

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

Case No.: 9 - 2158
-EL-EEC

Mercantile Customer: Graphic Packaging

Electric Utility:

Duke Energy

Program Title or Description:

Infrared Paper Drying System

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

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: Graphic Packaging

Principal address: 407 Charles St

Middletown, OH 45042-2107

Address of facility for which this energy efficiency program applies:

407 Charles St Middletown, OH 45042-2107

Name and telephone number for responses to questions:

Andrew Taylor, (317) 838-2096

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	efficiency	program	involves	(check	those	that a	apply	/):
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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 steam-heated paper drying system with a more efficient infrared (IR) paper drying system. This upgrade significantly reduces the amount of electric energy required in the drying process.

Installatio	n of new	equipment t	o replace	equipment	that needed	to	be
replaced	The custo	mer installed	new equij	oment on the	following da	ite(s	s):

Insta	llation of new equip	ment	for new cons	truct	ion o	r facility exp	pansion.
The	customer installed	new	equipment	on	the	following	date(s):

- 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: 1,548,180 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:

rmuluai saviligs. Kyyl	Annual	savings:	kWł
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Please describe any less efficient new equipment that was rejected in favor of the more efficient new equipment.

Behavioral or operational improvement.

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?
 The infrared (IR) paper drying system was installed in August 2019.
- C) What is the peak demand reduction achieved or capable of being achieved (show calculations through which this was determined):

0.0 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.

automatic asis by the

app	roval nmiss	. All	applications, however, will be considered on a timely ba
A)	The	custor	ner is applying for:
	✓	Optio	on 1: A cash rebate reasonable arrangement.
	OR		
	ū	Option mech	on 2: An exemption from the energy efficiency cost anism implemented by the electric utility.
	OR		
		Com	mitment payment
B)	The	value	of the option that the customer is seeking is:
	Opti	ion 1:	A cash rebate reasonable arrangement, which is the lesser of (show both amounts):
			✓ A cash rebate of \$50,316. Refer to Appendix C for documentation. (Rebate shall not exceed 50% project cost.
	Opti	on 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

recovery

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	p Subsection 2)	

√	Utility Cost Test (UCT). The calculated UCT value is 7.40 (Skip to
	Subsection 2.) Refer to Appendix D for calculations and supporting documents.

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 \$682,603.

The utility's program costs were \$41,919.

The utility's incentive costs/rebate costs were \$50,316.

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.

96602038 02		
GRAPHIC PACKAGING		
407 CHARLES		-
MIDDLETOWN, OH 45042		
Date	Days	Actual KWH
9/27/2019	30	6,511,862
8/28/2019	29	5,180,256
7/30/2019	32	6,958,483
6/28/2019	29	5,998,320
5/30/2019	30	6,527,578
4/30/2019	32	6,798,557
3/29/2019	29	6,369,542
2/28/2019	29	6,058,829
1/30/2019	30	6,426,730
12/31/2018	33	6,693,638
11/28/2018	33	7,200,365
10/26/2018	29	6,349,402
Total		77,073,562

Appendix	Appendix B - Graphic Packaging Energy Savings Achieved	eved				İ			
	Baseline Used			Post Project Actual				Savines	nex.
			Summer			Summer			Summer
			Coincident			_	House of	Amman	Colmidon
	Description	Annual kWh	kW	Description	Annual kWh	kW	Operation	KWA	LUIN IN
ECM+1	Steam-heated paper drying system	79,361,099	650'6	infrared-heated paper drying system	77 812 919	900	0 760	940	
					A TOTAL OF THE PARTY OF THE PAR	ı	20,10	7,340,10U	0.0
Notes	Energy consumption baseline, demand baseline and post		ject energy	project energy consumption basis are outlined in the following pages					
=									
	After consideration of line losses, total energy	y savings are 1,6	59,648 kW	After consideration of line losses, total enemy savings are 1,653,648 kWh and 0 summer coincident kW. These values may plan minor DSM/ne modeling schause councile.	minor DSMore n	whose collection	acipoinos eser		
						- August		201101	

