



**Case No.:** \_\_\_\_-\_\_\_\_-EL-EEC

**Mercantile Customer:** Cincinnati Bell Telephone

**Electric Utility:** Duke Energy

**Program Title or  
Description:** Chiller

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

Completed applications requesting the cash rebate reasonable arrangement option (Option 1) in lieu of an exemption from the electric utility's energy efficiency and demand reduction (EEDR) rider will be automatically approved on the sixty-first calendar day after filing, unless the Commission, or an attorney examiner, suspends or denies the application prior to that time. Completed applications requesting the exemption from the EEDR rider (Option 2) will also qualify for the 60-day automatic approval so long as the exemption period does not exceed 24 months. Rider exemptions for periods of more than 24 months will be reviewed by the Commission Staff and are only approved up the issuance of a Commission order.

Complete a separate application for each customer program. Projects undertaken by a customer as a single program at a single location or at various locations within the same service territory should be submitted together as a single program filing, when possible. Check all boxes that are applicable to your program. For each box checked, be sure to complete all subparts of the question, and provide all requested additional information. Submittal of incomplete applications may result in a suspension of the automatic approval process or denial of the application.

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

## Section 1: Mercantile Customer Information

Name: **Cincinnati Bell Telephone**

Principal address: **209 West 7<sup>th</sup> Street, Cincinnati, Ohio 45202**

Address of facility for which this energy efficiency program applies:

**209 - 229 West 7<sup>th</sup> Street, 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): **March 2009.**
- ☐ Installation of new equipment for new construction or facility expansion. The customer installed new equipment on the following date(s):
- ☐ Behavioral or operational improvement.

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

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

Annual savings: \_\_\_\_\_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: **321,408 kWh (See Attachment 1 - Appendix 2)**

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:

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?

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

**120 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 **\$26,400.00 (See Attachment 1 - Appendix 3)**. (Rebate shall not exceed 50% project cost. Attach documentation showing the methodology used to determine the cash rebate value and calculations showing how this payment amount was determined.)

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: **11.11** (See **Attachment 1 - Appendix 4**) (Skip to Subsection 2.)

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

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

The electric utility's avoided supply costs were \_\_\_\_\_.

Our program costs were \_\_\_\_\_.

The incremental measure costs were \_\_\_\_\_.



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

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

Our avoided supply costs were **\$247,200(See Attachment 1 - Appendix 5).**

The utility's program costs were **\$9600 (See Attachment 1 - Appendix 6).**

The utility's incentive costs/rebate costs were **\$26,400(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.

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.



**Public Utilities  
Commission**

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

**Case No.:** \_\_\_\_-\_\_\_\_-EL-EEC

State of \_\_\_\_\_:

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

1. I am the duly authorized representative of:

\_\_\_\_\_  
[insert customer or EDU company name and any applicable name(s) doing business as]

2. I have personally examined all the information contained in the foregoing application, including any exhibits and attachments. Based upon my examination and inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.

\_\_\_\_\_  
Signature of Affiant & Title

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

\_\_\_\_\_  
Signature of official administering oath

\_\_\_\_\_  
Print Name and Title

My commission expires on \_\_\_\_\_



DUKE ENERGY CORPORATION  
Mercantile Self Direct Program  
139 East Fourth Street  
Cincinnati, OH 45202  
513 419 5572 fax

November 16, 2011

Cincinnati Bell Telephone  
229 West 7<sup>th</sup> Street  
Mail Location 121-1200  
Cincinnati, Ohio 45202

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

Dear Name:

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 \$26,400.00 has been proposed for your chiller project completed in the 2009 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 513-419-5572 or e-mail to [SelfDirect@Duke-Energy.com](mailto: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 Harp, Duke Energy  
Rob Yung, WECC  
Ginger Hittle, Johnson Controls

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

☒ Rebate is accepted.

☐ Rebate is declined.

By accepting this rebate, Cincinnati Bell Telephone 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 Bell Telephone 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.

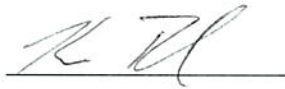
Finally, Cincinnati Bell Telephone affirms that all application information submitted to Duke Energy pursuant to this rebate offer is true and accurate. Information in question would include, but not be limited to, project scope, equipment specifications, equipment operational details, project costs, 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):



Customer Signature

Kevin Daniel

Printed Name

1-4-12

Date

### Proposed Rebate Amounts

Measure ID	Energy Conservation Measure (ECM)	Proposed Rebate Amount
ECM-1	Chiller-Water-Centri >300 - 0.58 with 0.41	\$26,400.00
ECM-2		\$
ECM-3		\$
ECM-4		\$
ECM-5		\$
Total		\$26,400.00



# Public Utilities Commission

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

Case No.: \_\_\_\_ - \_\_\_\_ -EL-EEC

State of OHIO :

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

1. I am the duly authorized representative of:

Cincinnati Bell Telephone  
[insert customer or EDU company name and any applicable name(s) doing business as]

2. I have personally examined all the information contained in the foregoing application, including any exhibits and attachments. Based upon my examination and inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.

