input type="checkbox"/> Retail (Small Box)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Big Box)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		
How did you learn about this program?		
<input type="checkbox"/> Duke Energy Representative	<input type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input checked="" type="checkbox"/> Contractor / Vendor	<input type="checkbox"/> Other	

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

<input checked="" type="checkbox"/> All sections of application	<input checked="" type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input checked="" type="checkbox"/> Tax ID number for payee	<input checked="" type="checkbox"/> Customer/vendor agree to Terms and Conditions
---	--	---	---

Customer/Business	Cincinnati Public Schools	Contact	Don Elbe
Phone		Account Number	2090-3690-01
Street Address (Where incentive should be mailed)	2651 Burnett Ave		
City	Cincinnati	State	OH Zip Code 45219
Installation Street Address	108 W. Central Parkway		
City	Cincinnati	State	OH Zip Code 45202
E-mail Address			

*Failure to provide the account number associated with the location where the installation took place will result in rejection of the application.

Vendor	Plug Smart	Contact	Lucas Dixon
Phone	614-580-3352	Fax	614-453-5743
Street Address	1275 Kinnear Road Suite 229		
City	Columbus	State	Ohio Zip Code 43212
E-mail Address	lucas.dixon@plugsmart.com		

If Duke Energy has questions about this application, who should we contact? ☐ Customer ☒ Vendor

Who should receive incentive payment?	<input checked="" type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	
	Date	
Provide Tax ID Number for Payee	Customer Tax ID #	31-6000758
	Vendor Tax ID #	26-2368277

I have read and hereby agree to the Terms & Conditions and Program Requirements.

Customer Signature	<i>Don Elbe</i>	Vendor Signature	
Date	7-3-12	Date	
Title	Utility Mgmt. Coord.	Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

NOTE: All Fixtures must be installed indoors, with the exception of Traffic and Pedestrian Signals and where otherwise noted.

Fixtures = Lamps + Ballast Retrofit fixture replacement – 1:1 ratio (except where otherwise indicated)	Ballast and Model Numbers	Incentive per fixture	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
T-12 fixtures replaced by T8 (T8 U tube lamps are eligible for incentives based on the total measured length of the lamp.)							
T8 8ft 2 lamp replacing T12 8ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$3.50		Hrs.			
T8 8ft 1 lamp replacing T12 8ft 1 lamp (retrofit only)	Ballast model# Lamp model #	\$2.50		Hrs.			
T8 4ft 4 lamp replacing T12 4ft 4 lamp (retrofit only)	Ballast model# Lamp model #	\$5.50		Hrs.			
T8 4ft 3 lamp replacing T12 4ft 3 lamp (retrofit only)	Ballast model# Lamp model #	\$4.50		Hrs.			
T8 4ft 2 lamp replacing T12 4ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$2.00		Hrs.			
T8 4ft 1 lamp replacing T12 4ft 1 lamp (retrofit only)	Ballast model# Lamp model #	\$1.50		Hrs.			
T8 3ft 4 lamp replacing T12 3ft 4 lamp (retrofit only)	Ballast model# Lamp model #	\$5.00		Hrs.			
T8 3ft 3 lamp replacing T12 3ft 3 lamp (retrofit only)	Ballast model# Lamp model #	\$3.25		Hrs.			
T8 3ft 2 lamp replacing T12 3ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$2.00		Hrs.			
T8 3ft 1 lamp replacing T12 3ft 1 lamp (retrofit only)	Ballast model# Lamp model #	\$1.50		Hrs.			
T8 2ft 4 lamp replacing T12 2ft 4 lamp (retrofit only)	Ballast model# Lamp model #	\$3.00		Hrs.			
T8 2ft 3 lamp replacing T12 2ft 3 lamp (retrofit only)	Ballast model# Lamp model #	\$2.10		Hrs.			
T8 2ft 2 lamp replacing T12 2ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$2.00		Hrs.			
T8 2ft 1 lamp replacing T12 2ft 1 lamp (retrofit only)	Ballast model# Lamp model #	\$1.50		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All fluorescent fixtures shall utilize electronic ballast and T-8 lamps.
- Ballasts shall have a power factor greater than 90%.
- Ballasts, harmonic distortion shall not exceed 20%. For 8-foot fluorescent ballasts, the total harmonic distortion shall not exceed 30%.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors (heated and cooled enclosed space).
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- High lumen lamp and low ballast factor ballast combinations are expected.
- Eligible T8 High Bays must have specular/mirror like or white reflectors and fixture efficiency must be >90%.
- *Manufacturers spec sheet is required and must indicate that it is a High Bay fixture and the fixture efficiency is > than 90%. If spec sheet does not list efficiency, a photometric report will be required that indicates total fixture (Luminaire) efficiency rating or the 0-180 degree of lamp rating included in the zonal lumen summary chart.*
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

NOTE: All Fixtures must be installed indoors, with the exception of Traffic and Pedestrian Signals and where otherwise noted.

Fixtures = Lamps + Ballast Retrofit fixture replacement – 1:1 ratio (except where otherwise indicated)	Ballast and Model Numbers	Incentive per fixture	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
T-12 fixtures replaced by T8 (T8 U tube lamps are eligible for incentives based on the total measured length of the lamp.)							
T8 HO 8ft 1 lamp replacing T12 HO 8ft 1 lamp (retrofit only)	Ballast model# Lamp model #	\$5.00		Hrs.			
T8 HO 8ft 2 lamp replacing T12 HO 8ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$7.00		Hrs.			
T8 HB 4ft 3L replacing 150-249W HID(retrofit only)	Ballast model# Lamp model #	\$15.00		Hrs.			
T8 HB 4ft 4L a replacing 250-399W HID(retrofit only)	Ballast model# Lamp model #	\$20.00		Hrs.			
T8 HB 4ft 6L replacing 400-999W HID (retrofit only)	Ballast model# Lamp model #	\$25.00		Hrs.			
T8 HB 4ft 8L replacing a 400-999W HID(retrofit only)	Ballast model# Lamp model #	\$20.00		Hrs.			
2 fixtures – T8 HB 4ft 8 Lamp (32W) replacing 1,000 W HID (2 for 1 replacement (retrofit only)	Ballast model# Lamp model #	\$60.00		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All fluorescent fixtures shall utilize electronic ballast and T-8 lamps.
- Ballasts shall have a power factor greater than 90%.
- Ballasts, harmonic distortion shall not exceed 20%. For 8-foot fluorescent ballasts, the total harmonic distortion shall not exceed 30%.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors (heated and cooled enclosed space).
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- High lumen lamp and low ballast factor ballast combinations are expected.
- Eligible T8 High Bays must have specular/mirror like or white reflectors and fixture efficiency must be >90%.
- *Manufacturers spec sheet is required and must indicate that it is a High Bay fixture and the fixture efficiency is > than 90%. If spec sheet does not list efficiency, a photometric report will be required that indicates total fixture (Luminaire) efficiency rating or the 0-180 degree of lamp rating included in the zonal lumen summary chart.*
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Fixtures = Lamps + Ballast <i>Fixtures must be permanently retrofitted to the lamp count specified. Reflectors may be utilized to maintain necessary lighting levels.</i>		Incentive per fixture	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
T-12 fixtures replaced by T8 with delamping							
T8 8ft 1 lamp replacing T12 8 ft 2 lamp (retrofit only)*	Ballast model#	\$5.00		Hrs.			
	Lamp model #						
T8 4ft 2 lamp replacing T12 4ft 3 lamp (retrofit only)*	Ballast model#	\$2.50		Hrs.			
	Lamp model #						
T8 4ft 1 lamp replacing T12 4ft 2 lamp (retrofit only)*	Ballast model#	\$2.50		Hrs.			
	Lamp model #						
T8 3ft 3 lamp replacing T12 3ft 4 lamp (retrofit only)*	Ballast model#	\$2.00		Hrs.			
	Lamp model #						
T8 3ft 2 lamp replacing T12 3 ft 3 lamp (retrofit only)*	Ballast model#	\$2.00		Hrs.			
	Lamp model #						
T8 3ft 1 lamp replacing T12 3 ft 2 lamp (retrofit only)*	Ballast model#	\$2.00		Hrs.			
	Lamp model #						
T8 2ft 3 lamp replacing T12 2 ft 4 lamp (retrofit only)*	Ballast model#	\$1.50		Hrs.			
	Lamp model #						
T8 2ft 2 lamp replacing T12 2 ft 3 lamp (retrofit only)*	Ballast model#	\$1.50		Hrs.			
	Lamp model #						
T8 2ft 1 lamp replacing T12 2ft 2 lamp (retrofit only)*	Ballast model#	\$1.50		Hrs.			
	Lamp model #						

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All fluorescent fixtures shall utilize electronic ballast and T-8 lamps .
- Ballasts shall have a power factor greater than 90%.
- Ballasts, harmonic distortion shall not exceed 20%. For 8-foot fluorescent ballasts, the total harmonic distortion shall not exceed 30%.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Fixtures = Lamps + Ballast Retrofit fixture replacement – 1:1 ratio (except where otherwise indicated)	Ballast and Model Numbers	Incentive per fixture	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
T12 8ft and 4ft fixture replaced by T8 High Performance Replace T12 and T12 HO 8' fixtures with High Performance T8 4ft lamps and ballast. Approved lamps and ballasts must be listed on the CEE High performance T8 qualified product list found on the web at www.cee1.org .							
High Performance T8 4ft 2 lamp fixture replacing T12 8ft 1 lamp fixture	Ballast model# Lamp model #	\$5.00		Hrs.			
High Performance T8 4ft 4 lamp fixture replacing T12 8ft 2 lamp fixture	Ballast model# Lamp model #	\$5.00		Hrs.			
High Performance T8 4ft 2 lamp fixture replacing T12 High Output 8ft 1 lamp fixture	Ballast model# Lamp model #	\$10.00		Hrs.			
High Performance T8 4ft 4 lamp fixture replacing T12 High Output 8ft 2 lamp fixture	Ballast model# Lamp model #	\$12.50		Hrs.			
High Performance T8 4ft 1 lamp fixture replacing T12 4ft 1 lamp	Ballast model# Lamp model #	\$3.00		Hrs.			
High Performance T8 4ft 2 lamp fixture replacing T12 4ft 2 lamp	Ballast model# Lamp model #	\$4.00		Hrs.			
High Performance T8 4ft 3 lamp fixture replacing T12 4 ft 3 lamp	Ballast model# Lamp model #	\$6.00		Hrs.			
High Performance T8 4ft 4 lamp fixture replacing T12 4 ft 4 lamp	Ballast model# Lamp model #	\$8.00		Hrs.			
T-12 4ft fixture replaced by Reduced Wattage T8 Lighting Replace standard T12 systems with 4' 25W lamps, 28W lamps, and approved CEE ballast. In order to qualify for incentives, bulbs and ballasts must be from CEE reduced-wattage approved list. To view the CEE Reduced Wattage T8 qualified product list, go to www.cee1.org . Note: Reduced Watt T8 compatibility varies; consult manufacturer's literature before specifying products.							
Reduced Wattage T8 4ft 1 lamp of 28W or less & ballast replacing standard T12 4ft 1 lamp – 34 W	Ballast model# Lamp model #	\$4.00		Hrs.			
Reduced Wattage T8 4ft 2 lamp of 28 W or less & ballast replacing standard T12 4 ft 2 lamp – 34 W	Ballast model# Lamp model #	\$5.00		Hrs.			
Reduced Wattage T8 4ft 3 lamp of 28 W or less & ballast replacing standard T12 4 ft 3 lamp – 34 W	Ballast model# Lamp model #	\$7.00		Hrs.			
Reduced Wattage T8 4ft 4 lamp of 28 W or less & ballast replacing standard T12 4 ft 4 lamp – 34 W	Ballast model# Lamp model #	\$9.00		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All fluorescent fixtures shall utilize electronic ballast and T-8 lamps.
- Ballasts shall have a power factor greater than 90%.
- Ballasts, harmonic distortion shall not exceed 20%.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors except where specifically stated.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- Replacement must result in energy savings to qualify.
- High lumen lamp and low ballast factor ballast combinations are expected.
- Normal or low ballast factor ballasts must be utilized to be eligible.
- Reduced watt T8 lamps should not be used in dimming applications unless the lamp and ballast manufacturers have approved a specific application for dimming or frequent switching. May demonstrate dim light, spiraling, pulsing and other undesirable behavior in cooler temperature rooms and while warming up. System performance varies based on lamp or ballast components.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Fixtures = Lamps + Ballast Retrofit fixture replacement – 1:1 ratio (except where otherwise indicated)	Ballast and Model Numbers	Incentive per fixture	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
T-12 fixtures replaced with T5 Electronic Ballasts							
T5 4ft (28 watt) 1 lamp replacing T12 4ft 1 lamp (retrofit only)	Ballast model# Lamp model #	\$2.50		Hrs.			
T5 4ft (28 watt) 2 lamp replacing T12 4ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$4.00		Hrs.			
T5 4ft (28 watt) 3 lamp replacing T12 4ft 3 lamp (retrofit only)	Ballast model# Lamp model #	\$5.00		Hrs.			
T5 4ft (28 watt) 4 lamp replacing T12 4ft 4 lamp (retrofit only)	Ballast model# Lamp model #	\$6.00		Hrs.			
T5 HO 4ft 1 (54 watt) lamp replacing 34W T12 4ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$3.00		Hrs.			
T5 HO 4ft 2 (54 watt) lamp replacing 34W T12 4ft 4 lamp (retrofit only)	Ballast model# Lamp model #	\$4.50		Hrs.			
T5 HO 4ft 2 (54 watt) lamp replacing 60W T12 8 ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$4.50		Hrs.			
T5 HO 4ft 3 (54 watt) lamp replacing 95W T12 HO 8ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$5.50		Hrs.			
T5 HO 4ft 4 (54 watt) lamp replacing 60W T12 8ft 4 lamp (retrofit only)	Ballast model# Lamp model #	\$6.50		Hrs.			
T5 HO 4ft 4 (54 watt) lamp replacing 95W T12 VHO 8ft 2 lamp (retrofit only)	Ballast model# Lamp model #	\$6.50		Hrs.			
T5 HO HB 2L replacing 150-249W HID (retrofit only) Fixture efficiency	Ballast model# Lamp model #	\$15.00		Hrs.			
T5 HO HB 3L replacing 250-399W HID (retrofit only) Fixture efficiency	Ballast model# Lamp model #	\$20.00		Hrs.			
T5 HO HB 4L replacing 400-999W HID (retrofit only) Fixture efficiency	Ballast model# Lamp model #	\$25.00		Hrs.			
T5 HO HB 6L replacing 400-999W HID (retrofit only) Fixture efficiency	Ballast model# Lamp model #	\$20.00		Hrs.			
T5 HO HB 8L replacing 750-999W HID (retrofit only) Fixture efficiency	Ballast model# Lamp model #	\$37.50		Hrs.			
2 fixtures – T5 HO HB 6 Lamp replacing 1,000 W HID (2 for 1 retrofit only) Fixture efficiency	Ballast model# Lamp model #	\$60.00		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All fluorescent fixtures shall utilize electronic ballast and T-5 lamps.
- Ballasts shall have a power factor greater than 90%.
- Ballasts, harmonic distortion shall not exceed 20%.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- Replacement must result in energy savings to qualify.
- Eligible T5 High Bays must have specular/mirror like or white reflectors and fixture efficiency must be >90%. *Manufacturers spec sheet is required and must indicate that it is a High Bay fixture and the fixture efficiency is > than 90%. If spec sheet does not list efficiency, a photometric report will be required that indicates total fixture (Luminaire) efficiency rating or the 0-180 degree of lamp rating included in the zonal lumen summary chart.*
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Fixtures = Lamps + Ballast Retrofit fixture replacement – 1:1 ratio (except where otherwise indicated)	Ballast and Model Numbers	Incentive per fixture	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
T-8 Fixtures replaced by High Performance T8 Lighting Replace standard T8 systems with High Performance T8 4ft lamps and ballast. Approved lamps and ballasts must be listed on the CEE High performance T8 qualified product list found on the web at www.cee1.org .							
T8 4ft High Performance 1 lamp & ballast replacing standard T8 4ft 1 lamp fixture	Ballast model# Lamp model #	\$2.00		Hrs.			
T8 4ft High Performance 2 lamp & ballast replacing standard T8 4ft 2 lamp fixture	Ballast model# Lamp model #	\$3.00		Hrs.			
T8 4ft High Performance 3 lamp & ballast replacing standard T8 4ft 3 lamp fixture	Ballast model# Lamp model #	\$3.10		Hrs.			
T8 4ft High Performance 4 lamp & ballast replacing standard T8 4ft 4 lamp fixture	Ballast model# Lamp model #	\$6.00		Hrs.			
T-8 Fixtures replaced by Reduced Wattage High Performance T8 Lighting Replace standard T8 systems with 4' 25W lamps, 28W lamps approved CEE ballast OR relamp existing T8 fixtures with reduced wattage T8 lamps 28W or less. In order to qualify for incentives bulbs and ballasts must be from CEE reduced-wattage approved list. To view the CEE Reduced Wattage T8 qualified product list, go to www.cee1.org . Note: reduced wattage T8 compatibility varies; consult manufacturer's literature before specifying products.							
Reduced Wattage T8 4ft 1 lamp of 28W or less & ballast replacing standard T8 4ft 1 lamp – 32W	Ballast model# Lamp model #	\$2.00		Hrs.			
Reduced Wattage T8 4ft 2 lamp of 28W or less & ballast replacing standard T8 4ft 2 lamp – 32W	Ballast model# Lamp model #	\$3.00		Hrs.			
Reduced Wattage T8 4ft 3 lamp of 28W or less & ballast replacing standard T8 4ft 3 lamp – 32W	Ballast model# Lamp model #	\$5.00		Hrs.			
Reduced Wattage T8 4ft 4 lamp of 28W or less & ballast replacing standard T8 4ft 4 lamp – 32W	Ballast model# Lamp model #	\$6.00		Hrs.			
Relamp T8 4ft 32W fixtures with Reduced Wattage T8 lamps 28 watts or less	Ballast model# Lamp model #	\$2.50 / lamp		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All fluorescent fixtures shall utilize electronic ballast and T-8 lamps .
- Ballasts shall have a power factor greater than 90%.
- Ballasts, harmonic distortion shall not exceed 20%.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors except where specifically stated.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- Replacement must result in energy savings to qualify.
- High lumen lamp and low ballast factor ballast combinations are expected.
- Reduced watt T8 lamps should not be used in dimming applications unless the lamp and ballast manufacturers have approved a specific application for dimming or frequent switching. May demonstrate dim light, spiraling, pulsing and other undesirable behavior in cooler temperature rooms and while warming up. System performance varies based on lamp or ballast components.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

CFL Lamps and Fixtures	Incentive	Qty	Annual Operating Hours (minimum of 1800)	Equipment Cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
42W 8 lamp HB CFL replacing 400W HID (retrofit only) Model Number	\$25.00		Hrs.			
CFL – Screw In (lamp only) replacing an incandescent (retrofit only) Model Number	\$0.75 / lamp		Hrs.			
CFL – Screw-In dimmable or 3-way bulb replacing an incandescent dimmable or 3-way bulb (retrofit only) Model Number	\$1.00 / lamp		Hrs.			
CFL – Hardwired Fixture replacing incandescent fixture (only pin based CFL's qualify) Model Number	\$5.00 / fixture		Hrs.			
Up to 30W CFL Flood Lamp with Reflector replacing 100W or less incandescent (retrofit only) Model Number	\$1.50 / lamp		Hrs.			
33W – 115W CFL lamp replacing 100 W or more incandescent Model Number	\$2.50 / lamp		Hrs.			
Energy Star LED Lamps						
Replace incandescent bulbs with Energy Star LED (retrofit only) <i>LED lamps must be listed on the Energy Star Qualified Light Bulbs list to qualify.</i> http://www.energystar.gov/index.cfm?fuseaction=iledl.display_products_pdf Model Number	\$5.00 / lamp		Hrs.			
Replace 60-100W incandescent with ENERGY STAR qualified LED downlight 18 Watts or less. (retrofit only) <i>Product must appear on ENERGY STAR Qualified LED Lighting qualified products list, and must contain the word "downlight".</i> http://www.energystar.gov/index.cfm?fuseaction=ssl.display_products_com_pd Model Number	\$7.50 / fixture		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors except where specifically stated.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- All fixtures must operate a minimum of 1,800 hours to be eligible.

Metal Halide						
320W Pulse Start Halide replacing 400W HID (retrofit only) **check one <input type="checkbox"/> R <input type="checkbox"/> FE Model Number	\$12.50		Hrs.			
Ceramic Metal Halide						
20W Ceramic Metal Halide fixture replacing <input type="checkbox"/> Incandescent or <input type="checkbox"/> Halogen of at least 100 W Model Number	\$15.00		Hrs.			
39W Ceramic Metal Halide fixture replacing <input type="checkbox"/> Incandescent or <input type="checkbox"/> Halogen of at least 150 W Model Number	\$15.00		Hrs.			
50W Ceramic Metal Halide fixture replacing <input type="checkbox"/> Incandescent or <input type="checkbox"/> Halogen for a total of 195W Model Number	\$15.00		Hrs.			
70W Ceramic Metal Halide fixture replacing <input type="checkbox"/> Incandescent or <input type="checkbox"/> Halogen for a total of 225W Model Number	\$15.00		Hrs.			
100W Ceramic Metal Halide fixture replacing <input type="checkbox"/> Incandescent or <input type="checkbox"/> Halogens for a total of 270W Model Number	\$15.00		Hrs.			
150W Ceramic Metal Halide fixture replacing <input type="checkbox"/> Incandescent or <input type="checkbox"/> Halogens for a total of 360W Model Number	\$15.00		Hrs.			
25 W or less Ceramic Metal Halide with integral ballast replacing 70 W or greater incandescent flood light Model Number	\$5.00/lamp		Hrs.			

- Replacement must result in energy savings to qualify.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors except where specifically stated.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- Incentives for pulse start metal halide fixtures are for 320w pulse start metal halide lamp/ballast combinations. In a retrofit application, the fixture must be hard-wired ballast retrofit or new fixture. Screw in retrofit lamps do not qualify. Pulse start lamp wattage must be lower than existing probe start lamp wattage.
- Ceramic Metal Halide Incentive is for complete hardwired fixtures containing ceramic metal halide lamp and electronic ceramic metal halide ballast.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Measure	Incentive	Qty	Annual Operating Hrs (minimum of 1800)	Equipment cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
21" Tubular Skylight/Light Tube (at least one light fixture per light tube must be controlled by a "daylight" sensor (no additional daylight sensor incentive applies) Check One ** <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number	\$37.50 / fixture					
LED Exit Signs (replacing or retrofitting existing incandescent or compact fluorescent exit sign) Check one <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number	\$5.00 / fixture					
LED Lighting In Reach-in Freezer or Cooler Case (replacing fluorescent fixtures) Model Number	\$25.00 / door					
LED Case Lighting Sensor Controls Check one <input type="checkbox"/> R <input type="checkbox"/> NC <input type="checkbox"/> FE Model Number Model Number	5.00 / sensor					
Under 500 W connected to sensor check one <input type="checkbox"/> R <input checked="" type="checkbox"/> NC <input type="checkbox"/> FE Model Number WattStopper DT-300, DW-100,DT-200	\$10.00 / sensor	218	2080	\$16,421.94	12/09	\$2,180.00
Over 500 W connected to sensor check one <input type="checkbox"/> R <input checked="" type="checkbox"/> NC <input type="checkbox"/> FE Model Number WattStopper DT-300, DW-100,DT-200	\$20.00 / sensor	262	2080	\$29,655.75	12/09	\$5,240.00

- Replacement must result in energy savings to qualify
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- Lighting circuits should be installed with a neutral wire that has the same size conductor as the line load.
- All fixtures shall be installed indoors except where specifically stated.
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- Tubular Skylight requires at least one light fixture per light tube that must be controlled by a "daylight" sensor (no additional daylight sensor incentive applies)
- LED exit signs shall use 5 watts or less including the battery charger when active. They must meet State Fire Marshal codes and be UL rated.
- Occupancy Sensors (under and over 500) must be either wall, ceiling, or fixture mounted. Rapid or programmed start ballasts are recommended for fluorescent fixtures.
- Occupancy Sensors (under 500W) installed on or built into High Bay fixtures are eligible for incentives.
- LED Lighting in Reach-in Freezer or Cooler Case: Must install a LED lighting system and replace (or in lieu of) a fluorescent lighting system for reach-in refrigerated display case.
- Fluorescent magnetic ballasts cannot be used to power the LED case lighting system. Existing fluorescent fixture end connectors and ballasts must be removed.
- LED case lighting system must be a permanently installed luminaire. LED lamps that install into fluorescent lamp sockets are not eligible for incentives.
- LED Case Lighting Sensor Controls may only be installed with LED lighting systems. End of aisle and individual case sensors qualify.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Outdoor Lighting	Incentive	Qty	Annual Operating Hrs (minimum of 1800)	Equipment cost (w/o labor)	Date Installed and Operable (mm/yy)	Total Incentive
Exterior LED or Induction fixture replacing up to 175W HID Model Number	\$20 / fixture					
Exterior LED or Induction fixture replacing 176W – 250W HID Model Number	\$25 / fixture					
Exterior LED or Induction fixture replacing 251W – 400W HID Model Number	\$40 / fixture					
Exterior LED or Induction fixture replacing > 400 W HID Model Number	\$75/ fixture					
Garage LED or Induction fixture replacing up to 175 W HID Model Number	\$50/ fixture					
Garage LED or Induction fixture replacing 176W – 250W HID Model Number	\$75/ fixture					
Garage LED or Induction fixture replacing 251W – 400 W HID Model Number	\$125/ fixture					
Garage LED or Induction fixture replacing > 400 W HID Model Number	\$200/ fixture					
LED Auto Traffic Signals (replacing incandescent) Model Number	\$6.25 / lamp					
LED Pedestrian Signals (replacing incandescent) Model Number	\$12.50/ signal					

- Replacement must result in energy savings to qualify
- All fixtures, lamps and ballasts must be UL certified and meet all applicable codes and regulations.
- All fixtures must operate a minimum of 1,800 hours to be eligible.
- All equipment must be **new** to be eligible for incentives. Used equipment is **not** eligible for incentives.
- Outdoor and garage **LED and** induction lighting must result in a total power **reduction** of 40% or more.
- Outdoor and garage LEDs should be listed on either the Energy Star or Design Lights consortium qualifying products lists:
 1. http://www.energystar.gov/index.cfm?fuseaction=ssl.display_products_com_pdf
 2. <http://www.designlights.org/documents/NEEPDLCQPL.xls>
- Traffic and pedestrian signals using LED lights must replace conventional incandescent signals.
- Incentive capped at 50% of the equipment cost.
- New construction or replacement of failed equipment must apply for Self Direct Custom program.

