

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

Case No.: <u>14-1896 - EL-EEC</u>

Mercantile Customer: Miller Coors LLC

Electric Utility: **Duke Energy** 

Program Title or

Feedwater Pump, CUSTOM

Description:

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 <u>ee-pdr@puc.state.oh.us</u>.

#### **Section 1: Mercantile Customer Information**

Name: Miller Coors LLC

Principal address: 2525 Wayne Madison Rd.

Trenton, OH 45067

Address of facility for which this energy efficiency program applies:

2993 Woodsdale Rd Trenton, OH 45067

Name and telephone number for responses to questions:

#### Megan Fox, (515)581-7651

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. (**Refer to Appendix A for 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 efficiend	cy program invo	olves (c	heck t	hose t	hat appl	ly)	):
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<b>√</b>	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)).

Replaced boiler feedwater pump which was oversized in March 2014

nstallation of new equipment to replace equipment that needed to l	be
replaced The customer installed new equipment on the following date(s)	):

Insta	llation of new equip	ment	for new con	struct	ion o	r facility ex	pansion.
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: 2,188,470 kWh Refer to Appendix B for calculations and supporting document

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:

	Annua.	l savings:	_k\	W	h
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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:kWh

## **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?

#### Sample - The new equipment was installed in April 2012

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

#### 249 kW

Refer to Appendix B for calculations and supporting documentation.

# 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.

ation 2 is selected, the application will not qualify for the 60 ds Note: automatic is by the app Con

	. All	2 is selected, the application will not qualify for the 60-day automatic applications, however, will be considered on a timely basis by the
The	custon	ner is applying for:
✓	Optio	on 1: A cash rebate reasonable arrangement.
OR		
	-	on 2: An exemption from the energy efficiency cost recovery anism implemented by the electric utility.
OR		
	Comr	mitment payment
The	value	of the option that the customer is seeking is:
Opt	ion 1:	A cash rebate reasonable arrangement, which is the lesser of (show both amounts):
		✓ A cash rebate of \$24,000. Refer to Appendix C for documentation. (Rebate shall not exceed 50% project cost.
Opt	ion 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

A)

B)

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 ski	ip Subsection 2)	

	documents.	
		dix D for calculations and supporting
✓	Utility Cost Test (UCT). The	calculated UCT value is 10.94 (Skip to

#### 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	<u> </u>
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 \$1,354,910.

The utility's program costs were \$99,819.

The utility's incentive costs/rebate costs were \$24,000.

Refer to Appendix D for calculations and supporting documents.

#### **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.

#### Account #: 24400870 01

## MILLER BREWING CO 2525 WAYNE MADISON RD TRENTON, OH 45067

Date		Days	Actual KWH	Bill KWH
	4/3/2014	, 29		8,358,077
	3/5/2014	29	8,114,026	8,235,736
	2/4/2014	29	7,807,404	7,924,515
	1/6/2014	33	8,042,187	8,162,820
	12/4/2013	34	9,452,062	9,593,843
	10/31/2013	29	8,338,055	8,463,126
	10/2/2013	29	8,572,596	8,701,185
	9/3/2013	32	9,821,474	9,968,796
	8/2/2013	30	9,667,763	9,812,779
	8/2/2013	30	9,667,763	9,812,779
	7/3/2013	29	9,247,916	9,386,635
	6/4/2013	32	9,640,639	9,785,248
	5/3/2013	29	8,246,926	8,370,630
	4/4/2013	30	8,041,357	8,161,977
	3/5/2013	29	7,783,972	7,900,732
	2/4/2013	31	7,914,194	8,032,907
	1/4/2013	32	7,995,876	8,115,814
	12/3/2012	33	8,808,918	8,941,052
	10/31/2012	29	8,125,096	8,246,972
	10/2/2012	32	8,350,116	8,475,368
	8/31/2012	29	5,592,868	5,676,761
	8/2/2012	30	6,660,680	6,760,590
	7/3/2012	29	5,239,043	5,317,629
	6/4/2012	32	5,847,160	5,934,867
	5/3/2012	30	4,896,092	4,969,533
	4/3/2012	29	4,812,526	4,884,714
	3/5/2012	31	4,321,964	4,386,793

	Baseline Use	ł		Post Project Actual				Savi	ngs
	Description	Annual kWh	Summer Coincident kW	Description	Annual kWh	Summer Coincident kW	Hours of Operation	Annual kWh	Summer Coincident kW
	<u> </u>	Allifual Kvvii	NVV	Description	Aimaarkwii	KVV	Operation	Aimaarkwii	KVV
	Existing 500 hp feedwater pump oversized for system and recirculated								
CM - 1	water a lot.	2,930,414	334	Smaller 200 HP pump with VFD.	882,186	100	8,760	2,048,228	234
Notes:	Energy consumption baseline, demand b	aseline and pos	t project ene	ergy consumption basis are outlined in the following pages.					
	After consideration of line losses, total en	ergy savings are	<b>2,188,470</b>	kWh and 249 summer coincident kW. These values may also re	flect minor DSN	1ore modeling	ງ software roເ	unding error.	
			ı						

#### **Appendix C -Cash Rebate Calculation**

#### MillerCoors LLC VFD Air Handler

Measure	Quantity	Cash Rebate Rate	Cash Rebate
		50% of incentive that would be offered by	
MillerCoors-Boiler FW Pump Upgrade	1	the Smart \$aver Custom program	\$24,000
			\$24,000

#### Appendix D -UCT Value

#### MillerCoors LLC VFD Air Handler

Measure	<b>Total Avoided Cost</b>	<b>Program Cost</b>	Incentive	Quantity	Measure UCT
MillerCoors-Boiler FW Pump Upgrade	\$1,354,910	\$99,819	\$24,000	1	10.94
Totals	\$1,354,910	\$99,819	\$24,000	1	

Total Avoided Supply Costs \$1,354,910 Aggregate Application UCT 10.94

Total Program Costs \$99,819
Total Incentive \$24,000



# **Ohio Mercantile Self Direct Program**

Application Guide & Cover Sheet

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

Email this form along with <u>completed Mercantile Self Direct Prescriptive or Custom applications</u> , proof of payment, energy savings calculations and spec sheets to <u>SelfDirect@Duke-Energy.com</u> . You may also fax to 1-513-629-5572.								
Mercantile customers, defined as using at least 700,000 kWh annually or having an account in multiple locations are eligible for the Mercantile Self Direct program. Indicate which applies:  a single Duke Energy Ohio account with 700,000 kWh annual usage an account with multiple locations								
	Please list Duke Energy account numbers below (attach listing of multiple accounts and/or billing history for other utilities as required):							
Account Number	Account Number Annual Usage Account Number Annual Usage							
2440-0870-07-9	90,000,000							
Self Direct rebates are available for completed Custom projects that have not previously received a Duke Energy Smart \$aver® Custom Incentive. Self Direct rebates 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 rules allow for, though do not require, certain projects that are Prescriptive in nature under the Smart \$aver program to be evaluated using the Custom process in the Self Direct program. Use the list on page two as a guide to determine which Self Direct program best fits your project(s). Apply for Self Direct projects using the appropriate application forms in conjunction with this cover sheet.								
Self Direct Program rules also allow for behaviorally based and/or no cost and low cost projects to receive rebates.								
Please check each box to indicate completion/inclusion of the following program requirements:								
All sections of appropriate application(s) are completed	☑ Proof of		Energy model/calculations and detailed inputs for Custom applications					
*If a single payment record is intended to demonstrate the costs of both Prescriptive & Custom								

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<sup>\*</sup>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.

<sup>\*\*</sup>Behavioral energy efficiency and demand reduction projects must be both measurable and verifiable. Provide justification with your application. Rebates for such projects may be small in magnitude.