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

[Signature] Operations Manager  
Signature of Affiant & Title

Sworn and subscribed before me this 4th day of January,  
2012 Month/Year

[Signature]  
Signature of official administering oath

Cherie Ashworth  
Print Name and Title

My commission expires on July 31, 2015



CHERIE ASHWORTH  
Notary Public, State of Ohio  
My Commission Expires 07-31-15

## Attachment 1 – Cincinnati Bell Telephone (Chiller)

### Appendix 1 – Electric History

34800674 01		
CINTI BELL TEL CO		
209 7TH W		
CINCINNATI, OH 45202		
Date	Days	Actual KWH
9/22/2011	30	6,383,118
8/23/2011	29	6,399,714
7/25/2011	32	7,008,074
6/23/2011	30	6,495,600
5/24/2011	29	6,052,707
4/25/2011	32	6,615,081
3/24/2011	29	5,972,643
2/23/2011	29	5,865,793
1/25/2011	34	6,843,733
12/22/2010	33	6,628,584
11/19/2010	29	5,878,295
10/21/2010	29	5,970,012
<b>Total</b>		<b>76,113,354</b>

### 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
Chiller-Water-Centrifugal >300 - 0.58 with 0.41	133.92	2400	321408	0.05	120

### Appendix 3 – Cash Rebate

Measure	Amount
Chiller-Water-Centrifugal >300 - 0.58 with 0.41	\$26,400.00

### Appendix 4 – Utility Cost Test

Measure	UCT
Chiller-Water-Centrifugal >300 - 0.58 with 0.41	11.11

**Appendix 5 – Avoided Supply Costs**

<b>Measure</b>	<b>T&amp;D</b>	<b>Production</b>	<b>Capacity</b>	<b>Quantity</b>	<b>Total Avoided Costs</b>
Chiller-Water-Centrifugal >300 - 0.58 with 0.41	\$11.00	\$57.00	\$35.00	2400	\$247,200.00

**Appendix 6 – Utility Program Costs**

<b>Measure</b>	<b>Qty</b>	<b>Admin Costs</b>	<b>Total Costs</b>
Chiller-Water-Centrifugal >300 - 0.58 with 0.41	2400	\$4.00	\$9,600.00



# Ohio Mercantile Self Direct Program

## Application Guide & Cover Sheet

Questions? Call 1-866-380-9580 or visit [www.duke-energy.com](http://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](mailto: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
3480-0674-01	76,282,077		

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 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 checked="" 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 Chillers / Thermal Storage Incentive Application

Questions? Call 1-866-380-9580 or visit [www.duke-energy.com](http://www.duke-energy.com).

Email the complete, signed application with all required documents to [SelfDirect@duke-energy.com](mailto:SelfDirect@duke-energy.com) or fax to 513-419-5572

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

<b>Building Type – Required (check one)</b>		
<input checked="" type="checkbox"/> Data Centers	<input type="checkbox"/> Full Service Restaurant	<input type="checkbox"/> Office
<input 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:		
<b>How did you hear about the program? (check one)</b>		
<input checked="" type="checkbox"/> Duke Energy Representative	<input type="checkbox"/> Web Site	<input type="checkbox"/> Radio
<input 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
---	--	---	---

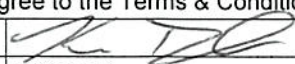
<b>Customer Information</b>					
Customer/Business	Cincinnati Bell Telephone	Contact	Kevin Daniel, Building Manager		
Phone	513-397-5412, 513-604-6959	Account Number	3480-0674-01		
Street Address (Where incentive should be mailed)		209 W7th Street, ML 121-1200			
City	Cincinnati	State	OH	Zip Code	45202
Installation Street Address		229 W7th Street			
City	Cincinnati	State	OH	Zip Code	45202
E-mail Address	kevin.daniel@cinbell.com and grace.lobono@cinbell.com				

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

<b>Vendor Information</b>					
Vendor	Johnson Controls	Contact	Ginge Hittle		
Phone	513-605-6302	Fax	513-605-6301		
Street Address		7863 Palace			
City	Cincinnati	State	OH	Zip Code	45249
E-mail Address	Ginger.E.Hittle@jci.com				

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

<b>Payment Information</b>		
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 #	20-2003820
	Vendor Tax ID #	

<b>Terms and Conditions</b>			
I have read and hereby agree to the Terms & Conditions and Program Requirements.			
Customer Signature		Vendor Signature	
Date	10-26-11	Date	
Title	Building Operations Manager	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.*

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.

See Page 4 of form for required efficiency levels and equipment eligibility

Air Cooled Chillers									
Make/Model # Scroll/Screw Type	# of Units	AHRI Tons/Unit	Full-load kW/ton*	Incentive \$/ton	IPLV kW/ton*	Incentive \$/ton	Building Type	Date Installed & Operable (mm/yy)	Total Incentive

\* Chiller performance and IPLV must be tested under AHRI conditions - submit documentation of compliance

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.

See Page 4 of form for required efficiency levels and equipment eligibility

Water Cooled Chillers										
Description	Make/Model #	# of Units	AHRI Tons/Unit	Full-load kW/ton*	Incentive \$/ton	IPLV kW/ton*	Incentive \$/ton	Building Type	Date Installed & Operable (mm/yy)	Total Incentive
<input type="checkbox"/> Screw/Scroll Chiller <input checked="" type="checkbox"/> Centrifugal Chiller	YKMQM4K2	2	1200	.579	\$5.00	.357	\$6.00	Data Center	Mar 2009	\$26,400.00
<input type="checkbox"/> Screw/Scroll Chiller <input type="checkbox"/> Centrifugal Chiller										
<input type="checkbox"/> Screw/Scroll Chiller <input type="checkbox"/> Centrifugal Chiller										

\* Chiller performance and IPLV must be tested under AHRI conditions - submit documentation of compliance



## Thermal Storage Incentives

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.

