5810

Ohio | Public Utilities Commission

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

Case No.: 15-0814-EL-EEC

Mercantile Customer:	Giant Eagle, Inc.
Electric Utility:	The Cleveland Electric Illuminating Company
Program Title or Description:	Store 5810 Retro Commissioning

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 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 for a period of up to 12 months will also qualify for the 60-day automatic approval. However, all applications requesting an exemption from the EEDR rider for longer than 12 months must provide additional information, as described within the Historical Mercantile Annual Report Template, that demonstrates additional energy savings and the continuance of the Customer's energy efficiency program. This information must be provided to the Commission at least 61 days prior to the termination of the initial 12 month exemption period to prevent interruptions in the exemption period.

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 altered or 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:Giant Eagle, Inc.

Principal address:101 Kappa Dr. Pittsburgh,PA 15238

Address of facility for which this energy efficiency program applies:21593 Lorain Ave. Fairview Park, Ohio 44126

Name and telephone number for responses to questions:Antoinette Lichty 412-967-3649

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: The Cleveland Electric Illuminating Company

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)). **If Checked, Please see Exhibit 1 and Exhibit 2**

☐ Installation of new equipment to replace failed equipment which has no useful life remaining. The customer installed new equipment on the following date(s): _____.

☐ Installation of new equipment for new construction or facility expansion. The customer installed new equipment on the following date(s):

_____.

☒ Behavioral or operational improvement.

B) Energy savings achieved/to be achieved by 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 failed equipment which had no useful life remaining, then calculate the annual savings [(kWh used by new standard equipment) - (kWh used by the optional 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. **Please see Exhibit 1 if applicable**

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 standard new equipment) - (kWh used by optional 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. **Please see Exhibit 1 if applicable**

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: 236,931 kWh

Section 4: Demand Reduction/Demand Response Programs

A) The customer's program involves (check the one that applies):

☒ This project does not include peak demand reduction savings.

☐ 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?

____

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

____ kW

Section 5: Request for Cash Rebate Reasonable Arrangement, Exemption from Rider, or Commitment Payment

Under this section, check all boxes that apply and fill in all corresponding blanks.

A) The customer is applying for:

☐ A cash rebate reasonable arrangement.

☒ An exemption from the energy efficiency cost recovery mechanism implemented by the electric utility.

☐ Commitment payment

B) The value of the option that the customer is seeking is:

A cash rebate reasonable arrangement.

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

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.)

☒ 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 12 month period, the customer will need to complete, and file within this application, the Historical Mercantile Annual Report

Template to verify the projects energy savings are persistent.

☐ A commitment payment valued at no more than $____. (Attach documentation and calculations showing how this payment amount was determined.)

Section 6: Cost Effectiveness

The program is cost effective because it has a benefit/cost ratio greater than 1 using the (choose which applies):

☐ Total Resource Cost (TRC) Test. The calculated TRC value is: _____(Continue to Subsection 1, then skip Subsection 2)

☒ Utility Cost Test (UCT) . The calculated UCT value is: **See Exhibit 3** (Skip to Subsection 2.)

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

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

The electric utility's avoided supply costs were _____.

Our program costs were _____.

The incremental measure costs were _____.

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

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

Our avoided supply costs were **See Exhibit 3**

The utility's program costs were **See Exhibit 3**

The utility's incentive costs/rebate costs were **See Exhibit 3**

Section 7: Additional Information

Please attach the following supporting documentation to this application:

- Narrative description of the program including, but not limited to, make, model, and year of any installed and replaced equipment.
- A copy of the formal declaration or agreement that commits the program or measure to the electric utility, including:
  1) any confidentiality requirements associated with the agreement;
  2) a description of any consequences of noncompliance with the terms of the commitment;
  3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;
  4) permission by the customer to the electric utility and Commission staff and consultants to measure and verify energy savings and/or peak-demand reductions resulting from your program; and,
  5) a commitment by the customer to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.
- A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results. Additionally, identify and explain all deviations from any program measurement and verification guidelines that may be published by the Commission.

Ohio | Public Utilities Commission

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

Case No.: 15-0814-EL-EEC

State of Ohio :

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

1. I am the duly authorized representative of:

   Giant Eagle, Inc.
   [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.

Antonietta Lichty, Energy Analyst
Signature of Affiant & Title

Sworn and subscribed before me this 1st day of July, 2015 Month/Year

Signature of official administering oath

Allison Loeper
Sr. Admin. Sec.
Print Name and Title

My commission expires on 06/28/2016

Exhibit 1

Customer Legal Entity Name: Giant Eagle

Site Address: Giant Eagle 5810
Principal Address: 21593 Lorain Ave Fairview Prk OH

Project No.	Project Name	Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment:	Description of methodologies, protocols and practices used in measuring and verifying project results	What date would you have replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date.	Please describe the less efficient new equipment that you rejected in favor of the more efficient new equipment.
1	Re-commissioning 5810	Provide the following commissioning services: 1. Verify the operation of mechanical equipment. This will include equipment such as the advanced lighting system, HVAC, refrigeration and the energy management system. 2. Insure super heats are properly adjusted on all adjustable expansion valves and spot check non-adjustable vales that are on the float circuits. 3. Provide Giant Eagle with an enhanced survey report. This report will be e-mailed to the Project Manager with a list of items that need to be corrected such as Spec or Detail	The re-commissioning savings uses measured energy usage pre and post commmissioning. The data is taken from the Parasense controls system. Sub metered data and calulation avaiable in the Retro Commissioning report attached. Savings from lighting control and scheduleing, refrigeration set points and HVAC scheduling and set points are all included.	N/A	N/A

Exhibit 2

Customer Legal Entity Name: Giant Eagle

Site: Giant Eagle 5810

Principal Address: 21593 Lorain Ave Fairview Prk OH

	Unadjusted Usage, kwh (A)	Weather Adjusted Usage, kwh (B)	Weather Adjusted Usage with Energy Efficiency Addbacks, kwh (C)	Note 1
2014	2,868,381	2,868,381	2,868,381	
2013	3,005,833	3,005,833	3,005,833	
2012	3,085,552	3,085,552	3,085,552	
Average	**2,986,589**	**2,986,589**	**2,986,589**	

Project Number	Project Name	In-Service Date	Project Cost $	KWh Saved/Year Counting towards Utility compliance	KWh Saved/Year (D) eligible for incentive	Utility Peak Demand Reduction Contribution, KW
1	Re-commissioning 5810	12/04/2014	$9,100	236,931	236,931	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
				-	-	-
			Total	**236,931**	**236,931**	**0**

Docket No. 15-0814

Site: Giant Eagle 5810

Savings as percent of usage **7.9%** Note 2

= Total (D) divided by Average (C)

Customer Eligible Exemption Period: **90 Month(s)** Note 3

Notes

(1) Customer's usage is adjusted to account for the effects of the energy efficiency programs included in this application. When applicable, such adjustments are prorated to the in-service date to account for partial year savings.

(2) Savings as a percent of usage is equal to the of total project savings (D) divided by the 3 year average Weather Adjusted Usage with Energy Efficiency Addbacks (C).

(3) Customer exemption determined by savings percentage in relation to energy efficiency schedule as set forth in O.R.C. 4928.66(A)(1)(a).

(4) The exemption period reflects the maximum potential exemption period. NOTE: The FirstEnergy Utilities cannot guarantee the length of the exemption period that will ultimately be approved by the Commission.

Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh (A)	Utility Avoided Cost $/MWh (B)	Utility Avoided Cost $ (C)	Utility Cost $ (D)	Commitment Payment $ (E)	Administrator Variable Fee $ (F)	Total Utility Cost $ (G)	UCT (H)
1	237	$ 308	$ 73,041	$ 4,050	$ -	$2,369	$ 6,419	**11.4**
					$ -			
					$ -			
					$ -			
					$ -			
					$ -			
					$ -			
Total	**237**	**$ 308**	**73,041**	**4,050**	**-**	**$2,369**	**6,419**	**11.4**

Notes

(A) From Exhibit 2, = kWh saved / 1000

(B) This value represents avoided energy costs (wholesale energy prices) from the Department of Energy, Energy Information Administration's 2009 Annual Energy Outlook (AEO) low oil prices case. The AEO represents a national average energy price, so for a better representation of the energy price that Ohio customers would see, a Cinergy Hub equivalent price was derived by applying a ratio based on three years of historic national average and Cinergy Hub prices.This value is consistent with avoided cost assumptions used in EE&PDR Program Portfolio and Initial Benchmark Report, filed Dec 15, 2009 (See Section 8.1, paragraph a).

(C) = (A) * (B)

(D) Represents the utility's costs incurred for self-directed mercantile applications for applications filed and applications in progress. Includes incremental costs of legal fees, fixed administrative expenses, etc.

(E) This is the amount of the Commitment Payment paid to the customer for this behavioral project.

(F) Based on approximate Administrator's variable compensation for purposes of calculating the UCT, actual compensation may be less.

(G) = (D) + (E) + (F)

(H) =(C) / (G)

Giant Eagle ~ Giant Eagle 5810
Docket No. 15-0814
Site: 21593 Lorain Ave Fairview Prk OH

Rite Way Solutions
Mechanical & Controls
412-835-3344
LEADING YOU IN THE "RITE" DIRECTION

December 15, 2014

Giant Eagle, Inc.
Attn: Jack Dunlay

RE: Retro-Commissioning Results for Giant Eagle #5810

Dear Jack:

The retro-commissioning of Giant Eagle #5810 was completed on December 5, 2014. Below is a tabulated summary of the results.

Giant Eagle #5810 - Summary of Commissioning Results

Circuit	Load Description	% Savings	Annual kWh Savings	Annual $ Savings
Main Feed	Main Store Power	9.2%	236,931	$ 21,324
Rack A	Low Temp -23°F Compressors	8.9%	11,999	$ 1,080
Rack B	Low Temp -23°F Compressors	22.7%	32,166	$ 2,895
Rack D	Med Temp +16/+30°F Compressors	30.0%	80,893	$ 7,280
Rack E	Med Temp +18°F Compressors	19.6%	43,709	$ 3,934
T-4 Transformer	Refrigerated Case Lights/Fans/ASH & Panel A	-1.3%	-5,703	$ (513)
Panel HA	Sales lights	-1.3%	-4,928	$ (444)
Panel HB	Sales/PL/Prod Dept. Lights & Snow Melt	-0.3%	-411	$ (37)
RTU-1	HVAC Fans & Compressors	14.1%	12,182	$ 1,096
RTU-2	HVAC Fans & Compressors	-44.3%	-27,147	$ (2,443)
T-3 Transformer	Meat & Service Depts. & Track Lights	-3.0%	-4,836	$ (435)
Panel BA	Bakery Department Power	4.4%	2,008	$ 181

The results show a combined annual savings of 9.2% with a reduction in energy use of 236,931 kWh valued at $21,324.

Addition opportunities for energy savings may be obtained through the following energy measures:

Opportunities for Additional Energy Savings

Description	Annual kWh Savings	Annual $ Savings
Utilize Existing Night Blinds for 6-Hrs/Night on 120’ Dairy Case	21,024	$ 1892
VFD on RTU-1 Fan	48,180	$ 4336
VFD on RTU-2 Fan	45,552	$ 4100
Rebuild Case Contactor to Cycle Lights 6-Hrs/Night	33,113	$ 2980
Re-wire Main Sales Lights Through Contactors to Cycle 75% of Lights 6-Hrs/Night	70,521	$ 6347
Anti-sweat Heater Controller	73,058	$ 6575

The remainder of the report shows the before and after comparison of key measured loads, specific details on how these results were obtained, and opportunities for further energy savings.

If you have any questions, require additional information or wish to discuss this report, please call or email me.

Sincerely,

Wallace A. Noll
Vice President
Rite Way Solutions, LLC

Rite Way Solutions

Mechanical & Controls

412-835-3344

LEADING YOU IN THE "RITE" DIRECTION

RETRO - COMMISSIONING REPORT

GIANT EAGLE: #5810 FAIRVIEW PARK, OH

Date: 12-1-14

Prepared By: Wallace A Noll

RACK A

COOLING TYPE	DX
TEMP	LOW
REFIGERANT	R-404a
VOLTS	460

CONTROLLER MANUFACTOR	DANFOSS
SOFTWARE VERSION	R02.211
CONTROLS	RACKS A/B

SUBCOOLS A			
SUB-COOLER		ARRIVAL	AFTER CX
OPERATIONAL		NO	NO
CONTROL SENSOR		N/A	INLET
ENABLE	CUT IN	-	55
	CUT OUT	-	45

COMP	MODEL #	FLUKE READING		HP	CYCLES	HR	:	MN	SUCTION FILTER PD
		AMPS	SIGN WAVE						
1	ZF18KVE-TFD-262	5.4	OK	6.0	0	24	:	00	1 PSI
2	ZF18KVE-TFD-961	5.5	OK	6.0	0	24	:	00	
3	ZF18KVE-TFD-262	5.6	OK	6.0	2	23	:	56	
4	ZF18KVE-TFD-262	5.4	OK	6.0	29	22	:	15	
5	ZF18KVE-TFD-262	5.5	OK	6.0	73	9	:	02	

ITEM		ARRIVAL	AFTER CX
LIQUID FILTER PRESSURE DROP		0.2	0.2
SUCTION TRANSDUCER OFFSET		0.0	0.0
DISCHARGE TRANSDUCER OFFSET		5.0	5.0
DROP LEG TRANSDUCER OFFSET		-	-
SUCTION PRESSURE TARGET		16.0	16.0
RECIEVER	LEVEL	OK/25%	OK
	SPLIT	NO SPLIT PRO	NO SPLIT PRO
	OFFSET	-	-
ADAPTIVE SUCTION CONTROL		NONE	SENSOR
DEFROST DIFFERENTAL VALVE		25 PSI	25 PSI
COMPRESSOR STRATOGEY		AUTO	AUTO

CONDENSER CONTROL	ARRIVAL	AFTER CX
CONTROL SENSOR	PRESSURE	PRESSURE
TARGET	180 PSI	180 PSI

	ARRIVAL			AFTER CX		
	CIRCUIT	FLOAT MIN PRESSURE	FLOAT MAX PRESSURE	CIRCUIT	TEMP TARGET	MAX FLOAT PRESSURE
FLOAT	-	-	-	A2 FF ISL A2a	-5.0	5.0 PSI
				A2 FF ISL A2c		
				A2 FF ISL A2d		
				A3 FF ISL A3a		
				A3 FF ISL A3b		

RACK B

COOLING TYPE	DX
TEMP	LOW
REFIGERANT	R-404a
VOLTS	460

CONTROLLER MANUFACTOR	DANFOSS
SOFTWARE VERSION	R02.211
CONTROLS	RACKS A/B

SUBCOOLS RACK B			
SUB-COOLER		ARRIVAL	AFTER CX
OPERATIONAL		NO	YES
CONTROL SENSOR		N/A	INLET
ENABLE	CUT IN	-	55
	CUT OUT	-	45