Program Requirements

Incentive Eligibility

- Incentives are only available to customers on a Duke Energy Ohio non-residential rate.
- Duke Energy Customers who purchase electric generation from an alternative supplier are eligible to participate.
- Incentive will not be paid until eligible equipment has been installed, is available to operate, and verification has been completed by Duke Energy staff as noted in the Term & Conditions stated below.
- Duke Energy reserves the right to revise incentive levels and/or qualifying efficiency levels at any time.
- Customer may assign the incentive to the vendor who installed/supplied the equipment. The customer's signature is required in the Payment Information section on page 1 of this form to assign the incentive to the vendor. Customer agrees that such an action constitutes an irrevocable assignment of the incentive. This assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount.
- Leased equipment is eligible for incentives providing the equipment meets the program requirements and the customer provides the required documentation noted on the Incentive Application Process page of this application.
- Any equipment which, either separately or as part of a project, has or will receive an incentive from any other Duke Energy program is ineligible.
- In no case will Duke Energy pay an incentive above the actual cost of the new equipment.
- Incentive recipient assumes all responsibilities for any tax consequences resulting from Duke Energy incentive payment.
- To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a 3rd party vendor. The 3rd party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the 3rd party vendor have signed a confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, as you will not be qualified to participate in the incentive program.

Terms and Conditions

I certify that this premise is served by Duke Energy (or an affiliate of Duke Energy), that the information provided herein is accurate and complete, and that I have purchased and installed the high efficiency equipment (indicated herein) for the business facility listed herein and not for resale. Attached is an itemized invoice for the indicated installed equipment. I understand that the proposed incentive payment from Duke Energy is subject to change based on verification and Duke Energy approval. I agree to Duke Energy verification of both the sales transaction and equipment installation which may include a site inspection from a Duke Energy representative or Duke Energy agent. I understand that I am not allowed to receive more than one incentive from Duke Energy on any piece of equipment. I also understand that my participation in the program may be taxable and that my company is solely responsible for paying all such taxes. I hereby agree to indemnify, hold harmless and release Duke Energy and its affiliates from any actions or claims in regards to the installation, operation and disposal of equipment (and related materials) covered herein including liability from an incidental or consequential damages. Duke Energy does not endorse any particular manufacturer, product or system design within these programs; does not expressly or implicitly warrant the performance of installed equipment (Contact your contractor for details regarding equipment warranties) and 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.

Incentive Application Instructions

IMPORTANT NOTICE

Delays in processing incentive payments will occur if required documentation is not included with completed application(s).

1. Contact Duke Energy toll free at 866-380-9580 to confirm customer eligibility. Applications are available for download at www.duke-energy.com.
2. Review program and equipment requirements on the incentive application. (Page7)
3. Purchase and install eligible energy-efficient equipment.
4. Complete and submit application for equipment that was installed after 1/1/2008.
5. **The following items must be included to verify projects. If they are not included, it will delay payment of incentive.**
 - A. Itemized invoice for all equipment installed to include:
 - a. Equipment cost
 - b. Quantity per equipment type installed
 - c. Model # for each equipment type
 - d. Manufacturer's data sheet for each equipment model #.
 - B. **Make sure the account number provided on the cover page (customer information section) is associated with the location where the equipment was installed. If the account # does not match the address where the equipment was installed, the application will be rejected as ineligible.**
 - C. Provide required tax ID# for payee.
 - D. Customer must sign and date the application after reviewing the Terms and Conditions. If customer wishes to **assign payment of the incentive directly to the vendor**, the customer should circle the appropriate payee in the Payment Information section of the application and sign their name to authorize payment.
6. Duke Energy may require site verification of projects that have been self-installed, prior to payment of incentive.
8. Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-419-5572.
8. A percentage of equipment installations will be site verified for quality assurance purposes. Once selected, a Duke Energy representative will contact the customer to arrange for the inspection. All incentive payments related to the project will be withheld until site verification is complete. There is no charge to the customer for these inspections.

Mercantile Self Direct Rebate Program Requirements for Vendor Participation

Program Overview

- Duke Energy offers it's eligible non-residential customers the opportunity to increase profitability through energy cost savings and contribute to a cleaner environment by participating in our Mercantile Self Direct Incentive Program.
 - Under the Duke Energy Mercantile Self Direct Incentive Program, Vendor is defined as any third party who:
 - Promotes the sale and installation of the high efficiency equipment for the customer. The Vendor will ensure that the eligible equipment is installed and operating before submitting the application or assisting the customer in completing the application.
 - Is responsible for the product sale only and is not required to ensure installation of the eligible equipment.
 - All license requirements, if any, are solely the Vendor's responsibility. Participating Vendors include equipment contractors, equipment Vendors, equipment manufacturers and distributors, energy service companies, etc. The typical Vendor role is to contact/solicit eligible customers building new or retrofitting existing facilities and encourage the installation of the energy-efficient equipment offered in Duke Energy's program.
 - Incentives are paid directly to customers unless the customer assigns the incentive to the Vendor. The assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount. Incentives are taxable to the entity who receives the rebate check. Rebates greater than \$600 will be reported to the IRS unless documentation of tax exempt status is provided.
- Vendors can sign up to be on Duke Energy's Web site as a participating Vendor and be added to Duke Energy's e-mail distribution by emailing the Vendor Participation Agreement (VPA) to SelfDirect@duke-energy.com or faxing to **513-419-5572**.

Guidelines for Vendor Activities

- Vendors shall sign and return the attached VPA to Duke Energy prior to soliciting customer participation or when submitting an application. Rebate payments will not be released to a Vendor unless a signed VPA is on file.
- Vendors shall not misrepresent the nature of their role in the program. In particular, Vendors shall not state or imply to customers, or any persons, that the Vendor is employed by or working on Duke Energy's behalf.
- Vendors may not represent to customers that Duke Energy endorses their specific products or services. Duke Energy does not endorse specific products, services, or companies – only energy-efficient technologies.
- Vendors may advise customers of their option to have Duke Energy make their rebate check(s) payable to the Vendor if the customer's rebate amount is being deducted from the total sale price in advance. The customer must complete and sign the Payment Release Authorization section of the Mercantile Self Direct Incentive Program Application.
- Vendors may use the words "Duke Energy's Mercantile Self Direct Incentive Program" in promotional materials or advertisements. Vendors may use the name Duke Energy in a text format to describe the Mercantile Self Direct Incentive Program, but are not permitted to use Duke Energy's logos.
- For Vendors who properly install the qualifying equipment, the equipment shall be installed and operating prior to an application being submitted. A percentage of each Vendor's installations will be subject to inspection by Duke Energy for verifying that the equipment is installed and operating. Vendors demonstrating high failure rates (based on a statistically significant sample) will have 100% of subsequent jobs inspected or may have their participation in the Mercantile Self Direct Incentive Program revoked by Duke Energy in it's sole discretion.
- Vendors shall provide customers with applicable equipment warranty information for all measures installed. Vendors shall provide the required documentation for customers to apply for the rebate (invoices with model numbers and quantities, specification sheets for installed equipment, etc.) and assist customers in filling out the application.
- Vendors shall comply with all applicable local, state, and federal laws and codes when performing installation and related functions.
- Duke Energy reserves the right to revoke a Vendor's participation in Mercantile Self Direct Incentive Program if, in Duke Energy's sole judgment, the Vendor fails to comply with the program's guidelines and requirements.
- Mercantile Self Direct Incentive Program offerings may be modified or terminated without prior notice. Check Duke Energy's Web site for current program status.

For more information, call **1-866.380.9580** or visit www.duke-energy.com.

Mercantile Self Direct Incentive Program

Technology	Responsible for sales and not installs*	Responsible for sales and Installation*	Technology	Responsible for sales and not installs*	Responsible for sales and Installation*
Lighting	<input type="checkbox"/>	<input type="checkbox"/>	Thermal Storage	<input type="checkbox"/>	<input type="checkbox"/>
Heating Ventilation & Cooling	<input type="checkbox"/>	<input type="checkbox"/>	Pumps/Motors/VFD's	<input type="checkbox"/>	<input type="checkbox"/>
Food Service	<input type="checkbox"/>	<input type="checkbox"/>	Chillers	<input type="checkbox"/>	<input type="checkbox"/>
Water Heating	<input type="checkbox"/>	<input type="checkbox"/>	Refrigeration	<input type="checkbox"/>	<input type="checkbox"/>
Process Equipment (air compressors, injection molding, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	Window Film	<input type="checkbox"/>	<input type="checkbox"/>

* Check all that apply

Vendors who wish to be listed as a Mercantile Self Direct Incentive Program participating Vendor shall complete this form. A signed copy of this form must be on file at Duke Energy in order for the Vendor to receive incentive payments. Fax form to **513-419-5572** or email to SelfDirect@duke-energy.com.

I have read and understand the Mercantile Self Direct Incentive Program Requirements for Vendor Participation, and I agree to comply with all requirements set forth therein. By signing this agreement, I agree to provide my customers with information and documentation that is true and accurate to the best of my knowledge. I hereby represent and warrant that the Tax ID and Vendor Tax Status provided below are true and accurate. I agree that any confidential information concerning my customer, including but not limited to Duke Energy service account information, will be used for the sole purpose of facilitating the customer's participation in the Mercantile Self Direct Incentive Program. Further, I understand that I am responsible for making sure everyone working for me understands the requirements prior to soliciting customer participation.

Vendor Federal Tax ID Number	
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To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a third-party vendor. The third-party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the third-party vendor have signed confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, as you will not be qualified to participate in the incentive program.

Vendor Tax Status	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual/Sole Proprietor	<input type="checkbox"/> Partnership	<input type="checkbox"/> Other
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Contact me via	<input type="checkbox"/> Phone	<input type="checkbox"/> E-Mail	<input type="checkbox"/> Mail	
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Company Name	
Mailing Address	
City, State, Zip	
Phone/Fax	
Primary E-mail Address	
Secondary E-mail Address	
Vendor Signature	
Title	
Print Name	
Date	

For more information, call 1-866-380-9580 or visit www.duke-energy.com.

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 1-513-419-5572.

Mercantile customers, defined as using at least 700,000 kWh annually are eligible for the Mercantile Self Direct program. Please indicate mercantile qualification:

- ☐ a single Duke Energy Ohio account
☒ multiple accounts in Ohio (energy usage with other utilities may be counted toward the total)

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

Account Number	Annual Usage	Account Number	Annual Usage
2090-3690-01			

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart Saver® Custom Incentive. Self Direct incentives 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 requirements dictate that certain projects that may be Prescriptive in nature under the Smart Saver program must be evaluated using the Custom process. Use the table on page two as a guide to determine which Self Direct program fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet. Where Mercantile Self Direct Prescriptive applications are listed, please refer to the measure list on that application. If your measure is not listed, you may be eligible for a Self Direct Custom rebate. Self Direct Custom applications, like Smart Saver Custom applications, should include detailed analysis of pre-project and post-project energy usage and project costs. Please indicate which type of rebate applications are included in the table provided on page two.

Please check each box to indicate completion 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.

Application Type	Replaced equipment at end of lifetime or because equipment failed**	Replaced fully operational equipment to improve efficiency***	New Construction
Lighting	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>
Heating & Cooling	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>
Chillers & Thermal Storage	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Chillers & Thermal Storage <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Motors & Pumps	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Motors, Pumps & Drives <input checked="" type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
VFDs	Not Applicable	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>	
Food Service	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Food Service <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Process	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	
Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>
Behavioral*** & No/Low Cost	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>		

** Under the Self Direct program, failed equipment and equipment at the end of its useful life are evaluated differently than early replacement of fully functioning equipment. **All equipment replacements due to failure or old age will be evaluated via the Custom program.**

*** Please ensure that you include the age of the replaced equipment for measures classified as "Early Replacement" in your application as well as the estimated date that you would have otherwise replaced the existing equipment if you had not chosen a more energy efficient option.

**** Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application.

MERCANTILE SELF DIRECT Ohio Premium Motor/Pump/VFD Incentive Application

Questions? Call 1-863-380-9580 or visit www.duke-energy.com.

Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-419-5572.

Is this application: ☒ **NEW** (original) or ☐ **REVISED** (changes made to original application)

<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input checked="" type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship/Church
<input type="checkbox"/> Food Sales/Grocery	<input type="checkbox"/> Retail (Small Box)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Big Box)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		

<input type="checkbox"/> Duke Energy Representative	<input type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input checked="" type="checkbox"/> Contractor / Vendor	<input type="checkbox"/> Other	

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

<input checked="" type="checkbox"/> All sections of application	<input checked="" type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input checked="" type="checkbox"/> Tax ID number for payee	<input checked="" type="checkbox"/> Customer/vendor agree to Terms and Conditions
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Customer/Business	Cincinnati Public Schools	Contact	Don Elbe
Phone	614-580-3352	Account Number	2090-3690-01
Street Address (Where incentive should be mailed)	2651 Burnett Ave		
City	Cincinnati	State	OH Zip Code 45219
Installation Street Address	108 W Central Pkwy		
City	Cincinnati	State	OH Zip Code 45202
E-mail Address			

*Failure to provide the account number associated with the location where the installation took place will result in rejection of the application.

Vendor	Plug Smart	Contact	Lucas Dixon
Phone	614-580-3352	Fax	1-800-518-5576
Street Address	1275 Kinnear Road Suite 229		
City	Columbus	State	OH Zip Code 43212
E-mail Address	lucas.dixon@plugsmart.com		

If Duke Energy has questions about this application, who should we contact? ☐ Customer ☒ Vendor

Who should receive incentive payment?	<input checked="" type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	
	Date	
Provide Tax ID Number for Payee	Customer Tax ID #	31-6000758
	Vendor Tax ID #	26-2368277

I have read and hereby agree to the Terms & Conditions and Program Requirements.

Customer Signature	<i>Don Elbe</i>	Vendor Signature	
Date	7-3-12	Date	
Title	Utility Mgmt. Coord.	Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

Motor incentives will be removed from the Prescriptive Program effective March 31, 2011. To qualify for the current incentives, motors must be purchased by March 31, 2011 and installed by June 30, 2011. Applications must be received by September 30, 2011.

Certain motors will still be eligible for incentives using the custom program. Please refer to the Duke Energy Mercantile Self Direct website for further detail.

The Equipment below is (check one): ☒ New Equipment / New Construction
Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

Motor											
Motor	Make/Model or Catalog #	Quantity	Type	RPM	Incentive	HP	Installed Nominal Efficiency*	Annual Operating Hrs (Minimum of 2000)	Equipment Cost	Date Installed and Operable (mm/yy)	Total Incentive
1-5 HP	Baldor EM3218T	3	<input checked="" type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input checked="" type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$5/HP	5HP	89.5%	2800Hrs	\$1,415.58	12/09	\$75.00
7.5-20 HP	Baldor EM2515T	2	<input checked="" type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input checked="" type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$4/HP	20HP	93%	2800Hrs	\$3,025.00	12/09	\$160.00
25-100 HP	Baldor EM2539T	6	<input checked="" type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input checked="" type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$2.50/HP	40HP	94.1%	2800Hrs	\$15,529.80	12/09	\$600.00
125 – 250 HP			<input type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$2/HP	HP	%	Hrs			

*** See page four for required efficiency levels for motors.**

*Incentive capped at 50% of project cost (equipment and external labor).

- Qualifying motors must be three-phase open drip (ODP) or totally enclosed fan cooled (TEFC) units with nominal speeds of 1200, 1800, or 3600 RPM.
- Efficiencies are to be full-load nominal efficiencies tested in accordance with IEE Standards 112, Method B. Please refer to attached table to determine qualifying efficiencies.
- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Motor shall be squirrel cage design and conform to NEMA Premium design A, B or C torque characteristics.
- Motor/pump load must be served by Duke Energy and installed in customer's facility.
- Replaced motors shall be disposed of or recycled (not to be resold or rewound).
- Motor(s) and pump(s) must operate a minimum of 2000 hours annually to be eligible.

The Equipment below is (check one): ☐ New Equipment / New Construction

Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

High Efficiency Pumps								
Pump	Make/Model or Catalog #	Quantity	Incentive	Installed Nominal Efficiency* (pump curve)	Annual Operating Hrs (Minimum of 2000)	Equipment Cost	Date Installed and Operable (mm/yy)	Total Incentive
1.5 HP			\$61.00/PUMP	%	Hrs			
2 HP			\$87.50.00/PUMP	%	Hrs			
3 HP			\$87.50/PUMP	%	Hrs			
5 HP			\$85.00./PUMP	%	Hrs			
7.5 HP			\$124.50/PUMP	%	Hrs			
10 HP			\$82.50.00/PUMP	%	Hrs			
15 HP			\$145.00/PUMP	%	Hrs			
20 HP			\$200.00/PUMP	%	Hrs			
* See on page four for required efficiency levels for pumps. Pump curves are required.								

*Incentive capped at 50% of project cost (equipment and external labor).

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Motor/pump load must be served by Duke Energy and installed in customer's facility.
- Pump efficiency is based on the design point on the pump curve. Documentation of the pump curve is required to receive an incentive.
- The pump efficiency at the design point on the pump curve must meet nominal efficiencies as stated in table on page 4.
- Duplicative to the first bullet point.

The Equipment below is (check one): ☐ Retrofit
 Replacement of failed equipment or new construction is not eligible for incentives.

**Variable Frequency Drives (VFDs) – For Process Fluid Pumping Only
 (Retrofit* Application only)**

Process pumping does not include HVAC or swimming pool fluid pumping systems.

List Process Pumping Application

VFD**	Make/Model or Catalog #	Quantity	Incentive***	Annual Operating Hrs (Minimum of 2000)	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
5 HP			\$20.00/HP	Hrs			
7.5 HP			\$20.00/HP	Hrs			
10 HP			\$20.00/HP	Hrs			
15 HP			\$20.00/HP	Hrs			
20 HP			\$20.00/HP	Hrs			
25 HP			\$20.00/HP	Hrs			
30 HP			\$20.00/HP	Hrs			
40 HP			\$20.00/HP	Hrs			
50 HP			\$20.00/HP	Hrs			

***Retrofit only – incentives are only available for new VFDs installed on existing fluid process pump systems.**

**** VFDs over 50 HP and VFDs on new equipment are not eligible for prescriptive incentives, but may qualify through the custom program. Please refer to the custom webpage for guidance.**

*****Incentives are capped at 50% of project cost (equipment and external labor).**

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Variable Frequency Drive Fans & Pumps qualifying equipment must have 2000 annual run hours or more.
- A 3% impedance reactor on the AC input to the VSD is recommended to prevent damage to the VSD due to overvoltage from power factor correction and should be properly sized by your supplier. A 5% reactor may be recommended if there is additional harmonic distortion on the AC input lines due to other plant-specific causes.
- VFDs on new equipment do not qualify under this program; but may qualify through the custom program. Please refer to the Custom website for guidance. Incentives will be paid for the installation of **NEW** VFDs on existing fan/pump systems and process equipment only.
- Replacement of existing VFDs does not qualify for incentives.
- VFDs installed on redundant pumps do not qualify.
- VFDs installed in newly constructed facilities do not qualify for incentives.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- Existing throttling devices including inlet vanes, bypass dampers, and throttling valves must be removed or permanently disabled.
- . Duplicative to the first bullet point.

The Equipment below is (check one): ☐ Retrofit
 Replacement of failed equipment or new construction is not eligible for incentives.

**Variable Frequency Drives (VFDs) – Applied to HVAC Fans Only
 (Retrofit* Application only)**

VFD HVAC Applications (please check one):

☐ Supply Fan ☐ Cooling Tower Fan ☐ Return Fan
☐ Exhaust Fan

VFD**	Make/Model or Catalog #	Quantity	Incentive***	Annual Operating Hrs (Minimum of 2000)	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
1.5 HP			\$50.00/HP	Hrs			
2 HP			\$50.00/HP	Hrs			
3 HP			\$50.00/HP	Hrs			
5 HP			\$50.00/HP	Hrs			
7.5 HP			\$50.00/HP	Hrs			
10 HP			\$50.00/HP	Hrs			
15 HP			\$50.00/HP	Hrs			
20 HP			\$50.00/HP	Hrs			
25 HP			\$50.00/HP	Hrs			
30 HP			\$50.00/HP	Hrs			
40 HP			\$50.00/HP	Hrs			
50 HP			\$50.00/HP	Hrs			

* Retrofit only – incentives are only available for new VFDs installed on existing HVAC fan systems.

**VFDs over 50 HP and VFD's on new equipment are not eligible for prescriptive incentives, but may qualify through the custom program.

***Incentives are capped at 50% of project cost (equipment and external labor).

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Variable Frequency Drive Fans & Pumps qualifying equipment must have 2000 annual run hours or more.
- A 3% impedance reactor on the AC input to the VSD is recommended to prevent damage to the VSD due to overvoltage from power factor correction and should be properly sized by your supplier. A 5% reactor may be recommended if there is additional harmonic distortion on the AC input lines due to other plant-specific causes.
- VFDs on new equipment do not qualify under this program; but may qualify through the custom program. Please refer to the Custom website for guidance. Incentives will be paid for the installation of **NEW** VFDs on existing fan/pump systems and process equipment only.
- Replacement of existing VFDs does not qualify for incentives.
- VFDs installed on redundant pumps do not qualify.
- VFDs installed in newly constructed facilities do not qualify for incentives.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- Existing throttling devices including inlet vanes, bypass dampers, and throttling valves must be removed or permanently disabled.
- Duplicative to the first bullet point.

The Equipment below is (check one): ☐ Retrofit
 Replacement of failed equipment or new construction is not eligible for incentives.

**Variable Frequency Drives (VFDs) – Applied to HVAC Pumps Only
 (Retrofit* Application only)**

VFD HVAC Applications (please check one):

☐ Chilled Water Pump

☐ Condenser Pump

☐ Hot Water Pump

VFD**	Make/Model or Catalog #	Quantity	Incentive***	Annual Operating Hrs (Minimum of 2000)	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
1.5 HP			\$50.00/HP	Hrs			
2 HP			\$50.00/HP	Hrs			
3 HP			\$50.00/HP	Hrs			
5 HP			\$50.00/HP	Hrs			
7.5 HP			\$50.00/HP	Hrs			
10 HP			\$50.00/HP	Hrs			
15 HP			\$50.00/HP	Hrs			
20 HP			\$50.00/HP	Hrs			
25 HP			\$50.00/HP	Hrs			
30 HP			\$50.00/HP	Hrs			
40 HP			\$50.00/HP	Hrs			
50 HP			\$50.00/HP	Hrs			

* Retrofit only – incentives are only available for new VFDs installed on existing HVAC pumps systems.

**VFDs over 50 HP and VFDs on new equipment are not eligible for prescriptive incentives, but may qualify through the custom program. Please refer to the custom webpage for guidance.

***Incentives are capped at 50% of project cost (equipment and external labor).

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Variable Frequency Drive Fans & Pumps qualifying equipment must have 2000 annual run hours or more.
- A 3% impedance reactor on the AC input to the VSD is recommended to prevent damage to the VSD due to overvoltage from power factor correction and should be properly sized by your supplier. A 5% reactor may be recommended if there is additional harmonic distortion on the AC input lines due to other plant-specific causes.
- VFDs on new equipment do not qualify under this program; but may qualify through the custom program. Please refer to the Custom website for guidance. Incentives will be paid for the installation of **NEW** VFDs on existing fan/pump systems and process equipment only.
- Replacement of existing VFDs does not qualify for incentives.
- VFDs installed on redundant pumps do not qualify.
- VFDs installed in newly constructed facilities do not qualify for incentives.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- Existing throttling devices including inlet vanes, bypass dampers, and throttling valves must be removed or permanently disabled.
- . Duplicative to the first bullet point.