Thermal Storage System Specifications*	
Manufacturer of Thermal Storage Equipment	
Type of Thermal Storage	<input type="checkbox"/> Chilled Water <input type="checkbox"/> Ice Bank <input type="checkbox"/> Ice Harvester
Model Number	
Controls Manufacturer	
Control Strategy	<input type="checkbox"/> Demand Limiting <input type="checkbox"/> Maximum Cooling Shift
Number of Thermal Storage Units	
Partial or Full Storage	<input type="checkbox"/> Partial Storage <input type="checkbox"/> Full Storage
Demand Shifted (kW)XX	
Storage Capacity (Ton Hours)	
Storage Capacity (Gallons If Applicable)	
Peak Cooling Load (Tons)	
Cooled Area (sq. ft.)	
Hours of Operations M-F	
Hours of Operations Sat	
Hours of Operations Sun	
Date Installed and Operable (mm/yy)	
Thermal Storage chiller Plant Description (Manufacturer, Tonnage, Ice Making kW/ton)	
Condenser Type	<input type="checkbox"/> Air Cooled <input type="checkbox"/> Water Cooled
Premium cost for Thermal Storage (Dollars)	
Annual Electrical Operating Cost with Storage (Dollars)	
Annual Savings as a result of Thermal Storage (Dollars)	
Simple Payback including Incentive (Years)	
<b>Total Incentive (\$190/kW shifted)</b>	
<b>Conventional System Specifications (For Comparison Purposes)</b>	
Chiller Plant Description (Manufacturer, type, tonnage, AHRI kW/ton)	
Chiller Demand (kW)	
Annual Electrical Operating Cost with Conventional Cooling	

\*Thermal Storage Units with a >1MW load shift are not eligible for incentives under the Prescriptive Program but can be considered for custom incentives. The Custom application and process document are located on the Self Direct websites.

\*\* Average demand shifted during the peak demand timeframe of 10:00am to 6:00pm for summer months of May through September.

## Equipment Requirements

Chillers Incentive Table & AHRI Rated Efficiency Requirements\*

### AIR COOLED CHILLERS – All Sizes Total Incentive = Base + Additional

#### Scroll/Screw Type Chillers

Full load kW/ton – EER	Base Incentive \$/ton	Part Load IPLV kW/ton – EER	Additional Incentive \$/ton
1.230 - 9.80	\$4.00	1.130 - 10.60	
1.230 - 9.80	\$4.00	1.010 - 11.90	\$5.83
1.230 - 9.80	\$4.00	0.890 - 13.50	\$12.07
1.230 - 9.80	\$4.00	0.810 - 14.80	\$15.75
1.142 - 10.50	\$12.50	1.046 - 11.50	
1.142 - 10.50	\$12.50	0.925 - 13.00	\$6.00
1.142 - 10.50	\$12.50	0.879 - 13.70	\$8.35
1.142 - 10.50	\$12.50	0.674 - 17.80	\$18.60
1.046 - 11.50	\$15.00	0.961 - 12.50	
1.046 - 11.50	\$15.00	0.847 - 14.20	\$5.70
1.046 - 11.50	\$15.00	0.795 - 15.10	\$8.30
1.046 - 11.50	\$15.00	0.618 - 19.40	\$17.15

### WATER COOLED CHILLERS – < 150 tons Total Incentive = Base + Additional

#### Screw/Scroll Type Chiller

Full load kW/ton – EER	Base Incentive \$/ton	Part Load IPLV kW/ton – EER	Additional Incentive \$/ton
0.790 - 15.20	\$2.50	0.620 - 19.40	
0.790 - 15.20	\$2.50	0.590 - 20.30	\$1.50
0.790 - 15.20	\$2.50	0.550 - 21.80	\$3.50
0.790 - 15.20	\$2.50	0.510 - 23.50	\$5.50
0.790 - 15.20	\$2.50	0.470 - 25.50	\$7.50
0.710 - 16.90	\$7.50	0.630 - 19.00	
0.710 - 16.90	\$7.50	0.560 - 21.40	\$3.50
0.710 - 16.90	\$7.50	0.530 - 22.60	\$5.00
0.710 - 16.90	\$7.50	0.500 - 24.00	\$6.50
0.710 - 16.90	\$7.50	0.460 - 26.10	\$8.50
0.710 - 16.90	\$7.50	0.430 - 27.90	\$10.00
0.630 - 19.00	\$10.00	0.560 - 21.40	
0.630 - 19.00	\$10.00	0.500 - 24.00	\$3.00
0.630 - 19.00	\$10.00	0.470 - 25.50	\$4.50
0.630 - 19.00	\$10.00	0.440 - 27.30	\$6.00
0.630 - 19.00	\$10.00	0.410 - 29.30	\$7.50
0.630 - 19.00	\$10.00	0.380 - 31.60	\$9.00

#### Centrifugal Type Chiller

0.700 - 17.10	\$2.50	0.570 - 21.10	
0.700 - 17.10	\$2.50	0.530 - 22.60	\$2.00
0.700 - 17.10	\$2.50	0.500 - 24.00	\$3.50
0.700 - 17.10	\$2.50	0.420 - 28.60	\$7.50
0.630 - 19.00	\$7.50	0.600 - 20.00	
0.630 - 19.00	\$7.50	0.510 - 23.50	\$4.50
0.630 - 19.00	\$7.50	0.480 - 25.00	\$6.00
0.630 - 19.00	\$7.50	0.450 - 26.70	\$7.50
0.630 - 19.00	\$7.50	0.380 - 31.60	\$11.00
0.560 - 21.40	\$10.00	0.530 - 22.60	
0.560 - 21.40	\$10.00	0.460 - 26.10	\$3.50
0.560 - 21.40	\$10.00	0.430 - 27.90	\$5.00
0.560 - 21.40	\$10.00	0.400 - 30.00	\$6.50
0.560 - 21.40	\$10.00	0.340 - 35.30	\$9.50