Application Type	Prescriptive Measures with Optiona	al Custom Processing
Heating & Cooling and Window Films, Programmable Thermostats, &	☐ Energy Star Window/Sleeve/Room AC ☐ Central Air Unit	☐ Air Source Heat Pump Water Heater
Guest Room Energy Management Systems	☐ Setback/Programmable Thermostat ☐ Guestroom Energy Management Control	☐ Window Film
Chillers & Thermal Storage	☐ Air Cooled Chiller	☐ Water Cooled Chiller
Motors, Pumps and Variable Frequency Drives (VFDs)	☐ VFD – Applied to Process Pump ☐ VFD – Applied to HVAC Pump	☐ VFD – applied to HVAC Fan
Food Service	☐ ENERGY STAR Hot Food Holding Cabinet ☐ Night Covers for Display ☐ ECM Cooler, Freezer, and Display Case Motors ☐ ENERGY STAR Solid or Glass Door Reach-in Freezer	☐ Anti-Sweat Heater Control ☐ Cooking Equipment ☐ ENERGY STAR ICE MACHINE or Refrigerator
Process Equipment	☐ Engineered Nozzle – COMPRESSED AIR ☐ Air compressor equipped with VFD	☐ Pellet Dryer Duct Insulation
Chiller Tune-ups	☐ Air cooled chiller tune-up	☐ Water cooled chiller tune-up

Please indicate above any Prescriptive energy conservation measures to be evaluated through the Custom process. Only Prescriptive measures listed above are eligible for this option. To receive a Self Direct Custom rebate, a detailed analysis of pre-project and post-project energy usage and project costs must be included in the application.

Although some Self Direct Prescriptive measures are eligible for evaluation through Custom processes, such an approach may not be most effective for certain measures.



Proposed energy efficiency measures may be eligible for Self-Direct Custom rebates if they clearly reduce electrical consumption and/or demand as compared to the appropriate baseline.

Before you complete this application, please note the following important criteria:

- Submitting this application does not guarantee a rebate will be approved.
- · Rebates are based on electricity conservation only.
- Electric demand and/or energy reductions must be well documented with auditable calculations.
- Incomplete applications cannot be reviewed; all fields are required.

Refer to the complete list of Instructions and Disclaimers, beginning on page 6.

#### **Notes on the Application Process**

If you have any questions concerning how to complete any portion of the application or what supplementary information is required, please contact your Duke Energy Ohio, Inc account manager or the Duke Energy Self Direct team at 1-866-380-9580.

Every application must include calculations of the baseline electrical usage and the electrical usage of the proposed high-efficiency equipment/system. These calculations are performed and submitted by the Duke Energy Ohio customer, or your designated equipment vendor / engineer. Application Part 2 worksheets and page 6 of this application contain additional guidance on acceptable calculations. Complex or unique projects may require the use, at the applicant's expense, of modeling software. Please contact the Duke Energy Self Direct team with questions about these requirements.

If you do not receive an acknowledgement email within 1 day of submitting an application via online, email, or fax, or within 1 week of sending an application via mail, please call 1-866-380-9580. The acknowledgement email will provide with an estimated response time based on an initial assessment of your application. The application review may include some communication to resolve any questions about the project or to request additional information. Applications that are received complete without missing information have a faster review time.

There are two ways to submit your completed application form and excel worksheets.

Email: Complete, sign, scan and send this application form and attachments to:

SelfDirect@duke-energy.com (Note attachment size limit is applicable)

Fax: 513-629-5572

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# 1. Contact Information (Required)

Duke Energy Cu	stomer Contact I	nformation		·			
Company Name	MillerCoors LLC						
Address	2525 Wayne Madison Rd						
City	Trenton State OH Zip Code 45067						
Project Contact							
Title Sust. and Env. Engr							
Office Phone	513-844-4238						
E-mail Address	mark.koch@millercoors.com						
Equipment Vendor / Contractor / Architect / Engineer Contact Information							
Company Name Process Pump and Seal							
Address	2993 Woodsdale Rd						
City	Trenton State OH Zip Code 45067						
Project Contact	Mr.						
Title	Sales						
Office Phone	513-988-7000	Mobile Phone	NA		Fax	NA	
E-mail Address	s john@processpumpandseal.com						
Who is the primary point of contact for technical questions? <sup>1</sup>							
Payment Informa	tion						
	warded, who shou	ıld receive navm	ent? <sup>2</sup>				
□ Customer     □ Customer		stomer must sign					
I hereby authorize	payment of incen	tive directly to the	e vendo	r:	97		
Customer Signatu	ire <u>May</u>	1/10/	Dat	e <u>4,/</u> 5	,20,	<u>/4</u> (mm	n/dd/yyyy)
Tax ID Number fo	r Payee	141.01	1 1	• 4 . 4 .	26.000	205440	

W-9 has already been provided. 26-83387410

Provide W-9 for Payee

<sup>&</sup>lt;sup>1</sup> Note that if the vendor is the primary point of contact, the customer will still be copied on all application correspondence. If the customer does not wish to be copied, the customer must provide a signed waiver indicating an entity acting as agent for the customer. Duke Energy does not act as agent.

<sup>&</sup>lt;sup>2</sup> If payment is to be made to an entity other than the Duke Energy account holder or the vendor, a payment waiver is required and will be provided for customer signature.



# 2. Project Information (Required)

A.	Please indicate project type:  New Construction Expansion at an existing facility (existing Duke Energy account number) Replacing equipment due to equipment failure Replacing equipment that is estimated to have remaining useful life of 2 years or less Replacing equipment that is estimated to have remaining useful life of more than 2 years Behavioral, operational and/or procedural programs/projects
and	Please describe your project, or attach a detailed project description that describes the project.  Repalced a boiler feedwater pump with a much smaller pump. The original pump was oversized energy was wasted by recirculating large quantities of water. The new pump is sized for rent conditions.
C.	When did you start and complete implementation? Start date 12/2013 (mm/yyyy) End date 03/2014 (mm/yyyy)
	Are you also applying for Self-Direct Prescriptive rebates and, if so, which one(s) <sup>3</sup> ?  No. We are completing this MSD application and requestin cancellation of Duke Energy Custom entive Application CS013-1592245.
E.	Please indicate which worksheet(s) you are submitting for this application (check all that apply):  Lighting Variable Frequency Drive (VFD) Compressed Air Energy Management System (EMS) General (for projects not easily submitted using one of the above worksheets)
F.	List all assumptions about the baseline and proposed equipment energy use and operation schedule, or attach a document listing that information. Attach specification sheets for all proposed new equipment. American Marsh miltistage Horizontal Split Case Pump 200 HP.

G. Attach a supplier or contractor estimate, engineer's cost estimate, and/or other equivalent information documenting the Implementation Cost for each project listed in your application. Does the Implementation Cost include any internal labor<sup>4</sup>? NO If yes, please specify which

<sup>4</sup> Internal labor costs cannot be counted in the Incremental Project Cost for purposes of analysis.

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costs are internal labor. 0

<sup>&</sup>lt;sup>3</sup> If your project involves some equipment that is eligible for prescriptive rebates and some equipment that is likely eligible for custom rebates, and if it is feasible to separate the equipment for the energy analysis, then the equipment will be evaluated separately. If it is not feasible to separate the equipment for analysis, then the equipment will be evaluated together in the custom application.