Efficiencies for Premium Motor/Pump Measures

Nominal Efficiencies for "NEMA Premium" Induction Motors Rated 600 volts or less (random wound)						
	Open Drip Proof			Totally Enclosed Fan-Cooled		
HP	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
1	82.5	85.5	77.0	82.5	85.5	77.0
1.5	86.5	86.5	84.0	87.5	86.5	84.0
2	87.5	86.5	85.5	88.5	86.5	85.5
3	88.5	89.5	85.5	89.5	89.5	86.5
5	89.5	89.5	86.5	89.5	89.5	88.5
7.5	90.2	91.0	88.5	91.0	91.7	89.5
10	91.7	91.7	89.5	91.0	91.7	90.2
15	91.7	93.0	90.2	91.7	92.4	91.0
20	92.4	93.0	91.0	91.7	93.0	91.0
25	93.0	93.6	91.7	93.0	93.6	91.7
30	93.6	94.1	91.7	93.0	93.6	91.7
40	94.1	94.1	92.4	94.1	94.1	92.4
50	94.1	94.5	93.0	94.1	94.5	93.0
60	94.5	95.0	93.6	94.5	95.0	93.6
75	94.5	95.0	93.6	94.5	95.4	93.6
100	95.0	95.4	93.6	95.0	95.4	94.1
125	95.0	95.4	94.1	95.0	95.4	95.0
150	95.4	95.8	94.1	95.8	95.8	95.0
200	95.4	95.8	95.0	95.8	96.2	95.4
250	95.4	95.8	95.0	95.8	96.2	95.8

Nominal Efficiencies for Pumps	
HP	Efficiency
1.5	efficiency of 65% or more for system
2	efficiency of 65% or more for system
3	efficiency of 67% or more for system
5	efficiency of 70% or more for system
7.5	efficiency of 73% or more for system
10	efficiency of 75% or more for system
15	efficiency of 77% or more for system
20	efficiency of 77% or more for system

Program Requirements

Incentive Eligibility

- Incentives are only available to customers on a Duke Energy Ohio non-residential rate.
- Duke Energy Customers who purchase electric generation from an alternative supplier are eligible to participate.
- Incentive will not be paid until eligible equipment has been installed, is available to operate, and verification has been completed by Duke Energy staff as noted in the Term & Conditions stated below.
- Duke Energy reserves the right to revise incentive levels and/or qualifying efficiency levels at any time.
- Customer may assign the incentive to the vendor who installed/supplied the equipment. The customer's signature is required in the Payment Information section on page 1 of this form to assign the incentive to the vendor. Customer agrees that such an action constitutes an irrevocable assignment of the incentive. This assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount.
- Leased equipment is eligible for incentives providing the equipment meets the program requirements and the customer provides the required documentation noted on the Incentive Application Process page of this application.
- Any equipment which, either separately or as part of a project, has or will receive an incentive from any other Duke Energy program is ineligible.
- In no case will Duke Energy pay an incentive above the actual cost of the new equipment.
- Incentive recipient assumes all responsibilities for any tax consequences resulting from Duke Energy incentive payment.
- To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a 3rd party vendor. The 3rd party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the 3rd party vendor have signed a confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, as you will not be qualified to participate in the incentive program.

Terms and Conditions

I certify that this premise is served by Duke Energy (or an affiliate of Duke Energy), that the information provided herein is accurate and complete, and that I have purchased and installed the high efficiency equipment (indicated herein) for the business facility listed herein and not for resale. Attached is an itemized invoice for the indicated installed equipment. I understand that the proposed incentive payment from Duke Energy is subject to change based on verification and Duke Energy approval. I agree to Duke Energy verification of both the sales transaction and equipment installation which may include a site inspection from a Duke Energy representative or Duke Energy agent. I understand that I am not allowed to receive more than one incentive from Duke Energy on any piece of equipment. I also understand that my participation in the program may be taxable and that my company is solely responsible for paying all such taxes. I hereby agree to indemnify, hold harmless and release Duke Energy and its affiliates from any actions or claims in regards to the installation, operation and disposal of equipment (and related materials) covered herein including liability from an incidental or consequential damages. Duke Energy does not endorse any particular manufacturer, product or system design within these programs; does not expressly or implicitly warrant the performance of installed equipment (Contact your contractor for details regarding equipment warranties and 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.

Incentive Application Instructions

IMPORTANT NOTICE

Delays in processing incentive payments will occur if required documentation is not included with completed application(s).

1. Contact Duke Energy toll free at 866-380-9580 to confirm customer eligibility. Applications are available for download at www.duke-energy.com.
2. Review program and equipment requirements on the incentive application. (Page7)
3. Purchase and install eligible energy-efficient equipment.
4. Complete and submit application for equipment that was installed after 1/1/2008.
5. **The following items must be included to verify projects. If they are not included, it will delay payment of incentive.**
 - A. Itemized invoice for all equipment installed to include:
 - a. Equipment cost
 - b. Quantity per equipment type installed
 - c. Model # for each equipment type
 - d. Manufacturer's data sheet for each equipment model #.
 - B. **Make sure the account number provided on the cover page (customer information section) is associated with the location where the equipment was installed. If the account # does not match the address where the equipment was installed, the application will be rejected as ineligible.**
 - C. Provide required tax ID# for payee.
 - D. Customer must sign and date the application after reviewing the Terms and Conditions. If customer wishes to **assign payment of the incentive directly to the vendor**, the customer should circle the appropriate payee in the Payment Information section of the application and sign their name to authorize payment.
6. Duke Energy may require site verification of projects that have been self-installed, prior to payment of incentive.
8. Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-419-5572.
8. A percentage of equipment installations will be site verified for quality assurance purposes. Once selected, a Duke Energy representative will contact the customer to arrange for the inspection. All incentive payments related to the project will be withheld until site verification is complete. There is no charge to the customer for these inspections.

Mercantile Self Direct Incentive Program Requirements for Vendor Participation

Program Overview

- Duke Energy offers its eligible non-residential customers the opportunity to increase profitability through energy cost savings and contribute to a cleaner environment by participating in our Mercantile Self Direct Incentive Program.
- Under the Duke Energy Mercantile Self Direct Incentive Program, Vendor is defined as any third party who:
 - Promotes the sale and installation of the high efficiency equipment for the customer. The Vendor will ensure that the eligible equipment is installed and operating before submitting the application or assisting the customer in completing the application.
 - Is responsible for the product sale only and is not required to ensure installation of the eligible equipment.
- All license requirements, if any, are solely the Vendor's responsibility. Participating Vendors include equipment contractors, equipment Vendors, equipment manufacturers and distributors, energy service companies, etc. The typical Vendor role is to contact/solicit eligible customers building new or retrofitting existing facilities and encourage the installation of the energy-efficient equipment offered in Duke Energy's program.
- Incentives are paid directly to customers unless the customer assigns the incentive to the Vendor. The assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount. Incentives are taxable to the entity who receives the rebate check. Rebates greater than \$600 will be reported to the IRS unless documentation of tax exempt status is provided.
- Vendors may not represent to customers that Duke Energy endorses their specific products or services. Duke Energy does not endorse specific products, services, or companies – only energy-efficient technologies.
- Vendors may advise customers of their option to have Duke Energy make their rebate check(s) payable to the Vendor if the customer's rebate amount is being deducted from the total sale price in advance. The customer must complete and sign the Payment Release Authorization section of the Mercantile Self Direct Incentive Program Application.
- Vendors may use the words "Duke Energy's Mercantile Self Direct Incentive Program" in promotional materials or advertisements. Vendors may use the name Duke Energy in a text format to describe the Mercantile Self Direct Incentive Program, but are not permitted to use Duke Energy's logos.
- For Vendors who properly install the qualifying equipment, the equipment shall be installed and operating prior to an application being submitted. A percentage of each Vendor's installations will be subject to inspection by Duke Energy for verifying that the equipment is installed and operating. Vendors demonstrating high failure rates (based on a statistically significant sample) will have 100% of subsequent jobs inspected or may have their participation in the Mercantile Self Direct Incentive Program revoked by Duke Energy in its sole discretion.
- Vendors shall provide customers with applicable equipment warranty information for all measures installed. Vendors shall provide the required documentation for customers to apply for the rebate (invoices with model numbers and quantities, specification sheets for installed equipment, etc.) and assist customers in filling out the application.
- Vendors shall comply with all applicable local, state, and federal laws and codes when performing installation and related functions.
- Duke Energy reserves the right to revoke a Vendor's participation in Mercantile Self Direct Incentive Program if, in Duke Energy's sole judgment, the Vendor fails to comply with the program's guidelines and requirements.
- Mercantile Self Direct Incentive Program offerings may be modified or terminated without prior notice. Check Duke Energy's Web site for current program status.

Vendors can sign up to be on Duke Energy's Web site as a participating Vendor and be added to Duke Energy's e-mail distribution by emailing the Vendor Participation Agreement (VPA) to SelfDirect@duke-energy.com or faxing to **513-419-5572**.

Guidelines for Vendor Activities

- Vendors shall sign and return the attached VPA to Duke Energy prior to soliciting customer participation or when submitting an application. Rebate payments will not be released to a Vendor unless a signed VPA is on file.
- Vendors shall not misrepresent the nature of their role in the program. In particular, Vendors shall not state or imply to customers, or any persons, that the Vendor is employed by or working on Duke Energy's behalf.
- Duke Energy reserves the right to revoke a Vendor's participation in Mercantile Self Direct Incentive Program if, in Duke Energy's sole judgment, the Vendor fails to comply with the program's guidelines and requirements.
- Mercantile Self Direct Incentive Program offerings may be modified or terminated without prior notice. Check Duke Energy's Web site for current program status.

For more information, call **1-866.380.9580** or visit www.duke-energy.com.

Mercantile Self Direct Rebate Program

Technology	Responsible for sales and not installs*	Responsible for sales and Installation*	Technology	Responsible for sales and not installs*	Responsible for sales and Installation*
Lighting	<input type="checkbox"/>	<input type="checkbox"/>	Thermal Storage	<input type="checkbox"/>	<input type="checkbox"/>
Heating Ventilation & Cooling	<input type="checkbox"/>	<input type="checkbox"/>	Pumps/Motors/VFDs	<input type="checkbox"/>	<input type="checkbox"/>
Food Service	<input type="checkbox"/>	<input type="checkbox"/>	Chillers	<input type="checkbox"/>	<input type="checkbox"/>
Water Heating	<input type="checkbox"/>	<input type="checkbox"/>	Refrigeration	<input type="checkbox"/>	<input type="checkbox"/>
Process Equipment (air compressors, injection molding, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	Window Film	<input type="checkbox"/>	<input type="checkbox"/>

* Check all that apply

Vendors who wish to be listed as a Mercantile Self Direct Incentive Program participating Vendor shall complete this form. A signed copy of this form must be on file at Duke Energy in order for the Vendor to receive incentive payments. Fax form to **513-419-5572** or email to SelfDirect@duke-energy.com.

I have read and understand the Mercantile Self Direct Incentive Program Requirements for Vendor Participation, and I agree to comply with all requirements set forth therein. By signing this agreement, I agree to provide my customers with information and documentation that is true and accurate to the best of my knowledge. I hereby represent and warrant that the Tax ID and Vendor Tax Status provided below are true and accurate. I agree that any confidential information concerning my customer, including but not limited to Duke Energy service account information, will be used for the sole purpose of facilitating the customer's participation in the Mercantile Self Direct Incentive Program. Further, I understand that I am responsible for making sure everyone working for me understands the requirements prior to soliciting customer participation.

Vendor Federal Tax ID Number	
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To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a third-party vendor. The third-party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the third-party vendor have signed confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, As you will not be qualified to participate in the incentive program.

Vendor Tax Status	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual/Sole Proprietor	<input type="checkbox"/> Partnership	<input type="checkbox"/> Other
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Contact me via	<input type="checkbox"/> Phone	<input type="checkbox"/> E-Mail	<input type="checkbox"/> Mail	
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Company Name	
Mailing Address	
City, State, Zip	
Phone/Fax	
Primary E-mail Address	
Secondary E-mail Address	
Vendor Signature	
Title	
Print Name	
Date	

For more information, call 1-866-380-9580 or visit www.duke-energy.com.

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 1-513-419-5572.

Mercantile customers, defined as using at least 700,000 kWh annually are eligible for the Mercantile Self Direct program. Please indicate mercantile qualification:

- ☐ a single Duke Energy Ohio account
☒ multiple accounts in Ohio (energy usage with other utilities may be counted toward the total)

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

Account Number	Annual Usage	Account Number	Annual Usage
2090-3690-01			

Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart Saver® Custom Incentive. Self Direct incentives 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 requirements dictate that certain projects that may be Prescriptive in nature under the Smart Saver program must be evaluated using the Custom process. Use the table on page two as a guide to determine which Self Direct program fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet. Where Mercantile Self Direct Prescriptive applications are listed, please refer to the measure list on that application. If your measure is not listed, you may be eligible for a Self Direct Custom rebate. Self Direct Custom applications, like Smart Saver Custom applications, should include detailed analysis of pre-project and post-project energy usage and project costs. Please indicate which type of rebate applications are included in the table provided on page two.

Please check each box to indicate completion 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.

Application Type	Replaced equipment at end of lifetime or because equipment failed**	Replaced fully operational equipment to improve efficiency***	New Construction
Lighting	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>	MSD Prescriptive Lighting <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> Custom Lighting Worksheet <input type="checkbox"/>
Heating & Cooling	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Window Films, Programmable Thermostats, & Guest Room Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>	MSD Prescriptive Heating & Cooling <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General and/or EMS Worksheet(s) <input type="checkbox"/>
Chillers & Thermal Storage	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Chillers & Thermal Storage <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Motors & Pumps	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Motors, Pumps & Drives <input checked="" type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
VFDs	Not Applicable	MSD Prescriptive Motors, Pumps & Drives <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom VFD Worksheet <input type="checkbox"/>	
Food Service	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Food Service <input type="checkbox"/>
			MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
Process	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	MSD Prescriptive Process <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>
		MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>	
Energy Management Systems	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>	MSD Custom Part 1 <input type="checkbox"/> MSD Custom EMS Worksheet <input type="checkbox"/>
Behavioral*** & No/Low Cost	MSD Custom Part 1 <input type="checkbox"/> MSD Custom General Worksheet <input type="checkbox"/>		

** Under the Self Direct program, failed equipment and equipment at the end of its useful life are evaluated differently than early replacement of fully functioning equipment. **All equipment replacements due to failure or old age will be evaluated via the Custom program.**

*** Please ensure that you include the age of the replaced equipment for measures classified as "Early Replacement" in your application as well as the estimated date that you would have otherwise replaced the existing equipment if you had not chosen a more energy efficient option.

**** Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application.

MERCANTILE SELF DIRECT Ohio Premium Motor/Pump/VFD Incentive Application

Questions? Call 1-863-380-9580 or visit www.duke-energy.com.

Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-419-5572.

Is this application: ☒ **NEW** (original) or ☐ **REVISED** (changes made to original application)

<input type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input checked="" type="checkbox"/> Education/K-12	<input type="checkbox"/> Healthcare	<input type="checkbox"/> Public Assembly
<input type="checkbox"/> Education Other	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Order/Safety
<input type="checkbox"/> Elder Care/Nursing Home	<input type="checkbox"/> Lodging	<input type="checkbox"/> Religious Worship/Church
<input type="checkbox"/> Food Sales/Grocery	<input type="checkbox"/> Retail (Small Box)	<input type="checkbox"/> Service
<input type="checkbox"/> Fast Food Restaurant	<input type="checkbox"/> Retail (Big Box)	<input type="checkbox"/> Warehouse
<input type="checkbox"/> Other:		

<input type="checkbox"/> Duke Energy Representative	<input type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input checked="" type="checkbox"/> Contractor / Vendor	<input type="checkbox"/> Other	

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

<input checked="" type="checkbox"/> All sections of application	<input checked="" type="checkbox"/> Invoice with make, model number, quantity and equipment manufacturer	<input checked="" type="checkbox"/> Tax ID number for payee	<input checked="" type="checkbox"/> Customer/vendor agree to Terms and Conditions
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Customer/Business	Cincinnati Public Schools	Contact	Don Elbe
Phone	614-580-3352	Account Number	2090-3690-01
Street Address (Where incentive should be mailed)	2651 Burnett Ave		
City	Cincinnati	State	OH Zip Code 45219
Installation Street Address	108 W Central Pkwy		
City	Cincinnati	State	OH Zip Code 45202
E-mail Address			

*Failure to provide the account number associated with the location where the installation took place will result in rejection of the application.

Vendor	Plug Smart	Contact	Lucas Dixon
Phone	614-580-3352	Fax	1-800-518-5576
Street Address	1275 Kinnear Road Suite 229		
City	Columbus	State	OH Zip Code 43212
E-mail Address	lucas.dixon@plugsmart.com		

If Duke Energy has questions about this application, who should we contact? ☐ Customer ☒ Vendor

Who should receive incentive payment?	<input checked="" type="checkbox"/> Customer	<input type="checkbox"/> Vendor (Customer must sign below)
I hereby authorize payment of incentive directly to the vendor:	Customer Signature (written signature)	
	Date	
Provide Tax ID Number for Payee	Customer Tax ID #	31-6000758
	Vendor Tax ID #	26-2368277

I have read and hereby agree to the Terms & Conditions and Program Requirements.

Customer Signature	<i>Don Elbe</i>	Vendor Signature	
Date	7-3-12	Date	
Title	Utility Mgmt. Coord.	Title	

Incentives are subject to change and may be discontinued at the sole discretion of Duke Energy. Equipment must be installed and operable to be eligible for incentives. As Federal Energy Policy Law changes, equipment efficiency requirements are subject to change.

Motor incentives will be removed from the Prescriptive Program effective March 31, 2011. To qualify for the current incentives, motors must be purchased by March 31, 2011 and installed by June 30, 2011. Applications must be received by September 30, 2011.

Certain motors will still be eligible for incentives using the custom program. Please refer to the Duke Energy Mercantile Self Direct website for further detail.

The Equipment below is (check one): ☒ New Equipment / New Construction
Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

Motor											
Motor	Make/Model or Catalog #	Quantity	Type	RPM	Incentive	HP	Installed Nominal Efficiency*	Annual Operating Hrs (Minimum of 2000)	Equipment Cost	Date Installed and Operable (mm/yy)	Total Incentive
1-5 HP	Baldor EM3211T	3	<input checked="" type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input checked="" type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$5/HP	3HP	89.5%	2800Hrs	\$1,106.85	12/09	\$45.00
7.5-20 HP	Baldor EM3311T	2	<input checked="" type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input checked="" type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$4/HP	7.5HP	91%	2800Hrs	\$1,147.06	12/09	\$60.00
25-100 HP			<input type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$2.50/HP	HP	%	Hrs			
125 – 250 HP			<input type="checkbox"/> OPEN <input type="checkbox"/> TEFC	<input type="checkbox"/> 1200 <input type="checkbox"/> 1800 <input type="checkbox"/> 3600	\$2/HP	HP	%	Hrs			

*** See page four for required efficiency levels for motors.**

*Incentive capped at 50% of project cost (equipment and external labor).

- Qualifying motors must be three-phase open drip (ODP) or totally enclosed fan cooled (TEFC) units with nominal speeds of 1200, 1800, or 3600 RPM.
- Efficiencies are to be full-load nominal efficiencies tested in accordance with IEE Standards 112, Method B. Please refer to attached table to determine qualifying efficiencies.
- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Motor shall be squirrel cage design and conform to NEMA Premium design A, B or C torque characteristics.
- Motor/pump load must be served by Duke Energy and installed in customer's facility.
- Replaced motors shall be disposed of or recycled (not to be resold or rewound).
- Motor(s) and pump(s) must operate a minimum of 2000 hours annually to be eligible.

The Equipment below is (check one): ☐ New Equipment / New Construction

Early replacement of existing equipment or replacement of failed equipment must apply for Self Direct Custom program.

High Efficiency Pumps								
Pump	Make/Model or Catalog #	Quantity	Incentive	Installed Nominal Efficiency* (pump curve)	Annual Operating Hrs (Minimum of 2000)	Equipment Cost	Date Installed and Operable (mm/yy)	Total Incentive
1.5 HP			\$61.00/PUMP	%	Hrs			
2 HP			\$87.50.00/PUMP	%	Hrs			
3 HP			\$87.50/PUMP	%	Hrs			
5 HP			\$85.00./PUMP	%	Hrs			
7.5 HP			\$124.50/PUMP	%	Hrs			
10 HP			\$82.50.00/PUMP	%	Hrs			
15 HP			\$145.00/PUMP	%	Hrs			
20 HP			\$200.00/PUMP	%	Hrs			
* See on page four for required efficiency levels for pumps. Pump curves are required.								

*Incentive capped at 50% of project cost (equipment and external labor).

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Motor/pump load must be served by Duke Energy and installed in customer's facility.
- Pump efficiency is based on the design point on the pump curve. Documentation of the pump curve is required to receive an incentive.
- The pump efficiency at the design point on the pump curve must meet nominal efficiencies as stated in table on page 4.
- Duplicative to the first bullet point.

The Equipment below is (check one): ☐ Retrofit
 Replacement of failed equipment or new construction is not eligible for incentives.

**Variable Frequency Drives (VFDs) – For Process Fluid Pumping Only
 (Retrofit* Application only)**

Process pumping does not include HVAC or swimming pool fluid pumping systems.

List Process Pumping Application

VFD**	Make/Model or Catalog #	Quantity	Incentive***	Annual Operating Hrs (Minimum of 2000)	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
5 HP			\$20.00/HP	Hrs			
7.5 HP			\$20.00/HP	Hrs			
10 HP			\$20.00/HP	Hrs			
15 HP			\$20.00/HP	Hrs			
20 HP			\$20.00/HP	Hrs			
25 HP			\$20.00/HP	Hrs			
30 HP			\$20.00/HP	Hrs			
40 HP			\$20.00/HP	Hrs			
50 HP			\$20.00/HP	Hrs			

***Retrofit only – incentives are only available for new VFDs installed on existing fluid process pump systems.**

**** VFDs over 50 HP and VFDs on new equipment are not eligible for prescriptive incentives, but may qualify through the custom program. Please refer to the custom webpage for guidance.**

*****Incentives are capped at 50% of project cost (equipment and external labor).**

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Variable Frequency Drive Fans & Pumps qualifying equipment must have 2000 annual run hours or more.
- A 3% impedance reactor on the AC input to the VSD is recommended to prevent damage to the VSD due to overvoltage from power factor correction and should be properly sized by your supplier. A 5% reactor may be recommended if there is additional harmonic distortion on the AC input lines due to other plant-specific causes.
- VFDs on new equipment do not qualify under this program; but may qualify through the custom program. Please refer to the Custom website for guidance. Incentives will be paid for the installation of **NEW** VFDs on existing fan/pump systems and process equipment only.
- Replacement of existing VFDs does not qualify for incentives.
- VFDs installed on redundant pumps do not qualify.
- VFDs installed in newly constructed facilities do not qualify for incentives.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- Existing throttling devices including inlet vanes, bypass dampers, and throttling valves must be removed or permanently disabled.
- . Duplicative to the first bullet point.

The Equipment below is (check one): ☐ Retrofit
 Replacement of failed equipment or new construction is not eligible for incentives.

**Variable Frequency Drives (VFDs) – Applied to HVAC Fans Only
 (Retrofit* Application only)**

VFD HVAC Applications (please check one):

☐ Supply Fan ☐ Cooling Tower Fan ☐ Return Fan
☐ Exhaust Fan

VFD**	Make/Model or Catalog #	Quantity	Incentive***	Annual Operating Hrs (Minimum of 2000)	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
1.5 HP			\$50.00/HP	Hrs			
2 HP			\$50.00/HP	Hrs			
3 HP			\$50.00/HP	Hrs			
5 HP			\$50.00/HP	Hrs			
7.5 HP			\$50.00/HP	Hrs			
10 HP			\$50.00/HP	Hrs			
15 HP			\$50.00/HP	Hrs			
20 HP			\$50.00/HP	Hrs			
25 HP			\$50.00/HP	Hrs			
30 HP			\$50.00/HP	Hrs			
40 HP			\$50.00/HP	Hrs			
50 HP			\$50.00/HP	Hrs			

* Retrofit only – incentives are only available for new VFDs installed on existing HVAC fan systems.

**VFDs over 50 HP and VFD's on new equipment are not eligible for prescriptive incentives, but may qualify through the custom program.

***Incentives are capped at 50% of project cost (equipment and external labor).

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Variable Frequency Drive Fans & Pumps qualifying equipment must have 2000 annual run hours or more.
- A 3% impedance reactor on the AC input to the VSD is recommended to prevent damage to the VSD due to overvoltage from power factor correction and should be properly sized by your supplier. A 5% reactor may be recommended if there is additional harmonic distortion on the AC input lines due to other plant-specific causes.
- VFDs on new equipment do not qualify under this program; but may qualify through the custom program. Please refer to the Custom website for guidance. Incentives will be paid for the installation of **NEW** VFDs on existing fan/pump systems and process equipment only.
- Replacement of existing VFDs does not qualify for incentives.
- VFDs installed on redundant pumps do not qualify.
- VFDs installed in newly constructed facilities do not qualify for incentives.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- Existing throttling devices including inlet vanes, bypass dampers, and throttling valves must be removed or permanently disabled.
- Duplicative to the first bullet point.

The Equipment below is (check one): ☐ Retrofit
 Replacement of failed equipment or new construction is not eligible for incentives.

**Variable Frequency Drives (VFDs) – Applied to HVAC Pumps Only
 (Retrofit* Application only)**

VFD HVAC Applications (please check one):

☐ Chilled Water Pump

☐ Condenser Pump

☐ Hot Water Pump

VFD**	Make/Model or Catalog #	Quantity	Incentive***	Annual Operating Hrs (Minimum of 2000)	Project Cost	Date Installed and Operable (mm/yy)	Total Incentive
1.5 HP			\$50.00/HP	Hrs			
2 HP			\$50.00/HP	Hrs			
3 HP			\$50.00/HP	Hrs			
5 HP			\$50.00/HP	Hrs			
7.5 HP			\$50.00/HP	Hrs			
10 HP			\$50.00/HP	Hrs			
15 HP			\$50.00/HP	Hrs			
20 HP			\$50.00/HP	Hrs			
25 HP			\$50.00/HP	Hrs			
30 HP			\$50.00/HP	Hrs			
40 HP			\$50.00/HP	Hrs			
50 HP			\$50.00/HP	Hrs			

* Retrofit only – incentives are only available for new VFDs installed on existing HVAC pumps systems.