\*AHRI Standard 550/590

2003 Standard for Performance Rating of Water-Chilling Packages using the vapor compression cycle.



**WATER COOLED CHILLERS – 150-300 tons**
**Total Incentive = Base + Additional**

Screw/Scroll Type Chiller			
Full load kW/ton – EER	Base Incentive \$/ton	Part Load IPLV kW/ton – EER	Additional Incentive \$/ton
0.720 – 16.70	\$2.50	0.570 – 21.10	
0.720 – 16.70	\$2.50	0.540 – 22.20	\$1.50
0.720 – 16.70	\$2.50	0.500 – 24.00	\$3.50
0.720 – 16.70	\$2.50	0.470 – 25.50	\$5.00
0.720 – 16.70	\$2.50	0.430 – 27.90	\$7.00
0.650 – 18.50	\$7.50	0.570 – 21.10	
0.650 – 18.50	\$7.50	0.510 – 23.50	\$3.00
0.650 – 18.50	\$7.50	0.480 – 25.00	\$4.50
0.650 – 18.50	\$7.50	0.450 – 26.70	\$6.00
0.650 – 18.50	\$7.50	0.420 – 28.60	\$7.50
0.650 – 18.50	\$7.50	0.390 – 30.80	\$9.00
0.570 – 21.10	\$10.00	0.510 – 23.50	
0.570 – 21.10	\$10.00	0.450 – 26.70	\$3.00
0.570 – 21.10	\$10.00	0.430 – 27.90	\$4.00
0.570 – 21.10	\$10.00	0.400 – 30.00	\$5.50
0.570 – 21.10	\$10.00	0.370 – 32.40	\$7.00
0.570 – 21.10	\$10.00	0.340 – 35.30	\$8.50
Centrifugal Type Chiller			
0.630 – 19.00	\$2.50	0.510 – 23.50	
0.630 – 19.00	\$2.50	0.480 – 25.00	\$1.50
0.630 – 19.00	\$2.50	0.450 – 26.70	\$3.00
0.630 – 19.00	\$2.50	0.380 – 31.60	\$6.50
0.570 – 21.10	\$7.50	0.540 – 22.20	
0.570 – 21.10	\$7.50	0.460 – 26.10	\$4.00
0.570 – 21.10	\$7.50	0.430 – 27.90	\$5.50
0.570 – 21.10	\$7.50	0.400 – 30.00	\$7.00
0.570 – 21.10	\$7.50	0.340 – 35.30	\$10.00
0.510 – 23.50	\$10.00	0.480 – 25.00	
0.510 – 23.50	\$10.00	0.410 – 29.30	\$3.50
0.510 – 23.50	\$10.00	0.390 – 30.80	\$4.50
0.510 – 23.50	\$10.00	0.360 – 33.30	\$6.00
0.510 – 23.50	\$10.00	0.300 – 40.00	\$9.00

\*AHRI Standard 550/590

2003 Standard for Performance Rating of Water-Chilling Packages using the vapor compression cycle.

**WATER COOLED CHILLERS – >300 tons**
**Total Incentive = Base + Additional**
**Screw/Scroll Type Chiller**

Full load kW/ton – EER	Base Incentive \$/ton	Part Load IPLV kW/ton – EER	Additional Incentive \$/ton
0.640 – 18.75	\$2.50	0.510 – 23.50	
0.640 – 18.75	\$2.50	0.480 – 25.00	\$1.50
0.640 – 18.75	\$2.50	0.450 – 26.70	\$3.00
0.640 – 18.75	\$2.50	0.420 – 28.60	\$4.50
0.640 – 18.75	\$2.50	0.380 – 31.60	\$6.50
0.580 – 20.70	\$7.50	0.510 – 23.50	
0.580 – 20.70	\$7.50	0.450 – 26.70	\$3.00
0.580 – 20.70	\$7.50	0.430 – 27.90	\$4.00
0.580 – 20.70	\$7.50	0.400 – 30.00	\$5.50
0.580 – 20.70	\$7.50	0.370 – 32.40	\$7.00
0.580 – 20.70	\$7.50	0.350 – 34.30	\$8.00
0.510 – 23.50	\$10.00	0.460 – 26.10	
0.510 – 23.50	\$10.00	0.400 – 30.00	\$3.00
0.510 – 23.50	\$10.00	0.380 – 31.60	\$4.00
0.510 – 23.50	\$10.00	0.360 – 33.30	\$5.00
0.510 – 23.50	\$10.00	0.330 – 36.40	\$6.50
0.510 – 23.50	\$10.00	0.310 – 38.70	\$7.50

**Centrifugal Type Chiller**

0.580 – 20.70	\$2.50	0.470 – 25.50	
0.580 – 20.70	\$2.50	0.440 – 27.30	\$1.50
0.580 – 20.70	\$2.50	0.410 – 29.30	\$3.00
0.580 – 20.70	\$2.50	0.350 – 34.30	\$6.00
0.520 – 23.10	\$7.50	0.490 – 24.50	
0.520 – 23.10	\$7.50	0.420 – 28.60	\$3.50
0.520 – 23.10	\$7.50	0.390 – 30.80	\$5.00
0.520 – 23.10	\$7.50	0.370 – 32.40	\$6.00
0.520 – 23.10	\$7.50	0.310 – 38.70	\$9.00
0.460 – 26.10	\$10.00	0.440 – 27.30	
0.460 – 26.10	\$10.00	0.370 – 32.40	\$3.50
0.460 – 26.10	\$10.00	0.350 – 34.30	\$4.50
0.460 – 26.10	\$10.00	0.330 – 36.40	\$5.50
0.460 – 26.10	\$10.00	0.280 – 42.90	\$8.00