# 3. Signature

(Required – must be signed by Duke Energy customer)



# **Checklist for completing the Application**

INCOMPLETE APPLICATIONS WILL RESULT IN DELAYS IN DUKE ENERGY PROCESSING YOUR APPLICATION AND NOTIFYING YOU CONCERNING AY REBATES. Before submitting the application and the required supplementary information, use the following checklist to ensure that your application is complete and the information in the application is accurate. (Note: this checklist is <u>for your use only</u> – do not submit this checklist with your application)

Section No. & Title	Have You:
Contact     Information	☐ Completed the contact information for the Duke Energy customer? ☐ Completed the contact information for the equipment vendor / project engineer that can answer questions about the technical aspects of the project, if that is a different person than above?
2. Project Information	<ul> <li>☐ Answered the questions A-G, including providing a description of your project.</li> <li>☐ Completed and attached the lighting, compressed air, VFD, EMS and/or General worksheet(s)?</li> <li>☐ Attached a supplier or contractor estimate, engineer's cost estimate, and/or other equivalent information documenting the Implementation Cost for each project listed in your application? (Note: self-install costs cannot be included in the Implementation Cost)</li> </ul>
3. Signature	☐ Signed your name? ☐ Printed your name? ☐ Entered the date?
Supplementary information (Required)	☐ (If submitting the General Worksheet) attached calculations documenting the energy usage and energy savings for <u>each</u> project listed in your application?

If you have any questions concerning how to complete any portion of the application or what supplementary information is required, please contact:

 your Duke Energy account manager or,

• the Duke Energy Self Direct team at 1-866-380-9580.

Submit your completed, signed application with attachments via email or fax:

Email: SelfDirect@duke-energy.com

Fax: 1-513-629-5572.

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# **Preferred Customized Calculation Tools**

Please refer to the list below of the preferred software tools to use when calculating the baseline electrical usage and the electrical usage of the proposed high-efficiency equipment or system. Click on each software tool to learn more.

Software Tool	Category
<u>eQuest</u>	Nonresidential retrofits and new construction
<u>EnergyPlus</u>	Nonresidential retrofits and new construction; Whole building simulation
Carrier® HAP	HVAC
Trane® Trace <sup>™</sup>	HVAC
DOE OIT Pumping System Assessment Tool (PSAT)	Pumps
MotorMaster+	Motors
AirMaster	Air compressor systems
Emerson <sup>TM</sup> Product Selection & Energy Analysis	Refrigeration compressor retrofits using BIN analysis. <sup>2</sup> For projects of approximately 250,000 kWh or less.
DOE2.2R	Refrigeration measures
<u>SkyCalc<sup>™</sup></u>	Skylighting
BinMaker®	Weather data analysis tool
AFT Fathom	Fluid flow analysis for industrial systems

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#### Instructions/Terms/Conditions

Note: Please keep for your records- do not submit with the application

- 1. Energy service companies or contractors may assist in preparing the application, but an authorized representative of the customer must sign this application to be eligible to participate in the Mercantile Self Direct Program. Completion of this application does not guarantee the approval of a Self Direct Custom Rebate.
- Once all documentation requested in this application is received by *Duke Energy Ohio, Inc,* and any follow-up information requested by *Duke Energy* is received, the rebate amount for each Energy Conservation Measure (ECM) will be communicated to the customer. The rebate amount will be based on ECM energy savings and ECM incremental installation cost.
- All rebates require approval by the Public Utilities Commission of Ohio. Duke Energy Ohio, Inc will submit an application for rebate on the customer's behalf upon customer attestation to program terms, conditions and requirements as outlined in the rebate offer letter and upon customer completion of attestation documents required by the Public Utilities Commission of Ohio.
- 4. Duke Energy Ohio, Inc will issue a Self Direct Custom Rebate check, based on the approved rebate amount for each ECM, upon receiving approval from the Public Utilities Commission of Ohio. Duke Energy Ohio, Inc does not guarantee PUCO approval.
- 5. With the application, the customer must provide a list of all sites where the ECMs were installed. *Duke Energy Ohio, Inc* requests that sites of similar size, hours of operation and energy consuming characteristics be grouped together in one application for the determination of the rebate amount. The application should identify the site where each unique ECM was installed.
- 6. Based on the information submitted with the application and the information gathered both before and after the initial installation of the ECM, *Duke Energy Ohio*, *Inc* will calculate the rebate amount for each ECM.
- 7. Duke Energy Ohio, Inc may conduct random site inspections of a sample of the locations where the ECMs are installed to verify installation and operability of the ECMs and to obtain information needed to calculate the Approved Rebate Amount.
- 8. Customers are encouraged to retain copies of all forms, invoices and supporting documentation for their records.
- 9. Approved rebates are valid for 6 months from the date communicated to the customer by Duke Energy Ohio, Inc, subject to the expiration of measure eligibility based on project completion dates and application submission deadlines as defined by PUCO. Customers are encouraged to execute their rebate offer contracts and PUCO-required affidavits promptly to ensure eligibility is not forfeited.

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- 10. Duke Energy Ohio, Inc reserves the right to recover all unrecoverable costs associated with the project approval if the customer decides not to execute the rebate contract, after the project is approved by Duke Energy Ohio, Inc.
- 11. Projects financially supported by other funding sources will be evaluated on a case-by-case basis for potential partial funding from *Duke Energy Ohio, Inc.*
- 12. Participants must be *Duke Energy Ohio, Inc* nonresidential, mercantile customers with the project sites in the *Duke Energy Ohio, Inc* service territory.
- 13. Customers or trade allies may not use any *Duke Energy* logo without prior written permission.
- 14. Only trade allies registered with *Duke Energy* are eligible to participate.
- 15. All equipment must be new. Used or rebuilt equipment is not eligible for rebates. All old existing equipment must be removed on retrofit projects.
- 16. Disclaimers: Duke Energy Ohio, Inc.
  - does not endorse any particular manufacturer, product or system design within the program;
  - b. will not be responsible for any tax liability imposed on the customer as a result of the payment of rebates;
  - c. does not expressly or implicitly warrant the performance of installed equipment. (Contact your contractor for details regarding equipment warranties.);
  - d. is not responsible for the proper disposal/recycling of any waste generated or obsolete or old equipment as a result of this project;
  - e. 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; and
  - f. reserves the right to change or discontinue this program at any time. The acceptance of program applications is determined solely by *Duke Energy Ohio, Inc.*

Page 9

# Feedwater Pump MSD information 4/15/2014

Project Cost \$ 240,371.90

kwh

Before 2,930,400.00 After 882,183.00 Savings 2,048,217.00

Cost per kwh \$ 0.06

Annual Savings \$ 122,893.02 Simple Payback (years) 1.96

\* COMMITMENT SUMMARY REPORT \*

User ID: UQ01 Program: ZKIOR055

# Sort Sequence Pattern : Vendor/PO/IO

Company: 0100 MBC / MillerCoors LLC

Plant	Int.	0rd.#	Int. Ord.# Vendor #	Vendor Name	Budget A1	Area	Pur. Ord.#	Purchase Order Capital Amt. Expense	Amt.	Actual Capital Amt. Ex	al Expense Amt.
88888	111948 111948 111948 111948	999999	106827 106827 106827 106858 207506	DEBRA-KUEMPEL DEBRA-KUEMPEL DEBRA-KUEMPEL PROCESS PUMP & THERMAL SOLUTIO	15-CORP. 15-CORP. 15-CORP. 15-CORP.	ENGINEE ENGINEE ENGINEE ENGINEE ENGINEE	101046826 101051768 101051768 101042515	2,749.0 31,095.0 9,400.9 79,000.0	0.00	91,708.4 2,749.0 31,095.0 9,400.9 80,268.6	10,000.00
Company	ny Tota	: 1:						137,394.9	0.01	230,371.9	10,000.00
Grand	Grand Total							137,394.9	10.0	230,371.9	10,000.00