COMP	MODEL #	FLUKE READING		HP	CYCLES	HR	:	MN	SUCTION FILTER PD
		AMPS	SIGN WAVE						
1	ZF18KVE-TFD-262	5.2	OK	6.0	0	24	:	00	1 PSI
2	ZF18KVE-TFD-262	5.2	OK	6.0	0	24	:	00	
3	ZF18KVE-TFD-262	5.3	OK	6.0	2	23	:	57	
4	ZF18KVE-TFD-262	5.3	OK	6.0	90	18	:	47	
5	ZF18KVE-TFD-262	5.2	OK	6.0	57	3	:	42	

ITEM		ARRIVAL	AFTER CX
LIQUID FILTER PRESSURE DROP		0.0	0.0
SUCTION TRANSDUCER OFFSET		4.0	0.0
DISCHARGE TRANSDUCER OFFSET		10.0	1.0
DROP LEG TRANSDUCER OFFSET		-	-
SUCTION PRESSURE TARGET		16.0	16.0
RECIEVER	LEVEL	OK/30%	OK
	SPLIT	NO SPLIT PRO	NO SPLIT PRO
	OFFSET	-	-
ADAPTIVE SUCTION CONTROL		DYNAMIC	SENSOR
DEFROST DIFFERENTAL VALVE		25 PSI	25 PSI
COMPRESSOR STRATOGEY		AUTO	AUTO

CONDENSER CONTROL	ARRIVAL	AFTER CX
CONTROL SENSOR	PRESSURE	PRESSURE
TARGET	180 PSI	180 PSI

	ARRIVAL			AFTER CX		
	CIRCUIT	MAXIMUM PRESSURE FLOAT	POST DEFROST DELAY	CIRCUIT	TEMP TARGET	MAX FLOAT PRESSURE
FLOAT	B2 RIIC B 6	4.0 PSI	20 MIN	B1 3 DRS F/F	-8.0	5.0 PSI
				B2 14DR IC CM A		
				B2 14DR IC CM B		
				B2 14DR IC CM C		

RACK C

COOLING TYPE	DX
TEMP	LOW
REFIGERANT	R-404a
VOLTS	460

CONTROLLER MANUFACTOR	DANFOSS
SOFTWARE VERSION	R02.211
CONTROLS	RACKS C/D/HVAC/LIGHTS

SUBCOOLS RACK C			
SUB-COOLER		ARRIVAL	AFTER CX
OPERATIONAL		NO	YES
CONTROL SENSOR		N/A	INLET
ENABLE	CUT IN	-	55
	CUT OUT	-	45

COMP	MODEL #	FLUKE READING		HP	CYCLES	HR	:	MN	SUCTION FILTER PD
		AMPS	SIGN WAVE						
1	ZF13KVE-TFD-262	4.3	OK	4.0	101	11	:	54	1 PSI
2	ZF18KVE-TFD-262	5.4	OK	6.0	0	24	:	00	
3	ZF18KVE-TFD-262	5.5	OK	6.0	2	23	:	46	
4	ZF18KVE-TFD-262	5.8	OK	6.0	11	21	:	38	
5	ZF18KVE-TFD-262	5.5	OK	6.0	16	5	:	59	

ITEM		ARRIVAL	AFTER CX
LIQUID FILTER PRESSURE DROP		0.2	0.2
SUCTION TRANSDUCER OFFSET		0.0	-1.0
DISCHARGE TRANSDUCER OFFSET		5.0	0.0
DROP LEG TRANSDUCER OFFSET		-	-
SUCTION PRESSURE TARGET		16.0	16.0
RECIEVER	LEVEL	OK/45%	OK
	SPLIT	NO SPLIT PRO	NO SPLIT PRO
	OFFSET	-	-
ADAPTIVE SUCTION CONTROL		DYNAMIC	SENSOR
DEFROST DIFFERENTAL VALVE		10 PSI	25 PSI
COMPRESSOR STRATOGEY		AUTO	AUTO

CONDENSER CONTROL	ARRIVAL	AFTER CX
CONTROL SENSOR	PRESSURE	PRESSURE
TARGET	180 PSI	180 PSI

	ARRIVAL			AFTER CX		
	CIRCUIT	MAXIMUM PRESSURE FLOAT	POST DEFROST DELAY	CIRCUIT	TEMP TARGET	MAX FLOAT PRESSURE
FLOAT	ALL CIRCUITS	4.0 PSI	20 MIN	C1a 12 DRS RIIC	-8.0	5.0 PSI
				C1b 12 DRS RIIC		
				C1c 12 DRS RIIC		
				C2a 10 DRS RIIC		
				C2b 10 DRS RIIC		

RACK D

COOLING TYPE	DX
TEMP	MEDIUM
REFIGERANT	R-22
VOLTS	460

CONTROLLER MANUFACTOR	DANFOSS
SOFTWARE VERSION	R02.211
CONTROLS	RACKS C/D/HVAC/LIGHTS

COMP	MODEL #	FLUKE READING		HP	CYCLES	HR	:	MN	SUCTION FILTER PD
		AMPS	SIGN WAVE						
1	06EY475-340	BREAKER OFF		25	256	4	:	59	0 PSI
2	06DR2280DA3650	10.3	OK	7.5	571	11	:	38	
3	06DM3370DA3650	BREAKER OFF		10	546	11	:	37	
4	06EY475340	33.1	OK	WAS NOT PROGRAMMED OR CONTROLLED THROUGH DANFOSS					
5	06DR2280DA3650	10.3	OK	7.5	281	5	:	33	
6	06DM3370DA3650	13.3	OK	10	261	5	:	21	

ITEM		ARRIVAL	AFTER CX
LIQUID FILTER PRESSURE DROP		2 PSI	2 PSI
SUCTION TRANSDUCER OFFSET		4.0	4.0
DISCHARGE TRANSDUCER OFFSET		0.0	1.0
DROP LEG TRANSDUCER OFFSET		-	-
SUCTION PRESSURE TARGET		38.0	38.0
RECIEVER	LEVEL	OK	OK
	SPLIT	YES	YES
	OFFSET	-	-
ADAPTIVE SUCTION CONTROL		NONE	SENSOR
DEFROST DIFFERENTAL VALVE		-	-
COMPRESSOR STRATOGEY		AUTO	MANUAL

CONDENSER CONTROL	ARRIVAL	AFTER CX
CONTROL SENSOR	PRESSURE	PRESSURE
TARGET	180 PSI	180 PSI

	ARRIVAL			AFTER CX		
	CIRCUIT	MAXIMUM PRESSURE FLOAT	POST DEFROST DELAY	CIRCUIT	TEMP TARGET	MAX FLOAT PRESSURE
FLOAT	4DECKMEAT DA3	4.0 PSI	20 MIN	4DECKMEAT DA2a	28.0	5.0
				4DECKMEAT DA2b		
				4DECKMEAT DA3a		
				4DECKMEAT DA2b		
				4DECKMEAT DA2c		

RACK E

COOLING TYPE	DX
TEMP	MEDIUM
REFIGERANT	R-22
VOLTS	460

CONTROLLER MANUFACTOR	DANFOSS
SOFTWARE VERSION	R02.211
CONTROLS	RACK E

COMP	MODEL #	FLUKE READING		HP	CYCLES	HR	:	MN	SUCTION FILTER PD
		AMPS	SIGN WAVE						
1	06EZ775370								2.0 PSI
2	06DM3370DA3650	14.8	OK	20	0	24	:	00	
3	06DM3370DA3650	14.7	OK	10	188	21	:	05	
4	06EM450300	20.6	OK	10	312	4	:	03	

ITEM		ARRIVAL	AFTER CX
LIQUID FILTER PRESSURE DROP		0.0	0.0
SUCTION TRANSDUCER OFFSET		+1.5	+1.5
DISCHARGE TRANSDUCER OFFSET		0.0	14.0
DROP LEG TRANSDUCER OFFSET		-	-
SUCTION PRESSURE TARGET		40	40
RECIEVER	LEVEL	LOW	LOW
	SPLIT	YES	YES
	OFFSET	-	-
ADAPTIVE SUCTION CONTROL		DYNAMIC	SENSOR
DEFROST DIFFERENTAL VALVE			
COMPRESSOR STRATOGEY		AUTO	AUTO