**VFDs over 50 HP and VFDs on new equipment are not eligible for prescriptive incentives, but may qualify through the custom program. Please refer to the custom webpage for guidance.

***Incentives are capped at 50% of project cost (equipment and external labor).

- Installed equipment must be new. Used, rebuilt or rewound equipment is **not** eligible.
- Variable Frequency Drive Fans & Pumps qualifying equipment must have 2000 annual run hours or more.
- A 3% impedance reactor on the AC input to the VSD is recommended to prevent damage to the VSD due to overvoltage from power factor correction and should be properly sized by your supplier. A 5% reactor may be recommended if there is additional harmonic distortion on the AC input lines due to other plant-specific causes.
- VFDs on new equipment do not qualify under this program; but may qualify through the custom program. Please refer to the Custom website for guidance. Incentives will be paid for the installation of **NEW** VFDs on existing fan/pump systems and process equipment only.
- Replacement of existing VFDs does not qualify for incentives.
- VFDs installed on redundant pumps do not qualify.
- VFDs installed in newly constructed facilities do not qualify for incentives.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- Existing throttling devices including inlet vanes, bypass dampers, and throttling valves must be removed or permanently disabled.
- . Duplicative to the first bullet point.

Efficiencies for Premium Motor/Pump Measures

Nominal Efficiencies for "NEMA Premium" Induction Motors Rated 600 volts or less (random wound)						
	Open Drip Proof			Totally Enclosed Fan-Cooled		
HP	1200 RPM	1800 RPM	3600 RPM	1200 RPM	1800 RPM	3600 RPM
1	82.5	85.5	77.0	82.5	85.5	77.0
1.5	86.5	86.5	84.0	87.5	86.5	84.0
2	87.5	86.5	85.5	88.5	86.5	85.5
3	88.5	89.5	85.5	89.5	89.5	86.5
5	89.5	89.5	86.5	89.5	89.5	88.5
7.5	90.2	91.0	88.5	91.0	91.7	89.5
10	91.7	91.7	89.5	91.0	91.7	90.2
15	91.7	93.0	90.2	91.7	92.4	91.0
20	92.4	93.0	91.0	91.7	93.0	91.0
25	93.0	93.6	91.7	93.0	93.6	91.7
30	93.6	94.1	91.7	93.0	93.6	91.7
40	94.1	94.1	92.4	94.1	94.1	92.4
50	94.1	94.5	93.0	94.1	94.5	93.0
60	94.5	95.0	93.6	94.5	95.0	93.6
75	94.5	95.0	93.6	94.5	95.4	93.6
100	95.0	95.4	93.6	95.0	95.4	94.1
125	95.0	95.4	94.1	95.0	95.4	95.0
150	95.4	95.8	94.1	95.8	95.8	95.0
200	95.4	95.8	95.0	95.8	96.2	95.4
250	95.4	95.8	95.0	95.8	96.2	95.8

Nominal Efficiencies for Pumps	
HP	Efficiency
1.5	efficiency of 65% or more for system
2	efficiency of 65% or more for system
3	efficiency of 67% or more for system
5	efficiency of 70% or more for system
7.5	efficiency of 73% or more for system
10	efficiency of 75% or more for system
15	efficiency of 77% or more for system
20	efficiency of 77% or more for system

Program Requirements

Incentive Eligibility

- Incentives are only available to customers on a Duke Energy Ohio non-residential rate.
- Duke Energy Customers who purchase electric generation from an alternative supplier are eligible to participate.
- Incentive will not be paid until eligible equipment has been installed, is available to operate, and verification has been completed by Duke Energy staff as noted in the Term & Conditions stated below.
- Duke Energy reserves the right to revise incentive levels and/or qualifying efficiency levels at any time.
- Customer may assign the incentive to the vendor who installed/supplied the equipment. The customer's signature is required in the Payment Information section on page 1 of this form to assign the incentive to the vendor. Customer agrees that such an action constitutes an irrevocable assignment of the incentive. This assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount.
- Leased equipment is eligible for incentives providing the equipment meets the program requirements and the customer provides the required documentation noted on the Incentive Application Process page of this application.
- Any equipment which, either separately or as part of a project, has or will receive an incentive from any other Duke Energy program is ineligible.
- In no case will Duke Energy pay an incentive above the actual cost of the new equipment.
- Incentive recipient assumes all responsibilities for any tax consequences resulting from Duke Energy incentive payment.
- To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a 3rd party vendor. The 3rd party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the 3rd party vendor have signed a confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, as you will not be qualified to participate in the incentive program.

Terms and Conditions

I certify that this premise is served by Duke Energy (or an affiliate of Duke Energy), that the information provided herein is accurate and complete, and that I have purchased and installed the high efficiency equipment (indicated herein) for the business facility listed herein and not for resale. Attached is an itemized invoice for the indicated installed equipment. I understand that the proposed incentive payment from Duke Energy is subject to change based on verification and Duke Energy approval. I agree to Duke Energy verification of both the sales transaction and equipment installation which may include a site inspection from a Duke Energy representative or Duke Energy agent. I understand that I am not allowed to receive more than one incentive from Duke Energy on any piece of equipment. I also understand that my participation in the program may be taxable and that my company is solely responsible for paying all such taxes. I hereby agree to indemnify, hold harmless and release Duke Energy and its affiliates from any actions or claims in regards to the installation, operation and disposal of equipment (and related materials) covered herein including liability from an incidental or consequential damages. Duke Energy does not endorse any particular manufacturer, product or system design within these programs; does not expressly or implicitly warrant the performance of installed equipment (Contact your contractor for details regarding equipment warranties and 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.

Incentive Application Instructions

IMPORTANT NOTICE

Delays in processing incentive payments will occur if required documentation is not included with completed application(s).

1. Contact Duke Energy toll free at 866-380-9580 to confirm customer eligibility. Applications are available for download at www.duke-energy.com.
2. Review program and equipment requirements on the incentive application. (Page7)
3. Purchase and install eligible energy-efficient equipment.
4. Complete and submit application for equipment that was installed after 1/1/2008.
5. **The following items must be included to verify projects. If they are not included, it will delay payment of incentive.**
 - A. Itemized invoice for all equipment installed to include:
 - a. Equipment cost
 - b. Quantity per equipment type installed
 - c. Model # for each equipment type
 - d. Manufacturer's data sheet for each equipment model #.
 - B. **Make sure the account number provided on the cover page (customer information section) is associated with the location where the equipment was installed. If the account # does not match the address where the equipment was installed, the application will be rejected as ineligible.**
 - C. Provide required tax ID# for payee.
 - D. Customer must sign and date the application after reviewing the Terms and Conditions. If customer wishes to **assign payment of the incentive directly to the vendor**, the customer should circle the appropriate payee in the Payment Information section of the application and sign their name to authorize payment.
6. Duke Energy may require site verification of projects that have been self-installed, prior to payment of incentive.
8. Email the complete, signed application with all required documents to SelfDirect@duke-energy.com or fax to 513-419-5572.
8. A percentage of equipment installations will be site verified for quality assurance purposes. Once selected, a Duke Energy representative will contact the customer to arrange for the inspection. All incentive payments related to the project will be withheld until site verification is complete. There is no charge to the customer for these inspections.

Mercantile Self Direct Incentive Program Requirements for Vendor Participation

Program Overview

- Duke Energy offers its eligible non-residential customers the opportunity to increase profitability through energy cost savings and contribute to a cleaner environment by participating in our Mercantile Self Direct Incentive Program.
- Under the Duke Energy Mercantile Self Direct Incentive Program, Vendor is defined as any third party who:
 - Promotes the sale and installation of the high efficiency equipment for the customer. The Vendor will ensure that the eligible equipment is installed and operating before submitting the application or assisting the customer in completing the application.
 - Is responsible for the product sale only and is not required to ensure installation of the eligible equipment.
- All license requirements, if any, are solely the Vendor's responsibility. Participating Vendors include equipment contractors, equipment Vendors, equipment manufacturers and distributors, energy service companies, etc. The typical Vendor role is to contact/solicit eligible customers building new or retrofitting existing facilities and encourage the installation of the energy-efficient equipment offered in Duke Energy's program.
- Incentives are paid directly to customers unless the customer assigns the incentive to the Vendor. The assigned incentive must reduce the purchase price paid for the equipment by an equivalent amount. Incentives are taxable to the entity who receives the rebate check. Rebates greater than \$600 will be reported to the IRS unless documentation of tax exempt status is provided.
- Vendors may not represent to customers that Duke Energy endorses their specific products or services. Duke Energy does not endorse specific products, services, or companies – only energy-efficient technologies.
- Vendors may advise customers of their option to have Duke Energy make their rebate check(s) payable to the Vendor if the customer's rebate amount is being deducted from the total sale price in advance. The customer must complete and sign the Payment Release Authorization section of the Mercantile Self Direct Incentive Program Application.
- Vendors may use the words "Duke Energy's Mercantile Self Direct Incentive Program" in promotional materials or advertisements. Vendors may use the name Duke Energy in a text format to describe the Mercantile Self Direct Incentive Program, but are not permitted to use Duke Energy's logos.
- For Vendors who properly install the qualifying equipment, the equipment shall be installed and operating prior to an application being submitted. A percentage of each Vendor's installations will be subject to inspection by Duke Energy for verifying that the equipment is installed and operating. Vendors demonstrating high failure rates (based on a statistically significant sample) will have 100% of subsequent jobs inspected or may have their participation in the Mercantile Self Direct Incentive Program revoked by Duke Energy in its sole discretion.
- Vendors shall provide customers with applicable equipment warranty information for all measures installed. Vendors shall provide the required documentation for customers to apply for the rebate (invoices with model numbers and quantities, specification sheets for installed equipment, etc.) and assist customers in filling out the application.
- Vendors shall comply with all applicable local, state, and federal laws and codes when performing installation and related functions.
- Duke Energy reserves the right to revoke a Vendor's participation in Mercantile Self Direct Incentive Program if, in Duke Energy's sole judgment, the Vendor fails to comply with the program's guidelines and requirements.
- Mercantile Self Direct Incentive Program offerings may be modified or terminated without prior notice. Check Duke Energy's Web site for current program status.

Vendors can sign up to be on Duke Energy's Web site as a participating Vendor and be added to Duke Energy's e-mail distribution by emailing the Vendor Participation Agreement (VPA) to SelfDirect@duke-energy.com or faxing to **513-419-5572**.

Guidelines for Vendor Activities

- Vendors shall sign and return the attached VPA to Duke Energy prior to soliciting customer participation or when submitting an application. Rebate payments will not be released to a Vendor unless a signed VPA is on file.
- Vendors shall not misrepresent the nature of their role in the program. In particular, Vendors shall not state or imply to customers, or any persons, that the Vendor is employed by or working on Duke Energy's behalf.

For more information, call **1-866.380.9580** or visit www.duke-energy.com.

Mercantile Self Direct Rebate Program

Technology	Responsible for sales and not installs*	Responsible for sales and Installation*	Technology	Responsible for sales and not installs*	Responsible for sales and Installation*
Lighting	<input type="checkbox"/>	<input type="checkbox"/>	Thermal Storage	<input type="checkbox"/>	<input type="checkbox"/>
Heating Ventilation & Cooling	<input type="checkbox"/>	<input type="checkbox"/>	Pumps/Motors/VFDs	<input type="checkbox"/>	<input type="checkbox"/>
Food Service	<input type="checkbox"/>	<input type="checkbox"/>	Chillers	<input type="checkbox"/>	<input type="checkbox"/>
Water Heating	<input type="checkbox"/>	<input type="checkbox"/>	Refrigeration	<input type="checkbox"/>	<input type="checkbox"/>
Process Equipment (air compressors, injection molding, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	Window Film	<input type="checkbox"/>	<input type="checkbox"/>

* Check all that apply

Vendors who wish to be listed as a Mercantile Self Direct Incentive Program participating Vendor shall complete this form. A signed copy of this form must be on file at Duke Energy in order for the Vendor to receive incentive payments. Fax form to **513-419-5572** or email to SelfDirect@duke-energy.com.

I have read and understand the Mercantile Self Direct Incentive Program Requirements for Vendor Participation, and I agree to comply with all requirements set forth therein. By signing this agreement, I agree to provide my customers with information and documentation that is true and accurate to the best of my knowledge. I hereby represent and warrant that the Tax ID and Vendor Tax Status provided below are true and accurate. I agree that any confidential information concerning my customer, including but not limited to Duke Energy service account information, will be used for the sole purpose of facilitating the customer's participation in the Mercantile Self Direct Incentive Program. Further, I understand that I am responsible for making sure everyone working for me understands the requirements prior to soliciting customer participation.

Vendor Federal Tax ID Number	
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To qualify for Duke Energy incentives, applicants who provide their social security number as their federal tax identification number for tax purposes must sign and return the "Customer consent to release personal information" form ("Consent Form") along with the application. Incentive applications are processed by a third-party vendor. The third-party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the third-party vendor have signed confidentiality agreement to protect your personal information. If your social security number is your federal tax ID number and you elect not to sign the Consent Form, please do not send Duke Energy the application, As you will not be qualified to participate in the incentive program.

Vendor Tax Status	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual/Sole Proprietor	<input type="checkbox"/> Partnership	<input type="checkbox"/> Other
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Contact me via	<input type="checkbox"/> Phone	<input type="checkbox"/> E-Mail	<input type="checkbox"/> Mail	
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Company Name	
Mailing Address	
City, State, Zip	
Phone/Fax	
Primary E-mail Address	
Secondary E-mail Address	
Vendor Signature	
Title	
Print Name	
Date	

For more information, call 1-866-380-9580 or visit www.duke-energy.com.



Invoice Letter

Page 1 of 4

September 12, 2012

To whom it may concern:

This letter is to confirm for the **custom** rebate application, the lighting project and heat recovery wheels; and for the **prescriptive** rebate application, the occupancy sensors, premium efficiency motors, and a chiller were installed with a minimum unit cost listed below.

Building Name	SCPA (New)
Building Code	502
Address 1	108 West Central Pkwy
City Code	CINCINNATI
State Code	OH
Postal Code	

Custom Rebate Items	Quantity	Price/Fixture	Cost to Replace
502-ERU-1 - Heat Wheel (ERU-1)	1	10,000.00	10,000.00
502-ERU-2 - Heat Wheel (ERU-2)	1	10,000.00	10,000.00
502-LGHT-F2 - Metalux 2GR8 2' x 4' T8 troffer	87	77.00	6,699.00
502-LGHT-F22- Metalux 2GR8 2' x 2' T8 troffer	2	77.00	154.00
502-LGHT-F2X- Metalux 2GR8 2' x 4' T8 troffer	77	700.00	53,900.00
502-LGHT-F3 - Metalux 2GR8 2' x 4' T8 troffer 3 lamp	913	77.00	70,301.00
502-LGHT-F3X- Metalux 2GR8 2' x 4' T8 troffer 3 lamp, 2 ballast	187	700.00	130,900.00
502-LGHT-F4 - Metalux 2GR8 2' x 4' T8 troffer 4 lamp	100	77.00	7,700.00
502-LGHT-F4X- Metalux 2GR8 2' x 4' T8 troffer 4 lamp, 2 ballast	16	700.00	11,200.00
502-LGHT-F6 - Lumark Impact Quarter Sphere	5	77.00	385.00
502-LGHT-F6X- Lumark Impact Quarter Sphere	14	700.00	9,800.00
502-LGHT-F7 - Metalux F-Bay 15" x 4' High-Bay Industrial Luminaire 4 lamp	64	77.00	4,928.00
502-LGHT-F7X- Metalux F-Bay 15" x 4' High-Bay Industrial Luminaire 4 lamp	56	700.00	39,200.00
502-LGHT-F8 - Coventry P6 Pendant	69	77.00	5,313.00
502-LGHT-F8X- Coventry P6 Pendant	136	700.00	95,200.00
502-LGHT-F9X- Fail-Safe 2VRGC 2' x 4' troffer	21	700.00	14,700.00
502-LGHT-FD1- Portfolio C7142 Lens downlight	11	77.00	847.00
502-LGHT-FD2- Portfolio C8142 Lens downlight	67	77.00	5,159.00
502-LGHT-FD3- Coventry 10HF3T Lensed	3	77.00	231.00
502-LGHT-FD4- Portfolio CL9142 Lens downlight	22	77.00	1,694.00
502-LGHT-FI3- Metalux 2RDI 2' x 4' recessed 2 ballast	11	77.00	847.00
502-LGHT-FI8- Corelite Class A Indirect Suspended Fluorescent Luminaire	7	77.00	539.00
502-LGHT-FS1- Metalux MC 1' x 4' Surface modular	1	77.00	77.00
502-LGHT-FS2- Metalux 2M 2' x 4' Surface modular	7	77.00	539.00
502-LGHT-FS3- Metalux 2M 2' x 4' Surface modular, 3 lamp	1	77.00	77.00
502-LGHT-K1 - VP Wall Mount, Enclosed and gasketed incandescent	11	77.00	847.00



Invoice Letter

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September 12, 2012

Custom Rebate Items

	Quantity	Price/Fixture	Cost to Replace
502-LGHT-K2 - Nena 480 Sconce	10	77.00	770.00
502-LGHT-M1 - Lumark EB Enclosed & Gasketed Glass Benchmark	24	77.00	1,848.00
502-LGHT-MF1- Invue PHH Phocus Flood	4	575.00	2,300.00
502-LGHT-R1 - Portfolio HA3MR Lens Wall Wash	15	77.00	1,155.00
502-LGHT-S1 - RTX Cable-mounted	24	77.00	1,848.00
502-LGHT-S1X- RTX Cable-mounted	11	700.00	7,700.00
502-LGHT-S2 - Tommy pendant	8	77.00	616.00
502-LGHT-S3 - Slotlight Pro	9	77.00	693.00
502-LGHT-S3X- Slotlight Pro	5	700.00	3,500.00
502-LGHT-S4X- Slotlight Pro	1	700.00	700.00
502-LGHT-S5 - Ceiling Mounted D68-55 Luminaire	14	77.00	1,078.00
502-LGHT-55A- Ceiling Mounted D68-42 Luminaire	25	77.00	1,925.00
502-LGHT-S6X- TLS 9" Curved Lower Optics (12ft)	7	700.00	4,900.00
502-LGHT-57X- TLS 9" Curved Lower Optics (8ft)	1	700.00	700.00
502-LGHT-T3 - Halo Front Loading Gimbal Ring Lampholder	22	77.00	1,694.00
502-LGHT-W1 - Blade Large with Glass	10	77.00	770.00
502-LGHT-X1 - Sure-Lites CX Surface Mount Exit Light	100	175.00	17,500.00
502-LGHT-X2 - Sure-Lites CX Surface Mount Exit Light	15	175.00	2,625.00
502-LGHT-X3 - Sure-Lites ES Exit Light	15	175.00	2,625.00
502-LT-F22X - Metalux 2GR8 2' x 2' T8 troffer	2	700.00	1,400.00
502-LT-FC18 - SMC Fluorescent Strips	4	77.00	308.00
502-LT-FC24 - Metalux SNSM side mounted strip	6	77.00	462.00
502-LT-FC48 - Metalux SNSM side mounted strip	3	77.00	231.00
502-LT-FD3X - Coventry 10HF3T Lensed	22	700.00	15,400.00
502-LT-FD4X - Portfolio CL9142 Lens downlight	24	700.00	16,800.00
502-LT-FI12 - Corelite Class A Indirect Suspended Fluorescent Luminaire	37	77.00	2,849.00
502-LT-FI12X- Corelite Class A Indirect Suspended Fluorescent Luminaire	9	700.00	6,300.00
502-LT-FI22 - Metalux 2RDI 2' x 2' recessed	29	77.00	2,233.00
502-LT-FI22X- Metalux 2RDI 2' x 2' recessed	10	700.00	7,000.00
502-LT-FI3X - Metalux 2RDI 2' x 4' recessed 2 ballast	15	700.00	10,500.00
502-LT-FI8X - Corelite Class A Indirect Suspended Fluorescent Luminaire	1	700.00	700.00
502-LT-FR2X - Fluorescent Light	1	77.00	77.00
502-LT-FS2X - Metalux 2M 2' x 4' Surface Modular	5	700.00	3,500.00
502-LT-FS3X - Metalux 2M 2' x 4' Surface modular, 3 lamp, 2 ballast	12	700.00	8,400.00
502-LT-T1-WH- Halo Roundback Lampholders	48	77.00	3,696.00
502-LT-WF1X - Millenium Round MR17CSR ceiling/wall mount, semi-recessed	34	700.00	23,800.00

Custom Rebate Items Total	639,840.00
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Invoice Letter

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September 12, 2012

Prescriptive Rebate Items

	Quantity	Price/Fixture	Cost to Replace
502-AHU-A102- ODP Premium Efficiency Motor on Supply Fan (AHU-A102)	1	950.00	950.00
502-AHU-A401- ODP Premium Efficiency Motor on Supply Fan (AHU-A401)	1	950.00	950.00
502-AHU-A402- ODP Premium Efficiency Motor on Supply Fan (AHU-A402)	1	950.00	950.00
502-AHU-B201- ODP Premium Efficiency Motor on Supply Fan (AHU-B201)	1	950.00	950.00
502-AHU-B202- ODP Premium Efficiency Motor on Supply Fan (AHU-B202)	1	950.00	950.00
502-AHU-C103- ODP Premium Efficiency Motor on Supply Fan (AHU-C103)	1	950.00	950.00
502-AHU1-M - ODP Premium Efficiency Motor on Supply Fan (AHU-1)	1	950.00	950.00
502-AHU2-M - ODP Premium Efficiency Motor on Supply Fan (AHU-2)	1	950.00	950.00
502-AHU3-M - ODP Premium Efficiency Motor on Supply Fan (AHU-3)	1	950.00	950.00
502-AHU4-M - ODP Premium Efficiency Motor on Supply Fan (AHU-4)	1	950.00	950.00
502-CH-1 - Water-Cooled Chiller (WCC-1) (300 tons)	1	150,000.00	150,000.00
502-CH-2 - Water-Cooled Chiller (WCC-2) (300 tons)	1	150,000.00	150,000.00
502-ERU1-EF - ODP Premium Efficiency Motor on Exhaust Fan (ERU-1)	1	950.00	950.00
502-ERU1-SF - ODP Premium Efficiency Motor on Supply Fan (ERU-1)	1	950.00	950.00
502-ERU2-EF - ODP Premium Efficiency Motor on Exhaust Fan (ERU-2)	1	950.00	950.00
502-ERU2-SF - ODP Premium Efficiency Motor on Supply Fan (ERU-2)	1	950.00	950.00
502-OSC04-I - OSC04-IOW (450 sq. ft)	13	65.00	845.00
502-OSC05-M - OSC05-MOW (500 sq. ft, multi.)	113	65.00	7,345.00
502-OSC05-U - OSC05-UOW (500 sq. ft, ultrasonic)	2	65.00	130.00
502-OSC10-M - OSC10-MOW (1000 sq. ft, multi.)	94	65.00	6,110.00
502-OSC10-U - OSC10-UOW (1000 sq. ft, ultrasonic)	1	65.00	65.00
502-OSC15-I - OSC15-IOW (1500 sq. ft)	17	65.00	1,105.00
502-OSC20-M - OSC20-MOW (2000 sq. ft, multi.)	121	65.00	7,865.00
502-OSC20-U - OSC20-UOW (2000 sq. ft, ultrasonic)	4	65.00	260.00
502-OSCWWV-I- OSWWV-IOW (wide view)	7	65.00	455.00

Prescriptive Rebate Items Total	337,480.00
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Invoice Letter

Page 4 of 4

September 12, 2012

Thank you for your attention to this matter,

Don Elbe

9-19-12

Report Prepared by GBBN Architects, on behalf of
Don Elbe
Utility Management Coordinator

APPLICATION AND CERTIFICATE FOR PAYMENT**TO OWNER:**

CINCINNATI PUBLIC SCHOOLS
2315 IOWA AVENUE
CINCINNATI, OHIO 45206

PROJECT:

SCHOOL FOR CREATIVE & PERFORMING ARTS
108 W. CENTRAL PKWY
CINCINNATI, OHIO 45202

APPLICATION No: 21APPLICATION DATE: 6/22/09PERIOD TO: 6/30/09**FROM CONTRACTOR:**

BEACON ELECTRIC COMPANY
7815 REDSKY DRIVE
CINCINNATI, OHIO 45249

VIA ARCHITECT:

COLE & RUSSELL ARCHITECTS
537 E. PETE ROSE WAY
CINCINNATI, OHIO 45202

PROJECT NO: _____

CONTRACT DATE: 8/14/07CPS PO NUMBER: 526676CUSTOMER ACCT NO: 30620CONTRACT NO: 10960PO**CONTRACT FOR: School for Creative & Performing Arts****CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for payment as shown below, in connection with the Contract
Continuation sheet is attached.