Projectiost (excludes all self) installed costs

# PROCESS PUMP & SEAL, INC.

2993 WOODSDALE ROAD TRENTON, OHIO 45067 PH (513) 988-7000 / 1-800-582-4500 FAX. (513) 988-7007

488 OLD CHEAT ROAD MORGANTOWN, WV 26508 PH: (304) 296-0094 FAX (304) 296-0095

#### INVOICE

**REMIT TO:** 

PROCESS PUMP & SEAL, INC. P.O. BOX 630158 **CINCINNATI, OHIO 45263-0158** 

INVOICE NO.	PAGE				
00074016	1				
INVOICE DATE					
12/04/1	3				

BILL TO:

MILLER BREWERY ACCOUNTS PAYABLE PO BOX 3103 MELWAUKEE, WI 53208-3103 USA

#### SHIP TO

MULLER BREWERY - STOREROOM STOREROOM 2525 WAYNE MADDSON ROAD TRENTON, OH 45067

ORDER NO.	ORDER DATE	CUSTOMER NO	LOC	REP			
67755	12/04/13	00000013480	O CI	006			
cus	FOMER P.O. NUME	BER	ЈОВ ИИМЕ	BER	SHIP VIA	PPD / COL	
10104254	5				Shipping & Hdlg		
ITEM NU DESCRI	A STATE OF THE PARTY OF THE PAR	QTY. ORDERED			RETURNED UNIT PR	ICE U	OM EXTEND

AMERICAN-MARSH MULTE-STAGE HOREZONTAL SPLIT-CASE PUMP ASSEMBLY PROPROSED FOR THE BOILER FEED WATER APPLICATION - PUMP WILL HAVE A REGHT HAND SETUP - MEANING FACONG THE PUMP WHILE SDANDING ON THE MOTOR - THE SUCTION WILL GOME IN ON THE RUGHT HAND SIDE AND THE DISCHARGE ON THE LEFT. THE PUMP WILL COME WITH A 200HP MOTOR RATED FOR A VFD, MECHANICAL SEAL INCLUDED. WILL BE SUPLLIED WITH FLOW MAX OF 350 GPM WETH A 200 HP MOTOR AND 10" IMPELLER. 380 SERUES AMP. PER QUOTE FROM PROCESS PUMP AND SEAL .

QUANTITY SHIPPED (1) \$79,000.00

70 000 00

COMMENTS:	SALE AMOUNT ENVIRONMENTAL FEE SHIPPING/HANDLING SALES TAX TOTAL AMOUNT RECEIVED	.00 1,268.64 .00 80,268.64
TERMS: Net 30 Day	BALANCE DUE	80,268.64

Legend

 $AMEC = Annual\,Motor\,Energy\,Cost$   $HDO = Hours\,/\,day\,of\,operation$   $DYO = Days\,/\,year\,of\,operation$   $AMH = Actual\,motor\,horsepower[\,rated\,conditions]$   $ME = Motor\,efficiency$   $KWC = KW\,\,consumed$   $CE = Cost\,of\,energy[\,rac{\$}{KWh}\,]$   $ACE = Annual\,cost\,of\,energy$ 

Step 1: AMEC

1.1 Determine Formula 
$$KWC = \frac{746 \times AMH}{ME}$$

1.2 Determine Values 
$$KWC = \frac{.746 \times 426}{.95 \%}$$

1.3 Solve 
$$KWC = \frac{317.796}{95\%}$$

1.4 Result 
$$KWC = 334.5221$$

1.5 Determine Formula 
$$ACE = HDO \times DYO \times KWC \times CE$$

1.6 Determine Values 
$$ACE = 24 \times 365 \times 334.5221 \times 0.06$$

1.7 Result 
$$ACE = \$175824.8158$$

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1

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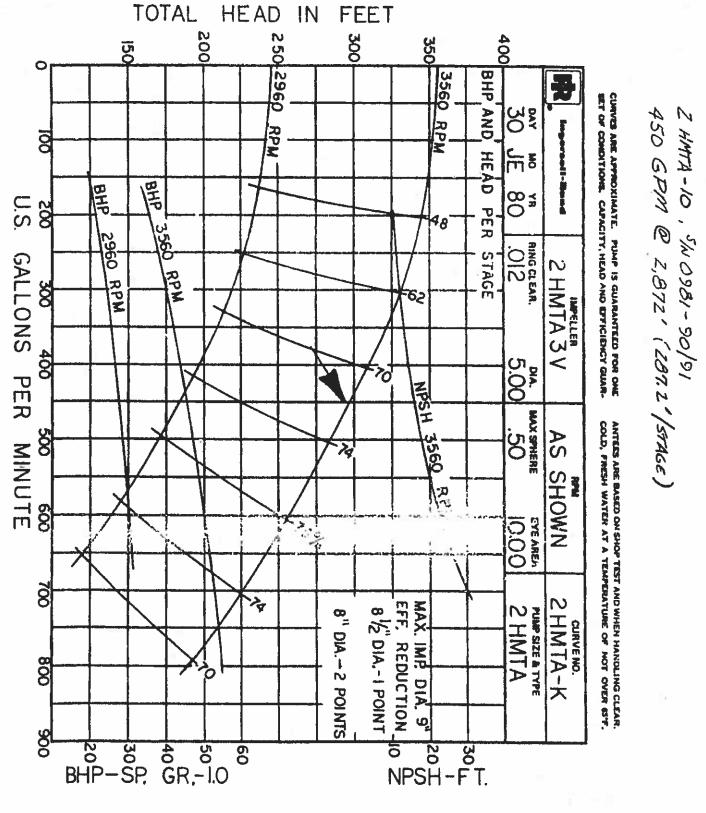
- II - - II - - II - III - III

# REQUISITION TO FURCHASING DEPARTMENT

MILLER BREWING COMPANY
THIS IS NOT A PURCHASE ORDER

PURCHASE ORDER NO.

	EWING COMPANY P <b>URCHASE ORD</b> I	PURCHASE OROER NO	444	<u> </u>
DATE STONED LIGHT 15, 1981 OC NOT WRITE SEYOND THIS LINE	PURCHASING DEPT. L			
INTERNAL DELIVERY TOROTHY J. Goll/Utilities Bldg.	ORDERED FROM	MIE	EAS	
VENDOR DELIVER TO MECo., Tranton, Ohio	ADDRESS			
SUGGESTED Ingersoll-Rand Company		CENTRAL ENG	GINEERING	ŧ÷
ADDRESS 888 Industrial Drive				
Elmhuret, IL 60126			1981	
PHONE 312/530-3800 REQUESTED 12 , 21, 81	F. O. B			
CO PLANT DEPARTMENT ACCOUNT SHAND	DELIVERY DATE ON O	R BEFORE		
CLASE ACCOUNT DEPT PLANT JOB	1			
DESCRIPTION	MIN OUR CATALOG	ORDER UNIT OF QUANTITY SOUE	PRICE	PER TRADE
THIS REQUISITION REPLACES PRELIMINARY REQUIS	ITION #460600 AP	PROVED 6/12/81.	O	-
TITLE: BICH PRESSURE BOILER FEED PUMPS, EP-	8839			
1. DESCRIPTION -		5 =	167	
Furnish and deliver three (3) Model 2HM	TA-10 Stage, Hor	izontally	100	790
Split Case, Diffusor Type High Pressure		s with	1	2
			17	
chrome casing and chrome internals. Fi	tted with metall	c boiler	-6-	
feed packing, standard ball bearing com	struction, Waldr	on WSP 7"	17.1	
spacer coupling, OSHA approved coupling	guard and two-el	ement center	PROJECT	<u> </u>
collecting steel bedplate. Each pump s	hall be size to	ieliver	TEN TEN	CONTINUE NO
450 gpm of boiler feedwater at 260°F at	a total dynamic	head of	-	
2,872 feet. Required NPSH is 14.0 feet	BHP at design of	perating		
point ~ 426 BHP. Efficiency at design	point - 72%	1 1		
REMARKS (Indicate Where Used)		COURT TRANSFER	~_(	ن ن
PROJECT NO. 7622		PURCH. ANT.		ယ 
CAPITAL ITEM YES NO TRENTION PROJECT		PREIGHT	1	<u> </u> ത
HIGH PRESSURE BOILE	R FEEDS PUMPS	ECT Other	1	®
Dy CHAPTERY SECTION 3	Page 1 of			, <u>(( -</u> <del>) )</del>
Requested by	nisay 422/81	Purchasing Dapi, Q.E.		
S. Horrissay/S. Thinnes/mm	7	CONFIRMING TELES	ON []	
MAIL INVOICES TO:				· 45
PLANTS PLO. BOX MSZZ PLOTON, NEW YORK ISSEN	PORT WORTH, TEXAS TOOL	P. O. BOX 2227 BOSN, N. CAROLINA 27388	T YDRY CY	N AVENUE ALIFORNIA 91 PG2
PLANTS MILWAUREE, WI BEEST PULTON, NEW YORK 10000	P. O. BOX 40438 PORTH WORTH, TEXAS 76140			
LECATIONS COMPONATE OFFICES  MILWAUKSE WI SSEN			WATERLOS	DAILTING D, WI \$3664