\*AHRI Standard 550/590

2003 Standard for Performance Rating of Water-Chilling Packages using the vapor compression cycle.

**Thermal Storage Incentives**

	Incentive
THERMAL STORAGE UNIT	\$95/kW shifted



## Program Requirements

### Equipment Eligibility

- Duke Energy will use the AHRI database for verifying equipment efficiencies for all the chillers. If the equipment or matched set is not in the AHRI database, the manufacturer's technical fact sheets must be provided showing the efficiency level tested under AHRI conditions as described in AHRI standard 550/590. Equipment capacity (size) and efficiency must be based on AHRI design conditions. Full load efficiency rating (FL) and Integrated Part load Value (IPLV) must be provided for all chillers.
- Incentives for chillers will be paid based on the AHRI tons per unit.
- EER/COP and IPLV values shall include all connected loads, such as compressors, condenser fans, and control kW. Chiller components, such as motors and VFDs, are incented as part of the chiller package and are not independently eligible for prescriptive incentives during a chiller replacement
- Chiller incentives are only available for HVAC space cooling applications. All equipment installed must serve as a primary source of cooling for the facility. Industrial process cooling may qualify for a custom incentive.
- Chillers purchased and installed for backup or redundant systems are not eligible.
- Thermal Storage Units with a >1MW load shift are not eligible for incentives under the Prescriptive Program but can be considered for custom incentives.
- All equipment must be new to be eligible for incentives. Used equipment is **not** eligible for incentives.

### 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 3<sup>rd</sup> party vendor. The 3<sup>rd</sup> party vendor is responsible for mailing the 1099 form at the end of the calendar year for tax filing. Duke Energy and the 3<sup>rd</sup> 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](http://www.duke-energy.com).
2. Review program and equipment requirements on the incentive application.
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](mailto: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 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 faxing the Vendor Participation Agreement (VPA) to 513-419-5572 or emailing to [SelfDirect@duke-energy.com](mailto:SelfDirect@duke-energy.com).
- 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.

### 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](http://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/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](mailto: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	
------------------------------	--

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](http://www.duke-energy.com).



## PROPOSAL

364 - Cincinnati Service Branch  
7863 Palace Drive  
Cincinnati, OH 45249  
Phone: 513-605-6060  
Fax: 513-489-7516

TO: Cincinnati Bell  
229 W 7th Street

Date: February 28, 2008  
Project: Chiller Plant Expansion Phase 2

Cincinnati, OH 45202  
Attention: Larry Wessel

Proposal Ref.: CS08-026

We propose to furnish the materials and/or perform the work described below for the net price of:

One Hundred Thousand Two Hundred Five exactly Dollars

\$100,205.00

### For the above price this proposal includes:

- Complete automation programming for Ch 3,4,5 & 6 per final sequence of operation provided by PEDco
- Labor and material to pipe control air to control valves for Ch 3 & 4
- Relocate and repipe refrigerant monitor
- Demo pneumatic controls for OM2 and associated pumps
- Install 5 differential pressure transmitters with associated controls for chilled water pump control
- Provide 2" Hersey flow meter with 4-20ma output module, map points into Metasys system
- Install & commission fill valve and level sensor for surge tank 2
- Install & commission chilled water and condenser water flow meters
- Provide 2x DX9100's as spares
- Terminate wire and commission controls for Ch3 & 4
- Project Management
- Commission new system
- Provide As-Built drawings

*Jerry,  
This goes w/ PH&B  
Project Install  
Chillers 3+4*

Alternates to the proposal are:

N/A

This proposal DOES NOT include:

- Overtime labor

This proposal and alternates listed below are hereby accepted and Johnson Controls is authorized to proceed with work; subject, however to credit approval by Johnson Controls, Inc., Milwaukee, Wisconsin.

This proposal is valid until: 03/27/2008

Cincinnati Bell  
Purchaser - Company Name

Johnson Controls, Inc.

Signature

Signature

Name: \_\_\_\_\_

Name: Clayton Smith

Title: \_\_\_\_\_

Title: Account Executive

Date: \_\_\_\_\_

PO: \_\_\_\_\_



# JOHNSON CONTROLS

**NEW YORK**  
PRODUCTS/SERVICES

## ORIGINAL INVOICE

RECEIVED  
ACCOUNTS PAYABLE

2007 NOV 27 PM 1:19

Direct Inquiries To: JOHNSON CONTROLS INC  
CINCINNATI SERVICE  
7863 PALACE DRIVE  
CINCINNATI, OH 45249  
Federal ID#: 39-0380010

Bill To: CINCINNATI BELL INC  
ATTN: AP RM 103-1115  
P O BOX 2301  
CINCINNATI, OH 45201

Phone: 866 236-1941  
Fax:

Mail Check To: Johnson Controls  
DRAWER # 242  
MILWAUKEE, WI 53278

Project Name / Project Site / Tax Loc	Purchase Order / Date / Authorized By	JCI Project / CO	JCI Project Manager
Cincinnati Bell - Chillers Phase 2	Signed Contract 08/07/07	7364-0091 000	KNIGGA, MARK E
OH4520100	Gary Cornett		

Period Covered	Application #	Invoice Number	Invoice Date	Terms
11/01/07 - 11/30/07	1	00015765932	11/20/07	Due On Receipt

Original Contract Amount: \$692,485  
Approved Change Orders: \$0  
New Contract Amount: \$692,485  
  
Work Completed To Date: \$569,249  
Less Retention: \$0  
Total Less Retention: \$569,249  
Less Invoiced To Date: \$0

The Project Manager named above submits this application with knowledge, information, and belief that the work covered by this application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid for Work for which previous applications for payment were issued and for which payments were received from the Owner and that current payment shown herein is now due.