Appendix C -Cash Rebate Calculation

Graphic Packaging Infrared Paper Drying System

Measure	Quantity	Cash Rebate Rate	Cash Rebate
		50% of incentive that would be offered by	
Infrared (IR) Paper Drying System	1	the Smart Saver Custom program	\$50,316
			\$50,316

Appendix D -UCT Value

Graphic Packaging Infrared Paper Drying System

	,	
Measure UCT	7.40	
Quantity	1	1
Incentive	\$50,316	\$50,316
Program Cost	\$41,919	\$41,919
Total Avoided Cost	\$682,603	\$682,603
Measure	IR Paper Drying System	Totals

\$682,603 \$41,919 \$50,316 **Total Avoided Supply Costs**

Total Program Costs Total Incentive

7.40

Aggregate Application UCT





phone 866.380,9580 fax: 980,373,9755

customprocessing@duke-energy-energyefficiency.com

11/5/2019

Greg France
GRAPHIC PACKAGING INTERNATIONAL INC - 9660203802
407 CHARLES ST
MIDDLETOWN OH 45042-2107

Subject; Your Application for a Duke Energy Mercantile Self-Direct Rebate CMO19-0000165670

Dear Greg France,

Thank you for your Duke Energy Mercantile Self Direct rebate application. As noted in the Energy Conservation Measure (ECM) chart on page 2, a total rebate of \$50,316.00 has been proposed for your project completed in the 2019 calendar years. 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 2

completing the PUCO-required affidavit on Page 3

Please return the documents to my attention via fax at 513.629.5572 or email to customprocessing@duke-energy-energyefficiency.com. Upon receipt, Duke Energy will submit the necessary documentation to PUCO. Following PUCO's approval, Duke Energy will remit payment.

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,

Andrew Taylor
Program Manager
Custom Incentives

cc:

Teri Morris Walt Dindoffer



GRAPHIC PACKAGING INTERNATIONAL INC -9660203802 - CMO19-0000165670 Custom Incentive Offer Letter 11/5/2019 Page 2

within 30 days of receipt.	onse to this rebate offer	
	Rebate is declined.	
By accepting this rebate, GRAPHIC PA to commit and integrate the energy ef peak demand reduction, demand respon	CKAGING INTERNATIONAL INC - 96602 ficiency projects listed on the following nse and/or energy efficiency programs.	203802 affirms its intention pages into Duke Energy's
applicant in any future filings necessary	INTERNATIONAL INC - 9660203802 als y to secure approval of this arrangement rting requirements imposed by rule or as	as required by PUCO and
information submitted to Duke Energy question would include, but not be	TERNATIONAL INC - 9660203802 at pursuant to this rebate offer is true and limited to, project scope, equipment ject completion dates, and the quantity	l accurate. Information in specifications, equipment
If rebate is accepted, will you use the projects? ☐ Yes ☒ No	monies to fund future energy efficiency	and/or demand reduction
Customer Signature	GREGORY S. FRANCE Printed Name	[]- 22-19 Date



GRAPHIC PACKAGING INTERNATIONAL INC -9660203802 - CMO19-0000165670 Custom Incentive Offer Letter 11/5/2019 Page 3

Proposed Rebate Amounts

Measure ID	Energy Conservation Measure	Proposed Rebate Amount
ECM-1	Graphic Pack Intl - Dryer Replacement	\$50,316.00 per facility X 1
	Total	\$50,316.00

 NOTE: Please note given the typical (60) day PUCO review period it is not likely this rebate will be paid until early 2020 once accepted.



(Mercantile Customers Only)

MARCH 20, 2021

Application to Commit Energy Efficiency/Peak Demand Reduction Programs

Case No.: 10-258
State of Ohio:
Greg France , Affiant, being duly sworn according to law, deposes and says that:
I. I am the duly authorized representative of:
Graphic Packaging International Inc Middletown, Ohio Mill
[INSERT CUSTOMER OR EDU COMPANY NAME AND ANY APPLICABLE NAME(S) DOING BUSINESS AS]
2. I have personally examined all the information contained in the foregoing application, including any exhibits and attachments. Based upon my examination and inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.
3. I am aware offines and penalties which may be imposed under Ohio Revised Code Sections 2921.11, 2921.31, 4903.02, 4903.03, and 4903.99 for submitting false information. SIGNATURE OF AFFIANT & TITLE
Swom and subscribed before me this 22 day of Devendor , 2019 MONTH YEAR Tami Brushman SIGNATURE OF OFFICIAL ADMINISTERING OATH PRINT NAME AND TITLE
My commission expires on 3/20/21 TAMI BAUGHMAN NOTARY PUBLIC - OHIO MY COMMISSION EXPIRES