Dair 3/14/94 Ingersell Bresser Pump Company

Pages: Creat Lakes Regional Sales UCSec 6250 Halls Drive

Creat Lakes Regional Sales UCSec 6250 Halls Drive

Created Advisor Created OH 44125

Fax Number: (5/3)844-4/85 From: Rob Parkeut

TOTAL P.01

#### Pump Data Sheet - American-Marsh Pumps

Company: Process Pump & Seal

Name Miller Date 4/5/2013 Boiler Feed Water Pump



Pump:

Size: 3x4-10 OSMH4 (4 stage)

Type: 380\_MULT/HSC Synch speed: 3600 rpm

Curve: CS-10445 4V1184 Specific Speeds:

opecine opecus.

Dimensions

Speed: 3500 rpm Dia: 10 in

Impeller: Ns: 1045 Nss: 8382

Suction: 4 in Discharge: 3 in

Pump Limits:

Temperature: 400 °F Pressure: 700 psi g Sphere size: 0.0625 in Power: 400 hp Eye area: --- Search Criteria:

Flow: 350 US gpm

Head: 1400 ft

Fluid:

Water SG: 0 938 Viscosity: 0 2108 cP

NPSHa: -

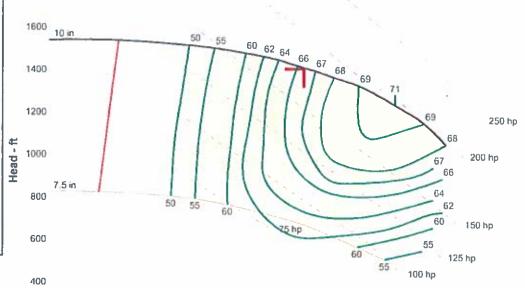
Temperature: 257 °F Vapor pressure: 33.72 psi a Alm pressure: 14.7 psi a

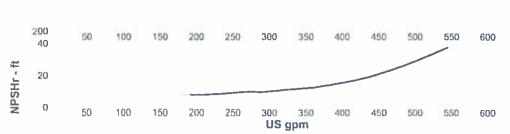
Motor:

Standard: NEMA Enclosure: TEFC Size: 250 hp Speed: 3600 Frame: 449TS

Sizing criteria: Max Power on Design Curve







Performance E	valuation:				
Flow US gpm	Speed	Head ft	Efficiency %	Power hp	NPSHr ft
420	3500	1326	69	192	17.6
350	3500	1406	66	176	12.4
280	3500	1469	61	160	10
210	3500	1507	53	142	8.28
140	3500	1521	43	124	7 2

New Pump and Motor

Legend

 $AMEC = Annual\,Motor\,Energy\,Cost$   $HDO = Hours\,/\,day\,of\,operation$   $D\,YO = D\,ays\,/\,year\,of\,operation$   $AMH = Actual\,motor\,horsepower\big[\,rated\,conditions\big]$   $ME = Motor\,efficiency$   $K\,WC = K\,W\,\,consumed$   $CE = Cost\,of\,energy\Big[\,rac{\$}{K\,Wh}\,\Big]$   $A\,CE = Annual\,cost\,of\,energy$ 

Step 1: AMEC

1.1 Determine Formula 
$$KWC = \frac{.746 \times AMH}{ME}$$

1.2 Determine Values 
$$KWC = \frac{.746 \times 130}{96.3\%}$$

1.3 Solve 
$$KWC = \frac{96.98}{96.3\%}$$

1.4 Result 
$$KWC = 100.7061$$

1.5 Determine Formula 
$$ACE = HDO \times DYO \times KWC \times CE$$

1.6 Determine Values 
$$ACE = 24 \times 365 \times 100.7061 \times 0.06$$

1.7 Result 
$$ACE = $52931.1262$$

#### Pump Data Sheet - American-Marsh Pumps

Company: Process Pump & Seal

Name:

Date: 8/30/2013



Pump:

Size: 3x4-10 OSMH4 (4 stage)

Type: 380\_MULT/HSC Synch speed 3600 rpm

Curve: CS-10445 4V1184

Specific Speeds:

Dimensions:

Speed. 3100 rpm Dia 10 in Impeller.

Ns. 1045 Nss 8382 Suction: 4 in Discharge: 3 in

Pump Limits:

Temperature: 400 F Pressure: 700 psi g Sphere size: 0.0625 in Power: 400 hp Eye area: ---

Search Criteria:

Flow: --Head: --

Fluid:

Water SG: 1

Viscosily 0.9946 cP

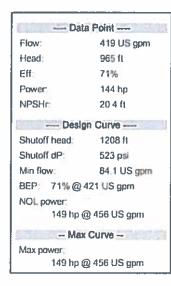
NPSHa: --

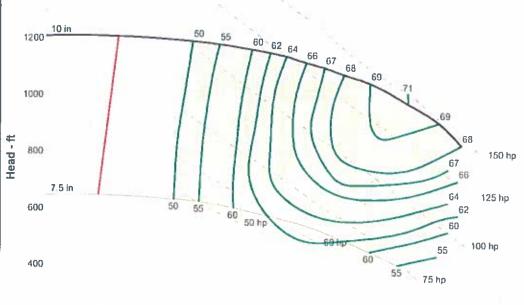
Temperature: 68 °F Vapor pressure: 0.3391 psi a Alm pressure: 14.7 psi a

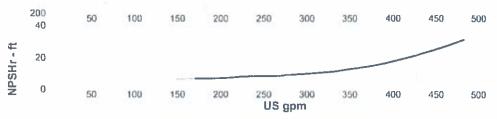
Motor:

Standard: NEMA Enclosure: TEFC Size: 150 hp Speed: 3600 Frame: 445TS

Sizing criteria Max Power on Design Curve







Performance E	valuation:				
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr It
463	3100	874	69	149	27 6
386	3100	1020	69	143	16.1
309	3100	1104	66	130	10.2
232	3100	1161	59	115	8.01
154	3100	1189	47	98.5	6.36