CONDENSER CONTROL	ARRIVAL	AFTER CX
CONTROL SENSOR	PRESSURE	PRESSURE
TARGET	180 PSI	180 PSI

FLOAT	ARRIVAL			AFTER CX		
	CIRCUIT	MAXIMUM PRESSURE FLOAT	POST DEFROST DELAY	CIRCUIT	TEMP TARGET	MAX FLOAT PRESSURE
	E4 SPARE	4.0 PSI	20 MIN	M/D DELI E 10	30.0	5.0 PSI
	E5 SPARE					
	E9 SPARE			36' CHEESE E 18		
	E10 M/D DELI					

Circuit Set Point Verification - A

RACK A									
CIRCUIT NAME	TARGET TEMP	DRIP TIME	TERM TEMP	FREQUENCY	DURATION	HIGH ALARM	LOW ALARM	ALARM DELAY	REPAIRED
A1 BKRY FRZR A 1	-5	300 SEC	NONE	4	18	15	-10	60	
A2 FF ISL A 2	-5	300 SEC	NONE	2	22	15	-20	60	
A3 FF ISL A 3	-5	300 SEC	NONE	2	25	15	-20	60	
A4 MT FZR A 4	-8	300 SEC	NONE	3	20	20	-15	60	
A5 3DRSFD A 5	-5	780 SEC	NONE	1	24	15	-15	60	
A7a DTISL A 6	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
SPARE A 7	-	-	-	-	-	-	-	-	-
A7b DTISL A 8	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
A7c DTISL A 9	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
A7d DTISL A 10	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
A7e DTISL A 11	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
A7f DTISL A 12	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
A7g DTISL A 13	-6/-6	600 SEC	50/50	1	60/60	10/40	-25/-25	60	
A7h DTISL A 14	-6/28	600 SEC	50/50	1	60/30	10/40	-25/20	60	
A8 GROCEY A 15	-12	300 SEC	NONE	3	22	20	DISABLED	60	

ITEMS THAT NEED ADDRESSED

(#)= SET POINT CHANGE BY RWS

Circuit Set Point Verification - B

RACK B									
CIRCUIT NAME	TARGET TEMP	DRIP TIME	TERM TEMP	FREQUENCY	DURATION	HIGH ALARM	LOW ALARM	ALARM DELAY	REPAIRED
B7 6' FF B 1	-5	300 SEC	49	3	25	15	-15	60	
B6 19DRFF B 2	-3	600 SEC	NONE	2	25	10	-20	60	
B5 19DRFF B 3	-3	600 SEC	NONE	1	25	10	-20	60	
B4 6' FF B 4	-5	900 SEC	60	3	25	15	-15	60	
B3 6' FF B 5	-5	900 SEC	60	3	25	15	-15	60	
B2 RIIC B 6	-8	600 SEC	NONE	1	25	5	-20	60	
B1 FF/IC B 7	-8	600 SEC	NONE	1	25	5	-20	60	

ITEMS THAT NEED TO BE ADDRESSED

(#)= SET POINT CHANGE BY RWS

Circuit Set Point Verification - C

RACK C									
CIRCUIT NAME	TARGET TEMP	DRIP TIME	TERM TEMP	FREQUENCY	DURATION	HIGH ALARM	LOW ALARM	ALARM DELAY	REPAIRED
C1 RIIC CC1	-8	480 SEC	NONE	2	27	10	-25	60	
C2 RIIC CC2	-12 (-8)	480 SEC	NONE	1	30	5	-25	60	
C3 FF ISL CC3	-5	300 SEC	65	4	20	15	-20	60	
C4 FZBKRY CC4	-5	300 SEC	NONE	1	15	10	-20	60	
C5 DELFZR CC5	-5	300 SEC	NONE	4	15	15	-15	60	
C7 OUT CC6	-12	300 SEC	NONE	4	20	DISABLED	DISABLED	NA	
C8aDT ISL CC7	-6/28	300 SEC	50/50	1	60/30	10/40	-20/20	60	
C8bDT ISL CC8	-6/28	300 SEC	50/50	1	60/30	10/DISABLED	-20/20	60	
C8cDT ISL CC9	-6/28	300 SEC	50/50	1	60/30	10/40	-20/20	60	
C8dDT ISL CC10	-6/28	300 SEC	50/50	1	60/30	10/40	-20/20	60	
C8eDT ISL CC11	-6/28	300 SEC	50/50	1	60/30	10/40	-20/20	60	
CfbDT ISL CC12	-6/28	300 SEC	50/50	1	60/30	10/40	-20/20	60	

ITEMS THAT NEED TO BE ADDRESSED

(#) = SET POINT CHANGE BY RWS

Circuit Set Point Verification - D

RACK D									
CIRCUIT NAME	TARGET TEMP	DRIP TIME	TERM TEMP	FREQUENCY	DURATION	HIGH ALARM	LOW ALARM	ALARM DELAY	REPAIRED
ROLLIN DY DA1	31	60 SEC	60	4	45	45	28	60	
4DECKMEAT DA2	28	60 SEC	47	4	45	40	20	45	
4DECKMEAT DA3	28	60 SEC	47	4	45	40	20	45	
SPARE CIR DA4	-	-	-	-	-	-	-	-	-
5DECKDELI DA5	30	60 SEC	47	4	45	40	20	45	
5 DECKDELI DA6	30	60 SEC	47	4	45	45	20	45	
CHZ/OLIVE DA7	28	60 SEC	48	4	45	40	20	60	
SERV/MEAT DA8	NONE	NONE	NONE	NONE	NONE	45	20	90	
SERV DELI DA9	30	60 SEC	48	4	30	40	25	60	
SRVFSHTOP DA10	24	60 SEC	NONE	10	60	40	20	90	
SRVFSHBOT DA11	30	60 SEC	50	4	30	40	25	60	
OLIVETEMP DA12	NONE	NONE	NONE	NONE	NONE	40	24	60	
BAKERY BX DA13	35	60 SEC	NONE	4	45	50	28	90/60	
MD DAIRY DA14	35	60 SEC	47	4	45	45	28	60	
MD DAIRY DA15	35	60 SEC	47	4	45	45	28	60	
MD DAIRY DA16	35	60 SEC	47	4	30	45	28	60	
MD DAIRY DA17	35	10 SEC	47	4	30	45	28	60	
DAIRY BOX DA18	35	60 SEC	NONE	4	45	50	30	90/60	
MEAT BOX DA19	35	60 SEC	NONE	4	15	45	28	60	
HOLD BOX DA20	35	60 SEC	NONE	4	20	45	28	60	

ITEMS THAT NEED TO BE ADDRESSED

(#)= SET POINT CHANGE BY RWS

Circuit Set Point Verification - E

RACK E									
CIRCUIT NAME	TARGET TEMP	DRIP TIME	TERM TEMP	FREQUENCY	DURATION	HIGH ALARM	LOW ALARM	ALARM DELAY	REPAIRED
MEAT PREP E 1	50	60 SEC	65	1	60	65	40	60	
FISH CLR E 2	32	60 SEC	65	4	45	40	25	90	
FISH PREP E 3	50	60 SEC	65	2	45	65	40	60	
SPARE CKT E 4	-	-	-	-	-	-	-	-	-
SPARE CKT E 5	-	-	-	-	-	-	-	-	-
PROD CLR E 6	36	60 SEC	65	4	45	45	25	90	
DELI CLR E 7	33	60 SEC	50	4	45	50	28	60	
PROD PREP E 8	60	60 SEC	65	2	60	65	45	90	
SPARE CKT E 9	-	-	-	-	-	-	-	-	-
M/D DELI E 10	29	60 SEC	48	4	30	40	20	45	
M/D PROD E 11	32	60 SEC	48	4	30	50	25	90	
M/D BEVRG E12	35	60 SEC	48	4	30	50	25	60	
M/D BEVRG E13	35	60 SEC	48	4	30	50	25	60	
M/D PROD E 14	33	60SEC	48	4	30	50	25	90	
M/D PROD E15	36	60 SEC	50	4	40	50	25	90	
8' FLORAL E 16	36	60 SEC	55	3	45	50	30	90	
3DRFLORAL E 17	36	60 SEC	55	4	30	50	25	90	
36' CHEESE E 18	30	60 SEC	50	4	40	45	25	60	