1. ORIGINAL CONTRACT SUM.....\$	\$ 7,552,500.00
2. Net Change by Change Orders.....\$	\$ 373,684.00
3. CONTRACT SUM TO DATE.....\$	\$ 7,926,184.00
4. TOTAL COMPLETED & STORED TO DATE.....\$	\$ 5,856,788.25
5. RETAINAGE	
a. 8-50% of Completed Labor.....\$	83,424.16
b. 8% of Stored Material.....\$	25,834.32
Total Retainage.....\$	\$ 109,258.48
6. TOTAL EARNED LESS RETAINAGE.....\$	\$ 5,747,529.77
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT.....\$	\$ 5,011,576.58
8. CURRENT PAYMENT DUE.....\$	\$ 735,953.19
9. BALANCE TO FINISH, INCLUDING RETAINAGE.....\$	\$ 2,178,654.23

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	\$263,399.00	\$1,836.00
Total approved this month	\$112,121.00	\$0.00
TOTALS	\$375,520.00	\$1,836.00
NET CHANGES by Change Order	\$373,684.00	

The Contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the State have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

Contractor

Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

Architect

Date

Construction Manager

Date

Approved:

School District Treasurer

Date



Maureen L. Merke
MAUREEN L. MERKE
Notary Public, State of Ohio
My Commission Expires
July 8, 2013
1 OF 1

CONTINUATION SHEET

APPLICATION NUMBER: 21

PERIOD TO: 6/30/09

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H %	I BALANCE TO FINISH (C - G)	J RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F))					
	GENERAL CONDITIONS									
1	Bond / Insurance	Material	75,000.00	75,000.00	0.00	0.00	75,000.00	100.00%	0.00	\$ -
2	Permits & Fees	Material	35,000.00	29,750.00	350.00	0.00	30,100.00	86.00%	4,900.00	\$ -
3	GC Submittals	Labor	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00%	0.00	\$ 800.00
4	"	Material	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00%	0.00	\$ -
5	Clean Up	Labor	36,500.00	25,550.00	1,204.50	0.00	26,754.50	73.30%	9,745.50	\$ 2,140.36
6	"	Material	3,500.00	2,450.00	115.50	0.00	2,565.50	73.30%	934.50	\$ -
7	Punchlist	Labor	5,000.00	0.00	0.00	0.00	0.00	0.00%	5,000.00	\$ -
8	"	Material	2,500.00	0.00	0.00	0.00	0.00	0.00%	2,500.00	\$ -
9	Temporary Electric	Labor	54,000.00	52,920.00	0.00	0.00	52,920.00	98.00%	1,080.00	\$ 4,233.60
10	"	Material	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00%	0.00	\$ -
11	Allowances General #00300	Labor	-	0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
12	"	Material	100,000.00	87,833.00	1,806.00	0.00	89,639.00	89.64%	10,361.00	\$ -
13	Allowances DSL / TELE #00300	Labor	-	0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
14	"	Material	20,000.00	15,146.00	2,564.00	0.00	17,710.00	88.55%	2,290.00	\$ -
15	Close Out	Labor	10,000.00	0.00	0.00	0.00	0.00	0.00%	10,000.00	\$ -
16	"	Material	10,000.00	0.00	0.00	0.00	0.00	0.00%	10,000.00	\$ -
17	Attic Stock to owner	Material	5,000.00	0.00	0.00	0.00	0.00	0.00%	5,000.00	\$ -
18	Training	Labor	2,400.00	0.00	0.00	0.00	0.00	0.00%	2,400.00	\$ -
19	Project Manager	Labor	65,000.00	45,500.00	2,145.00	0.00	47,645.00	73.30%	17,355.00	\$ 3,811.60
20	Project Superintendent	Labor	50,000.00	35,000.00	1,650.00	0.00	36,650.00	73.30%	13,350.00	\$ 2,932.00
21	Safety	Labor	12,000.00	8,400.00	396.00	0.00	8,796.00	73.30%	3,204.00	\$ 703.68
22				0.00	0.00	0.00	0.00	0.00%	0.00	
23	ALTERNATE #E2 - Winch Electric	Labor	4,500.00	3,375.00	225.00	0.00	3,600.00	80.00%	900.00	\$ 288.00
24	"	Material	5,000.00	3,750.00	250.00	0.00	4,000.00	80.00%	1,000.00	\$ -
25				0.00	0.00	0.00	0.00	0.00%	0.00	
26				0.00	0.00	0.00	0.00	0.00%	0.00	
27				0.00	0.00	0.00	0.00	0.00%	0.00	
28	SITE WORK			0.00	0.00	0.00	0.00	0.00%	0.00	
29	Conduit - Brch & Fdr	Labor	55,000.00	46,750.00	0.00	0.00	46,750.00	85.00%	8,250.00	\$ 3,740.00
30	"	Material	40,000.00	34,000.00	0.00	0.00	34,000.00	85.00%	6,000.00	\$ -
31	Wire - Brch & Fd	Labor	45,000.00	0.00	0.00	0.00	0.00	0.00%	45,000.00	\$ -
32	"	Material	125,000.00	0.00	0.00	0.00	0.00	0.00%	125,000.00	\$ -
33	Light Fixtures	Labor	25,000.00	0.00	0.00	0.00	0.00	0.00%	25,000.00	\$ -
34	"	Material	-	0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
35	Trench / BF / Concrete	Labor	75,000.00	63,750.00	0.00	0.00	63,750.00	85.00%	11,250.00	\$ 5,100.00
36	"	Material	145,000.00	123,250.00	0.00	0.00	123,250.00	85.00%	21,750.00	\$ -
37				0.00	0.00	0.00	0.00	0.00%	0.00	
38				0.00	0.00	0.00	0.00	0.00%	0.00	
39				0.00	0.00	0.00	0.00	0.00%	0.00	
40				0.00	0.00	0.00	0.00	0.00%	0.00	
41				0.00	0.00	0.00	0.00	0.00%	0.00	
42				0.00	0.00	0.00	0.00	0.00%	0.00	
43				0.00	0.00	0.00	0.00	0.00%	0.00	
44				0.00	0.00	0.00	0.00	0.00%	0.00	
45				0.00	0.00	0.00	0.00	0.00%	0.00	
46				0.00	0.00	0.00	0.00	0.00%	0.00	
47				0.00	0.00	0.00	0.00	0.00%	0.00	
48	SHEET LABOR SUBTOTAL		449,400.00	291,245.00	5,620.50	0.00	296,865.50		152,534.50	23,749.24
49	SHEET MATERIAL SUBTOTAL		621,000.00	426,179.00	5,085.50	0.00	431,264.50		189,735.50	0.00
50	SUBTOTAL		\$ 1,070,400.00	\$ 717,424.00	\$ 10,706.00	\$ -	\$ 728,130.00	9.19%	\$ 342,270.00	\$ 23,749.24

CONTINUATION SHEET

APPLICATION NUMBER: 21

PERIOD TO: 6/30/09

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H %	I BALANCE TO FINISH (C - G)	J RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F)					
	LOWER FLOOR - AREA A									
1	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00	\$ 396.00
2	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
3	Conduit - Brch & Fdr	Labor	20,000.00	19,800.00	0.00	0.00	19,800.00	99.00%	200.00	\$ 1,584.00
4	"	Material	16,000.00	16,000.00	0.00	0.00	16,000.00	100.00%	0.00	\$ -
5	Wire - Brch & Fdr	Labor	10,000.00	9,900.00	0.00	0.00	9,900.00	99.00%	100.00	\$ 792.00
6	"	Material	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00%	0.00	\$ -
7	Light Fixtures	Labor	5,000.00	1,250.00	1,000.00	0.00	2,250.00	45.00%	2,750.00	\$ 180.00
8	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
9	Devices & Plates	Labor	1,500.00	0.00	0.00	0.00	0.00	0.00%	1,500.00	\$ -
10	"	Material	5,000.00	0.00	4,750.00	0.00	4,750.00	95.00%	250.00	\$ -
11				0.00	0.00	0.00	0.00	0.00%	0.00	
12				0.00	0.00	0.00	0.00	0.00%	0.00	
13				0.00	0.00	0.00	0.00	0.00%	0.00	
14	LOWER FLOOR - AREA B			0.00	0.00	0.00	0.00	0.00%	0.00	
15	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00	\$ 396.00
16	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
17	Conduit - Brch & Fdr	Labor	25,000.00	24,750.00	0.00	0.00	24,750.00	99.00%	250.00	\$ 1,980.00
18	"	Material	16,000.00	16,000.00	0.00	0.00	16,000.00	100.00%	0.00	\$ -
19	Wire - Brch & Fdr	Labor	17,500.00	17,325.00	0.00	0.00	17,325.00	99.00%	175.00	\$ 1,386.00
20	"	Material	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00%	0.00	\$ -
21	Light Fixtures	Labor	7,500.00	1,875.00	375.00	0.00	2,250.00	30.00%	5,250.00	\$ 180.00
22	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
23	Devices & Plates	Labor	2,000.00	0.00	0.00	0.00	0.00	0.00%	2,000.00	\$ -
24	"	Material	5,000.00	0.00	4,750.00	0.00	4,750.00	95.00%	250.00	\$ -
25				0.00	0.00	0.00	0.00	0.00%	0.00	
26				0.00	0.00	0.00	0.00	0.00%	0.00	
27				0.00	0.00	0.00	0.00	0.00%	0.00	
28	LOWER FLOOR - AREA C			0.00	0.00	0.00	0.00	0.00%	0.00	
29	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00	\$ 396.00
30	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
31	Conduit - Brch & Fdr	Labor	30,000.00	29,700.00	0.00	0.00	29,700.00	99.00%	300.00	\$ 2,376.00
32	"	Material	16,000.00	16,000.00	0.00	0.00	16,000.00	100.00%	0.00	\$ -
33	Wire - Brch & Fdr	Labor	20,000.00	19,800.00	0.00	0.00	19,800.00	99.00%	200.00	\$ 1,584.00
34	"	Material	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00%	0.00	\$ -
35	Light Fixtures	Labor	9,500.00	2,375.00	475.00	0.00	2,850.00	30.00%	6,650.00	\$ 228.00
36	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
37	Devices & Plates	Labor	2,500.00	0.00	0.00	0.00	0.00	0.00%	2,500.00	\$ -
38	"	Material	5,000.00	0.00	4,750.00	0.00	4,750.00	95.00%	250.00	\$ -
39				0.00	0.00	0.00	0.00	0.00%	0.00	
40				0.00	0.00	0.00	0.00	0.00%	0.00	
41				0.00	0.00	0.00	0.00	0.00%	0.00	
42				0.00	0.00	0.00	0.00	0.00%	0.00	
43				0.00	0.00	0.00	0.00	0.00%	0.00	
44				0.00	0.00	0.00	0.00	0.00%	0.00	
45				0.00	0.00	0.00	0.00	0.00%	0.00	
46				0.00	0.00	0.00	0.00	0.00%	0.00	
47				0.00	0.00	0.00	0.00	0.00%	0.00	
48	SHEET LABOR SUBTOTAL		165,500.00	141,625.00	1,850.00	0.00	143,475.00		22,025.00	\$ 11,478.00
49	SHEET MATERIAL SUBTOTAL		135,000.00	120,000.00	14,250.00	0.00	134,250.00		750.00	0.00
50	SUBTOTAL		\$ 300,500.00	\$ 261,625.00	\$ 16,100.00	\$ -	\$ 277,725.00	3.50%	\$ 22,775.00	\$ 11,478.00

CONTINUATION SHEET

APPLICATION NUMBER: 21

PERIOD TO: 6/30/09

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H %	I BALANCE TO FINISH (C - G)	J RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F)					
	1st FLOOR - AREA A									
1	Electrical Equipment	Labor	5,500.00	5,445.00	0.00	0.00	5,445.00	99.00%	55.00	\$ 435.60
2	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
3	Conduit - Brch & Fd	Labor	26,500.00	25,175.00	0.00	0.00	25,175.00	95.00%	1,325.00	\$ 2,014.00
4	"	Material	36,000.00	36,000.00	0.00	0.00	36,000.00	100.00%	0.00	\$ -
5	Wire - Brch & Fdr	Labor	19,000.00	15,200.00	950.00	0.00	16,150.00	85.00%	2,850.00	\$ 1,292.00
6	"	Material	54,000.00	48,600.00	2,700.00	0.00	51,300.00	95.00%	2,700.00	\$ -
7	Light Fixtures	Labor	10,000.00	1,500.00	500.00	0.00	2,000.00	20.00%	8,000.00	\$ 160.00
8	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
9	Devices & Plates	Labor	3,000.00	0.00	0.00	0.00	0.00	0.00%	3,000.00	\$ -
10	"	Material	10,000.00	0.00	9,500.00	0.00	9,500.00	95.00%	500.00	\$ -
11				0.00	0.00	0.00	0.00	0.00%	0.00	
12				0.00	0.00	0.00	0.00	0.00%	0.00	
13				0.00	0.00	0.00	0.00	0.00%	0.00	
14	1st FLOOR - AREA B									
15	Electrical Equipment	Labor	10,000.00	9,900.00	0.00	0.00	9,900.00	99.00%	100.00	\$ 792.00
16	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
17	Conduit - Brch & Fdr	Labor	36,500.00	27,375.00	5,475.00	0.00	32,850.00	90.00%	3,650.00	\$ 2,628.00
18	"	Material	36,000.00	32,400.00	3,600.00	0.00	36,000.00	100.00%	0.00	\$ -
19	Wire - Brch & Fdr	Labor	26,000.00	13,000.00	5,200.00	0.00	18,200.00	70.00%	7,800.00	\$ 1,456.00
20	"	Material	54,000.00	48,600.00	5,400.00	0.00	54,000.00	100.00%	0.00	\$ -
21	Light Fixtures	Labor	12,500.00	625.00	1,250.00	0.00	1,875.00	15.00%	10,625.00	\$ 150.00
22	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
23	Devices & Plates	Labor	4,000.00	0.00	0.00	0.00	0.00	0.00%	4,000.00	\$ -
24	"	Material	10,000.00	0.00	9,500.00	0.00	9,500.00	95.00%	500.00	\$ -
25				0.00	0.00	0.00	0.00	0.00%	0.00	
26				0.00	0.00	0.00	0.00	0.00%	0.00	
27				0.00	0.00	0.00	0.00	0.00%	0.00	
28	1st FLOOR - AREA C									
29	Electrical Equipment	Labor	11,000.00	10,890.00	0.00	0.00	10,890.00	99.00%	110.00	\$ 871.20
30	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
31	Conduit - Brch & Fdr	Labor	41,000.00	38,950.00	0.00	0.00	38,950.00	95.00%	2,050.00	\$ 3,116.00
32	"	Material	36,000.00	36,000.00	0.00	0.00	36,000.00	100.00%	0.00	\$ -
33	Wire - Brch & Fdr	Labor	30,000.00	22,500.00	1,500.00	0.00	24,000.00	80.00%	6,000.00	\$ 1,920.00
34	"	Material	54,000.00	48,600.00	5,400.00	0.00	54,000.00	100.00%	0.00	\$ -
35	Light Fixtures	Labor	15,000.00	1,500.00	750.00	0.00	2,250.00	15.00%	12,750.00	\$ 180.00
36	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
37	Devices & Plates	Labor	5,000.00	0.00	0.00	0.00	0.00	0.00%	5,000.00	\$ -
38	"	Material	10,000.00	0.00	9,500.00	0.00	9,500.00	95.00%	500.00	\$ -
39				0.00	0.00	0.00	0.00	0.00%	0.00	
40				0.00	0.00	0.00	0.00	0.00%	0.00	
41				0.00	0.00	0.00	0.00	0.00%	0.00	
42				0.00	0.00	0.00	0.00	0.00%	0.00	
43				0.00	0.00	0.00	0.00	0.00%	0.00	
44				0.00	0.00	0.00	0.00	0.00%	0.00	
45				0.00	0.00	0.00	0.00	0.00%	0.00	
46				0.00	0.00	0.00	0.00	0.00%	0.00	
47				0.00	0.00	0.00	0.00	0.00%	0.00	
48	SHEET LABOR SUBTOTAL		255,000.00	172,060.00	15,625.00	0.00	187,685.00		67,315.00	15,014.80
49	SHEET MATERIAL SUBTOTAL		300,000.00	250,200.00	45,600.00	0.00	295,800.00		4,200.00	0.00
50	SUBTOTAL		\$ 555,000.00	\$ 422,260.00	\$ 61,225.00	\$ -	\$ 483,485.00	6.10%	\$ 71,515.00	\$ 15,014.80

CONTINUATION SHEET

APPLICATION NUMBER: **21** PERIOD TO: **6/30/09**

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H %	I BALANCE TO FINISH (C - G)	J RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F)					
	2nd FLOOR - AREA A									
1	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00	\$ 396.00
2	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
3	Conduit - Brch & Fd	Labor	20,000.00	19,600.00	0.00	0.00	19,600.00	98.00%	400.00	\$ 1,568.00
4	"	Material	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00%	0.00	\$ -
5	Wire - Brch & Fdr	Labor	10,000.00	9,800.00	0.00	0.00	9,800.00	98.00%	200.00	\$ 784.00
6	"	Material	46,000.00	46,000.00	0.00	0.00	46,000.00	100.00%	0.00	\$ -
7	Light Fixtures	Labor	5,000.00	2,000.00	1,250.00	0.00	3,250.00	65.00%	1,750.00	\$ 280.00
8	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
9	Devices & Plates	Labor	1,500.00	0.00	150.00	0.00	150.00	10.00%	1,350.00	\$ 12.00
10	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00	\$ -
11				0.00	0.00	0.00	0.00	0.00%	0.00	
12				0.00	0.00	0.00	0.00	0.00%	0.00	
13				0.00	0.00	0.00	0.00	0.00%	0.00	
14	2nd FLOOR - AREA B			0.00	0.00	0.00	0.00	0.00%	0.00	
15	Electrical Equipment	Labor	5,000.00	4,000.00	500.00	0.00	4,500.00	90.00%	500.00	\$ 360.00
16	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
17	Conduit - Brch & Fdr	Labor	25,000.00	22,500.00	1,250.00	0.00	23,750.00	95.00%	1,250.00	\$ 1,900.00
18	"	Material	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00%	0.00	\$ -
19	Wire - Brch & Fdr	Labor	17,500.00	8,750.00	3,500.00	0.00	12,250.00	70.00%	5,250.00	\$ 980.00
20	"	Material	46,000.00	23,000.00	23,000.00	0.00	46,000.00	100.00%	0.00	\$ -
21	Light Fixtures	Labor	7,500.00	1,125.00	750.00	0.00	1,875.00	25.00%	5,625.00	\$ 150.00
22	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
23	Devices & Plates	Labor	2,000.00	0.00	0.00	0.00	0.00	0.00%	2,000.00	\$ -
24	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00	\$ -
25				0.00	0.00	0.00	0.00	0.00%	0.00	
26				0.00	0.00	0.00	0.00	0.00%	0.00	
27				0.00	0.00	0.00	0.00	0.00%	0.00	
28	2nd FLOOR - AREA C			0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
29	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00	\$ 396.00
30	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
31	Conduit - Brch & Fdr	Labor	30,000.00	29,400.00	0.00	0.00	29,400.00	98.00%	600.00	\$ 2,352.00
32	"	Material	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00%	0.00	\$ -
33	Wire - Brch & Fdr	Labor	20,000.00	18,000.00	1,000.00	0.00	19,000.00	95.00%	1,000.00	\$ 1,520.00
34	"	Material	46,000.00	46,000.00	0.00	0.00	46,000.00	100.00%	0.00	\$ -
35	Light Fixtures	Labor	9,500.00	3,800.00	2,375.00	0.00	6,175.00	65.00%	3,325.00	\$ 494.00
36	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
37	Devices & Plates	Labor	2,500.00	0.00	625.00	0.00	625.00	25.00%	1,875.00	\$ 50.00
38	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00	\$ -
39				0.00	0.00	0.00	0.00	0.00%	0.00	
40				0.00	0.00	0.00	0.00	0.00%	0.00	
41				0.00	0.00	0.00	0.00	0.00%	0.00	
42				0.00	0.00	0.00	0.00	0.00%	0.00	
43				0.00	0.00	0.00	0.00	0.00%	0.00	
44				0.00	0.00	0.00	0.00	0.00%	0.00	
45				0.00	0.00	0.00	0.00	0.00%	0.00	
46				0.00	0.00	0.00	0.00	0.00%	0.00	
47				0.00	0.00	0.00	0.00	0.00%	0.00	
48	SHEET LABOR SUBTOTAL		165,500.00	128,875.00	11,400.00	0.00	140,275.00		25,225.00	11,222.00
49	SHEET MATERIAL SUBTOTAL		252,000.00	205,000.00	45,800.00	0.00	250,800.00		1,200.00	0.00
50	SUBTOTAL		\$ 417,500.00	\$ 333,875.00	\$ 57,200.00	\$ -	\$ 391,075.00	4.93%	\$ 26,425.00	\$ 11,222.00

CONTINUATION SHEET

APPLICATION NUMBER: 21 PERIOD TO: 6/30/09

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H BALANCE TO FINISH (C - G)	I RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F)				
	3rd FLOOR - AREA A								
1	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00 \$ 396.00
2	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00 \$ -
3	Conduit - Brch & Fd	Labor	20,000.00	19,600.00	0.00	0.00	19,600.00	98.00%	400.00 \$ 1,568.00
4	"	Material	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00%	0.00 \$ -
5	Wire - Brch & Fdr	Labor	10,000.00	9,800.00	0.00	0.00	9,800.00	98.00%	200.00 \$ 784.00
6	"	Material	48,000.00	48,000.00	0.00	0.00	48,000.00	100.00%	0.00 \$ -
7	Light Fixtures	Labor	5,000.00	1,250.00	1,000.00	0.00	2,250.00	45.00%	2,750.00 \$ 180.00
8	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00 \$ -
9	Devices & Plates	Labor	1,500.00	0.00	0.00	0.00	0.00	0.00%	1,500.00 \$ -
10	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00 \$ -
11				0.00	0.00	0.00	0.00	0.00%	0.00
12				0.00	0.00	0.00	0.00	0.00%	0.00
13				0.00	0.00	0.00	0.00	0.00%	0.00
14	3rd FLOOR - AREA B								
15	Electrical Equipment	Labor	5,000.00	4,000.00	500.00	0.00	4,500.00	90.00%	500.00 \$ 360.00
16	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00 \$ -
17	Conduit - Brch & Fdr	Labor	25,000.00	17,500.00	2,500.00	0.00	20,000.00	80.00%	5,000.00 \$ 1,600.00
18	"	Material	32,000.00	28,800.00	3,200.00	0.00	32,000.00	100.00%	0.00 \$ -
19	Wire - Brch & Fdr	Labor	17,500.00	5,250.00	1,750.00	0.00	7,000.00	40.00%	10,500.00 \$ 560.00
20	"	Material	48,000.00	14,400.00	33,600.00	0.00	48,000.00	100.00%	0.00 \$ -
21	Light Fixtures	Labor	7,500.00	1,125.00	1,500.00	0.00	2,625.00	35.00%	4,875.00 \$ 210.00
22	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00 \$ -
23	Devices & Plates	Labor	2,000.00	0.00	0.00	0.00	0.00	0.00%	2,000.00 \$ -
24	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00 \$ -
25				0.00	0.00	0.00	0.00	0.00%	0.00
26				0.00	0.00	0.00	0.00	0.00%	0.00
27				0.00	0.00	0.00	0.00	0.00%	0.00
28	3rd FLOOR - AREA C								
29	Electrical Equipment	Labor	5,000.00	4,950.00	0.00	0.00	4,950.00	99.00%	50.00 \$ 396.00
30	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00 \$ -
31	Conduit - Brch & Fdr	Labor	30,000.00	29,400.00	0.00	0.00	29,400.00	98.00%	600.00 \$ 2,352.00
32	"	Material	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00%	0.00 \$ -
33	Wire - Brch & Fdr	Labor	20,000.00	16,000.00	2,000.00	0.00	18,000.00	90.00%	2,000.00 \$ 1,440.00
34	"	Material	48,000.00	43,200.00	4,800.00	0.00	48,000.00	100.00%	0.00 \$ -
35	Light Fixtures	Labor	9,500.00	2,375.00	950.00	0.00	3,325.00	35.00%	6,175.00 \$ 266.00
36	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00 \$ -
37	Devices & Plates	Labor	2,500.00	0.00	0.00	0.00	0.00	0.00%	2,500.00 \$ -
38	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00 \$ -
39				0.00	0.00	0.00	0.00	0.00%	0.00
40				0.00	0.00	0.00	0.00	0.00%	0.00
41				0.00	0.00	0.00	0.00	0.00%	0.00
42				0.00	0.00	0.00	0.00	0.00%	0.00
43				0.00	0.00	0.00	0.00	0.00%	0.00
44				0.00	0.00	0.00	0.00	0.00%	0.00
45				0.00	0.00	0.00	0.00	0.00%	0.00
46				0.00	0.00	0.00	0.00	0.00%	0.00
47				0.00	0.00	0.00	0.00	0.00%	0.00
48	SHEET LABOR SUBTOTAL		165,500.00	116,200.00	10,200.00	0.00	126,400.00		39,100.00 10,112.00
49	SHEET MATERIAL SUBTOTAL		264,000.00	198,400.00	64,400.00	0.00	262,800.00		1,200.00 0.00
50	SUBTOTAL		\$ 429,500.00	\$ 314,600.00	\$ 74,600.00	\$ -	\$ 389,200.00	4.91%	\$ 40,300.00 \$ 10,112.00