Graphic Packaging International – Middletown, OH

Upgrade IR Dryers #4 & #5 (Coater Exit) and New Controls

This project is to upgrade the #4 and #5 steam heated dryers at the Middletown, OH mill with upgraded, more efficient gas infrared (IR) dryers and an upgraded Delta V controls package.

Upgrading to IR technology and Delta V controls increases paper sheet consistency, improves drying uniformity and time, and increases efficiency and outut (per kW) of the line.

#4 & #5 dryers are at the coater exit on the line. The old steam dryers were in frequent disrepair, required frequent maintenance, and caused issues with production. The old controls also did not allow for increased speed or efficiency due to temperature and uniformity swings, requiring the line to run in a more conservative control band. The new IR dryers and controls allow for heating to be controlled to the specific needs of the product being run. Steam heated dryers consume a significant amount more in energy than new technology gas IR dryers.

Upgrading to IR technology increases paper sheet consistency, improves drying uniformity and time, and increases efficiency and productivity of the line.

The productivity of the line increases with more efficient and consistent IR drying and improved modern control technology, allowing the line to be sped up. This increases the product output (salable tons) per kW electric consumption.

The project includes:

- 1. Removal of old steam dryers
- 2. New modern technology, more efficient gas infrared dryer units
- 3. Upgraded instrumentation and controls (Delta V controls)
- 4. New piping and electrical
- 5. New gas control valves
- 6. New fan vibration isolators
- 7. New pressure switches, thermocouples, ignition and flame rod wires
- 8. New flexible hoses and ductwork, new insulation
- 9. Labor, materials, engineering, project management, construction management, commissioning



Ohio Mercantile Self Direct Program

Application Guide and Cover Sheet

Questions? Call 866.380.9580 or visit 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 513.629.5572.

Mercantile customers, defined as using at least 700,000 kilowatt-hours (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	Annual Usage	Account Number	Annual Usage
9660-2038-02-2	79,303,395 (2018)		
	· · · · · · · · · · · · · · · · · · ·		

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 payment.*	Manufacturer's Spec sheets	Energy model/calculations and detailed inputs for Custom applications
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^{*}If a single payment record is intended to demonstrate the costs of both Prescriptive and Custom projects, please include an additional document with an estimated breakout of costs for each Prescriptive and Custom energy conservation measure.



**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 Optional Custom Processing					
Heating and Cooling and Window Films, Programmable Thermostats, and	☐ 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	☐ 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 er or Refrigerator				
Process Equipment	☐ Engineered Nozzie — 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.



1. Contact Information (Required)

Duke Energy Custome	r Contact In	formation ¹				
Company Name (as it appears on your bill)		Graphic Packaging International Inc				
Address	1500 Rive	1500 Riveredge Parkway, Suite 100				
City	Atlanta		State	GA	ZIP Code	30328
Project Contact	Greg Fran	Greg France				
Office Phone		Mobile Phone	513-	464-6600		
Email Address	greg.fran	greg.france@graphicpkg.com				

Equipment Vendor	Contractor / Architect /	Engineer	Contact I	nformation			
Company Name	Development Solutions Midwest						
Address	4856 Farwell Lake R	4856 Farwell Lake Rd.					
City	Horton	Stat	te MI	ZIP Code	49246		
Project Contact	Walt Dindoffer	Walt Dindoffer					
Office Phone	Mobile Phone 419-944-8565						
Email Address	walt@dsmidwest.cor						