ITEMS THAT NEED TO BE ADDRESSED

(#)= SET POINT CHANGE BY RWS

GIANT EAGLE®

Circuit Detail Report - A

System #	Temp Set Point	Circuit Temp Average	Case #1			Case #2			Case #3			Case #4			Case #5			Case #6			EEPR VALVE AVG	REPAIRED
			TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET			
				BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		
Rack - A																						
A1	-5.0	13.6	13.6	0.0																	100%	
A2	-5.0	-5.5	-5.4	0.0		-1.8	0.0		-6.4	0.0		-4.5	0.0		-7.3	0.0		-8.0	0.0		34.1%	
A3	-5.0	-5.7	-4.4	0.0		-4.8	0.0		-3.3	0.0		-8.5	0.0		-7.1	0.0		-6.3	0.0		30.6%	
A4	-8.0	-7.3	-7.3	0.0																	79.2%	
A5	-5.0	-4.1	-4.1	0.0																	11.1%	
A7a	-6.0	-6.6	-6.6	0.0																	0.5%	
A7b	-6.0	-5.6	-5.6	0.0																	1.2%	
A7c	-6.0	-6.4	-6.4	0.0																	4.7%	
A7d	-6.0	-6.1	-6.1	0.0																	2.4%	
A7e	-6.0	-5.9	-5.9	0.0																	1.5%	
A7f	-6.0	-6.1	-6.1	0.0																	4.9%	
A7g	-6.0	-5.6	-5.6	0.0																	5.5%	
A7h	-6.0	-5.3	-5.3	0.0																	0.6%	
A8	-12.0	3.1	3.1	0.0																	100%	

ITEMS THAT NEED TO BE ADDRESSED

Circuit Detail Report - B

System #	Temp Set Point	Circuit Temp Average	Case #1			Case #2			Case #3			Case #4			Case #5			EEPR VALVE AVG	REPAIRED
			TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET			
				BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		
Rack - B																			
B7	-5.0	-1.1	-1.1	0														89.8%	
B6	-3.0	-1.5	-4.4	0.0		-3.2	0.0		-1.4	0.0		2.0	0.0					21.2%	
B5	-3.0	-2.9	-3.0	0.0		-5.1	0.0		-0.2	0.0		-3.4	0.0					19.5%	
B4	-5.0	-5.1	-5.1	0.0														33.1%	
B3	-5.0	-4.2	-4.2	0.0														83.7%	
B2	-8.0	-8.2	-7.8	0.0		-8.3	0.0		-8.4	0.0								23.2%	
B1	-8.0	-7.0	-7.0	0.0														0.0%	

ITEMS THAT NEED TO BE ADDRESSED

Circuit Detail Report - C

System #	Temp Set Point	Circuit Temp Average	Case #1			Case #2			Case #3			Case #4			Case #5			Case #6			EEPR VALVE AVG	REPAIRED
			TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET			
				BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		
Rack - C																						
C1	-8	-8.1	-8.3	0.0		-7.9	0.0		-8.1	0.0											23.4%	
C2	-12	-10.8	-11.2	0.0		-10.4	0.0														69.2%	
C3	-5	-3.9	-5.6	0.0		-6.1	0.0		0.7	0.0		-0.5	0.0		-6.0	0.0		-6.1	0.0		44.2%	
C4	-5	-5.5	-5.5	0.0																	6.5%	
C5	-5	-2.7	-2.7	0.0																	49.9%	
C7	-12	DF		0.0																	100%	
C8a	-6	-6	-6	0.0																	0.0%	
C8b	-6	-6.5	-6.5	0.0																	0.0%	
C8c	-6	-4.5	-4.5	0.0																	1.5%	
C8d	-6	-6.7	-6.7	0.0																	6.3%	
C8e	-6	-7.2	-7.2	0.0																	29%	
C8f	-6	-5.8	-5.8	0.0																	0.0%	

ITEMS THAT NEED TO BE ADDRESSED

GIANT EAGLE®

Circuit Detail Report - D

System #	Temp Set Point	Circuit Temp Average	Case #1			Case #2			Case #3			Case #4			Case #5			EPR VALVE CYCLES	REPAIRED
			TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET			
				BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		
Rack - D																			
DA1	31	31.0	31.0	3.0														4	
DA2	28	30.5	30.0	0.0		30.5	0.0											128	
DA3	28	27.5	29.5	0.0		28.0	2.0		28.0	0.0								5	
DA5	30	28.5	28.5	0.0		30.0	0.0											8	
DA6	30	28.0	28.5	0.0		28.0	0.0											7	
DA7	28	32.0	32.0	0.0														4	
DA8a/b	NONE	42.5	42.5	0.0		36.0	0.0											-	
DA9	30	31.5	31.5	0.0														4	
DA8	24	23.0	23.0	0.0														21	
DA8	30	35.5	35.5	0.0														175	
DA12	NONE	36.0	36.0	0.0														-	
DA13	35	34.0	34.0	0.0														4	
DA14	35	34.0	34.0	0.0														101	
DA15	35	38.0	38.0	0.0														48	
DA16	35	37.0	37.0	0.0														143	
DA17	35	36.0	36.0	0.0														160	
DA18	35	35.0	35.0	0.0														6	
DA19	35	37.5	37.5	0.0														34	
DA20	35	33.0	33.0	0.0														35	

ITEMS THAT NEED TO BE ADDRESSED

GIANT EAGLE®

Circuit Detail Report - E

System #	Temp Set Point	Circuit Temp Average	Case #1			Case #2			Case #3			Case #4			Case #5			EPR VALVE CYCLES	REPAIRED
			TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET		TEMP	OFFSET			
				BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		BEFORE	AFTER		
Rack - E																			
E1	50	56.5	56.5	0.0														1	
E2	32	35.5	35.5	0.0														4	
E3	50	47.5	47.5	0.0														75	
E6	36	35.5	35.5	0.0														4	
E7	33	34.0	34.0	0.0														4	
E8	60	61.0	61.0	0.0														57	
E10	29	32.0	32.0	0.0														36	
E11	32.0	32.5	32.5	0.0														4	
E12	35.0	35.5	35.5	0.0														4	
E13	35.0	35.0	35.0	0.0														4	
E14	33	35.0	35.0	0.0														4	
E15	35	40.5	40.5	0.0														4	
E16	36	42.0	42.0	0.0														3	
E17	36	37.5	37.5	0.0														4	
E18	30	30.0	30.0	0.0														4	