CONTINUATION SHEET

APPLICATION NUMBER: **21** PERIOD TO: **6/30/09**

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H %	I BALANCE TO FINISH (C - G)	J RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F)					
	4th FLOOR - AREA A									
1	Electrical Equipment	Labor	2,500.00	2,375.00	0.00	0.00	2,375.00	95.00%	125.00	\$ 190.00
2	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
3	Conduit - Brch & Fd	Labor	16,000.00	13,600.00	800.00	0.00	14,400.00	90.00%	1,600.00	\$ 1,152.00
4	"	Material	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00%	0.00	\$ -
5	Wire - Brch & Fdr	Labor	12,000.00	7,800.00	1,200.00	0.00	9,000.00	75.00%	3,000.00	\$ 720.00
6	"	Material	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00%	0.00	\$ -
7	Light Fixtures	Labor	3,000.00	300.00	450.00	0.00	750.00	25.00%	2,250.00	\$ 60.00
8	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
9	Devices & Plates	Labor	1,500.00	0.00	1,425.00	0.00	1,425.00	95.00%	75.00	\$ 114.00
10	"	Material	6,000.00	0.00	0.00	0.00	0.00	0.00%	6,000.00	\$ -
11	"			0.00	0.00	0.00	0.00	0.00%	0.00	
12	4th FLOOR - AREA B									
13	Electrical Equipment	Labor	3,500.00	2,975.00	175.00	0.00	3,150.00	90.00%	350.00	\$ 252.00
14	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
15	Conduit - Brch & Fdr	Labor	22,500.00	13,500.00	2,250.00	0.00	15,750.00	70.00%	6,750.00	\$ 1,260.00
16	"	Material	24,000.00	14,400.00	9,600.00	0.00	24,000.00	100.00%	0.00	\$ -
17	Wire - Brch & Fdr	Labor	15,000.00	3,000.00	4,500.00	0.00	7,500.00	50.00%	7,500.00	\$ 600.00
18	"	Material	32,000.00	6,400.00	25,600.00	0.00	32,000.00	100.00%	0.00	\$ -
19	Light Fixtures	Labor	3,500.00	525.00	350.00	0.00	875.00	25.00%	2,625.00	\$ 70.00
20	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
21	Devices & Plates	Labor	2,500.00	0.00	0.00	0.00	0.00	0.00%	2,500.00	\$ -
22	"	Material	6,000.00	0.00	0.00	0.00	0.00	0.00%	6,000.00	\$ -
23	"			0.00	0.00	0.00	0.00	0.00%	0.00	
24	4th FLOOR - AREA C									
25	Electrical Equipment	Labor	4,000.00	3,800.00	0.00	0.00	3,800.00	95.00%	200.00	\$ 304.00
26	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
27	Conduit - Brch & Fdr	Labor	25,500.00	21,675.00	1,275.00	0.00	22,950.00	90.00%	2,550.00	\$ 1,836.00
28	"	Material	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00%	0.00	\$ -
29	Wire - Brch & Fdr	Labor	17,000.00	11,050.00	1,700.00	0.00	12,750.00	75.00%	4,250.00	\$ 1,020.00
30	"	Material	32,000.00	32,000.00	0.00	0.00	32,000.00	100.00%	0.00	\$ -
31	Light Fixtures	Labor	4,500.00	675.00	450.00	0.00	1,125.00	25.00%	3,375.00	\$ 90.00
32	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
33	Devices & Plates	Labor	3,000.00	0.00	0.00	0.00	0.00	0.00%	3,000.00	\$ -
34	"	Material	6,000.00	0.00	5,700.00	0.00	5,700.00	95.00%	300.00	\$ -
35	"			0.00	0.00	0.00	0.00	0.00%	0.00	
36	Penthouse - AREA B & C									
37	Electrical Equipment	Labor	2,500.00	2,250.00	0.00	0.00	2,250.00	90.00%	250.00	\$ 180.00
38	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
39	Conduit - Brch & Fd	Labor	17,000.00	16,150.00	0.00	0.00	16,150.00	95.00%	850.00	\$ 1,292.00
40	"	Material	32,000.00	30,400.00	0.00	0.00	30,400.00	95.00%	1,600.00	\$ -
41	Wire - Brch & Fdr	Labor	14,000.00	11,900.00	0.00	0.00	11,900.00	85.00%	2,100.00	\$ 952.00
42	"	Material	48,000.00	40,800.00	0.00	0.00	40,800.00	85.00%	7,200.00	\$ -
43	Light Fixtures	Labor	3,000.00	2,250.00	300.00	0.00	2,550.00	85.00%	450.00	\$ 204.00
44	"	Material		0.00	0.00	0.00	0.00	0.00%	0.00	\$ -
45	Devices & Plates	Labor	2,500.00	0.00	0.00	0.00	0.00	0.00%	2,500.00	\$ -
46	"	Material	8,000.00	0.00	7,600.00	0.00	7,600.00	95.00%	400.00	\$ -
47	"			0.00	0.00	0.00	0.00	0.00%	0.00	
48	SHEET LABOR SUBTOTAL		175,000.00	113,825.00	14,875.00	0.00	128,700.00		46,300.00	10,296.00
49	SHEET MATERIAL SUBTOTAL		274,000.00	204,000.00	48,500.00	0.00	252,500.00		21,500.00	0.00
50	SUBTOTAL		\$ 449,000.00	\$ 317,825.00	\$ 63,375.00	\$ -	\$ 381,200.00	4.81%	\$ 67,800.00	\$ 10,296.00

CONTINUATION SHEET

APPLICATION NUMBER: **21** PERIOD TO: **6/30/09**

A ITEM NUMBER	B DESCRIPTION OF WORK		C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	% (G ÷ C)	H BALANCE TO FINISH (C - G)	I RETAINAGE 8% labor up to 50% stored material only
				PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F))					
1	Equipment & Systems									
2	LIGHT FIXTURES (INCLUDING THEATERS) (labor bkdw on floors & areas)	Material	1,005,500.00	553,025.00	150,825.00	0.00	703,850.00	70.00%	301,650.00	\$ -
3	SWGGEAR / XFRMS / PANELS / TVSS / BUS (labor bkdw on floors & areas)	Material	753,000.00	753,000.00	0.00	0.00	753,000.00	100.00%	0.00	\$ -
4	GENERATOR / ATS	Labor	15,000.00	14,250.00	0.00	0.00	14,250.00	95.00%	750.00	\$ 1,140.00
6	"	Material	86,000.00	86,000.00	0.00	0.00	86,000.00	100.00%	0.00	\$ -
7	FIRE ALARM	Labor	65,000.00	29,250.00	0.00	0.00	29,250.00	45.00%	35,750.00	\$ 2,340.00
8	"	Material	50,000.00	33,000.00	0.00	17,000.00	50,000.00	100.00%	0.00	\$ 1,360.00
9	CABLE TRAY	Labor	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00%	0.00	\$ 1,200.00
10	"	Material	19,000.00	19,000.00	0.00	0.00	19,000.00	100.00%	0.00	\$ -
11	TECH ROUGH IN - 16050T (voice & data)	Labor	74,000.00	62,900.00	3,700.00	0.00	66,600.00	90.00%	7,400.00	\$ 5,328.00
12	"	Material	296,000.00	224,861.00	0.00	65,219.00	290,080.00	98.00%	5,920.00	\$ 5,217.52
11	AUDIO VISUAL SYSTEM - 16732	Labor	174,000.00	26,100.00	8,700.00	0.00	34,800.00	20.00%	139,200.00	\$ 2,784.00
12	"	Material	696,000.00	174,000.00	34,800.00	139,200.00	348,000.00	50.00%	348,000.00	\$ 11,136.00
13	CENTRAL SOUND - 16823	Labor	17,000.00	8,500.00	1,700.00	0.00	10,200.00	60.00%	6,800.00	\$ 816.00
14	"	Material	72,000.00	50,600.00	0.00	17,800.00	68,400.00	95.00%	3,600.00	\$ 1,424.00
15	SOUND FIELD SYSTEM - 16940T	Labor	29,000.00	4,350.00	2,900.00	0.00	7,250.00	25.00%	21,750.00	\$ 580.00
16	"	Material	119,000.00	17,850.00	11,900.00	29,750.00	59,500.00	50.00%	59,500.00	\$ 2,380.00
17	BROADBAND - 16951T	Labor	9,000.00	3,150.00	3,150.00	0.00	6,300.00	70.00%	2,700.00	\$ 504.00
18	"	Material	37,000.00	12,950.00	12,950.00	0.00	25,900.00	70.00%	11,100.00	\$ -
17	INTERGRATED AUDIO - 16953T	Labor	70,000.00	7,000.00	3,500.00	0.00	10,500.00	15.00%	59,500.00	\$ 840.00
18	"	Material	283,000.00	28,300.00	14,150.00	0.00	42,450.00	15.00%	240,550.00	\$ -
19	NETWORK ELEC - 16962T	Labor	27,000.00	540.00	0.00	0.00	540.00	2.00%	26,460.00	\$ 43.20
20	"	Material	111,000.00	2,220.00	0.00	0.00	2,220.00	2.00%	108,780.00	\$ -
21	SECURITY ACCESS CONTROL - 16610	Labor	11,000.00	9,350.00	0.00	0.00	9,350.00	85.00%	1,650.00	\$ 748.00
22	"	Material	47,000.00	43,300.00	0.00	3,700.00	47,000.00	100.00%	0.00	\$ 296.00
23	SECURITY INTRUSION DETECTION - 16611	Labor	8,000.00	6,800.00	0.00	0.00	6,800.00	85.00%	1,200.00	\$ 544.00
24	"	Material	32,000.00	20,000.00	0.00	12,000.00	32,000.00	100.00%	0.00	\$ 960.00
25	SECURITY - CCTV - 16640	Labor	33,000.00	28,050.00	0.00	0.00	28,050.00	85.00%	4,950.00	\$ 2,244.00
26	"	Material	133,000.00	95,000.00	0.00	38,000.00	133,000.00	100.00%	0.00	\$ 3,040.00
27	SCOREKEEPING BOARD - 16660	Labor	1,500.00	0.00	0.00	0.00	0.00	0.00%	1,500.00	\$ -
28	"	Material	7,000.00	0.00	0.00	0.00	0.00	0.00%	7,000.00	\$ -
29	GROUND LOOP	Labor	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00%	0.00	\$ 400.00
30	"	Material	21,000.00	21,000.00	0.00	0.00	21,000.00	100.00%	0.00	\$ -
31	HOUSEKEEPING PADS	Labor	7,600.00	7,600.00	0.00	0.00	7,600.00	100.00%	0.00	\$ 608.00
32	"	Material	2,000.00	2,000.00	0.00	0.00	2,000.00	100.00%	0.00	\$ -
33	CO#001 & 006 - pco 026 x120 - security	Labor	4,000.00	3,400.00	200.00	0.00	3,600.00	90.00%	400.00	\$ 288.00
34	"	Material	19,149.00	16,276.65	957.45	0.00	17,234.10	90.00%	1,914.90	\$ -
35	CO#002 - pco 029 x122 - service yard	Labor	12,960.00	12,960.00	0.00	0.00	12,960.00	100.00%	0.00	\$ 1,036.80
36	"	Material	8,401.00	8,401.00	0.00	0.00	8,401.00	100.00%	0.00	\$ -
37	CO#003 - pco 056 x149 - kitchen	Labor	(789.00)	-789.00	0.00	0.00	-789.00	100.00%	0.00	\$ (63.12)
38	"	Material	(1,047.00)	-1,047.00	0.00	0.00	-1,047.00	100.00%	0.00	\$ -
39	CO#004 - pco 111 x205 - security	Labor	5,000.00	4,250.00	250.00	0.00	4,500.00	90.00%	500.00	\$ 360.00
40	"	Material	59,457.00	50,538.45	2,972.85	0.00	53,511.30	90.00%	5,945.70	\$ -
41	CO#005 - pco 025 x119 -feeders	Labor	25,879.00	25,879.00	0.00	0.00	25,879.00	100.00%	0.00	\$ 2,070.32
42	"	Material	9,837.00	9,837.00	0.00	0.00	9,837.00	100.00%	0.00	\$ -
43	CO#007 - pco 169 x260 - 300 seat lyntec brkrs	Labor	680.00	0.00	0.00	0.00	0.00	0.00%	680.00	\$ -
44	"	Material	260.00	0.00	0.00	260.00	260.00	100.00%	0.00	\$ 20.80
45	CO#008 - pco 170 x266 - type S3 fix curved w	Labor	1,114.00	0.00	0.00	0.00	0.00	0.00%	1,114.00	\$ -
46	"	Material	2,755.00	0.00	0.00	0.00	0.00	0.00%	2,755.00	\$ -
47	CO#009 - pco 158 x246 - Central Sound	Labor	18,759.00	18,759.00	0.00	0.00	18,759.00	100.00%	0.00	\$ 1,500.72
48	"	Material	28,478.00	28,478.00	0.00	0.00	28,478.00	100.00%	0.00	\$ -
49				0.00	0.00	0.00	0.00	0.00%	0.00	
50	SHEET LABOR SUBTOTAL		628,703.00	292,299.00	24,100.00	0.00	316,399.00		312,304.00	25,311.92
51	SHEET MATERIAL SUBTOTAL		3,896,790.00	2,248,590.10	228,555.30	322,929.00	2,800,074.40		1,096,715.60	25,834.32
52	SHEET SUBTOTAL		\$ 4,525,493.00	\$ 2,540,889.10	\$ 252,655.30	\$ 322,929.00	\$ 3,116,473.40	39.32%	\$ 1,409,019.60	\$ 51,146.24

CONTINUATION SHEET

APPLICATION NUMBER: 21

PERIOD TO: 6/30/09

A ITEM NUMBER	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT in D or E)	G TOTAL COMPLETED & STORED TO DATE (D + E + F)	H BALANCE TO FINISH (C - G)	I RETAINAGE 8% labor up to 50% stored material only
			PREVIOUS APPS. (D + E)	THIS PERIOD ((C x %) - D - F)				
1	CO#010 - pco 151 x12869 - tray convert to cor	Labor	2,082.00	2,082.00	0.00	2,082.00	0.00	\$ 166.56
2	"	Material	4,135.00	4,135.00	0.00	4,135.00	0.00	-
3	CO#011 - pco 162 x14650 OT holiday masonn	Labor	5,985.00	5,985.00	0.00	5,985.00	0.00	\$ 478.80
4	"	Material	-	0.00	0.00	0.00	0.00	-
5	CO#012 - pco 090 x183 - stair relay control	Labor	1,950.00	195.00	0.00	195.00	1,755.00	\$ 15.60
6	"	Material	4,094.00	4,094.00	0.00	4,094.00	0.00	-
7	CO#013 - pco 107 x200 - WF1X change light t	Labor	4,388.00	0.00	0.00	0.00	4,388.00	-
8	"	Material	12,502.00	0.00	0.00	0.00	12,502.00	-
7	CO#014 - pco 142 x250 - wtr meter pit light	Labor	419.00	0.00	209.50	209.50	209.50	\$ 16.76
8	"	Material	987.00	0.00	493.50	493.50	493.50	-
9	CO#015 - pco 269 x176 - technology sleeves	Labor	4,908.00	4,908.00	0.00	4,908.00	0.00	\$ 392.64
10	"	Material	10,021.00	10,021.00	0.00	10,021.00	0.00	-
11	CO#016 - pco 189 x261 - dark room electric ro	Labor	6,400.00	6,400.00	0.00	6,400.00	0.00	\$ 512.00
12	"	Material	8,550.00	8,550.00	0.00	8,550.00	0.00	-
13	CO#017 - pco 188 - x265 - Move Sound Trans	Labor	14,850.00	0.00	13,365.00	13,365.00	1,485.00	\$ 1,069.20
14	"	Material	15,424.00	0.00	13,881.60	13,881.60	1,542.40	-
13	CO#018 - pco 168 - x271 - Add Mic & Intercon	Labor	7,605.00	0.00	0.00	0.00	7,605.00	-
14	"	Material	5,502.00	0.00	0.00	0.00	5,502.00	-
15	CO#019 - pco 164 - x262 - Vol Cntl Override	Labor	7,433.00	0.00	3,716.50	3,716.50	3,716.50	\$ 297.32
16	"	Material	5,250.00	0.00	2,625.00	2,625.00	2,625.00	-
17	CO#020 - pco 190 - x274 - Security Monitors	Labor	358.00	0.00	0.00	0.00	358.00	-
18	"	Material	9,439.00	0.00	0.00	0.00	9,439.00	-
19	CO#021 - pco 116 - x211 - Welder Down Draft	Labor	2,439.00	0.00	609.75	609.75	1,829.25	\$ 48.78
20	"	Material	1,741.00	0.00	435.25	435.25	1,305.75	-
21	CO#022 & 033 - pco 194 - x284 Move Co.Sw	Labor	2,087.00	0.00	2,087.00	2,087.00	0.00	\$ 166.96
22	"	Material	2,318.00	0.00	2,318.00	2,318.00	0.00	-
23	CO#023 - pco 172 - x289 - Elev#1 Emg Ccts	Labor	4,352.00	0.00	1,088.00	1,088.00	3,264.00	\$ 87.04
24	"	Material	2,471.00	0.00	617.75	617.75	1,853.25	-
25	CO#024 - pco 183 - x275 Dye Exh Fan	Labor	1,665.00	0.00	0.00	0.00	1,665.00	-
26	"	Material	1,089.00	0.00	0.00	0.00	1,089.00	-
27	CO#025 - pco 185 - x276 Move Backbrd power	Labor	639.00	0.00	639.00	639.00	0.00	\$ 51.12
28	"	Material	114.00	0.00	114.00	114.00	0.00	-
29	CO#026 - pco - x	Labor	0.00	0.00	0.00	0.00	0.00	-
30	"	Material	0.00	0.00	0.00	0.00	0.00	-
31	CO#027 - pco 196 - x283 Rigging Cntl Recpt	Labor	1,160.00	0.00	580.00	580.00	580.00	\$ 46.40
32	"	Material	700.00	0.00	350.00	350.00	350.00	-
33	CO#028 - pco 197 - x285 Lyntec pnl feeder	Labor	695.00	0.00	0.00	0.00	695.00	-
34	"	Material	791.00	0.00	0.00	0.00	791.00	-
35	CO#029 - pco 198 - x287 AHU light/sw/recpt	Labor	2,680.00	0.00	0.00	0.00	2,680.00	-
36	"	Material	1,093.00	0.00	0.00	0.00	1,093.00	-
37	CO#030 - pco 199 - x288 Roof Maint recpt & lt	Labor	813.00	0.00	0.00	0.00	813.00	-
38	"	Material	508.00	0.00	0.00	0.00	508.00	-
39	CO#031 - pco 200 - x290 Dust Collector pwr	Labor	1,892.00	0.00	0.00	0.00	1,892.00	-
40	"	Material	2,685.00	0.00	0.00	0.00	2,685.00	-
41	CO#032 - pco 195 - x286 AHU Duct Smk Det	Labor	6,201.00	0.00	0.00	0.00	6,201.00	-
42	"	Material	8,376.00	0.00	0.00	0.00	8,376.00	-
43	"	Labor	0.00	0.00	0.00	0.00	0.00	-
44	"	Material	0.00	0.00	0.00	0.00	0.00	-
45	"	0.00	0.00	0.00	0.00	0.00	0.00	-
46	SHEET LABOR SUBTOTAL		81,001.00	19,570.00	22,294.75	41,864.75	39,136.25	\$ 3,349.18
47	SHEET MATERIAL SUBTOTAL		97,790.00	26,800.00	20,835.10	47,635.10	50,154.90	0.00
48	SHEET SUBTOTAL		\$ 178,791.00	\$ 46,370.00	\$ 43,129.85	\$ -	\$ 89,499.85	\$ 3,349.18

53	JOB TOTAL LABOR	2,085,604.00	1,275,699.00	105,965.25	-	1,381,664.25	17.43%	703,939.75	83,424.16	50%
54	JOB TOTAL MATERIAL	5,840,580.00	3,679,169.10	473,025.90	322,929.00	4,475,124.00	56.46%	1,365,456.00	25,834.32	
55	TOTAL	\$ 7,926,184.00	\$ 4,954,868.10	\$ 578,991.15	\$ 322,929.00	\$ 5,856,788.25	73.89%	\$ 2,069,395.75	\$ 109,258.48	

OK, WTH.

Said affiant further says that the following shows the names and addresses of every unpaid laborer in the employ of² BEACON ELECTRIC COMPANY furnishing labor under said contract, giving the amount, if any, which is, or to become due, for labor done to date hereof.

[illegible]

DAVE EARLYWINE

[illegible]

School for Creative & Performing Arts108 W. Central Parkway
Cincinnati, Ohio 45202*Received*
*6/24/09*Contractor's Name: **BEACON ELECTRIC COMPANY**
Address: 7815 REDSKY DRIVE, CINCINNATI, OHIO 45249Date: 06/22/09Application No. 21**Contractor Pay Application Summary**Project Name: **School for Creative and Performing Arts**
Bid Package No. **BP6 - Electrical & Technology**

1	Original Contract Amount	\$ 7,552,500.00
2	Net Changes to Date	\$ 373,684.00
3	Current Contract Amount	\$ 7,926,184.00
4	Labor Completed to Date	\$ 1,381,664.25
5	Material Completed to Date	\$ 4,475,124.00
6	Total Work Completed to Date	\$ 5,856,788.25
7	Store Material to Date	\$ 322,929.00
8	Less Retained to Date	\$ 109,258.48
9	Total Amount Due	\$ 5,747,529.77
10	Less Previous Payments	\$ 5,011,576.58
11	Less Amount Retained to Cover Lien	\$ -
12	Less Amount Retained for Liquidated Damages	\$ -
13	Less Other Amounts Withheld	\$ -
14	Current Due	\$ 735,953.19
15	Balance to Complete	\$ 2,178,654.23

*OK, WTH.***OSFC approval required for the following contract adjustments:**

1. Assessment of liquidated damages
2. Other amounts withheld

Ohio School Facilities Commission

Date

Comments:

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER: Cincinnati Public Schools
2315 Iowa Avenue
Cincinnati, OH 45206

PROJECT: School for Creative and Performing Arts
108 West Central Parkway
Cincinnati, OH 45202

APPLICATION No: 28.00
PERIOD TO: 12/31/09
PROJECT NOS:
CONTRACT DATE:

FROM CONTRACTOR: TP Mechanical Contractors
1500 Kemper Meadow Drive
Cincinnati, OH 45240

VIA ARCHITECT: Cole Russell + Fanning Howey + Moody Nolan
537 Pete Rose Way, Suite 200
Cincinnati, OH 45202



Cynthia A. Federle
Notary Public, State of Ohio
My Commission Expires 04-05-2014
Cynthia Federle

CONTRACT FOR:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment as shown below, in connection with the Contract
Continuation sheet is attached.

1. ORIGINAL CONTRACT SUM.....\$	5511777.00
2. Net Change by Change Orders.....\$	92584.67
3. CONTRACT SUM TO DATE.....\$	5604361.67
4. TOTAL COMPLETED & STORED TO DATE.....\$	5517417.30
5. RETAINAGE	
a. 8-50% of Completed Labor.....\$	170328.77
b. 8% of Stored Material.....\$	
Total Retainage.....\$	170328.77
6. TOTAL EARNED LESS RETAINAGE.....\$	5347088.53
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT.....\$	5327055.77
8. CURRENT PAYMENT DUE.....\$	20032.76
9. BALANCE TO FINISH, INCLUDING RETAINAGE.....\$	257273.14

The Contractor certified that the work covered by this pay request has been completed in accordance with the Contract Documents and that all progress payments previously paid by the State have been applied by the Contractor to discharge in full all of Contractor's obligations incurred in connection with the work covered by all prior pay requests.

[Signature]
Contractor

12/09/2009
Date

Based upon on-site observations, the firm affirms that the work has progressed to the percentage of completeness indicated on the pay request.