**Total Amount Due This Invoice: \$569,249**

Item	Work Description	Scheduled Value	Previous Application	Work In Place	Stored Material	Total Complete and Stored	Percent	Balance To Finish	0% Retention
A	B	C	D	E	F	G (D+E+F)	H (G/C)	I (C-G)	J
1	Mobilization	\$69,249	\$0	\$69,249	\$0	\$69,249	100%	\$0	\$0
2	Material	\$540,000	\$0	\$500,000	\$0	\$500,000	93%	\$40,000	\$0
3	Subcontracting	\$52,650	\$0	\$0	\$0	\$0	0%	\$52,650	\$0
4	Commissioning	\$30,586	\$0	\$0	\$0	\$0	0%	\$30,586	\$0
<b>Totals</b>		<b>\$692,485</b>	<b>\$0</b>	<b>\$569,249</b>	<b>\$0</b>	<b>\$569,249</b>	<b>82%</b>	<b>\$123,236</b>	<b>\$0</b>

per L Wessel, this was on an agreement by Holter and Cornett to be paid through PH&B as part of CBTS contract.  
This invoice is not to be paid by CBT directly to Johnson Controls. M Robenalt 11-30-07

# ORIGINAL INVOICE

**Direct Inquires To:** JOHNSON CONTROLS INC  
CINCINNATI SERVICE  
7863 PALACE DRIVE  
CINCINNATI, OH 45249  
**Federal ID#:** 39-0380010

Bill To: CINCINNATI BELL INC  
ATTN: AP RM 103-1115  
P O BOX 2301  
CINCINNATI, OH 45201

**Phone:** 866 236-1941  
**Fax:**

**Mail Check To:** Johnson Controls  
DRAWER # 242  
MILWAUKEE, WI 53278

Project Name / Project Site / Tax Loc		Purchase Order / Date / Authorized By		JCI Project / CO	JCI Project Manager
Cincinnati Bell - Chillers Phase 2		Signed Contract 08/07/07 Gary Cornett		7364-0091 000	KNIGGA, MARK E
OH4520100					
Period Covered		Application #	Invoice Number	Invoice Date	Terms
12/01/07 - 12/31/07		2	00016076082	12/13/07	Due On Receipt

Original Contract Amount:	\$692,485
Approved Change Orders:	\$0
New Contract Amount:	\$692,485
Work Completed To Date:	\$644,749
Less Retention:	\$0
Total Less Retention:	\$644,749
Less Invoiced To Date:	\$569,249

The Project Manager named above submits this application with knowledge, information, and belief that the work covered by this application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid for Work for which previous applications for payment were issued and for which payments were received from the Owner and that current payment shown herein is now due.

**Total Amount Due This Invoice: \$75,500**

Item	Work Description	Scheduled Value	Previous Application	Work In Place	Stored Material	Total Complete and Stored	Percent	Balance To Finish	0% Retention
A	B	C	D	E	F	G (D+E+F)	H (G/C)	I (C-G)	J
1	Mobilization	\$69,249	\$69,249	\$0	\$0	\$69,249	100%	\$0	\$0
2	Material	\$540,000	\$500,000	\$40,000	\$0	\$540,000	100%	\$0	\$0
3	Subcontracting	\$52,650	\$0	\$26,325	\$0	\$26,325	50%	\$26,325	\$0
4	Commissioning	\$30,586	\$0	\$9,175	\$0	\$9,175	30%	\$21,411	\$0
<b>Totals</b>		<b>\$692,485</b>	<b>\$569,249</b>	<b>\$75,500</b>	<b>\$0</b>	<b>\$644,749</b>	<b>93%</b>	<b>\$47,736</b>	<b>\$0</b>

**Debbie, Please remove this from the system. This is a CBTS Bill**

2013-05-17 PM 4:05



# ORIGINAL INVOICE

Direct Inquires To: JOHNSON CONTROLS INC  
CINCINNATI SERVICE  
7863 PALACE DRIVE  
CINCINNATI, OH 45249  
Federal ID#: 39-0380010

Bill To: CINCINNATI BELL INC  
ATTN: AP RM 103-1115  
P O BOX 2301  
CINCINNATI, OH 45201

Phone: 866 236-1941  
Fax:

Mail Check To: Johnson Controls  
DRAWER # 242  
MILWAUKEE, WI 53278

Project Name / Project Site / Tax Loc	Purchase Order / Date / Authorized By	JCI Project / CO	JCI Project Manager
Cincinnati Bell - Chillers Phase 2  OH4520100	Signed Contract 08/07/07 Gary Cornett	7364-0091 000	KNIGGA, MARK E

Period Covered	Application #	Invoice Number	Invoice Date	Terms
05/01/08 - 05/31/08	3	00018154832	06/03/08	Due On Receipt

Original Contract Amount: \$692,485  
Approved Change Orders: \$0  
New Contract Amount: \$692,485

Work Completed To Date: \$691,432  
Less Retention: \$0  
Total Less Retention: \$691,432  
Less Invoiced To Date: \$644,749

The Project Manager named above submits this application with knowledge, information, and belief that the work covered by this application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid for Work for which previous applications for payment were issued and for which payments were received from the Owner and that current payment shown herein is now due.

**Total Amount Due This Invoice: \$46,683**

Item A	Work Description B	Scheduled Value C	Previous Application D	Work In Place E	Stored Material F	Total Complete and Stored G (D+E+F)	Percent H (G/C)	Balance To Finish I (C-G)	0% Retention J
1	Mobilization	\$69,249	\$69,249	\$0	\$0	\$69,249	100%	\$0	\$0
2	Material	\$540,000	\$540,000	\$0	\$0	\$540,000	100%	\$0	\$0
3	Subcontracting	\$52,650	\$26,325	\$25,272	\$0	\$51,597	98%	\$1,053	\$0
4	Commissioning	\$30,586	\$9,175	\$21,411	\$0	\$30,586	100%	\$0	\$0
<b>Totals</b>		<b>\$692,485</b>	<b>\$644,749</b>	<b>\$46,683</b>	<b>\$0</b>	<b>\$691,432</b>	<b>100%</b>	<b>\$1,053</b>	<b>\$0</b>