ITEMS THAT NEED TO BE ADDRESSED

HVAC SET POINT VERIFICATION

ECI DEWPT RTU#1	
BEFORE	+24.0
AFTER	

ECI DEWPT RTU#2	
BEFORE	+9.0
AFTER	

CONTROLLER MANUFACTOR	DANFOSS
SOFTWARE VERSION	R02.211
CONTROLS	RACKS C/D/HAVC/LIGHTS

RTU #1 PROD

	FAN (CLOSED)	TARGET COOLING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE	TARGET AUX HEATING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE	TARGET DEHUMIFICATION TEMP #1	#2	#3	#4	CL LOW LIMIT	VOLTAGE
BEFORE	CONTINUOUS	74.0	74.5	75.0	75.5	55.0	2.0	11:30PM-6:00AM	72.0	71.5	-	-	NO	NO	-	50.0	50.5	51	51.5	62	460 V
AFTER	ON DEMAND	74.0	74.5	75.0	75.5	55.0	2.0	11:00PM-7:00AM	70.0	69.5	-	-	NO	2.0	11:00PM-7:00AM	50.0	50.5	51	51.5	62	

RTU #2 FROZ

	FAN (CLOSED)	TARGET COOLING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE	TARGET AUX HEATING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE	TARGET DEHUMIFICATION TEMP #1	#2	#3	#4	CL LOW LIMIT	VOLTAGE
BEFORE	CONTINUOUS	75.0	75.5	76.0	76.5	45.0	2.0	11:30PM-6:00AM	72.0	71.5	-	-	NO	NO	-	50.0	50.5	51	51.5	68	460 V
AFTER	ON DEMAND	74.0	74.5	75.0	75.5	45.0	2.0	11:00PM-7:00AM	70..0	69.5	-	-	NO	2.0	11:00PM-7:00AM	50.0	50.5	51	51.5	68	

ACU #1 BKRY

	FAN (CLOSED)	TARGET COOLING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE	TARGET AUX HEATING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE
BEFORE	ON DEMAND	72.0	73.0	-	-	45.0	2.0	11:00PM-4:00AM	68.0	-	-	-	NO	NO	-
AFTER	ON DEMAND	74.0	74.5	-	-	45.0	2.0	11:00PM-7:00AM	68.0	-	-	-	NO	2.0	11:00PM-7:00AM

ACU #2 OFFIC

	FAN (CLOSED)	TARGET COOLING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE	TARGET AUX HEATING TEMP #1	#2	#3	#4	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE
BEFORE	ON DEMAND	73.0	74.0	-	-	45.0	2.0	11:30PM-6:00AM	69.0	-	-	-	NO	NO	-
AFTER	ON DEMAND	74.0	**74.5**	-	-	45.0	2.0	11:00PM-7:00AM	69.0	-	-	-	NO	2.0	11:00PM-7:00AM

HV1 DOCKHTR

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE
BEFORE	ON DEMAND	68.0	NO	NO	-
AFTER	ON DEMAND	65.0		2.0	11:00PM-7:00AM

UNIT HTR #1

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE
BEFORE	ON DEMAND	71.0	80.0	NO	-
AFTER	ON DEMAND	65.0	55.0	2.0	11:00PM-7:00AM

UNIT HTR #2

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE
BEFORE	ON DEMAND	71.0	80.0	NO	-
AFTER	ON DEMAND	65.0	55.0	2.0	11:00PM-7:00AM

UNIT HTR #3

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK DEGREE	SCHEDULE
BEFORE	ON DEMAND	68.0	80.0	NO	-
AFTER	ON DEMAND	65.0	55.0	2.0	11:00PM-7:00AM

HVAC SET POINT VERIFICATION

UNIT HTR #4

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK	
				DEGREE	SCHEDULE
BEFORE	ON DEMAND	68.0	80.0	NO	-
AFTER	ON DEMAND	65.0	55.0	2.0	11:00PM-7:00AM

UNIT HTR #5

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK	
				DEGREE	SCHEDULE
BEFORE	ON DEMAND	68.0	80.0	NO	-
AFTER	ON DEMAND	65.0	55.0	2.0	11:00PM-7:00AM

UNIT HTR #6

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK	
				DEGREE	SCHEDULE
BEFORE	ON DEMAND	68.0	80.0	NO	-
AFTER	ON DEMAND	65.0	55.0	2.0	11:00PM-7:00AM

AIR CURTAIN #1

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK	
				DEGREE	SCHEDULE
BEFORE	ON DEMAND	70.0	NO	NO	-
AFTER					

AIR CURTAIN #2

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK	
				DEGREE	SCHEDULE
BEFORE	ON DEMAND	70.0	NO	NO	-
AFTER					

VESTIBULE

	FAN (CLOSED)	TARGET AUX HEATING TEMP #1	LOCK OUT	NIGHT SET BACK	
				DEGREE	SCHEDULE
BEFORE	ON DEMAND	68.0	NO	NO	-
AFTER	ON DEMAND	68.0	60.0	2.0	11:00PM-7:00AM

ITEMS THAT NEED TO BE ADDRESSED

LIGHTING SET POINT VERIFICATION

CHEKOUT LTS			
BEFORE	ON 7:00 AM	OFF 11:45 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:45 PM	SMTWRFA

CASE LIGHTS			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

CANOPY LTS			
BEFORE	ON 12:01 AM	OFF 8:30 AM	SMTWRFA
	ON 4:00 PM	OFF 12:00 AM	SMTWRFA
AFTER	ON 12:01 AM	OFF 8:30 AM	SMTWRFA
	ON 4:00 PM	OFF 12:00 AM	SMTWRFA

VESTIBL LTS			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

SIGNS			
BEFORE	ON 12:01 AM	OFF 8:30 AM	SMTWRFA
	ON 4:00 PM	OFF 12:00 AM	SMTWRFA
AFTER	ON 12:01 AM	OFF 8:30 AM	SMTWRFA
	ON 4:00 PM	OFF 12:00 AM	SMTWRFA

WALL WASH			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

FF LTS 1/2			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

FF LTS 1/2			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

MT/FISH 1/2			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

MT/FISH 1/2			
BEFORE	ON 7:00 AM	OFF 11:00 PM	SMTWRFA
AFTER	ON 7:00 AM	OFF 11:00 PM	SMTWRFA

Medina

Mercantile Customer Project Commitment Agreement
Exemption Option

THIS MERCANTILE CUSTOMER PROJECT COMMITMENT AGREEMENT ("Agreement") is made and entered into by and between Ohio Edison Company, its successors and assigns (hereinafter called the "Company") and Giant Eagle, Inc., its permitted successors and assigns (hereinafter called the "Customer") (collectively the "Parties" or individually the "Party") and is effective on the date last executed by the Parties as indicated below.

WITNESSETH

WHEREAS, the Company is an electric distribution utility and electric light company, as both of these terms are defined in R.C. § 4928.01(A); and

WHEREAS, Customer is a mercantile customer, as that term is defined in R.C. § 4928.01(A)(19), doing business within the Company's certified service territory; and

WHEREAS, R.C. § 4928.66 (the "Statute") requires the Company to meet certain annual energy efficiency and peak demand reduction ("EE&PDR") benchmarks; and

WHEREAS, when complying with certain EE&PDR benchmarks the Company may include the effects of mercantile customer-sited EE&PDR projects; and

WHEREAS, Customer has certain customer-sited demand reduction, demand response, or energy efficiency project(s) as set forth in attached Exhibit 1 (the "Customer Energy Project(s)") that it desires to commit to the Company for integration into the Company's Energy Efficiency & Peak Demand Reduction Program Portfolio Plan ("Company Plan") that the Company will implement in order to comply with the Statute; and

WHEREAS, the Customer, pursuant to and consistent with the Statute, desires to pursue exemption from paying charges included in the Company's then current cost recovery mechanism (hereinafter, "Rider DSE") as approved by the Public Utilities Commission of Ohio ("Commission") for recovery of the DSE2 costs associated with the Company Plan; and is committing the Customer Energy Project(s) as a result of such exemption.