[Signature]
Architect

12/17/09
Date

William T. Hulser
Construction Manager

12/10/09
Date

Approved:

School District Treasurer

Date

Change Order/Contract	ADDITIONS	DEDUCTIONS
Total Changes approved in Previous months by Owner	92584.67	
Total approved this month		
TOTALS	92584.67	
NET CHANGES by Change Order	92584.67	

CONTINUATION SHEET

ITEM NUMBER	DESCRIPTION OF WORK		SCHEDULED VALUE	WORK COMPLETED		MATERIALS PRESENTLY STORED	TOTAL COMPLETED & STORED TO DATE	%	BALANCE TO FINISH	RETAINAGE
				PREVIOUS APPS.	THIS PERIOD					
	PLUMBING SUBMITTALS	L	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00%	0.00	1,600.00
	HVAC SUBMITTALS	L	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00%	0.00	0.00
	PERMITS / TESTS	L	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00%	0.00	2,000.00
	BONDS INSURANCE / HAZCOM / SAFETY	M	90,000.00	90,000.00	0.00	0.00	90,000.00	100.00%	0.00	0.00
	MOBILIZATION	L	36,000.00	36,000.00	0.00	0.00	36,000.00	100.00%	0.00	2,880.00
	DEMOBILIZATION	L	15,000.00	13,000.00	500.00	0.00	13,500.00	90.00%	1,500.00	0.00
	PROJECT MANAGER	L	138,900.00	138,360.00	200.00	0.00	138,560.00	99.76%	340.00	11,084.80
	PLUMBING SUPERINTENDENT	L	85,000.00	84,600.00	200.00	0.00	84,800.00	99.76%	200.00	0.00
	HVAC SUPERINTENDENT	L	130,000.00	129,600.00	200.00	0.00	129,800.00	99.85%	200.00	10,384.00
	CAD/COORDINATION DRAWINGS	L	94,696.00	94,696.00	0.00	0.00	94,696.00	100.00%	0.00	0.00
	WARRANTY	L	8,759.28	4,000.00	1,000.00	0.00	5,000.00	57.08%	3,759.28	400.00
	FIELD OPERATIONS	L	18,486.60	18,486.60	0.00	0.00	18,486.60	35.00%	0.00	0.00
	CONTRACT ALLOWANCE	M	75,000.00	12,372.00	12,271.00	0.00	24,643.00	32.86%	50,357.00	1,971.44
	DAILY CLEAN-UP	L	55,117.77	54,579.67	300.00	0.00	54,879.67	99.57%	238.10	0.00
	CLOSE OUT	L	50,000.00	49,500.00	200.00	0.00	49,700.00	99.40%	300.00	3,976.00
	PROJECT MEETINGS	L	27,500.00	27,325.00	75.00	0.00	27,400.00	99.64%	100.00	0.00
	PUNCHLIST	L	50,000.00	46,000.00	2,000.00	0.00	48,000.00	96.00%	2,000.00	3,840.00
	STARTUP & COMMISSIONING	L	22,565.00	22,200.00	265.00	0.00	22,465.00	99.56%	100.00	0.00
	TEMPERARY OFFICE AIR CONDITIONERS	L	3,800.00	3,800.00	0.00	0.00	3,800.00	100.00%	0.00	304.00
	TEMPERARY OFFICE AIR CONDITIONERS	M	14,000.00	14,000.00	0.00	0.00	14,000.00	100.00%	0.00	0.00
	UNDERGROUND ACID WASTE	L	10,657.00	10,657.00	0.00	0.00	10,657.00	100.00%	0.00	852.56
	UNDERGROUND ACID WASTE	M	22,819.00	22,819.00	0.00	0.00	22,819.00	100.00%	0.00	0.00
	BASEMENT ACID WASTE	L	2,660.00	2,660.00	0.00	0.00	2,660.00	100.00%	0.00	212.80
	BASEMENT ACID WASTE	M	13,832.00	13,832.00	0.00	0.00	13,832.00	100.00%	0.00	0.00
	LEVEL 1 ACID WASTE	L	4,935.00	4,935.00	0.00	0.00	4,935.00	100.00%	0.00	394.80
	LEVEL 1 ACID WASTE	M	25,662.00	25,662.00	0.00	0.00	25,662.00	100.00%	0.00	0.00
	LEVEL 2 ACID WASTE	L	8,995.00	8,995.00	0.00	0.00	8,995.00	100.00%	0.00	719.60
	LEVEL 2 ACID WASTE	M	46,774.00	46,774.00	0.00	0.00	46,774.00	100.00%	0.00	0.00
	LEVEL 3 ACID WASTE	L	12,635.00	12,635.00	0.00	0.00	12,635.00	100.00%	0.00	1,010.80
	LEVEL 3 ACID WASTE	M	65,702.00	65,702.00	0.00	0.00	65,702.00	100.00%	0.00	0.00
	LEVEL 4 ACID WASTE	L	8,505.00	8,505.00	0.00	0.00	8,505.00	100.00%	0.00	680.40
	LEVEL 4 ACID WASTE	M	44,226.00	44,226.00	0.00	0.00	44,226.00	100.00%	0.00	0.00
	PENTHOUSE ACID WASTE	L	350.00	350.00	0.00	0.00	350.00	100.00%	0.00	28.00
	PENTHOUSE ACID WASTE	M	1,820.00	1,820.00	0.00	0.00	1,820.00	100.00%	0.00	0.00
	UNDERGROUND SANITARY WASTE	L	26,350.00	26,350.00	0.00	0.00	26,350.00	100.00%	0.00	2,108.00
	UNDERGROUND SANITARY WASTE	M	37,285.00	37,285.00	0.00	0.00	37,285.00	100.00%	0.00	0.00
	BASEMENT SANITARY WASTE	L	19,728.00	19,728.00	0.00	0.00	19,728.00	100.00%	0.00	1,578.24
	BASEMENT SANITARY WASTE	M	19,728.00	19,728.00	0.00	0.00	19,728.00	100.00%	0.00	0.00
	LEVEL 1 SANITARY WASTE	L	25,380.00	25,380.00	0.00	0.00	25,380.00	100.00%	0.00	2,030.40
	LEVEL 1 SANITARY WASTE	M	25,380.00	25,380.00	0.00	0.00	25,380.00	100.00%	0.00	0.00
	LEVEL 2 SANITARY WASTE	L	28,296.00	28,296.00	0.00	0.00	28,296.00	100.00%	0.00	2,263.68
	LEVEL 2 SANITARY WASTE	M	28,296.00	28,296.00	0.00	0.00	28,296.00	100.00%	0.00	0.00
	LEVEL 3 SANITARY WASTE	L	12,528.00	12,528.00	0.00	0.00	12,528.00	100.00%	0.00	1,002.24
	LEVEL 3 SANITARY WASTE	M	12,528.00	12,528.00	0.00	0.00	12,528.00	100.00%	0.00	0.00
	LEVEL 4 SANITARY WASTE	L	11,412.00	11,412.00	0.00	0.00	11,412.00	100.00%	0.00	912.96
	LEVEL 4 SANITARY WASTE	M	11,412.00	11,412.00	0.00	0.00	11,412.00	100.00%	0.00	0.00
	PENTHOUSE SANITARY WASTE	L	1,188.00	1,188.00	0.00	0.00	1,188.00	100.00%	0.00	95.04
	PENTHOUSE SANITARY WASTE	M	1,188.00	1,188.00	0.00	0.00	1,188.00	100.00%	0.00	0.00
	UNDERGROUND STORM	L	18,215.00	18,215.00	0.00	0.00	18,215.00	100.00%	0.00	1,457.20
	UNDERGROUND STORM	M	15,500.00	15,500.00	0.00	0.00	15,500.00	100.00%	0.00	0.00
	BASEMENT STORM	L	6,144.60	6,144.60	0.00	0.00	6,144.60	100.00%	0.00	491.57
	BASEMENT STORM	M	8,256.00	8,256.00	0.00	0.00	8,256.00	100.00%	0.00	0.00
	LEVEL 1 STORM	L	14,574.00	14,574.00	0.00	0.00	14,574.00	100.00%	0.00	1,165.92
	LEVEL 1 STORM	M	26,372.00	26,372.00	0.00	0.00	26,372.00	100.00%	0.00	0.00
	LEVEL 2 STORM	L	4,242.00	4,242.00	0.00	0.00	4,242.00	100.00%	0.00	339.36
	LEVEL 2 STORM	M	7,680.00	7,680.00	0.00	0.00	7,680.00	100.00%	0.00	0.00
	LEVEL 3 STORM	L	3,444.00	3,444.00	0.00	0.00	3,444.00	100.00%	0.00	275.52
	LEVEL 3 STORM	M	6,232.00	6,232.00	0.00	0.00	6,232.00	100.00%	0.00	0.00
	LEVEL 4 STORM	L	14,448.00	14,448.00	0.00	0.00	14,448.00	100.00%	0.00	1,155.84
	LEVEL 4 STORM	M	26,980.00	26,980.00	0.00	0.00	26,980.00	100.00%	0.00	0.00
	PENTHOUSE STORM	L	2,478.00	2,478.00	0.00	0.00	2,478.00	100.00%	0.00	198.24
	PENTHOUSE STORM	M	4,484.00	4,484.00	0.00	0.00	4,484.00	100.00%	0.00	0.00
00400-J	LEVEL 1 COMPRESSED AIR	L	4,108.00	4,108.00	0.00	0.00	4,108.00	100.00%	0.00	328.64
	LEVEL 1 COMPRESSED AIR	M	3,081.00	3,081.00	0.00	0.00	3,081.00	100.00%	0.00	0.00
	LEVEL 2 COMPRESSED AIR	L	1,040.00	1,040.00	0.00	0.00	1,040.00	100.00%	0.00	83.20

LEVEL 2 COMPRESSED AIR	M	780.00	780.00	0.00	0.00	780.00	100.00%	0.00	0.00
LEVEL 3 COMPRESSED AIR	L	8,684.00	8,684.00	0.00	0.00	8,684.00	100.00%	0.00	694.72
LEVEL 3 COMPRESSED AIR	M	6,513.00	6,513.00	0.00	0.00	6,513.00	100.00%	0.00	0.00
LEVEL 4 COMPRESSED AIR	L	1,794.00	1,794.00	0.00	0.00	1,794.00	100.00%	0.00	143.52
LEVEL 4 COMPRESSED AIR	M	1,345.50	1,345.50	0.00	0.00	1,345.50	100.00%	0.00	0.00
PENTHOUSE COMPRESSED AIR	L	569.40	569.40	0.00	0.00	569.40	100.00%	0.00	45.55
PENTHOUSE COMPRESSED AIR	M	427.00	427.00	0.00	0.00	427.00	100.00%	0.00	0.00
PENTHOUSE CHILLED WATER	L	40,037.51	40,037.51	0.00	0.00	40,037.51	100.00%	(0.00)	3,203.00
PENTHOUSE CHILLED WATER	M	46,221.86	46,221.86	0.00	0.00	46,221.86	100.00%	0.00	0.00
BASEMENT CONDENSATE DRAINS	L	1,477.00	1,477.00	0.00	0.00	1,477.00	100.00%	0.00	118.16
BASEMENT CONDENSATE DRAINS	M	884.00	884.00	0.00	0.00	884.00	100.00%	0.00	0.00
LEVEL 1 CONDENSATE DRAINS	L	619.00	619.00	0.00	0.00	619.00	100.00%	0.00	49.52
LEVEL 1 CONDENSATE DRAINS	M	371.00	371.00	0.00	0.00	371.00	100.00%	0.00	0.00
LEVEL 2 CONDENSATE DRAINS	L	455.00	455.00	0.00	0.00	455.00	100.00%	0.00	36.40
LEVEL 2 CONDENSATE DRAINS	M	275.00	275.00	0.00	0.00	275.00	100.00%	0.00	0.00
PENTHOUSE CONDENSATE DRAINS	L	1,236.00	1,236.00	0.00	0.00	1,236.00	100.00%	0.00	98.88
PENTHOUSE CONDENSATE DRAINS	M	741.00	741.00	0.00	0.00	741.00	100.00%	0.00	0.00
PENTHOUSE CONDENSER WATER	L	25,763.37	25,763.37	0.00	0.00	25,763.37	100.00%	(0.00)	2,061.07
PENTHOUSE CONDENSER WATER	M	32,895.07	32,895.07	0.00	0.00	32,895.07	100.00%	0.00	0.00
BASEMENT HEATING HOT WATER	L	22,134.00	22,134.00	0.00	0.00	22,134.00	100.00%	0.00	1,770.72
BASEMENT HEATING HOT WATER	M	22,623.00	22,623.00	0.00	0.00	22,623.00	100.00%	0.00	0.00
LEVEL 1 HEATING HOT WATER	L	30,834.00	30,834.00	0.00	0.00	30,834.00	100.00%	0.00	2,466.72
LEVEL 1 HEATING HOT WATER	M	31,516.00	31,516.00	0.00	0.00	31,516.00	100.00%	0.00	0.00
LEVEL 2 HEATING HOT WATER	L	18,665.00	18,665.00	0.00	0.00	18,665.00	100.00%	0.00	1,493.20
LEVEL 2 HEATING HOT WATER	M	19,078.00	19,078.00	0.00	0.00	19,078.00	100.00%	0.00	0.00
LEVEL 3 HEATING HOT WATER	L	14,668.00	14,668.00	0.00	0.00	14,668.00	100.00%	0.00	1,173.44
LEVEL 3 HEATING HOT WATER	M	14,992.50	14,992.50	0.00	0.00	14,992.50	100.00%	0.00	0.00
LEVEL 4 HEATING HOT WATER	L	15,417.00	15,417.00	0.00	0.00	15,417.00	100.00%	0.00	1,233.36
LEVEL 4 HEATING HOT WATER	M	15,758.00	15,758.00	0.00	0.00	15,758.00	100.00%	0.00	0.00
PENTHOUSE HEATING HOT WATER	L	21,010.00	21,010.00	0.00	0.00	21,010.00	100.00%	0.00	1,680.80
PENTHOUSE HEATING HOT WATER	M	21,475.00	21,475.00	0.00	0.00	21,475.00	100.00%	0.00	0.00
BASEMENT DOMESTIC WATER	L	32,080.00	32,080.00	0.00	0.00	32,080.00	100.00%	0.00	2,566.40
BASEMENT DOMESTIC WATER	M	56,115.00	56,115.00	0.00	0.00	56,115.00	100.00%	0.00	0.00
LEVEL 1 DOMESTIC WATER	L	31,421.00	31,421.00	0.00	0.00	31,421.00	100.00%	0.00	2,513.68
LEVEL 1 DOMESTIC WATER	M	44,500.00	44,500.00	0.00	0.00	44,500.00	100.00%	0.00	0.00
LEVEL 2 DOMESTIC WATER	L	14,208.00	14,208.00	0.00	0.00	14,208.00	100.00%	0.00	1,136.64
LEVEL 2 DOMESTIC WATER	M	22,225.00	22,225.00	0.00	0.00	22,225.00	100.00%	0.00	0.00
LEVEL 3 DOMESTIC WATER	L	35,964.00	35,964.00	0.00	0.00	35,964.00	100.00%	0.00	2,877.12
LEVEL 3 DOMESTIC WATER	M	43,740.00	43,740.00	0.00	0.00	43,740.00	100.00%	0.00	0.00
LEVEL 4 DOMESTIC WATER	L	5,328.00	5,328.00	0.00	0.00	5,328.00	100.00%	0.00	426.24
LEVEL 4 DOMESTIC WATER	M	6,480.00	6,480.00	0.00	0.00	6,480.00	100.00%	0.00	0.00
PENTHOUSE DOMESTIC WATER	L	6,290.00	6,290.00	0.00	0.00	6,290.00	100.00%	0.00	503.20
PENTHOUSE DOMESTIC WATER	M	7,605.00	7,605.00	0.00	0.00	7,605.00	100.00%	0.00	0.00
BASEMENT NATURAL GAS	L	13,830.00	13,830.00	0.00	0.00	13,830.00	100.00%	0.00	1,106.40
BASEMENT NATURAL GAS	M	12,245.00	12,245.00	0.00	0.00	12,245.00	100.00%	0.00	0.00
LEVEL 1 NATURAL GAS	L	8,080.00	8,080.00	0.00	0.00	8,080.00	100.00%	0.00	646.40
LEVEL 1 NATURAL GAS	M	9,995.00	9,995.00	0.00	0.00	9,995.00	100.00%	0.00	0.00
LEVEL 2 NATURAL GAS	L	5,920.00	5,920.00	0.00	0.00	5,920.00	100.00%	0.00	473.60
LEVEL 2 NATURAL GAS	M	6,797.00	6,797.00	0.00	0.00	6,797.00	100.00%	0.00	0.00
LEVEL 3 NATURAL GAS	L	5,920.00	5,920.00	0.00	0.00	5,920.00	100.00%	0.00	473.60
LEVEL 3 NATURAL GAS	M	6,797.00	6,797.00	0.00	0.00	6,797.00	100.00%	0.00	0.00
LEVEL 4 NATURAL GAS	L	4,240.00	4,240.00	0.00	0.00	4,240.00	100.00%	0.00	339.20
LEVEL 4 NATURAL GAS	M	3,336.00	3,336.00	0.00	0.00	3,336.00	100.00%	0.00	0.00
PENTHOUSE NATURAL GAS	L	9,520.00	9,520.00	0.00	0.00	9,520.00	100.00%	0.00	761.60
PENTHOUSE NATURAL GAS	M	8,495.00	8,495.00	0.00	0.00	8,495.00	100.00%	0.00	0.00
REFRIGERATION PIPING	L	4,768.00	4,768.00	0.00	0.00	4,768.00	100.00%	0.00	381.44
REFRIGERATION PIPING	M	3,268.00	3,268.00	0.00	0.00	3,268.00	100.00%	0.00	0.00
BASEMENT DUCTWORK	L	54,563.00	54,563.00	0.00	0.00	54,563.00	100.00%	0.00	4,365.04
BASEMENT DUCTWORK	M	98,000.00	98,000.00	0.00	0.00	98,000.00	100.00%	0.00	0.00
LEVEL 1 DUCTWORK	L	43,979.30	43,979.30	0.00	0.00	43,979.30	100.00%	0.00	3,518.34
LEVEL 1 DUCTWORK	M	84,000.00	84,000.00	0.00	0.00	84,000.00	100.00%	0.00	0.00
LEVEL 2 DUCTWORK	L	36,176.00	36,176.00	0.00	0.00	36,176.00	100.00%	0.00	2,894.08
LEVEL 2 DUCTWORK	M	73,000.00	73,000.00	0.00	0.00	73,000.00	100.00%	0.00	0.00
LEVEL 3 DUCTWORK	L	33,364.00	33,364.00	0.00	0.00	33,364.00	100.00%	0.00	2,669.12
LEVEL 3 DUCTWORK	M	80,200.00	80,200.00	0.00	0.00	80,200.00	100.00%	0.00	0.00
LEVEL 4 DUCTWORK	L	22,306.00	22,306.00	0.00	0.00	22,306.00	100.00%	0.00	1,784.48
LEVEL 4 DUCTWORK	M	45,220.00	45,220.00	0.00	0.00	45,220.00	100.00%	0.00	0.00
PENTHOUSE DUCTWORK	L	35,207.00	35,207.00	0.00	0.00	35,207.00	100.00%	0.00	2,816.56
PENTHOUSE DUCTWORK	M	55,591.00	55,591.00	0.00	0.00	55,591.00	100.00%	0.00	0.00
AIR SIDE EQUIPMENT	L	49,894.06	49,894.06	0.00	0.00	49,894.06	100.00%	(0.00)	3,991.52

AIR SIDE EQUIPMENT	M	56,530.95	56,530.95	0.00	0.00	56,530.95	100.00%	0.00	0.00
DAMPERS & ACCESSORIES	L	3,857.06	3,857.06	0.00	0.00	3,857.06	100.00%	(0.00)	308.56
DAMPERS & ACCESSORIES	M	5,650.56	5,650.56	0.00	0.00	5,650.56	100.00%	0.00	0.00
SLEEVES, CORING & CAULKING	L	13,901.53	13,901.53	0.00	0.00	13,901.53	100.00%	(0.00)	1,112.12
SLEEVES, CORING & CAULKING	M	31,500.00	31,500.00	0.00	0.00	31,500.00	100.00%	0.00	0.00
EQUIPMENT PADS	L	9,500.00	9,500.00	0.00	0.00	9,500.00	100.00%	0.00	760.00
EQUIPMENT PADS	M	21,609.00	21,609.00	0.00	0.00	21,609.00	100.00%	0.00	0.00
PIPE IDENTIFICATION	L	1,761.00	1,761.00	0.00	0.00	1,761.00	100.00%	0.00	140.88
PIPE IDENTIFICATION	M	1,726.00	1,726.00	0.00	0.00	1,726.00	100.00%	0.00	0.00
PLUMBING EQUIPMENT	L	26,890.00	26,890.00	0.00	0.00	26,890.00	100.00%	0.00	2,151.20
PLUMBING EQUIPMENT	M	85,000.00	85,000.00	0.00	0.00	85,000.00	100.00%	0.00	0.00
EXCAVATION	L	21,104.09	21,104.09	0.00	0.00	21,104.09	100.00%	0.00	1,688.33
EXCAVATION	M	24,112.80	24,112.80	0.00	0.00	24,112.80	100.00%	0.00	0.00
PLUMBING FIXTURES	L	41,102.00	40,700.00	202.00	0.00	40,902.00	99.51%	200.00	3,272.16
PLUMBING FIXTURES	M	100,720.00	100,720.00	0.00	0.00	100,720.00	100.00%	0.00	0.00
DRAINAGE FIXTURES	L	56,538.00	56,538.00	0.00	0.00	56,538.00	100.00%	0.00	4,523.04
DRAINAGE FIXTURES	M	75,459.00	75,459.00	0.00	0.00	75,459.00	100.00%	0.00	0.00
BOILERS	L	18,000.00	18,000.00	0.00	0.00	18,000.00	100.00%	0.00	1,440.00
BOILERS	M	115,000.00	115,000.00	0.00	0.00	115,000.00	100.00%	0.00	0.00
CHILLERS	L	17,500.00	17,500.00	0.00	0.00	17,500.00	100.00%	0.00	1,400.00
CHILLERS	M	192,000.00	192,000.00	0.00	0.00	192,000.00	100.00%	0.00	0.00
COOLING TOWERS	L	21,000.00	21,000.00	0.00	0.00	21,000.00	100.00%	0.00	1,680.00
COOLING TOWERS	M	109,100.00	109,100.00	0.00	0.00	109,100.00	100.00%	0.00	0.00
HVAC PUMPS	L	27,231.00	27,231.00	0.00	0.00	27,231.00	100.00%	0.00	2,178.48
HVAC PUMPS	M	60,000.00	60,000.00	0.00	0.00	60,000.00	100.00%	0.00	0.00
HVAC TERMINAL UNITS	L	22,000.00	22,000.00	0.00	0.00	22,000.00	100.00%	0.00	1,760.00
HVAC TERMINAL UNITS	M	23,000.00	23,000.00	0.00	0.00	23,000.00	100.00%	0.00	0.00
AIR HANDLING UNITS	L	22,900.00	22,900.00	0.00	0.00	22,900.00	100.00%	0.00	1,832.00
AIR HANDLING UNITS	M	310,000.00	310,000.00	0.00	0.00	310,000.00	100.00%	0.00	0.00
VARIABLE FREQUENCY DRIVES	L	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00%	0.00	640.00
VARIABLE FREQUENCY DRIVES	M	75,989.00	75,989.00	0.00	0.00	75,989.00	100.00%	0.00	0.00
SUB TEMPERATURE CONTROL	S	357,000.00	354,520.00	1,480.00	0.00	356,000.00	99.72%	1,000.00	28,480.00
SUB INSULATION	S	286,314.00	285,610.00	704.00	0.00	286,314.00	100.00%	0.00	0.00
SUB BALANCING	S	34,650.00	6,000.00	2,000.00	0.00	8,000.00	23.09%	26,650.00	640.00
SUB CORING & SAWING	S	8,158.50	8,158.50	0.00	0.00	8,158.50	100.00%	0.00	0.00
SUB WATER TREATMENT	S	9,671.70	9,671.70	0.00	0.00	9,671.70	100.00%	0.00	773.74
CHANGE ORDERS									
NO. 1	L	54,757.00	54,757.00	0.00	0.00	54,757.00	100.00%	0.00	4,380.56
NO. 1	M	15,457.00	15,457.00	0.00	0.00	15,457.00	100.00%	0.00	0.00
NO. 2	L	10,359.00	10,359.00	0.00	0.00	10,359.00	100.00%	0.00	828.72
NO. 2	M	12,011.67	12,011.67	0.00	0.00	12,011.67	100.00%	0.00	0.00
TOTAL		5,604,361.67	5,495,820.30	21,597.00	0.00	5,517,417.30	98.45%	86,944.37	170,328.77

OK, WTH

Certified Payroll Report

TP MECHANICAL CONTRACTORS
2105 Schappelle Ln
Cincinnati OH 45240

Job: A1.697 SCHOOL OF CREATIVE & PERFORMING ARTS
1112 RACE STREET
CINCINNATI, OH 45202

GC Job#/Contract
State Job #

Week Ending 11-28-2009

*Received
12/10/09*

GARY		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Caucasian	MALE	32	\$736.00	40.00	920.00	221.96	197.46	500.58
FRANK		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Caucasian	MALE	32	\$768.00	40.00	960.00	207.57	21.97	730.46
BRANDON		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Caucasian	MALE	32	\$496.00	40.00	620.00	129.12	54.05	436.83
SHAWN		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
	MALE	32	\$1,142.08	40.00	1,427.60	452.01	20.60	954.99
RONALD		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
	MALE	24	\$779.40	40.00	1,298.40	284.13	90.53	923.74
Totals		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deduct	Net Paid
		152.00	\$3,921.48	200.00	5,226.00	1,294.79	384.61	3,546.60

Certified Payroll Report

TP MECHANICAL CONTRACTORS
2105 Schappelle Ln
Cincinnati OH 45240

Job: A1.697 SCHOOL OF CREATIVE & PERFORMING ARTS
1112 RACE STREET
CINCINNATI, OH 45202

GC Job#/Contract
State Job #

Week Ending 11-21-2009

WILFREDO		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
MALE								0.00
Hispanic								
GARY		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
MALE		40	\$920.00	40.00	920.00	225.79	197.46	496.75
Caucasian								
FRANK		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
MALE		40	\$960.00	40.00	960.00	211.60	21.97	726.43
Caucasian								
BRANDON		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
MALE		40	\$590.00	40.00	590.00	122.97	54.05	412.98
Caucasian								
SHAWN		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
MALE		32	\$1,142.08	40.00	1,427.60	452.01	20.60	954.99
Totals		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deduct	Net Paid
		152.00	\$3,612.08	160.00	3,897.60	1,012.37	294.08	2,591.15

Certified Payroll Report

T.M. MECHANICAL CONTRACTORS
2105 Schappelle Ln
Cincinnati OH 45240

Job: A1.697 SCHOOL OF CREATIVE & PERFORMING ARTS
1112 RACE STREET
CINCINNATI, OH 45202

GC Job#/Contract
State Job #

Week Ending 11-14-2009

WILFREDO

		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Hispanic	MALE	16	\$331.20	40.00	828.00	110.14	78.85	639.01

GARY

		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Caucasian	MALE	32	\$736.00	32.00	736.00	163.70	179.06	393.24

FRANK

		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Caucasian	MALE	40	\$960.00	44.50	1,122.00	255.64	25.21	841.15

BRANDON

		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
Caucasian	MALE	32	\$472.00	45.50	711.69	156.39	54.05	501.25

SHAWN

		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deducts	Net Paid
	MALE	26	\$927.94	40.00	1,427.60	450.73	20.60	956.27

Totals

		Total Hours	Project Gross	Total Hours All Jobs	Total Gross All Jobs	Taxes Withheld	Vol Deduct	Net Paid
		146.00	\$3,427.14	202.00	4,825.29	1,136.60	357.77	3,330.92

Cincinnati Public Schools

2315 Iowa Avenue
Cincinnati, Ohio 45206

Contractor's Name: TP Mechanical Contractors
Address: 2105 Schappelle Lane, Cinn.OH 45240

Received
12/10/09

Contractor Pay Application Summary

Project Name : Cincinnati School for the Creative and Performing Arts
Bid Package No. : #3 and #5

1	Original Contract Amount	\$	\$5,511,777.00
2	Net Changes to Date	\$	92584.67
3	Current Contract Amount	\$	5604361.67
4	Labor Completed to Date	\$	
5	Material Completed to Date	\$	
6	Total Work Completed to Date	\$	5517417.30
7	Stored Material to Date	\$	
8	Less Retained to Date	\$	170328.77
9	Total Amount Due	\$	5347088.53
10	Less Previous Payments	\$	5327055.77
11	Less Amount Retained to Cover Lien	\$	
12	Less Amount Retained for Liquidated Damages	\$	
13	Less Other Amounts Withheld	\$	
14	Current Due	\$	20032.76
15	Balance to Complete	\$	257273.14

OK, WTH.