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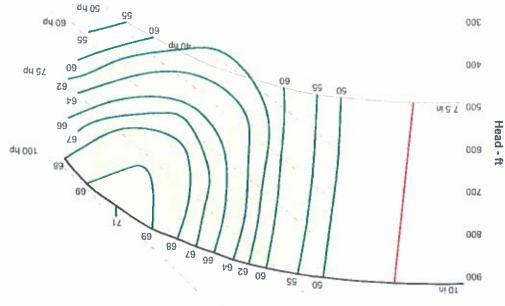
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SCHOLD MILLI SOLD TO MILLI SHIPTED TO MILLI SERVICE G G CUNVE NO. 2HMTA-K PEM 2HMTA-K PEM 3560 06540P PSIG 1800 HYDROP SIG	GPM AT P 1.  450 TOTAL HEAD FT SUCTION PSIG  EFF. % DESIGN 72 PUMP TEMP ** 26.5 SP. CA.P F.	VISC. P.1 COMBIST VP. AT P PH SUCTION MESHR F.W.D.S.	2
16 Group 7 X.2 A.R. 19 19 19 19 19 19 19 19 19 19 19 19 19	P.O. Box 487, Principaurg.	7. 20 %	3,
	27.00.00 S.W. 8.	# 46 6 m / Hr	
100 to 300 1	251	# # # # # # # # # # # # # # # # # # #	Contraction of the contraction o



Company: Process Pump & Seal

8/30/2013	Dale
- 17	этвИ

Siza: 100 hp Speed: 3600 Frame: 4057.5 sign Cuive	Standard: NEMA Enclosure: TEFC Sizing criteria: Max Power on De	Power 400 hp	Pump Limits: Temperature: 400 °F: Pressure: 700 psi g Sphere size: 0 0625 in
	Molos:	Suction: 4 in Discharge: 3 in	Dimensions
Aum presenter 14.7 psi a	NPSHa: —	Ns: 1045 Nss: 8382	Specific Speeds:
Temperature: 68 °F piza is a service: 0 3391 psi a	Water SG-1	lmpeller	Curve CS 10445 4V1184
	Fluid:	Speed: 2700 rpm ni 01: :isiO	Type: 380_MULT/HSC Synch speed: 3600 rpm
beaH	Elow		(agets 4) AHMSO Of-4x5 assi2
	Search Criteria:		Ритр:



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Page 8 of 13 BALDOR



## **Insulation Contractors**

# Thermal Solutions, Inc.

8481 Sourard Read + Fairfield, Ohlo 45814 + Phone: (513) 742-2836 + Faz: (513) 742-2665

◆ Quality Workmanship ◆ Competitive Rates ◆ Experienced Technicians

INVOICE

Bill To:

MillerCoors LLC

PO Box 3103

Milwaukee

53201-3103 WI

Invoice No:

16460

Date:

4/8/2014

**Due Date:** 

5/8/2014

M. Way meyer

Job No:9183

Project: MillerCoors - Feed Water Pump

Customer Job / PO#:630203582

**Description** 

**Extended Price** 

Insulation of #2 HPFW pump / piping.

4.500.00

6007317109 207506-4/15/14

# PROCESS PUMP & SEAL, INC.

ORDER DATE CUSTOMER NO. LOC SALES

2993 WOODSDALE ROAD TRENTON, OHIO 45067 PH; (513) 988-7000 / 1-800-582-4500 FAX: (513) 988-7007 485 OLD CHEAT ROAD MORGANTOWN, WV 26508 PH: (304) 296-0094 FAX: (304) 296-0095

### **INVOICE**

REMIT TO: PROCESS PUMP & SEAL, INC. P.O. BOX 630158 CINCINNATI, OHIO 45263-0158



BILL TO:

ORDER NO.

MILLER BREWERY
ACCOUNTS PAYABLE
PO BOX 3103
MILWAUKEE, WI 53208-3103
USA

SHIP TO:

MILLER BREWERY - STOREROOM STOREROOM 2525 WAYNE MADISON ROAD TRENTON, OH 45067

_		Industrial Control of the Control of	A CONTRACTOR OF THE PERSONS	100						
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	PFS		1.00			1.00	830.000	) EA	830.00	
	ALIGNMENT	OF #2 HP	FW PUMP						990.00	

6007 481980 106858 106005 613614

COMMENTS:		SALE AMOUNT ENVIRONMENTAL FEE SHIPPING/HANDLING SALES TAX TOTAL	830.00 .00 .00 .00 830.00
		AMOUNT RECEIVED	.00
TERMS:	Net 60 Days	BALANCE DUE	830.00





11860 MOSTELLER ROAD A FERGUSON COMPANY CINCINNATI, OH 45241-1569

Please contact with Questions: 513-771-6000

WY059655

751

PAGE 1

# PLEASE REFER TO INVOICE NUMBER WHEN MAKING PAYMENT AND REMIT TO:

FERGUSON ENTERPRISES INC #1480 WOLSELEY INDUSTRIAL GROUP PO BOX 644054 PITTSBURGH, PA 15264-4054

SHIP TO: P + F TES, DOGS 1

MILLER BREWING UTILITIES 2525 WAYNE MADISON DELIVER TO DOOR 89 AFTER CHECKING INTO RECEIVING

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MILLERCOORS LLC
CORP OPERATIONS AP
PO BOX 3103
MILWAUKEE WI 53201-3103

HIP HSE.	SELL WHSE.	TAX C	ODE CUE	TOMER ORDER NUMBER	SALESMAN	JOB	NAME	INVO	ICE DATE	BATCH
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**ORIGINAL INVOICE** 

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11860 MOSTELLER ROAD

A FERGUSON COMPANY CINCINNATI, OH 45241-1569



#### EMAIL DUPLICATE INVOICE

Deliver From:

CASSANDRA 844-4171

Luke Bastin

Comments:

Please Contact With Questions:

**WOLSELEY INDUSTRIAL GROUP#2503** 

513-771-6000

Invoice Number	Customer	Page
WY059655-1	751	1

Please refer to Invoice Number when making payment and remit to:

TOTAL DUE --->

3051.86

FERGUSON ENTERPRISES INC #1480 WOLSELEY INDUSTRIAL GROUP PO BOX 644054 PITTSBURGH, PA 15264-4054

Sold To:

MILLERCOORS LLC CORP OPERATIONS AP PO BOX 3103

MILWAUKEE, WI 53201

Ship To:

MILLER BREWING UTILITIES 2525 WAYNE MADISON DELIVER TO DOOR 89 AFTER CHECKING INTO RECEIVING

Ship Whse	Sell Whse	Tax Code		omer Number	Sales Person	Job Na	me	Invoid Date		Batch
1480	2503	OHE	63019	9094	KJM	Utilities		02/13/2014		152672
Ordered	Shipped	Item	Number		Descripti	on	Unit Price	UM	Ar	nount
3	3	P6003F0	C8GXXXM	3 CS 600	# FLG OS&Y	SATE VLV	684.586	EA	EA	

3 3 P6003FC8GXXXM 3 CS 600# FLG OS&Y GATE VLV 684.586 EA 2053.76
2 2 P6061FC8GXXXM 3 CS 600# FLG SWG CHK VLV 499.048 EA 998.10

Invoice Sub-Total 3051.86

Tax 0.00

Total Amt

TOTAL DUE --->

3051.86

3051.86

ALL ACCOUNTS ARE DUE AND PAYABLE PER THE CONDITIONS AND TERMS OF THE ORIGINAL INVOICE. ALL PAST DUE AMOUNTS ARE SUBJECT TO A SERVICE CHARGE AT THE MAXIMUM RATE ALLOWED BY STATE LAW PLUS COSTS OF COLLECTION INCLUDING ATTORNEY FEES IF INCURRED. FREIGHT TERMS ARE FOR OUR DOCK UNLESS OTHERWISE SPECIFIED ABOVE. COMPLETE TERMS AND CONDITIONS ARE AVAILABLE UPON REQUEST OR CAN BE VIEWED ON THE WEB AT http://wolseleyna.com/terms\_conditionsSale.html GOVT BUYERS: ALL ITEMS QUOTED ARE OPEN MARKET UNLESS NOTED OTHERWISE.