2008 JUN -9 PM 2:33



May 22, 2008

Mr. R. Marty Jones  
Hunt Builders Corporation  
221 East Fourth Street  
Suite 2310  
Cincinnati, OH 45202

Subject: Chilled Water Plant Upgrade Phase <sup>Two</sup> One  
Cincinnati Bell Telephone, 229 W. 7<sup>th</sup> St. Building  
PEDCO PN 2841-01, Change Order No. 1

Dear Marty:

As you are aware, we are well into Phase Two of the subject project. PEDCO E & A Services, Inc. (PEDCO) has reviewed the effort required to address Phase Two scope items listed as follows:


1. Addition of Chillers CH-3 and CH-4
2. Addition of plate and frame heat exchangers
3. Chiller automation, pressure differential sensors
4. Lakos separators
5. Domestic cold water booster pump
6. New 16" chilled water risers
7. Hoist beam design
8. Construction phase effort associated with additional scope items.


PEDCO estimates that an additional \$61,500 is required to accomplish the aforementioned scope items.

PEDCO appreciates the opportunity to be of service to Hunt Builders.

Sincerely,

**PEDCO E & A SERVICES, INC.**

  
Steve Weidner, P.E.  
Project Manager

  
K. W. Hover, P.E.  
CEO

/rm

P:\00 Proposals - Change Orders\01 2008 Change Orders\2841-01\2841-01 CO1 052208.doc

cc: Larry Wessel, CBT  
File

11499 Chester Road  
Suite 301  
Cincinnati, OH 45246  
513.782.4920  
513.782.4950 fax

202 W. Berry Street  
Suite 640  
Fort Wayne, IN 46802  
260.424.1279  
260.424.6309 fax

[www.pedcoea.com](http://www.pedcoea.com)



REC'D  
2007 APR 10 AM 9:08



Peck Hannaford + Briggs  
Service Corporation  
4673 Spring Grove Ave.  
Cincinnati, OH 45232  
513/681.1200  
513/681.0311 fax  
www.peckhannafordbriggs.com

INVOICE

REMIT TO:

P.O. Box 631033  
Cincinnati, Ohio 45263-1033

CINCINNATI BELL  
ACCOUNTS PAYABLE 103-1115  
P.O. BOX 2301  
CINCINNATI OH 45201-2301

INVOICE NO: J887  
INVOICE DATE: 04/02/2007  
CONTRACT NO: LARRY WESSEL

DESCRIPTION OF SERVICE:

**\*\*PARTIAL INVOICE\*\***

LABOR, MATERIAL AND EQUIPMENT USED TO DATE TO PERFORM  
DEMOLITION FOR THE CHILLED WATER PLANT UPGRADE AT 229 2. 7TH  
STREET, CINCINNATI, OHIO LOCATION, PER OUR QUOTATION DATED  
MARCH 12, 2007.

CONTRACT AMOUNT:	\$428,500.00
LESS THIS INVOICE (45% COMPLETE)	192,825.00
BALANCE OF CONTRACT:	<u>\$235,675.00</u>

TOTAL THIS INVOICE: \$192,825.00

NET 15 DAYS

Equal Opportunity Employer

RECEIVED  
ACCOUNTS PAYABLE

2007 OCT 18 PM 3:05



Peck Hannaford + Briggs  
Service Corporation  
4673 Spring Grove Ave.  
Cincinnati, OH 45232  
513/681.1200  
513/681.0311 fax  
[www.peckhannafordbriggs.com](http://www.peckhannafordbriggs.com)

INVOICE

REMIT TO:

P.O. Box 631033  
Cincinnati, Ohio 45263-1033

CINCINNATI BELL  
ACCOUNTS PAYABLE 103-1115  
P.O. BOX 2301  
CINCINNATI OH 45201-2301

INVOICE NO: J887-1  
INVOICE DATE: 10/16/2007  
CONTRACT NO: LARRY WESSEL

DESCRIPTION OF SERVICE:

**\*\*FINAL INVOICE\*\***

LABOR, MATERIAL AND EQUIPMENT USED TO DATE TO PERFORM  
DEMOLOITION FOR THE CHILLED WATER PLANT UPGRADE AT 229 W 7TH  
STREET, CINCINNATI, OHIO LOCATION, PER OUR QUOTATION DATED  
MARCH 12, 2007.

REVISED CONTRACT AMOUNT:	\$367,974.00
LESS INVOICE J887	192,825.00
LESS THIS INVOICE	175,249.00
BALANCE OF CONTRACT:	\$ 0.00

TOTAL THIS INVOICE: \$175,249.00

NET 15 DAYS

Equal Opportunity Employer



Peck Hannaford + Briggs  
Service Corporation  
4673 Spring Grove Ave.  
Cincinnati, OH 45232  
513/681.1200  
513/681.0311 fax  
www.peckhannafordbriggs.com

INVOICE

REMIT TO:

P.O. Box 631033  
Cincinnati, Ohio 45263-1033

CINCINNATI BELL  
LARRY WESSEL RM. 121-1200  
229 W 7TH STREET  
CINCINNATI OH 45202-2301

INVOICE NO: J960-1  
INVOICE DATE: 11/27/2007  
CONTRACT NO: LARRY WESSEL  
PA #: 070351

*Estimate # E9871*

DESCRIPTION OF SERVICE:

**\*\*FINAL INVOICE\*\***

LABOR AND MATERIAL REQUIRED FOR THE DEMO OF <sup>#</sup>TWO CHILLERS,  
# TWO COOLING TOWERS AND RELATED PIPING & PUMPS FOR 7TH STREET  
LOCATION, PER OUR QUOTATION.

