



Case No.: 13-1648-EL-EEC

Mercantile Customer: **Miller Coors LLC**

Electric Utility: **Duke Energy**

Program Title or Description: **Mercantile Self Direct Prescriptive Chiller Tune Up 2012**

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: **Miller Coors LLC**

Principal address: **2525 Wayne Madison Road
Trenton, Ohio 45067**

Address of facility for which this energy efficiency program applies:

**2525 Wayne Madison Road
Trenton, Ohio 45067**

Name and telephone number for responses to questions:

Megan Fox, (513) 287 - 3367

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. (Please attach documentation.)
- The customer is part of a national account involving multiple facilities in one or more states. (Please attach documentation.)

Section 2: Application Information

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

- Individually, without electric utility participation.
- Jointly with the electric utility.**

B) The electric utility is: **Duke Energy**

C) The customer is offering to commit (check any that apply):

- Energy savings from the customer's energy efficiency program. (Complete Sections 3, 5, 6, and 7.)
- Capacity savings from the customer's demand response/demand reduction program. (Complete Sections 4, 5, 6, and 7.)
- Both the energy savings and the capacity savings from the customer's energy efficiency program. (Complete all sections of the Application.)**

Section 3: Energy Efficiency Programs

A) The customer's energy efficiency program involves (check those that apply):

- Early replacement of fully functioning equipment with new equipment. (Provide the date on which the customer replaced fully functioning equipment, and the date on which the customer would have replaced such equipment if it had not been replaced early. Please include a brief explanation for how the customer determined this future replacement date (or, if not known, please explain why this is not known)).
- Installation of new equipment to replace equipment that needed to be replaced. The customer installed new equipment on the following date(s):
Month and Year
- 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: _____kWh

Please describe any less efficient new equipment that was rejected in favor of the more efficient new equipment.

- 3) If you checked the box indicating that the project involves equipment for new construction or facility expansion, then calculate the annual savings [(kWh used by less efficient new equipment) - (kWh used by higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings: _____ kWh

Please describe the less efficient new equipment that was rejected in favor of the more efficient new equipment.

- 4) If you checked the box indicating that the project involves behavioral or operational improvements, provide a description of how the annual savings were determined.

Annual savings: 128,920 kWh

Chiller Tune-ups -preventative maintenance performed resulting in energy savings.

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?

April 2012

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

40 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 **\$4,000 (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 4.41 (**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 **\$14,905(See Attachment 1 - Appendix 5).**

The utility's program costs were **\$2,757(See Attachment 1 - Appendix 6).**

The utility's incentive costs/rebate costs were **\$4,000 (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 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

June 7, 2013

Mr. Mark Koch
Miller Coors LLC
2525 Wayne Madison Road
Trenton, Ohio 45067

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

Dear Mr. Koch:

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 \$4,000 has been proposed for your Chiller Tune Up project completed in the 2012 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 \$aver® 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: Bob Bandenberg, Duke Energy
Rob Jung, Ecova

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

Rebate is accepted.

Rebate is declined.

By accepting this rebate, Miller Coors LLC 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, Miller Coors LLC 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, Miller Coors LLC 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):



Denise A. Quire

6/11/13

Customer Signature

Printed Name

Date

Proposed Rebate Amounts

Measure ID	Energy Conservation Measure (ECM)	Proposed Rebate Amount
ECM-1	Water Cooled Chiller Tune Up (Qty: 2000 tons) -- Year 2012	\$4,000.00
Total		\$4,000.00



**Public Utilities
Commission**

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

13-1648-EL-EEC

Case No.: ___-___-EL-EEC

State of Ohio :

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

1. I am the duly authorized representative of:

Miller Coors LLC

[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.