Who is the primar	y point of contact for technical ques	stions?2	Walt [Dindoffer, DS	Midwest		
Payment Informa	tion						
If an incentive is a	warded, who should receive payme	ent?³					
X Customer	☐ Customer Customer's agent⁴ must sign below)						
on the invoice and	*If the payee is the vendor, they must issue a credit in the amount of the incentive to the customer on the invoice and include it with the payment request.						
	Payee (provide W-9) 84-077						
Mailing Address for Payee (if different from above) Check payable to: Neil Shockey (Controller)							
Street	407 Charles St						
City	Middletown	State	ОН	ZIP Code	45042		

¹ Provided customer information should match the Duke Energy customer of record and W-9 form provided with this application. If the customer entity is a business affiliate of the Duke Energy customer of record, documentation must be provided that demonstrates the business affiliation.

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 letter of authorization on customer letterhead indicating an entity is acting as an agent for the customer. Duke Energy does not act as an agent.

³ 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.

⁴ If an outside agent is acting on behalf of the Duke Energy customer of record, a letter of authorization on customer letternead and signed by an authorized employee of the customer must be provided.



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 two years or less Replacing equipment that is estimated to have remaining useful life of more than two	
ye	Behavioral, operational and/or procedural programs/projects	
B,	Please describe your project, or attach a detailed project description that describes the roject. This project is to upgrade the #4 and #5 (coater exit) dryers at the Middletown, OH mill from sta eated dryers to more efficient gas infrared (IR) dryers. Please see attached details.	∍am
C.	Vhen did you start and complete implementation? tart date / (mm/yyyy) End date / (mm/yyyy)	
	09/2018 08/2019	
D.	re you also applying for Self Direct Prescriptive rebates and, if so, which one(s) ⁵ ?	
E.	lease indicate which worksheet(s) you are submitting for this application (check all that pply): Lighting Variable Frequency Drive (VFD) Compressed Air Energy Management System (EMS) General (for projects not easily submitted using one of the above worksheets)	
F.	ist all assumptions about the baseline and proposed equipment energy use and operation chedule, or attach a document listing that information. Attach specification sheets for all roposed new equipment. Ilease see attached. Baseline is 18 months of production output (kWh per ton salabale roduct) as shown in the excel data file. Post-data is increased tons and reduced kWh.	
G. 	ttach a supplier or contractor invoice(s) and/or other equivalent information documenting the Implementation Cost for each project listed in your application. The invoice of the Implementation Cost include any internal labor. The internal labor included with this application are external costs, no internal costs included.	

⁵ 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 analysis.

⁶ Internal labor costs cannot be counted in the Incremental Project Cost for purposes of analysis.



- 17. Disclaimers: Duke Energy Ohio, Inc.
 - a. does not endorse any particular manufacturer, product or system design within the
 - 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.

CUSTOMER SIGNATU	RE REQUIRED		
By signing below, I certing Attestation and Terms a	fy that I have read and agree to the nd Conditions.	above Merca	antile Self Direct
Customer Signature	Just for		
Print Name	speg force	Date	10-2-19
	JRE (REQUIRED ONLY IF TRADE fy that I have read and agree to the nd Conditions.		YEE)
Trade Ally Signature			
Print Name		Date	
f an incentive is awarde he customer must sign i Required: Final invoice f	RIZATION TO DESIGNATE TRADE d and the customer would like to au below to allow release of their incer from trade ally to customer must she	uthorize paymative to the tra	nent to the trade ally, ade ally.
will be changed to the cu	l invoice does not reflect a deduction ustomer.	n of the ince	ntive amount, the payee
Customer Signature			
Print Name		Date	
•		•	

Page 1 of 2	
rev 11/14	



List of Sites (Required)

Provide a list of sites addressed by this custom incentive application

Арр No.	
Rev.	