WHEREAS, Customer's decision to commit its Customer Energy Project(s) to the Company for inclusion in the Company Plan has been reasonably encouraged by the possibility of an exemption; and

WHEREAS, in consideration of, and upon receipt of, said exemption, Customer has consented to committing the Customer Energy Project(s) to the Company and complying with all other terms and conditions set forth herein, including without limitation, the submission of an annual report on the energy savings and/or peak-demand reductions achieved by the Customer Energy Project(s).

NOW THEREFORE, in consideration of the mutual promises set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, do hereby agree as follows:

1. **Customer Energy Projects**. Customer hereby commits to the Company and Company accepts for integration into the Company Plan the Customer Energy Project(s) set forth on attached Exhibit 1. Said commitment shall be for the life of the Customer Energy Project(s). Company will incorporate said project(s) into the Company Plan to the extent that such projects qualify. In so committing, and as evidenced by the affidavit attached hereto as Exhibit A, Customer

acknowledges that the information provided to the Company about the Customer Energy Project(s) is true and accurate to the best of its knowledge.

a. By committing the Customer Energy Project(s) to the Company, Customer acknowledges and agrees that the Company shall control the use of the kWh and kW reductions resulting from said projects for purposes of complying with the Statute. By committing the Customer Energy Project(s), Customer has the ability to either:

   i. Take ownership of the Energy Efficiency resource credits resulting from their Customer Energy Project(s) and may be able to bid - or sell - the Energy Efficiency resource credits into the market operated by the grid operator, PJM Interconnection, Inc. (PJM), provided several prerequisites are met; or

   ii. Allow the Company to take ownership of the Energy Efficiency resource credits associated with their Customer Energy Project(s). The Company shall, at its sole discretion, aggregate said capacity into the PJM market through an auction. Any proceeds from any such bids accepted by PJM will be used to offset the costs charged to the Customer and other of the Company's customers for compliance with state mandated energy efficiency and/or peak demand requirements

Please indicate your preference as to the treatment of your Energy Efficiency resource credits:

☒ Customer would like to retain ownership of its Energy Efficiency resource credits.

☐ Customer assigns ownership of its Energy Efficiency resource credits to Company for purposes of bidding these credits into PJM.

b. The Company acknowledges that some of Customer's Energy Projects contemplated in this paragraph may have been performed under certain other federal and/or state programs in which certain parameters are required to be maintained in order to retain preferential financing or other government benefits (individually and collectively as applicable, "Benefits"). In the event that the use of any such project by the Company in any way affects such Benefits, and upon written request from the Customer, Company will release said Customer's Energy Project(s) to the extent necessary for Customer to meet the prerequisites for such Benefits. Customer acknowledges that such release (i) may affect Customer's exemption benefits discussed in Article 3 below; and (ii) will not affect any of Customer's other requirements or obligations, including without limitation any reporting requirements, as set forth herein.

c. Any future Customer Energy Project(s) committed by Customer shall be subject to a separate application and, upon approval by the Commission, said projects shall become part of this Agreement.

d. Customer will provide Company or Company's agent(s) with reasonable assistance in the preparation of a joint application for approval of this Agreement ("Joint Application") that will be filed with the Commission, with such Joint Application being consistent with then current Commission requirements.

e. Upon written request and reasonable advance notice, Customer will grant employees or authorized agents of either the Company or the Commission reasonable, pre-arranged access to the Customer Energy Project(s) for purposes of measuring and verifying energy savings and/or peak demand reductions resulting from the Customer Energy Project(s). It

is expressly agreed that consultants of either the Company or the Commission are their respective authorized agents.

2. **Joint Application to the Commission.** The Parties will submit the Joint Application using the Commission's standard "Application to Commit Energy Efficiency/Peak Demand Reduction Programs" in which they will seek the Commission's approval of (i) this Agreement: (ii) the commitment of the Customer Energy Project(s) for inclusion in the Company Plan; and (iii) the Customer's exemption from paying the DSE2 charge of the Company's Rider DSE.

The Joint Application shall include all information as set forth in the Commission's standard form which, includes without limitation:

i. A narrative description of the Customer Energy Project(s), including but not limited to, make, model and year of any installed and/or replaced equipment;
ii. A copy of this Agreement; and
iii. A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results.

3. **Customer Exemption and Annual Report**. Upon Commission approval of the request for exemption, the Company will exempt Customer from paying any Rider DSE charges consistent with any Commission directives as set forth in the Commission's Finding and Order approving the Joint Application. Such exempt status shall apply to those accounts identified by Customer that pertain to those Customer sites with one or more Customer Energy Project(s) approved for integration into the Company Plan by the Commission in the Joint Application.

a. For purposes of this Agreement, a "site" shall be a single location with one or more facilities. As examples only, a site includes an industrial plant, a hospital complex or a university located on one or more parcels of land, provided that said parcels are contiguous.

b. For purposes of this Agreement, an "account" shall be as defined by the Company through its normal business practices. Any account identified by Customer shall be eligible for exemption, provided that said account pertains to a specific site with at least one Customer Energy Project that qualifies Customer for exemption from paying Rider DSE charges.

c. Any new accounts created at a site on which there is already an approved Customer Energy Project shall, at the option of the Customer, be included within the exemption granted under said project, and shall be included for purposes of calculating future eligibility for exemption under the project. Any such election shall become effective in the first billing cycle after March 15th following identification of said account in the annual report required under Section 3(d)(iii) below.

d. Customer acknowledges and agrees that if it desires to pursue such exempt status, as evidenced in the Joint Application, Customer is obligated to provide to the Company an annual report on the energy savings and peak-demand reductions achieved by the Customer Energy Project(s) on a calendar year basis. Company shall provide Customer with such information as it may require, that is in Company's possession, for the purposes of preparing such report. Company shall provide a template for Customer to use in preparing the annual report and shall make available a designated Company representative to answer questions.

i. Said report shall be submitted annually on or before January 31 of each year after Commission approval of the Joint Application.

ii. Said report shall provide all information required under the Rules, and where the requirements of the Rules conflict with a requirement under this Agreement or the Joint Application, the requirements of the Rules shall control.

iii. Said report shall, at a minimum, include the following information for each Customer Energy Project that has been approved by the Commission:

1. A demonstration that the energy savings and peak-demand reductions associated with the Customer Energy Project(s) meet the total resource cost test or that the Company's avoided cost exceeds the cost to the Company for the Customer's program;

2. A statement distinguishing programs implemented before and after January 1 of the current year;

3. A quantification of the energy savings or peak-demand reductions for programs initiated prior to 2009 in the baseline period;

4. A recognition that the Company's baselines have been increased by the amount of mercantile customer energy savings and demand reductions;

5. A listing and description of the Customer Energy Projects that have been implemented, which provides the detail required by the Rules;

6. An accounting of expenditures made by the mercantile customer for each program and its component energy savings and peak-demand reduction attributes; and

7. A timeline showing when each Customer Energy Project went into effect and when the energy savings and peak-demand reductions occurred.

8. Any other information reasonably necessary for the Company to (i) verify Customer's continued eligibility for exemption from paying Rider charges; and (ii) report in the Company's annual status report to the Commission the EE&PDR results related to each Customer Energy Project.

e. Customer's exemption shall automatically terminate:

i. At the end of the exemption period as determined by the Commission

ii. Upon order of the Commission or pursuant to any Commission rule;

iii. If Customer fails to comply with the terms and conditions set forth in the Company's then current Rider DSE, or its equivalent, as amended from time to time by the Commission, within a reasonable period of time after receipt of written notice of such non-compliance;

iv. If it is discovered that Customer knowingly falsified any documents provided to the Company or the Commission in connection with this Agreement or the Joint Application. In such an instance, Company reserves the right to recover any

exempted rider charges from the date of approval of the Joint Application through the date said exemption is terminated; or

v. If Customer fails to submit the annual report required in (d) above. In such an instance, Company reserves the right to recover any exempted rider charges from the date of approval of the Joint Application through the date said exemption is terminated. It is expressly agreed that this provision shall not apply should said report contain errors, provided that the submission of said report is made in good faith. It is further agreed that the Company will provide written notice of the date on which said report is due at least thirty (30) days prior thereto.

f. Company reserves the right to recover from Customer any Rider DSE charges incurred by Customer after the date Customer's exemption terminates.