Denise Quinn

Signature of Affiant & Title

Sworn and subscribed before me this 10th day of June,
2013 Month/Year

Wanda D. Gibson

Signature of official administering oath

Print Name and Title

WANDA D. GIBSON

Notary Public, State of Ohio

My Commission Expires 08-03-2015

My commission expires on _____

Attachment 1 – Customer Name

Appendix 1 – Electric History

24400870 01		
MILLER BREWING CO		
2525 WAYNE MADISON RD		
TRENTON, OH 45067		
Date	Days	Actual KWH
3/5/2013	29	7,783,972
2/4/2013	31	7,914,194
1/4/2013	32	7,995,876
12/3/2012	33	8,808,918
10/31/2012	29	8,125,096
10/2/2012	32	8,350,116
8/31/2012	29	5,592,868
8/2/2012	30	6,660,680
7/3/2012	29	5,239,043
6/4/2012	32	5,847,160
5/3/2012	30	4,896,092
4/3/2012	29	4,812,526
3/5/2012	31	4,321,964
2/3/2012	29	4,892,913
1/5/2012	31	5,217,183
12/5/2011	33	6,391,302
11/2/2011	29	6,057,677
10/4/2011	32	6,041,140
9/2/2011	29	6,335,868
8/4/2011	29	7,425,009
7/6/2011	30	6,635,330
6/6/2011	32	6,718,378
5/5/2011	30	5,884,266
4/5/2011	29	6,765,828
3/7/2011	31	5,479,759
2/4/2011	29	4,646,753
1/6/2011	34	4,716,847

meter #		
10203184		
Date	Days	KWH Usage
3/5/2013	29	3,858,728
2/4/2013	31	3,962,995
1/4/2013	32	4,006,171
12/3/2012	33	4,411,371
10/31/2012	29	4,068,582
10/2/2012	32	4,171,915
8/31/2012	29	2,799,746
8/2/2012	30	3,636,311
7/3/2012	29	2,376,116
6/4/2012	32	2,901,588
5/3/2012	30	2,450,523
4/3/2012	29	2,374,969
3/5/2012	31	2,163,036
2/3/2012	29	2,449,331
1/5/2012	31	3,146,348
12/5/2011	33	4,295,468
11/2/2011	29	3,034,789
10/4/2011	32	3,024,703
9/2/2011	29	3,172,482
8/4/2011	29	3,718,133
7/6/2011	30	3,322,535
6/6/2011	32	3,346,393
5/5/2011	30	2,957,213
4/5/2011	29	3,387,876
3/7/2011	31	2,743,361
2/4/2011	29	2,326,026
1/6/2011	34	2,360,316

Appendix 2 – Annual kWh and kW savings

Measure	Measure Amount	Unit of Measure	Annual kWh Gross with losses (per unit)	TOTAL Annual kWh Gross with losses	Saved Summer coincident kW with losses Per Unit	Total KW Gross with losses
Water Cooled Chiller Tune Up	2000	tons	64.46	128,920	0.02	40

Existing Energy kWh (Per Unit)	New Energy kWh (Per Unit)	kWh Savings (Per Unit)	Total kWh Savings	Existing Demand-kW (Per Unit)	New Demand (Per Unit)	kW Savings (Per Unit)	Total kW Savings
600	540	60	120,000	0.60	0.55	0.05	96

Note: After consideration of line losses, total energy savings are **128,920 kWh and 40 summer coincident kW**. These values may also reflect minor DSM software rounding error

Appendix 3 – Cash Rebate

Measure	Amount
Water Cooled Chiller Tune Up	\$4,000

Appendix 4 – Utility Cost Test

Measure	UCT
Water Cooled Chiller Tune Up	4.41

Appendix 5 – Avoided Supply Costs

Measure	T&D	Production	Capacity	Quantity	Total Avoided Costs
Water Cooled Chiller Tune Up	\$0.80	\$4.23	\$2.42	2000	\$14,905

Appendix 6 – Utility Program Costs

Measure	Qty	Admin Costs	Total Costs
Water Cooled Chiller Tune Up	2000	\$1.38	\$2,757

MERCANTILE SELF DIRECT Ohio Chiller Tune-up Service 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)

Building Type – Required (check one)		
<input 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 checked="" 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 hear about the program? (check one)		
<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
---	--	---	---

Customer Information					
Customer/Business	MillerCoors LLC		Contact	Mark Koch	
Phone	513-844-4238		Account Number	2440-0870-01-9	
Street Address (Where incentive should be mailed)			2525 Wayne Madison Rd		
City	Trenton	State	OH	Zip Code	45067
Installation Street Address			same as above		
City		State		Zip Code	
E-mail Address			mark.koch@millercoors.com		

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

Vendor Information					
Vendor	Johnson Controls		Contact	service	
Phone	866-236-1941		Fax	none	
Street Address			7863 Palace Dr		
City	cinti	State	oh	Zip Code	45249
E-mail Address			none		

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

Payment Information		
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	5/2/2013
Provide Tax ID Number for Payee	Customer Tax ID #	26-83887410
	Vendor Tax ID #	NA

Terms and Conditions			
I have read and hereby agree to the Terms & Conditions and Program Requirements.			
Customer Signature		Vendor Signature	
Date	5/2/2013	Date	NA
Title	Sust. and Env. Engr	Title	NA

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.