LEAD LAW WARNING: IT IS ILLEGAL TO INSTALL PRODUCTS THAT ARE NOT "LEAD FREE" IN ACCORDANCE WITH US FEDERAL OR OTHER APPLICABLE LAW IN POTABLE WATER SYSTEMS ANTICIPATED FOR HUMAN CONSUMPTION. PRODUCTS WITH "NP IN THE DESCRIPTION ARE NOT LEAD FREE AND CAN ONLY BE INSTALLED IN NON-POTABLE APPLICATIONS. BUYER IS SOLELY RESPONSIBLE FOR PRODUCT SELECTION.



11860 MOSTELLER ROAD

A FERGUSON COMPANY CINCINNATI, OH 45241-1569



#### **EMAIL DUPLICATE INVOICE**

Deliver From:

CASSANDRA 844-4171

Luke Bastin

Comments:

Please Contact With Questions:

**WOLSELEY INDUSTRIAL GROUP#2503** 

513-771-6000

invoice Number	Customer	Page
WY057804-1	751	1

Please refer to invoice Number when making payment and remit to:

TOTAL DUE --->

700.58

FERGUSON ENTERPRISES INC #1480 WOLSELEY INDUSTRIAL GROUP PO BOX 644054 PITTSBURGH, PA 15264-4054

Sold To:

MILLERCOORS LLC CORP OPERATIONS AP PO BOX 3103

MILWAUKEE, WI 53201

Ship To:

MILLER BREWING UTILITIES 2525 WAYNE MADISON DELIVER TO DOOR 89 AFTER CHECKING INTO RECEIVING

Ship Whse	Sell Whse	Tax Code		omer Vumber	Sales Person	Job Na	me	Invoid Date		Batch
1480	2503	OHE	63019	5075	KJM	Utilities		01/23/2014		151489
Ordered	Shipped	Item	Number		Descripti	оп	Unit Price	UM	An	nount
1	1	P6003F0	CBGXXXM	3 CS 600	# FLG OS&Y (	GATE VLV	700.581	EA		700.58

 Invoice Sub-Total
 700.58

 Tax
 0.00

 Total Amt
 700.58

TOTAL DUE --->

700.58

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12444 COLLECTIONS CENTER DRIVE CHICAGO IL 60693-2444

Bill-To: MILLER BREWING COMPANY PO BOX 3103 MILWAUKEE WI 53201-3103

USA

INVOICE

Reprint

Invoice Questions Please Call
513-621-0600

Invoice No: 972371568 Invoice Date: 04/30/2014 Account Number: 143099

Account Name: MILLER BREWING COMPANY

Ship-To: TRENTON BREWERY MILLER BREWING CO. 2525 WAYNE MADISON ROAD TRENTON OH 45067-9760 USA

Page 1 of 2

Del.Doc.#:	PRO #	Routing	Date Shipped	Shipped From	F.O.B.	Rt. To
346870017			04/30/2014	FACTORY	40.00	T
Quantity (	Catalog # / Descri	ption		Unit Price / U	Jnit	Amount
	NE-080-126-12-XX7 THER	MAL EDGE		2,147.26 /	1	2,147.26

Terms of Payment Net 60 Days As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.	Sub Total: Freight: Handling: Tax: Total Due:	2,147.26 0.00 0.00 0.00 0.00 2,147.26



**CINCINNATI, OH 45241-1569** 



#### **EMAIL DUPLICATE INVOICE**

**WOLSELEY INDUSTRIAL GROUP#2503** 11860 MOSTELLER ROAD A FERGUSON COMPANY

Deliver CASSANDRA 844-4171

From: Luke Bastin

Comments:

Please Contact With Questions:

513-771-6000

Invoice Number	Customer	Page
WY057804	751	1

Please refer to invoice Number when making payment and remit to:

TOTAL DUE --->

390.97

**FERGUSON ENTERPRISES INC #1480** WOLSELEY INDUSTRIAL GROUP PO BOX 644054 PITTSBURGH, PA 15264-4054

Sold To:

MILLERCOORS LLC CORP OPERATIONS AP PO BOX 3103

MILWAUKEE, WI 53201

**PWXTM** 

Ship To:

MILLER BREWING UTILITIES 2525 WAYNE MADISON **DELIVER TO DOOR 89 AFTER** CHECKING INTO RECEIVING

,,,		0020.				01.12.01.11.10.11			favolee						
Ship Whse	Sell Whse	Tax Code		omer Number	Sales Person	Job Na	nme	Involce Date		Batch					
1480	2503	OHE	63019	630195075		Utilities	3	01/22/2014		151415					
Ordered	Shipped	Item	Number	Description			Unit Price	UM	Ал	nount					
1	. 0	P6003F0	C8GXXXM	3 CS 600	# FLG OS&Y (	GATE VLV		EA		0.00					
2	2	P300RF	WNFXHBL	2-1/2 CS 30	0# XH RF WN	FLG	20,652	EA		41.30					
4	4	P300RF	WNFXHBM	3 CS 300#2	XH RF WN FL	3	20.864	EA		83.46					
2	2	P600RF	WNFXHBM	3 CS 600# 2	XH RF WN FL	3	29.176	EA		58.35					
1	1	P600RF	WNFXHBU	6 CS 600#	XH RF WN FL	3	102.848	EA		102.85					
4	4	PWX9M		3 CS XH W	LD LR 90 ELL		15.062	EA		60.25					
2	2	PWXCR	ML	3X2-1/2 CS	XH WLD CON	IC RED	10.871	EA	İ	21.74					

Invoice Sub-Total

Tax

3 CS XH WLD TEE

Total Amt

390.97 0.00 390.97

TOTAL DUE -->

23.019

EΑ

390,97

23.02

ALL ACCOUNTS ARE DUE AND PAYABLE PER THE CONDITIONS AND TERMS OF THE ORIGINAL INVOICE. ALL PAST DUE AMOUNTS ARE SUBJECT TO A SERVICE CHARGE AT THE MAXIMUM RATE ALLOWED BY STATE LAW PLUS COSTS OF COLLECTION INCLUDING ATTORNEY FEES IF INCURRED. FREIGHT TERMS ARE FOR OUR DOCK UNLESS OTHERWISE SPECIFIED ABOVE. COMPLETE TERMS AND CONDITIONS ARE AVAILABLE UPON REQUEST OR CAN BE VIEWED ON THE WEB AT http://wolseleyna.com/terms\_conditionsSale.html

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# TPF INC.

tpfinc@cinci.rr.com

Invoice

**Customer No. MILLER TREN** 

Invoice No.: 24358

1-513-761-9968 1-513-761-2880 FAX

Bill To: MILLERCOORS LLC

**CORP OPERATIONS AP** 

PO BOX 3103

313 SOUTH WAYNE AVE

**CINCINNATI, OHIO 45215** 

MILWAUKEE, WI 53201-3103

Ship To: MILLERCOORS LLC

TRENTON BREWERY 2525 WAYNE MADISON RD TRENTON, OH 45067-9760

DateSh	ip Via	F.O.B.	Terms			
04/10/14 UPS/OUF	DELIVERY	Origin	NET 30			
Purchase Order Number Order Date		Sales Person	Our Orde	r Number		
630201013	03/04/14	CHUCK STIENS	260	26673		
Quantity Required Shipped B.O.	Item Number	Description	Unit Price	Amount		
1 1		0/2000PSI NO-SHOK TRANSMITTER .05 ACCURACY,1/2"NPT CON 4-20mA OUTPUT M12x1 ELECT CONN 640-2000-1-1-8-25	1637.36 IN	1637.36		