3. **Termination of Agreement**. This Agreement shall automatically terminate:

a. If the Commission fails to approve this Agreement through the Joint Application;

b. Upon order of the Commission; or

c. At the end of the life of the last Customer Energy Project subject to this Agreement.

Customer shall also have an option to terminate this Agreement should the Commission not approve the Customer's exemption, provided that Customer provides the Company with written notice of such termination within ten days of either the Commission issuing a final appealable order or the Ohio Supreme Court issuing its opinion should the matter be appealed.

Customer acknowledges that if a Customer Project is withdrawn pursuant to Paragraph 1(b) of this Agreement, the exemption or a portion of such exemption may be affected. Should Customer elect to withdraw a project pursuant to Paragraph 1(b), Customer shall provide Company with reasonable assistance in preparing any documentation that may be required by the Commission and, upon reasonable request, shall provide documentation supporting the necessity to withdraw such project.

4. **Confidentiality**. Each Party shall hold in confidence and not release or disclose to any person any document or information furnished by the other Party in connection with this Agreement that is designated as confidential and proprietary ("Confidential Information"), unless: (i) compelled to disclose such document or information by judicial, regulatory or administrative process or other provisions of law; (ii) such document or information is generally available to the public; or (iii) such document or information was available to the receiving Party on a non-confidential basis at the time of disclosure.

a. Notwithstanding the above, a Party may disclose to its employees, directors, attorneys, consultants and agents all documents and information furnished by the other Party in connection with this Agreement, provided that such employees, directors, attorneys, consultants and agents have been advised of the confidential nature of this information and through such disclosure are deemed to be bound by the terms set forth herein.

b. A Party receiving such Confidential Information shall protect it with the same standard of care as its own confidential or proprietary information.

c. A Party receiving notice or otherwise concluding that Confidential Information furnished by the other Party in connection with this Agreement is being sought under any provision

of law, to the extent it is permitted to do so under any applicable law, shall endeavor to: (i) promptly notify the other Party; and (ii) use reasonable efforts in cooperation with the other Party to seek confidential treatment of such Confidential Information, including without limitation, the filing of such information under a valid protective order.

d. By executing this Agreement, Customer hereby acknowledges and agrees that Company may disclose to the Commission or its Staff any and all Customer information, including Confidential Information, related to a Customer Energy Project, provided that Company uses reasonable efforts to seek confidential treatment of the same.

5. **Taxes.** Customer shall be responsible for all tax consequences (if any) arising from the application of the exemption.

6. **Notices**. Unless otherwise stated herein, all notices, demands or requests required or permitted under this Agreement must be in writing and must be delivered or sent by overnight express mail, courier service, electronic mail or facsimile transmission addressed as follows:

If to the Company:

FirstEnergy Service Company
76 South Main Street
Akron, OH 44308
Attn: Victoria Nofziger
Telephone: 330-384-4684
Fax: 330-761-4281
Email: vmnofziger@firstenergycorp.com

If to the Customer:

Giant Eagle, Inc.
101 Kappa Dr, Pittsburgh, PA 15238
Pittsburgh, PA 15238
Attn:Antoinette Lichty
Telephone:412-967-3649
Fax:
Email:antoinette.lichty@gianteagle.com

or to such other person at such other address as a Party may designate by like notice to the other Party. Notice received after the close of the business day will be deemed received on the next business day; provided that notice by facsimile transmission will be deemed to have been received by the recipient if the recipient confirms receipt telephonically or in writing.

7. **Authority to Act.** The Parties represent and warrant that they are represented by counsel in connection with this Agreement, have been fully advised in connection with the execution thereof, have taken all legal and corporate steps necessary to enter into this Agreement, and that the undersigned has the authority to enter into this Agreement, to bind the Parties to all provisions herein and to take the actions required to be performed in fulfillment of the undertakings contained herein.

8. **Non-Waiver.** The delay or failure of either party to assert or enforce in any instance strict performance of any of the terms of this Agreement or to exercise any rights hereunder conferred, shall not be construed as a waiver or relinquishment to any extent of its rights to assert or rely upon such terms or rights at any later time or on any future occasion.

9. **Entire Agreement.** This Agreement, along with related exhibits, and the Company's Rider DSE, or its equivalent, as amended from time to time by the Commission, contains the Parties' entire understanding with respect to the matters addressed herein and there are no verbal or collateral representations, undertakings, or agreements not expressly set forth herein. No change in, addition to, or waiver of the terms of this Agreement shall be binding upon any of the Parties unless the same is set forth in writing and signed by an authorized representative of each of the Parties. In the event of any conflict between Rider DSE or its equivalent and this document, the latter shall prevail.

10. **Assignment.** Customer may not assign any of its rights or obligations under this Agreement without obtaining the prior written consent of the Company, which consent will not be unreasonably withheld. No assignment of this Agreement will relieve the assigning Party of any of its obligations under this Agreement until such obligations have been assumed by the assignee and all necessary consents have been obtained.

11. **Severability.** If any portion of this Agreement is held invalid, the Parties agree that such invalidity shall not affect the validity of the remaining portions of this Agreement, and the Parties further agree to substitute for the invalid portion a valid provision that most closely approximates the economic effect and intent of the invalid provision.

12. **Governing Law.** This Agreement shall be governed by the laws and regulations of the State of Ohio, without regard to its conflict of law provisions.

13. **Execution and Counterparts.** This Agreement may be executed in multiple counterparts, which taken together shall constitute an original without the necessity of all parties signing the same page or the same documents, and may be executed by signatures to electronically or telephonically transmitted counterparts in lieu of original printed or photocopied documents. Signatures transmitted by facsimile shall be considered original signatures.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized officers or representatives as of the day and year set forth below.

The Cleveland Electric Illuminating Company
(Company)

By: _____

Title: VP of Energy Efficiency

Date: 7-8-15

Giant Eagle, Inc.
(Customer)

By: _____

Title: Sr VP, Real Estate & Development

Date: 5-28-15

Affidavit of Giant Eagle, Inc. – Exhibit A

STATE OF OHIO)
) SS:
COUNTY OF Medina)

I, Name, being first duly sworn in accordance with law, deposes and states as follows:

1. I am the Title of Giant Eagle, Inc. ("Customer") As part of my duties, I oversee energy related matters for the Customer.
2. The Customer has agreed to commit certain energy efficiency projects to Ohio Edison Company ("Company"), which are the subject of the agreement to which this affidavit is attached ("Project(s)").
3. In exchange for making such a commitment, the Company has agreed to provide Customer with a Rider Exemption ("Incentive"). This Incentive was a critical factor in the Customer's decision to go forward with the Project(s) and to commit the Project(s) to the Company.
4. All information related to said Project(s) that has been submitted to the Company is true and accurate to the best of my knowledge.

FURTHER AFFIANT SAYETH NAUGHT.

Sworn to before me and subscribed in my presence this 1 day of July, 2015.

Notary

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Allison Rose Loeper, Notary Public
O'Hara Twp., Allegheny County
My Commission Expires June 28, 2016
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Summary: Application to Commit Energy Efficiency/Peak Demand Reduction Programs of The Cleveland Electric Illuminating Company and Giant Eagle, Inc. electronically filed by Ms. Jennifer M. Sybyl on behalf of The Cleveland Electric Illuminating Company and Giant Eagle, Inc.