Air Cooled and Water Cooled Chiller Tune-ups

Manufacturer and Model #	# of Units	Tons Per unit*	Total Project Cost	Current Service Date	Previous Service Date	Total Incentive
YKHFGBJ1-CBF	2	1000	\$0.00	4/1/2012	4/1/2011	\$4,970.00

*Provide manufacturer's spec sheet documenting the size of the unit

To Calculate your tune-up incentive*:

A. Add up equipment capacity of all units serviced (in tons) and multiply by \$4/ton =	\$8,000.00
B. Cost of service = \$9,940.00 x 50% of total service cost =	\$4970
Total Incentive (lesser amount of row A or row B)=	\$4,970.00

*Incentives cannot exceed 50% of total service invoice (**external** labor and equipment).

Service Requirements:

1. **This incentive is available only once per unit in a 12 month period.**
2. An individual chiller is considered one unit.
3. Copy of paid invoice must be included with this application
4. Self serviced (internal) labor should not be included as part of the total service cost. Only external labor will be considered as part of the total service invoice.
5. Cooling service must include the following normal maintenance items (**please check if completed**):

<input checked="" type="checkbox"/> Air cooled condenser coil cleaning	<input checked="" type="checkbox"/> Compressor amp draw	<input checked="" type="checkbox"/> Low Pressure controls
<input checked="" type="checkbox"/> System Pressure check and adjust	<input checked="" type="checkbox"/> Supply motor amp draw	<input checked="" type="checkbox"/> High Pressure controls
<input checked="" type="checkbox"/> Filter inspect or replace	<input checked="" type="checkbox"/> Condenser fan(s) amp draw	<input checked="" type="checkbox"/> Crankcase heater operation
<input checked="" type="checkbox"/> Belt inspect or replace	<input checked="" type="checkbox"/> Liquid line temperature	<input checked="" type="checkbox"/> Water cooled chiller condenser tube cleaning
<input checked="" type="checkbox"/> Contactors condition	<input checked="" type="checkbox"/> Suction pressure & temperature	<input checked="" type="checkbox"/> Water cooled chiller evaporator tube cleaning
<input checked="" type="checkbox"/> Evaporator condition	<input checked="" type="checkbox"/> Oil level & pressure	

Incentive Eligibility

- Incentives are only available to customers on 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 anytime.
- Customer may assign the incentive to the vendor who installed/supplied the equipment. The customer's signature is required in the appropriate places on 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.
- Any equipment which, either separately or as part of a project, has or will receive an incentive from any other Duke Energy program
- In no case will Duke Energy pay an incentive above the actual cost of the service.
- 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 or for any damage cause 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 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.
- 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.

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.

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 Corporation Individual/Sole Proprietor Partnership Other

Contact me via Phone E-Mail Mail

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.



Johnson Controls
Building Efficiency
Federal ID 39-0380010

ORIGINAL INVOICE

Invoice #: 1-4968482722
PO #/Auth: 630136990
Customer Acct: 1332657
Customer WO#:

Invoice Date: 04/02/2012
Your Agreement: Miller Brewing Chiller PSA 2012
Agreement Number: 1-4841374006
Service Request:
Branch: Cincinnati Service - 0364

Bill To:
MILLER BREWING COMPANY
3939 WEST HIGHLAND BOULEVARD
MILWAUKEE WI 53201

Service Site:
MILLER BREWING COMPANY00359457
2525 WAYNE MADISON RD
TRENTON OH
45067-9768

Planned Service Agreement Services Performed: For Period from 01-Apr-2012 to 31-Mar-2013

Sub Total		\$9,940.00
Taxes		\$0.00
Total Amount Due	USD	\$9,940.00

Direct Billing Inquiries: (866) 236-1941

Terms: If any invoice is not paid in full upon receipt, the Customer hereby agrees to pay interest at a rate of 1.5% per month (18% annually) upon the unpaid portion of the invoice. If action or suit is brought by Johnson Controls to collect any amount due or owing under this bill, Customer agrees to pay all costs of collection including attorney's fees.

We hereby certify that these goods are produced in compliance with all applicable requirements of sections 6, 7 and 12 of the Fair Labor Standards Act of 1938, as amended, and of regulations and orders of the Administrator of the Wage and Hour Division issued under section 14 thereof.

Please reference our Invoice Number and amount with your payment and send ONLY to the address on this invoice.

Payment Terms: Net Cash-Due Upon Receipt
Direct Billing Inquiries
To Service Department: (866) 236-1941

Remit Payment To:
JOHNSON CONTROLS
PO BOX 905240
CHARLOTTE, NC, 28290-5240

To Remit Via Credit Card:
Call the phone number listed above.