OSFC approval required for the following contract adjustments:

1. Assessment of liquidated damages
2. Other amounts withheld

Ohio School Facilities Commission

Date

Comments:



DT-200 Series Dual Technology Ceiling/Wall Sensors

Combines passive infrared (PIR) and ultrasonic technologies

Auto set automatically selects optimal settings for each space

Walk-through mode increases savings potential



Built-in light level sensor

Accepts low-voltage switch input for manual-on operation

Automatic or manual-on operation when used with a BZ-150 Power Pack

PROJECT

LOCATION/TYPE

Product Overview

Description

WattStopper's DT-200 Series Dual Technology Ceiling Sensors combine PIR and ultrasonic technologies into one unit to achieve precise coverage in detecting occupancy.

Operation

Low voltage DT-200 Series Sensors utilize a WattStopper power pack to turn lights on when both PIR and ultrasonic technologies detect occupancy. They can also work with a low voltage switch for manual-on operation. PIR technology senses motion via a change in infrared energy within the controlled area, whereas ultrasonic uses 40 kHz high frequency ultrasound. Once on, detection by either technology holds lights on. When no occupancy is detected for the length of the time delay, lights turn off. DT-200 Series Sensors can also be set to trigger lights on when either technology or both detect occupancy, or to require both technologies to hold lighting on.

Auto set

The DT-200 requires no adjustment at installation. Auto set continuously monitors the controlled space to identify usage patterns. Based on these patterns, units automatically adjust time delay and sensitivity settings for optimal performance and energy efficiency. Sensors assign short delays (as low as five minutes) for times when the space is usually vacant, and longer delays (up to 30 minutes) for busier times.

Application

DT-200 Series Sensors have the flexibility to work in a variety of applications. Mounted at ten feet, the sensors can cover up to 2000 square feet of walking motion and 1000 square feet of desktop motion. The sensors are designed to control lighting in difficult applications where one technology alone could encounter false triggers. The DT-200 works well in classrooms, warehouses, large offices, open office spaces and computer rooms.

Features

- Advanced control logic based on RISC microcontroller provides:
 - Detection Signature Processing to eliminate false triggers and provides immunity to RFI and EMI
 - Walk-through Mode turns lights off three minutes after the area is initially occupied – ideal for brief visits, such as mail delivery
 - Available with built-in light level sensor featuring simple, one-step setup
- Sensors work with low-voltage momentary switches to provide manual control
- LEDs indicate occupancy detection
- Eight occupancy logic options provide the ability to customize control to meet application needs
- Available with isolated relay for integration with BAS or HVAC
- Swivel mounting bracket for convenient corner mounting to wall or ceiling
- Qualifies for ARRA-funded public works projects

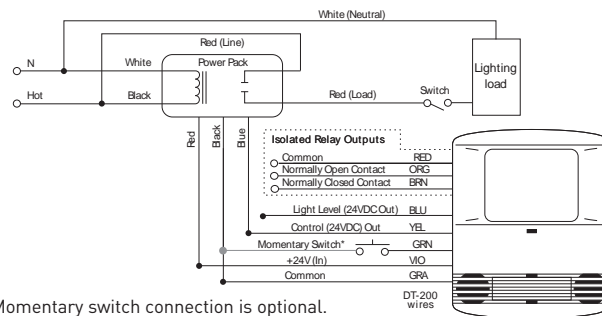


Specifications

- 24 VDC/VAC and halfwave rectified AC
- 40 kHz frequency ultrasonic transmission
- Time delays: Auto set, fixed (5, 10, 15, 20 or 30 minutes), Walk-through/Test Modes
- Sensitivity adjustment: Auto set; reduced sensitivity (PIR); variable with trim pot (ultrasonic)
- Built-in light level sensor: 2 to 200 footcandles (21 to 2,152 lux)
- Low voltage, momentary switch input for manual operation
- DT-200 contains an isolated relay with N/O and N/C outputs; rated for 1 Amp at 24 VDC/VAC
- 2000 ft² of walking motion mounted at 10 ft; 1000 ft² of desktop motion
- Max. DT-200s per power pack: B=2, BZ=3
Max. DT-205s per power pack: B=3, BZ=4
- Dimensions: 4.4" x 3.4" x 2" (110.3mm x 85.9mm x 49.6mm) L x W x D
- UL and cUL listed
- Five year warranty

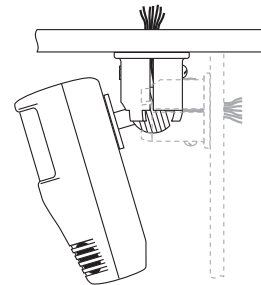
Wiring & Mounting

Wiring Diagram



*Momentary switch connection is optional.
Connect only when momentary switch is installed.

Mounting



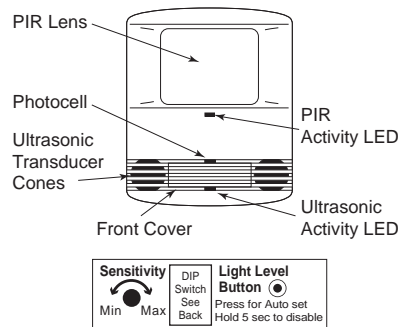
A swivel mounting bracket attached to the sensor allows the sensor to be angled for wall or ceiling mounting.

Grooves on the bracket help to achieve desired angle for coverage.

Mount to mud ring.

Controls & Settings

Product Controls



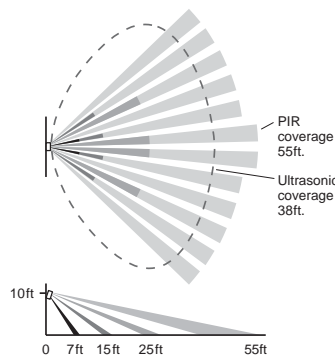
DIP Switch Settings

◀ = Factory Setting
● = ON
- = OFF

		Switch#		
		1	2	3
Occupancy Logic	Standard	-	-	-
	Option 1	●	-	-
	Option 2	-	●	-
	Option 3	●	●	-
	Option 4	-	●	●
	Option 5	●	●	●
	Option 6	-	●	●
	Option 7	●	●	●
Time Delay		4	5	6
5 sec/SmartSet		●	-	-
5 minutes		-	●	-
10 min.		-	-	●
10 minutes		-	●	●
15 min.		●	-	-
15 minutes		●	●	-
20 minutes		-	-	●
30 min.		●	●	●
		= walk-through mode		
LEDs		7		
Disabled		-	-	-
Enabled		●	-	-
PIR Sensitivity		8		
Minimum		-	-	-
Max./SmartSet		●	-	-

Coverage

Coverage Pattern



Coverages shown are maximum and represent half-step walking motion. Under ideal conditions with no barriers or obstacles, coverage for half-step walking motion can reach up to 2000 ft², while coverage for typical desktop activity can reach up to 1000 ft².

Ordering Information

Catalog No.	Voltage	Current	Coverage	Features
<input type="checkbox"/> DT-200	24 VDC	43 mA	2000 ft ² [185.8 m ²]	light level, isolated relay
<input type="checkbox"/> DT-205	24 VDC	35 mA	2000 ft ² [185.8 m ²]	

Sensors are white and use WattStopper power packs. Current consumption can be slightly higher when only one sensor per power pack is used.

DT-300 Series Dual Technology Ceiling Sensors

Architecturally appealing
low-profile appearance

Auto set automatically
selects optimal settings
for each space

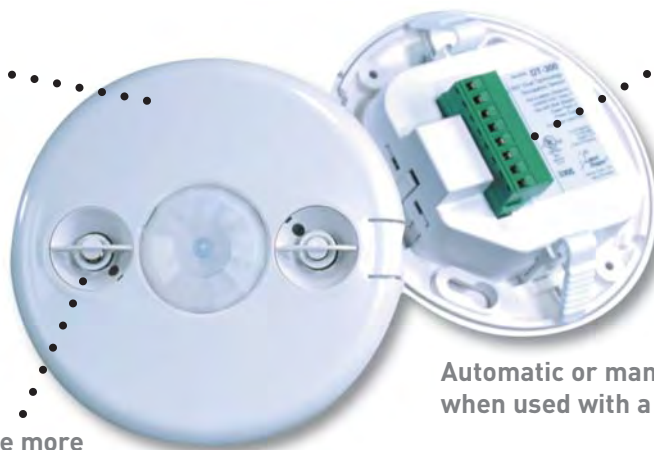
Walk-through mode
increases savings potential

Ultrasonic diffusers give more
comprehensive coverage

Plug terminal wiring for
quick and easy installation

Accepts low-voltage
switch input for
manual-on operation

Automatic or manual-on operation
when used with a BZ-150 Power Pack



PROJECT

LOCATION/TYPE

Product Overview

Description

The DT-300 Series Dual Technology Ceiling Sensors combine the benefits of passive infrared (PIR) and ultrasonic technologies to detect occupancy. Sensors have a flat, unobtrusive appearance and provide 360 degrees of coverage.

Operation

Low voltage DT-300 Series sensors utilize a WattStopper power pack to turn lights on when both PIR and ultrasonic technologies detect occupancy. They can also work with a low voltage switch for manual-on operation. PIR technology senses motion via a change in infrared energy within the controlled area, whereas ultrasonic uses 40KHz high frequency ultrasound. Once lights are on, detection by either technology holds them on. When no occupancy is detected for the length of the time delay, lights turn off. DT-300 Series Sensors can also be set to trigger lights on when either technology or both detect occupancy, or to require both technologies to hold lighting on.

Auto Set

The DT-300 requires no adjustment at installation. Auto set continuously monitors the controlled space to identify usage patterns. Based on these patterns, the unit automatically adjusts time delay and sensitivity settings for optimal performance and energy efficiency. Sensors assign short delays (as low as five minutes) for times when the space is usually vacant, and longer delays (up to 30 minutes) for busier times.

Application

DT-300 Series Dual Technology Sensors have the flexibility to work in a variety of applications, where one technology alone could cause false triggers. Ideal applications include classrooms, open office spaces, large offices and computer rooms. The DT-300 Series mounting system makes them easy to install in ceiling tiles or to junction boxes, providing the flexibility to be used in a wide range of spaces.

Features

- Advanced control logic based on RISC microcontroller provides:
- Detection Signature Processing eliminates false triggers and provides immunity to RFI and EMI
- Walk-through mode turns lights off three minutes after the area is initially occupied – ideal for brief visits such as mail delivery
- Available with built-in light level sensor featuring simple, one-step setup
- Sensors work with low-voltage momentary switches to provide manual control
- Patented ultrasonic diffusion technology spreads coverage to a wider area
- LEDs indicate occupancy detection
- Uses plug terminal wiring system for quick and easy installation
- Eight occupancy logic options provide the ability to customize control to meet application needs
- Available with isolated relay for integration with BAS or HVAC
- Qualifies for ARRA-funded public works projects

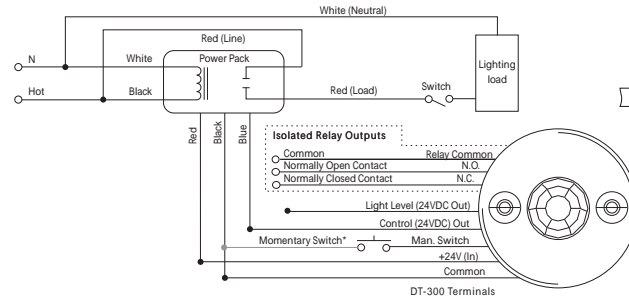


Specifications

- 24 VDC/VAC
- Ultrasonic frequency: 40kHz
- Time delays: Auto set, fixed (5, 10, 15, 20, or 30 minutes), Walk-through/Test Modes
- Sensitivity adjustment: Auto set; reduced sensitivity (PIR); variable with trim pot (ultrasonic)
- Built-in light level sensor: 10 to 300 footcandles (107.6 to 3,229.2 lux)
- Low-voltage, momentary switch input for manual on or off operation

Wiring & Mounting

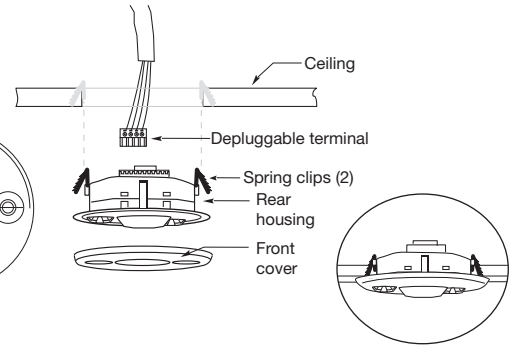
Wiring Diagram



*Momentary switch connection is optional.
Connect only when momentary switch is installed.

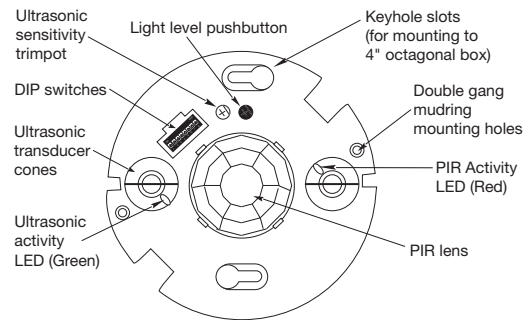
- DT-300 contains an isolated relay with N/O and N/C outputs; rated for 1 Amp @ 30 VDC/VAC
- Multi-level Fresnel lens provides 360° coverage
- Mounting options: ceiling tile; 4" octagonal J-box, 1.5" deep
- Max DT-300s per power pack: B=2, BZ=3
- Max DT-305s per power pack: B=3, BZ=4
- Dimensions: 4.50" diameter x 1.02" deep (114.3mm x 25.9mm)
- UL and cUL listed
- Five year warranty

Ceiling Mounting



Controls & Settings

Product Controls



DIP Switch Settings

◀ = Factory Setting
● = ON
- = OFF

	Switch#	1	2	3
Occupancy Logic	Standard	-	-	-
	Option 1	●	-	-
	Option 2	-	●	-
	Option 3	-	-	●
	Option 4	-	-	-
	Option 5	●	●	●
	Option 6	-	●	●
	Option 7	●	●	●

	Time Delay	4	5	6
5 sec/SmartSet	↑	-	-	-
5 minutes	↑	-	-	●
10 min.	↑	-	●	-
10 minutes	↑	-	-	●
15 min.	↑	●	-	-
15 minutes	↑	-	●	-
20 minutes	↑	-	-	●
30 min.	↑	●	●	●

↑ = walk-through mode

	Initial Occupancy	Maintain Occupancy	Re-trigger (seconds duration)
Standard	Both	Either	Either(5)
Option 1	Either	Either	Either(5)
Option 2	PIR	Either	Either(5)
Option 3	Both	Both	Both(5)
Option 4	PIR	PIR	PIR(5)
Option 5	Ultra	Ultra	Ultra(5)
Option 6	Man.	Either	Either(30)
Option 7	Man.	Both	Both(30)

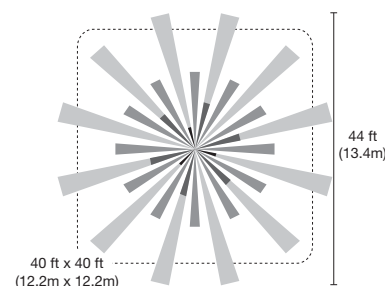
	LEDs	7
Disabled	↑	-
Enabled	↑	●

	PIR Sensitivity	8
Minimum	↑	-
Max./SmartSet	↑	●

The technology control (occupancy logic) options are adjustable by user. The standard setting recommended for most applications requires both technologies to trigger on, either to hold on.

Coverage

Coverage Pattern



Coverage shown is maximum and represents half-step walking motion. Under ideal conditions, coverage for half-step walking motion can reach up to 1000 ft².

Ordering Information

Catalog No.	Voltage	Current	Coverage	Features
<input type="checkbox"/> DT-300	24 VDC/VAC	43 mA	up to 1000 ft ² (92.9 m ²)	Isolated relay, light level
<input type="checkbox"/> DT-300-U				
<input type="checkbox"/> DT-305	24 VDC/VAC	35 mA	up to 1000 ft ² (92.9 m ²)	
<input type="checkbox"/> DT-305-U				

Sensors are white and use WattStopper power packs. Current consumption can be slightly higher when only one sensor per power pack is used.

DW-100 Dual Technology Wall Switch Sensor

High sensitivity and dense coverage for exceptional performance

Color-matched lens and low profile for appealing design



Selectable operation, walk-through, test and presentation modes for increased energy savings and convenience

Defaults to Manual-ON operation for maximum energy savings

Part of a comprehensive line of PIR, Ultrasonic and Dual Technology wall switch sensors

PROJECT

LOCATION/TYPE

Product Overview

Description

The DW-100 dual technology wall switch sensor combines the benefits of passive infrared (PIR) and ultrasonic technologies, and can turn lights OFF and ON based on occupancy. It is characterized by high sensitivity to small and large movements, appealing aesthetics, and a variety of features.

Operation

The DW-100 fits in a single gang junction box. Once the lights are ON, detection by either technology holds lights ON until occupancy is no longer detected and the time delay elapses. DIP switch settings allow for a variety of control options including Auto-ON operation, walk-through and test mode. By default, Auto-ON turns lighting on when both PIR and ultrasonic technologies detect occupancy. Additional DIP switch settings allow the user to choose which sensing technologies turn-ON and hold-ON the lighting.

Manual-on Control

Factory default operation is for Manual-ON, so that users turn lights on only when needed. This control strategy is proven to save more energy than Auto-ON, and will be required where the ASHRAE 90.1-2010 energy code is adopted. If desired, the DW-100 may be reconfigured to turn lights on automatically.

Applications

WattStopper's dual technology has the flexibility to work in a variety of applications where one technology alone may not be sufficient. Common applications include small and executive offices, small and medium conference rooms and lunch/break rooms. In addition, dual technology sensors are the perfect choice for ADA-compliant buildings due to lower mounting height requirements.

Features

- Detection Signature Processing eliminates false triggers and provides immunity to RFI and EMI
- Zero-crossing for long relay life
- Vandal resistant lens combines precise coverage with durability
- Choice of Manual-ON or Auto-ON operation
- Selectable walk-through mode turns lights off three minutes after the room is initially occupied if no motion is detected after the first 30 seconds
- Test mode allows quick and easy adjustments
- Selectable audible alert for impending shutoff
- In automatic mode, sensor returns automatically to Auto-ON after lights are turned off manually; ideal for presentations
- Four occupancy logic options give users the ability to customize control to meet application needs
- Optional light level sensing with simple setup
- Service mode allows sensor to operate as a service switch in the unlikely event of a failure
- Sensor coverage tested to NEMA Guide Publication WD 7-2000
- Compatible with decorator wall plates
- Qualifies for ARRA-funded public works projects



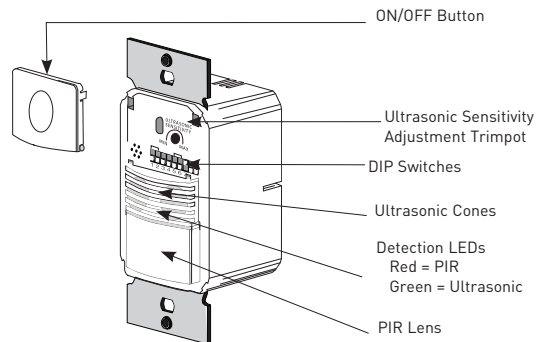
Specifications

- DW-100: 120/277 VAC; 50/60 Hz
@ 120 VAC, 0-800 W ballast or tungsten, 1/6 hp
@ 277 VAC, 0-1200 W ballast
- DW-100-347: 347 VAC; 50/60Hz, 0-1500 W ballast
- Time delays: 5, 15 or 30 minutes, walk-through, test-mode

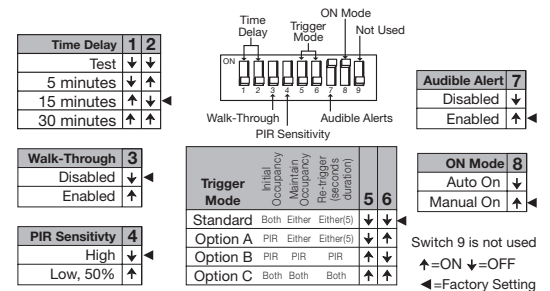
- Coverage:
Major motion, PIR 35' x 30', Ultrasonic 20' x 20'
Minor motion, PIR 20' x 15', Ultrasonic 15' x 15'
- Sensitivity adjustment: PIR (high/low), Ultrasonic (fully variable)
- Dimensions: 2.73" x 1.76" x 1.83"
(69.3mm x 44.7mm x 46.5mm) L x W x D
- UL and cUL listed
- Five year warranty

Controls & Settings

Product Controls

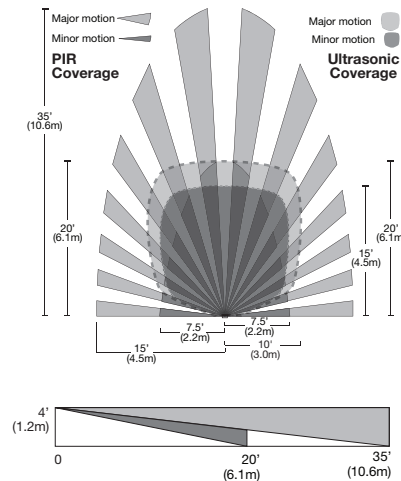


DIP Switch Settings

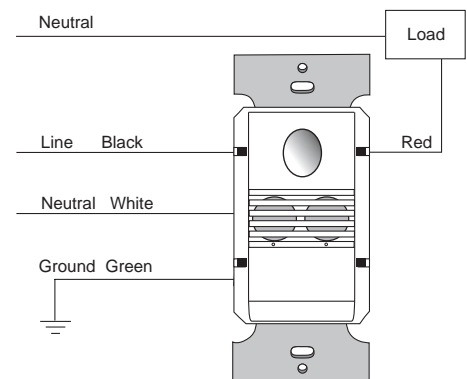


Coverage & Wiring

Coverage Pattern



Wiring Diagram





For best performance, WattStopper recommends using this sensor in spaces no larger than 18' x 15'.

Ordering Information

Catalog No.	Color	Voltage	Load Rating
<input type="checkbox"/> DW-100-W <input type="checkbox"/> DW-100-W-U <input type="checkbox"/> DW-100-W-FTA	White	120/277 VAC; 50/60 Hz	@ 120 VAC, 0-800 W ballast or tungsten, 1/6 hp @ 277 VAC, 0-1200 W ballast
<input type="checkbox"/> DW-100-LA	Lt. Almond		
<input type="checkbox"/> DW-100-I <input type="checkbox"/> DW-100-I-U <input type="checkbox"/> DW-100-I-FTA	Ivory		
<input type="checkbox"/> DW-100-G	Grey		
<input type="checkbox"/> DW-100-B	Black		
<input type="checkbox"/> DW-100-347-W <input type="checkbox"/> DW-100-347-LA <input type="checkbox"/> DW-100-347-I <input type="checkbox"/> DW-100-347-G <input type="checkbox"/> DW-100-347-B	White Lt. Almond Ivory Grey Black	347 VAC; 50/60 Hz	0-1500 W ballast

Order wall plate separately.

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EM2515T 

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[AC Motors](#) | [Premium Efficient](#) | [20 HP](#) | [1400-1800 RPM](#) |
Specifications: EM2515T
SPEC. NUMBER: 39K057W915
CATALOG NUMBER: EM2515T
FL AMPS: 47/23.5
208V AMPS: 49.4
BEARING-DRIVE-END: 6309
BEARING-OPP-DRIVE-END: 6208
DESIGN CODE: B
DOE-CODE: 010A
FL EFFICIENCY: 93
ENCLOSURE: OPSB
FRAME: 256T
HERTZ: 60
INSULATION-CLASS: F
KVA-CODE: H
SPEED [rpm]: 1765
OUTPUT [hp]: 20
PHASE: 3
POWER-FACTOR: 86
RATING: 40C AMB-CONT
SERIAL-NUMBER: --
SERVICE FACTOR: 1.15
VOLTAGE: 230/460

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Specifications: EM3211T

SPEC. NUMBER:	36G548S658G1
CATALOG NUMBER:	EM3211T
FL AMPS:	8.4/4.2
208V AMPS:	8.5
BEARING-DRIVE-END:	6206
BEARING-OPP-DRIVE-END:	6205
DESIGN CODE:	B
DOE-CODE:	010A
FL EFFICIENCY:	89.5
ENCLOSURE:	OPSB
FRAME:	182T
HERTZ:	60
INSULATION-CLASS:	F
KVA-CODE:	K
SPEED [rpm]:	1765
OUTPUT [hp]:	3
PHASE:	3
POWER-FACTOR:	74
RATING:	40C AMB-CONT
SERIAL-NUMBER:	--
SERVICE FACTOR:	1.15
VOLTAGE:	230/460

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1 of 1

5/24/2012 1:39 PM

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

10/15/2012 3:44:00 PM

in

Case No(s). 12-2735-EL-EEC

Summary: Application Application to Commit Energy

Efficiency/Peak Demand

Reduction Programs

(Mercantile Customers Only)-CPS, SCPA electronically filed by Carys Cochern on behalf of
Duke Energy