**DELIVERY 9-10 WEEKS** 

Invoice subtotal 1637.36 Freight charges 19.50

Invoice total

1656.86

6007325250 109310 0100 AL82 4/18/14



1725 YANKEE RD MIDDLETOWN, OH 45042

Please contact with Questions: 513-771-6000

HVOICE NUMBER 4128999

CUSTOMER 751

PAGE 1 of 1

# PLEASE REFER TO INVOICE NUMBER WHEN MAKING PAYMENT AND REMIT TO:

FERGUSON ENTERPRISES INC #1480 PO BOX 644054 PITTSBURGH, PA 15284-4054

MILLER BREWING - BREWING 2525 WAYNE MADISON RD TRENTON, OH 45067

	STATE OF THE RESIDENCE	SHIP TO:		-
2883 1 AB 0.406 E0088X 10125 D876845036 P1798609 0001:0001			V 2007	-

| illitiful polition political polit

SHIP SEL WHSE. WHS 1480 473		8E.	CODE HE		ER ORDER NUMBER 630194567	SALESMAN KJM		NAME E GATE		1/28/14	IO 151778
ORDE	RED	SHIPPED	ITEM	NUMBER		DESCRIPTION		UNIT PRICE	UM	AMC	UNT
	1	1	PT-2.5_80	20-ROTORK	9-10 WEEKS, ARO 2.5" SCHUBERT AND 8037/065UHF000MS BODY, SFC/CS TRIM, PACKING, AUTOMATI CVA LINEAR 500WT /	, ANSI 300, CS , CV=60, TFE ED BY A ROTORK		7963.415	EA		7963.41
						INVO	HCE SUB-TOTAL				7963.41
							FREIGHT	#5			45.00
S FEDE	RAL (	OR OTHER APPL TH "NP IN THE D	CABLE LAN	W IN POTABLE ON ARE NOT I	UCTS THAT ARE NOT T EWATER SYSTEMS AN EAD FREE AND CAN O FONSIBLE FOR PRODU	TICIPATED FOR HUMA NLY BE INSTALLED IN	N CONSUMPTION.	200 200			
									i i	1	
									6000	00 691 00 141	Amo
								i	10	691	1650 Amo 14

All accounts are due and payable per the involced terms. All past due amounts are subject to a service charge at the maximum rate allowed by state law plus toots of collection including attorney fees if incurred. Freight terms are FOB our dock unless otherwise specified above.

WARRANTY PROVISIONS: SEE REVERSE SIDE



#### **EMAIL DUPLICATE INVOICE**

**WOLSELEY INDUSTRIAL GROUP #473** 1725 YANKEE RD MIDDLETOWN, OH 45042

CASSANDRA 844-4171 Deliver

Luke Bastin

Comments:

From:

Please Contact With Questions:

513-422-8094

Invoice Number	Customer	Page
4130484	751	1

Please refer to invoice Number when making payment and remit to:

TOTAL DUE --->

9471.18

FERGUSON ENTERPRISES INC #1480 PO BOX 644054 PITTSBURGH, PA 15264-4054

Sold To:

MILLERCOORS LLC **CORP OPERATIONS AP** PO BOX 3103

MILWAUKEE, WI 53201

Ship To:

MILLER BREWING - BREWING 2525 WAYNE MADISON RD TRENTON, OH 45067

Ship Whse	Sell Whse	Tax Code		omer Vumber	Sales Person	Job Na	me	Invoid Date		Batch	
1480	473	OHE	63019	4567 KJM SLIDE GATE 01/		01/29/20	)14	151848			
Ordered	Shipped	Item	Number	Description			Unit Price	UM	An	nount	
				Source Orde	er#: 4128999						
2	2	SP-9303	A-SIBDPSJGI	DPSJGIV 3 FOXBORO 9303A-SIBD-PSJ-GN			2759.960	EA		5519.92	
2	2	SP-IMT2	5-PEATB10M	FOXBORO	IMT25-PEATE	110M-B MAG METER	1975.630	EA		3951.26	

Invoice Sub-Total 9471.18 Tax 0.00 Total Amt 9471.18

> TOTAL DUE ---> 9471.18

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Remit to:

P.O. Box 701620

Cincinnati, OH 45270-1620

BILLED BY: DONNA W. #513-527-8010

INVOICE 00741014 DATE

CUSTOMER:

17588

**JOB ADDRESS:** 

1/31/14

MILLERCOORS LLC - TAS ACCOUNTS PAYABLE PO BOX 3103 MILWAUKEE, WI 53201-3103 MILLERCOORS / UTILITIES 1ST HALF 2014

2525 WAYNE MADISON ROAD

TRENTON, OH 45067

Customer PO No.: 630198344

Job Number...: 621860

Bill Contract: 621860-01

REFERENCE DESCRIPTION

TUUOMA

MILLERCOORS / FDWTR BYPASS PIPING PWRHSE

LINE 0001

\$4959.00

BILLING AMOUNT

4,959.00

W-TW27 6007170248 (2015) 106827

Approved:

Now Accepting Visa/MC/AMX for Payment of Invoices. A Service Charge of 1.5% per Month will be charged on All Past Due Accts. SUB-TOTAL

4,959.00

TAX

AMOUNT PAID

.00 .00

AMOUNT DUE

4,959.00

ORIGINAL

DUE ON RECEIPT



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

October 3, 2014

Mr. Mark Koch MillerCoors, LLC 2525 Wayne Madison Rd. Trenton, OH 45067

Subject: Your 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 \$24,000 has been proposed for your pump upgrade project completed in the 2014 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,

Megan Fox Megan Fox

**Product Manager** 

Mercantile Self Direct Rebates

CC:

Mr. Bob Bandenburg Mr. John Beccaccio

# 14-1896 -EL-EEC

# Ohio Public Utilities Commission

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

		Omy,
Case	No.:EL-EEC	
State	of Ohio:	
Dew that:	محد A . Qيرسم , Affiant, being duly sworn acco	ording to law, deposes and says
1.	I am the duly authorized representative of:	
	[insert customer or EDU company name and any applicable	e name(s) doing business as]
2.	I have personally examined all the information application, including any exhibits and attachmen and inquiry of those persons immediately reinformation contained in the application, I believe accurate and complete.	ts. Based upon my examination responsible for obtaining the
3.	I am aware of fines and penalties which may be im Code Sections 2921.11, 2921.31, 4903.02, 4903.03 false information.	•
Signat	rure of Affiant & Title	Plan & Manager
	and subscribed before me this 20th day of 00	WANDA D. GIBSON Notary Public, State of Ohio My Commission Expires 08-03-2015
Signat	ure of official administering oath	Print Name and Title

My commission expires on 8/03/2015

	Please indicate your response to this rebate offer within 30 days of receipt.			
	Rebate is accepted.	Rebate is declined		
	By accepting this rebate, MillerCoors, 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.			
	to secure approval of this arrang		cant in any future filings necessary d to comply with any information proval.	
	Finally, MillerCoors, 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 indic	cate reason (optional):		
ع ا	Customer Signature	Printed Name	10/17/14 Date	
	·			

## **Proposed Rebate Amounts**

Measure ID	Energy Conservation Measure (ECM)	Proposed Rebate Amount
ECM-1	MillerCoors-Boiler FW Pump Upgrade	\$24,000
Total		\$24,000