To Remit Via ACH Wire Transfers:
JP Morgan Chase
One Chase Manhattan Plaza
New York, NY 10005
Credit to: Johnson Controls Inc.
ABA# 071-000013 Depositor Acct #55-14347
Type of Account: Checking

INVOICE #: 1-4968482722

AMOUNT DUE: \$9,940.00

YK MAXE CHILLER PERFORMANCE SPECIFICATION

Unit Tag	Qty	Model No.	Net Capacity (tons)	Power	Refrigerant
CH-1	2	YKHFGBJ1-CBF	1000	460/3/60	R-134A

Unit Data	Evaporator	Condenser
EWT (°F):	58.00	85.00
LWT (°F):	38.00	96.34
Flow Rate (gpm):	1200	2500
Pressure Drop (ft):	22.4	17.4
Fluid Type (%):	WATER	WATER
Circuit No. of Passes:	3	2
Fouling Factor (ft ² °F hr / Btu):	0.00010	0.00025
Tube No. / Description:	181 - 0.025" Enhanced Copper	260 - 0.025" CSL Enhanced Copper
Design Working Pressure (psig):	150	150
Entering Water Nozzle @ Location:	F	12
Leaving Water Nozzle @ Location:	N	13
Water Box Weight, ea (lb)(2):	529	1123
Cover Plate Weight, ea (lb):	N/A	869
Return Head Weight (lb):	N/A	789
Water Weight (lb):	2025	3258
Water Volume(gal):	243	391

Performance Data		Electrical Data		Other	
Job KW:	680	Job FLA:	948	Operating Wt. (lb):	45878
Motor KW:	668	Motor FLA:	936	Per Isolator (lb):	11470
KW/Ton:	0.680	LRA:	5780	Refrigerant Wt. (lb):	2625
NPLV (1):	0.450	Inrush Amps:	948	Oil Charge (gal):	20
Gear Code:	FD	Min Circuit Ampacity (Amps):	1185	Motor Wt. (lb):	5750
OptiSound Cntrl:	YES	Max Fuse/Breaker:	2000	Compressor Wt. (lb):	4000
Shaft HP:	850			Starter Wt. (lb):	2500
Isolation Valves:	YES			Ship Wt (lb):	37970
Oil Cooler Type:	Standard				
Condenser Inlet:	Standard				
		Type Starter: Variable Speed Drive			

Notes:

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

Project Name: MILLER BREWING CO.	Sold To: YORK INTL SERV- CINCINNATI	
Location: TRENTON, OH	Customer Purchase Order No.: 953242284	
Engineer:	York Contract No.: 04132287	
Contractor:	Date:	Revision Date:



Issue Date: 03/13
 Project: Project
 Engineer: Sales Eng
 Customer: customer
 Software Version: YW 13.02a

Rating Program: LTC
 Rev: v1_129.idd
 Date: 05/02/13
 Page: 1 of 1

MODEL	YKHFGBJ1-CBF	(MOTOR SELECTED BY USER)	
REFRIGERANT (LB 134A)	0	GEAR CODE	FD(SPEC)
RATED NET CAPACITY (TR)	1000	SPECIFIED NET CAPACITY (TR)	1000
INPUT POWER (KW)	680	MAX MOTOR LOAD (KW)	691
VOLTAGE / HZ	460 / 60		
ORIFICE (VARY)	VALVE:3	OPTISOUND CONTROL	YES
ISOLATION VALVE	NO	A-Weighted SPL (dBA)	83.5
FLA	948	LRA	5780
MIN CIR. AMPS.	1185	MAX C.B.	2000
FULL LOAD (kW/TR)	0.68	NPLV	0.450

STARTER TYPE (10) VARIABLE SPEED DRIVE

	Evaporator	Condenser
FLUID	WATER*	WATER*
% BY WEIGHT	0.0*	0.0*
TUBE MTI NO.	181*	260* / 260
PASSES	3*	2*
FOUL FACTOR (hr.ft ² .°F/BTU)	0.00010*	0.00025*
FLUID ENT TEMP (°F)	57.93	85.00*
FLUID LVG TEMP (°F)	38.00*	96.35
FLUID FLOW (gpm)	1200.0*	2500.0*
FLUID PRDROP (ft)	22.4	17.4

(*) Designates Specified Input

IPLV / NPLV CALCULATION:

$$\text{IPLV OR NPLV} = \frac{1}{\frac{0.01}{A} + \frac{0.42}{B} + \frac{0.45}{C} + \frac{0.12}{D}} = \text{NPLV} = \frac{1}{2.2200} = 0.450$$