Site ID	Duke Energy Electric Account Number(s) (see note 2) 12345678 01	Facility Address	List of Proposed Projects at each site	Annual Hours of Operation	Gross Square Footage	Conditioned Square Footage	Facility Age (years)
227	12345078 U1	Example: 123 Main Street, Anywhere USA 12345	Project Name(s)	5,840	42,000	38,000	12
-000	9660-2038-02-2	407 Charles St, Middletown, OH 45042	#4 & #5 IR dryers & controls	8,520	2		
						7/3/27	
100	THE STATE OF THE S						
						1/	
		Name of the last o	-				
	GERNAL -					22	
1-1-1							
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Nonresidential Custom Incentive Application GENERAL WORKSHEET - CLASSIC CUSTOM GENERAL CALCULATIONS

Page 2 of 2



rev 11/14

For each project, answer the following questions (use one worksheet per project)

Upgrade Dryers #4 & #5 (Coater Exit) to Infrared and New Control System Project Name: How would you classify this project? (Place an x in all boxes that apply)

App No. 0 Rev. 0

Heating/Cooling Lighting **Energy Management System** Air Compressor VFD Motors/Pumps **Process Equipment**

Other, describe below: Line efficiency gain (productivity inc

Brief Project Description

Describe the Baseline Equipment/System (see note 3) Describe the Proposed High Efficiency Project Baseline equipment is original #4 & #5 steam heated dryers, This project is to replace the #4 & #5 steam dryers with upgraded, more efficient gas IR original intrumentation/electrical/wiring, original controls. dryers and upgraded Delta V controls. #4 & #5 dryers are at the coater exit on the line. Baseline is 18 months of production data and energy use (daily Upgrading to IR technology increases paper sheet consistency, improves drying uniformity kWh/salable tons), then compared to post-install data. and time, and increases efficiency and ovout (per kWl) of the line.
If Existing Equipment is the Baseline, how many years of useful life remain or how many years until replacement? kWh/salable tons), then compared to post-install data.

Detailed Project Description Attached? Yes (Required)

Operating Hours [see note 4]

						-	Weeks of Use in	
	\	Veekday	Satu	ırday	Sun	day	Year	Total Annual
24 x 7	Start Hour	End Hour	Start Hour	End Hour	Start Hour	End Hour	(see note below)	Hours of Use
Yes							50	8.520

If the equipment is not in use 52 weeks during the year (for example, during holiday or summer break), provide an explanation of when

usage is not expected and why: 24x7 operation, with scheduled maintenance shutdowns; 10 days planned total shutdown time annually

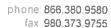
Energy Savings Baseline Proposed Savings Describe how energy numbers were calculated

Baseline data is 18 months of everage production output (kWh per salable ton of product) Lanuary Annual Electric Energy 79,445,691 kWh 76,733,323 kWh 2,712,368 kWh 2018 - July 2019. Past-Project data is 25 days of increased production (salable torus) and reduces consumption (kWh). Overall increase in salable tons per kWh of 13.5 kWh/ton daily, or 2.95% **Electric Demand** 0 kW 0 kW 0 kW Calculations attached efficiency increase.

Simple Payhack

Average electric rate (\$/kWh) on the app	licable accounts (see note 5)		to so
Estimated annual electric savings	readic accounts (menuta)		\$0.10 \$271,237
Other annual savings in addition to electi	ic savings, such as operations, mainti	nance, other fuels	\$0.00
incremental cost to implement the project	rt (equipment & installation)	(see note 6)	\$1,028,000.00
Copy of vendor proposal is attached	(sea note 7)		Yes
Simple Electric Payback in years	3.790046147	Total Payback in years	

3.790046147 (see note 6)





customprocessing@duke-energy-energyefficiency.com

11/5/2019

Greg France
GRAPHIC PACKAGING INTERNATIONAL INC - 9660203802
407 CHARLES ST
MIDDLETOWN OH 45042-2107

Subject: Your Application for a Duke Energy Mercantile Self-Direct Rebate CMO19-0000165670

Dear Greg France,

Thank you for your Duke Energy Mercantile Self Direct rebate application. As noted in the Energy Conservation Measure (ECM) chart on page 2, a total rebate of \$50,316.00 has been proposed for your project completed in the 2019 calendar years. 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 2

completing the PUCO-required affidavit on Page 3

Please return the documents to my attention via fax at 513.629.5572 or email to customprocessing@duke-energy-energyefficiency.com. Upon receipt, Duke Energy will submit the necessary documentation to PUCO. Following PUCO's approval, Duke Energy will remit payment.