NEW CONTRACT AMOUNT:	\$372,366.00
LESS INVOICE J960	91,250.00
LESS THIS INVOICE	281,116.00
BALANCE OF CONTRACT:	<u>\$ 0.00</u>

TOTAL THIS INVOICE: \$281,116.00

*PO# 413592*  
*to: accounts.payable@cinbell.com*

TERMS: NET 15 DAYS

Equal Opportunity Employer



Peck Hanna Ford + Briggs  
Service Corporation  
4673 Spring Grove Ave.  
Cincinnati, OH 45232  
513/681.1200  
513/681.0311 fax  
www.peckhannafordbriggs.com

2008 MAR -7 AM 8:39

INVOICE

REMIT TO:

P.O. Box 631033  
Cincinnati, Ohio 45263-1033

CINCINNATI BELL  
LARRY WESSEL RM. 121-1200  
229 W 7TH STREET  
CINCINNATI OH 45202-2301

INVOICE NO: J960-2  
INVOICE DATE: 02/15/2008  
CONTRACT NO: LARRY WESSEL

DESCRIPTION OF SERVICE:

PO# 414177

\*\*\*FINAL INVOICE\*\*\*

LABOR AND MATERIAL REQUIRED FOR THE DEMO OF TWO CHILLERS,  
TWO COOKING TOWERS AND RELATED PIPING & PUMPS FOR 7TH STREET  
LOCATION, PER OUR QUOTATION.

CONTRACT AMOUNT:	\$372,366.00
EXTRA'S TO CONTRACT	20,500.00
LESS INVOICE J960	91,250.00
LESS INVOICE J960-1	281,116.00
LESS THIS INVOICE	20,500.00
BALANCE ON CONTRACT:	\$ 0.00

TOTAL THIS INVOICE: \$ 20,500.00

TERMS: NET 15 DAYS

Equal Opportunity Employer





Peck Hannaford + Briggs  
Service Corporation  
4673 Spring Grove Ave.  
Cincinnati, OH 45232  
513/681.1200  
513/681.0311 fax  
www.peckhannafordbriggs.com

INVOICE

CINCINNATI BELL  
LARRY WESSEL RM. 121-1200  
229 W 7TH STREET  
CINCINNATI OH 45202-2301

INVOICE NO: J1028  
INVOICE DATE: 04/11/2008  
CONTRACT NO: LARRY WESSEL

REMIT TO:  
P.O. Box 631033  
Cincinnati, Ohio 45263-1033

DESCRIPTION OF SERVICE:

LABOR AND MATERIAL REQUIRED TO DATE TO DEMO CHILLER #1 AND  
RELATED PIPING AND EQUIPMENT AT 229 WEST 7TH STREET,  
CINCINNATI, OHIO LOCATION, PER OUR QUOTATION.

TOTAL THIS INVOICE: \$250,000.00

**ESTIMATE NOT FOUND**

2008 MAY -9 PM 1:17

*PO# 414494*  
*OK to pay*  
*date:*

TERMS: NET 15 DAYS

Equal Opportunity Employer

## YK MAXE CHILLER PERFORMANCE SPECIFICATION

Unit Tag	Qty	Model No.	Capacity (tons)	Power	Refrigerant
CH-3, CH-4	2	YKMQM4K2-CBGS	1200	460/3/60	R-134A

Unit Data	Evaporator	Condenser
EWT (°F):	54.00	85.00
LWT (°F):	44.00	94.25
Flow Rate (gpm):	2880	3600
Pressure Drop (ft):	26.3	15.7
Fluid Type (%):	WATER	WATER
Circuit No. of Passes:	2	2
Fouling Factor (ft <sup>2</sup> °F hr / Btu):	0.00010	0.00025
Tube No. / Description:	271 - 0.025" Enhanced Copper	266 - 0.025" CSL Enhanced Copper (1")
Design Working Pressure (psig):	150	150
Entering Water Nozzle @ Location:	2	12
Leaving Water Nozzle @ Location:	3	13
Water Box Weight, ea (lbs)(2):	1173	836
Cover Plate Weight, ea (lbs):	1568	792
Return Head Weight (lbs):	509	214
Water Weight (lbs):	3934	3572
Water Volume(gal):	472	429

Performance Data		Electrical Data		Other	
Job KW:	695	Job FLA:	958	Operating Wt. (lbs):	51823
Motor KW:	675	Motor FLA:	946	Per Isolator (lbs):	12956
KW/Ton:	0.579	LRA:	5780	Refrigerant Wt. (lbs):	3385
IPLV (1):	0.357	Inrush Amps:	958	Oil Charge (gal):	20
Gear Code:	TZ	Min Circuit Ampacity (Amps):	1198	Motor Wt. (lbs):	5750
OptiSound Cntrl:	Yes	Max Fuse/Breaker:	2000	Compressor Wt. (lbs):	4600
Shaft HP:	859			Starter Wt. (lbs):	1920
Isolation Valves:	YES			Ship. Wt. - Shells (lbs):	27422
Oil Cooler Type:	Standard			Ship. Wt. - Driveline (lbs):	10750
Condenser Inlet:	Standard				
		Type Starter: VSD w/ IEEE filter			

Notes:

- (1) Chiller IPLV value calculated to ARI Standard 550/590 equation.  
(2) Not including cover plate on marine water boxes.

Project Name: CINCINNATI BELL '07	Sold To: JOHNSON CONTROLS, INC.
Location: CINCINNATI, OH	Customer Purchase Order No.: 2372646
Engineer:	York Contract No.: 07132507
Contractor:	Date: Revision Date:

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

**Commission of Ohio Docketing Information System on**

**2/7/2012 4:08:44 PM**

**in**

**Case No(s). 12-0577-EL-EEC**

Summary: Application Application to Commit Energy

Efficiency/Peak Demand

Reduction Programs

(Mercantile Customers Only)- Cincinnati Bell electronically filed by Carys Cochern on behalf of Duke Energy