A = kW / TR AT 100% CAPACITY C = kW / TR AT 50% CAPACITY
 B = kW / TR AT 75% CAPACITY D = kW / TR AT 25% CAPACITY

% Load	CAPACITY (TR)	ECWT (°F)	kW / TR	WEIGHT	WEIGHTED TR / kW
100	1000.0	85.000	0.680	0.01	0.0147
75	750.0	75.000	0.523	0.42	0.8036
50	500.0	65.000	0.390	0.45	1.1538
25	250.0	65.000	0.484	0.12	0.2479

Certified in accordance with AHRI Water-Cooled Water Chilling Packages Using Vapor Compression Cycle Certification Program, which is based on AHRI Standard 550/590 (IP).
 Certified units may be found in the AHRI Directory at www.ahridirectory.org.



Compliant with ASHRAE 90.1 - 2004
 Compliant with ASHRAE 90.1 - 2007
 Compliant with ASHRAE 90.1 - 2010

Materials and construction per mechanical specifications - Form 160.73-EG1.

AUXILIARY COMPONENTS INCLUDED IN TOTAL KW – OIL PUMP & HEATER, CHILLER CONTROLS



Issue Date: 03/13
 Project: Project
 Engineer: Sales Eng
 Customer: customer
 Software Version: YW 13.02a

Rating Program: LTC
 Rev: v1_129.idd
 Date: 05/02/13
 Page: 2 of 2

PARTLOAD RATING WITH UNLOADING PER AHRI 550/590

MODEL	YKHFGBJ1-CBF	(MOTOR SELECTED BY USER)	
REFRIGERANT (LB 134A)	0	GEAR CODE	FD(SPEC)
RATED NET CAPACITY (TR)	1000	SPECIFIED NET CAPACITY (TR)	1000
INPUT POWER (KW)	680	MAX MOTOR LOAD (KW)	691
VOLTAGE / HZ	460 / 60		
ORIFICE (VARY)	VALVE:3	OPTISOUND CONTROL	YES
ISOLATION VALVE	NO		
FLA	948	LRA	5780
MIN CIR. AMPS.	1185	MAX C.B.	2000
FULL LOAD (kW/TR)	0.680	NPLV	0.450

STARTER TYPE (10) VARIABLE SPEED DRIVE

	Evaporator	Condenser
FLUID	WATER*	WATER*
% BY WEIGHT	0.0*	0.0*
TUBE MTI NO.	181*	260* / 260
PASSES	3*	2*
FOUL FACTOR	0.00010*	0.00025*
FLUID ENT TEMP (°F)	57.93	85.00*
FLUID LEV TEMP (°F)	38.00*	96.35
FLUID FLOW (gpm)	1200.0*	2500.0*
FLUID PRDROP (ft)	22.4	17.4

(*) Designates Specified Input

PART LOAD PERFORMANCE:

Pct Load	CAP (TR)	Pct Power	Inp Pwr (KW)	EEFT (°F)	ELFT (°F)	CEFT (°F)	CLFT (°F)	Sys Perf (KW/TR)
100.0	1000.0	100.0	680	57.93	38.00	85.00	96.35	0.680
90.0	900.0	79.9	543	55.93	38.00	81.00	91.03	0.603
80.0	800.0	64.1	436	53.94	38.00	77.00	85.79	0.545
70.0	700.0	51.6	351	51.94	38.00	73.00	80.60	0.501
60.0	600.0	39.0	265	49.95	38.00	69.00	75.41	0.442
50.0	500.0	28.7	195	47.95	38.00	65.00	70.26	0.390
40.0	400.0	22.9	156	45.96	38.00	65.00	69.20	0.390
30.0	300.0	20.3	138	43.97	38.00	65.00	68.19	0.460
20.0	200.0	15.7	107	41.98	38.00	65.00	67.14	0.535
15.0	150.4	14.9	101	40.99	38.00	65.00	66.65	0.672

Certified in accordance with AHRI Water-Cooled Water Chilling Packages Using Vapor Compression Cycle Certification Program, which is based on AHRI Standard 550/590 (IP).
 Certified units may be found in the AHRI Directory at www.ahridirectory.org.



Compliant with ASHRAE 90.1 - 2004
Compliant with ASHRAE 90.1 - 2007
Compliant with ASHRAE 90.1 - 2010

Materials and construction per mechanical specifications - Form 160.73-EG1.

AUXILIARY COMPONENTS INCLUDED IN TOTAL KW – OIL PUMP & HEATER, CHILLER CONTROLS.