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,

Andrew Taylor Program Manager Custom Incentives

cc:

Teri Morris Walt Dindoffer



GRAPHIC PACKAGING INTERNATIONAL INC - 9660203802 - CMO19-0000165670 Custom Incentive Offer Letter 11/5/2019 Page 2

Please indicate your within 30 days of rec	response to this rebate eipt.	offer
☐ Rebate is accepted.	☐ Rebate is declir	ned.
to commit and integrate the en-	HIC PACKAGING INTERNATIONAL ergy efficiency projects listed on that I response and/or energy efficiency	INC - 9660203802 affirms its intention ne following pages into Duke Energy's programs.
applicant in any future filings ne	GING INTERNATIONAL INC - 966 cessary to secure approval of this and reporting requirements imposed the	60203802 also agrees to serve as join arrangement as required by PUCO and by rule or as part of that approval.
question would include, but r	Energy pursuant to this rebate offe not be limited to, project scope,	50203802 affirms that all application in its true and accurate. Information in equipment specifications, equipment the quantity of energy conservation
If rebate is accepted, will you uprojects? ☐ Yes ☐ No	use the monies to fund future energ	gy efficiency and/or demand reduction
Customer Signature	Printed Name	Date



GRAPHIC PACKAGING INTERNATIONAL INC - 9660203802 - CMO19-0000165670 Custom Incentive Offer Letter 11/5/2019 Page 3

Proposed Rebate Amounts

Measure ID	Energy Conservation Measure	Proposed Rebate Amount
ECM-1	Graphic Pack Intl - Dryer Replacement	\$50,316.00 per facility X 1
	Total .	\$50,316.00

 NOTE: Please note given the typical (60) day PUCO review period it is not likely this rebate will be paid until early 2020 once accepted.

Graphic Packaging International - Middletown, OH #4 & #5 IR Dryer and Controls Upgrade

							ų		457.06 kWh/day z																																		
			_			9030 75	4 137 633 36	4,467,033.4	457.0																																		
					August	UMDOINIG			Γ																																		
			6,840	Jul CEO 71		0,840,270 F A86 3	220 652 3	453.70														*																					
		lun	6,311	Jun	19,/91	459.7	730 368 7	457.62														Improvement																					
	ļ	,	5,853	May	1/5,61	502.3	221.049.5	440.08						ylie							daily	daily In																					
	2019	Apr	6,452	Apr		1						kWh/dav	tons/day	kWh/ton daily		oays/year	tons/day	den fra	kWh/vear	:		kWh/ton di	1	kWh																			
		Mar	:16'	Mar /		1						2	2	N	4	ö	2	2	*		KV	K	1	Z.	v	•	vs		\$0														
		Feb	197	13.410 P				Ш				217,243.86	475.30	457.06	200	222	489.6		79,445,691.12		441.5	15.60		76,733,323.09	2,712,368.03		0.10		271,236.80														
	l	la la	5,475	Jan F		1		II				217		IJ	L	_		ſ	79,445				000	76,733	2.712		U																
		Dec	379	13 471	_	_	_	ш				Avg kWh/day	Avg tons/day	Avg kWh/ton	111000	on, days	ns/day		se, kWh		Wh/ton	Delta	0.000	se, kwn	Es kwh]	Electric rate \$		vings \$ \$														
ata		Nov D	265	14.505		1	219,749.9	ΙI				Avg	Avgt	Avg	nill coorse	me obelem	duction, to		al electric u		average k		1	r electric u	Annual savings kWh		Electri		Annual Savings \$														
Historical - Baseline Data			2,897	15.513		1	222,484.4	Li				Jul2019			Ave appropriate Hinter James Adams		Avg Daily Production, tons/day		Baseline annual electric use, kWh		Post-project average kWh/ton		Dans and	Post-project electric use, kwn	*																		
Historical		Sep Oct	573	3ep L		1	219,091.6	ΙI				Avg Jan 2018 - Jul 2019			,		Ť		615		-																						
		Aug Se	B79	Aug. 5		1	221,894.1	447.28				A					30, 2019																										
			6,848	4.844	_	Ι.	220,897.7	461.31																																			
1	2018	Jul n	6,649	405		480.2	221,620.1	461.54									Avg Aug 28,2019 - Sept																										
		nul y	6,780	, O76		482.9	- 1	452.90									Ą																										
		or May	5,800	. 189		422.7		457.40																																			
		Mar Apr	6,844 Mar	109		487.4	- 1	452.99																																			
			6,247 Feb N	.741	6,247,463 6	ŀ	- 1	454.66		Salable	Tons		498	535	455	501	513	517	455	484	474	53.5	1 5	506	460	531	440	469	385	324	464	508	484	547	514	514	503	518	571	272	207	494	211
			6,814	14,504	6,814,301		- 1	469.82		-	kwh	Daily	213168.00	219264.00	218064.00	219100.80	218467.20	219465.60	205305.60	215654.40	219609.60	219561.60	219964.80	220262,40	219552.00	221500.80	221577,60	204979.20	200947,20	216902 40	218851.20	220176.00	219033.60	221232.00	203731.20	220118.40	218678.40	218803.20	220368.00	179203.00			219724.80
lata	Ц g	Lan	MKWh)		kWh	_	_	Wh/ton		d)			7	7 7	17	21	21	22	20	21	12 12	23	21	22	21	22	22	2	2 2	1 1	211	22	21	22	20.	22	21	21.	221	17.	21:	211	17
Energy & Production Data	18 months prior to project	Energy Usage	PURCH ELECT (MKWh) Production	Tons produced - Salable		Tons per day produced	24	Daily avg kWh/ton		Post shutdown data	(after implementation)	Date	8/28/2019	6102/0E/H	8/31/2019	9/1/2019	9/2/2019	9/3/2019	9/4/2019	9/5/2019	9/6/2019	9/8/2019	9/9/2019	9/10/2019	9/11/2019	9/12/2019	9102/21/6	9/14/2019	9/15/2019	9/12/2019	9/18/2019	9/19/2019	9/20/2019	9/21/2019	6102/27/6	9/23/2019	9/24/2019	9/25/2019	9/26/2019	9/27/2019	9/28/2019	9/29/2019	9/30/2019

Average tons/day 489.6 Avg kWh/ton 441.5

Total 7,349,107 16,647

ž,

Graphic Packaging International

Capital Project Estimation Worksheets - AR 2b

Supporting AR # 0034 - 1 8 - 0 2 4 Com	pleted by: Dale Gibberneyer	
Instructions Complete a worksheet for each piece of equipment in equipment and each item/service exceeding \$25,000	ncluded in the project AR. Attach bids for	all
	Turnkey?	
Full Description & Proposed Ven	dor (<u>Y/N</u>)	Estimated Cost
Indirect Cost		-
A1 Spares		\$6,800
B2 Engineering		\$63,189
C1 Start Up Support		\$20,000
C4 Freight		\$14,042
D1 Indirect Construction		\$35,105
	TOTAL	\$139,136
External Cost		
Delta V Controls		\$38,528
Marsden Replacement Panel Marsden Fan Vibration Isolators		\$50,541
Marsden Replacement Gas VIV		\$2,240
Marsden Flex Hoses		\$7,979
Marsden Pressure Sw's		\$4,900
Ignition and Flame Wire		\$820
	TOTAL	\$1,640 \$106,648
Direct Cost		
0 Installation		\$25,000
5 Site Prep - Straight Premium Blen		\$31,692
10 Process Equip (Millwright) Blend		\$233,591
30 Structural Steel and Suppots		\$48,994
61 Pipe Straight Prem Blend		\$74,817
66 Sheet Metal St/Prem Blend		\$109,393
70 Electrical		\$85,441
71 Electrical St/Prem Blend		\$83,777
80 Instrumentation		\$6,440
81 Instrumentation St/Prem Blend		\$2,958
	TOTAL	\$702,103
Electrical, Plumbing & HVAC		
a ii vao		
		\$0
Floor Prep. &		
Other Construction		
	TOTAL	\$0
Outside Consulting,	-	

I			
		TOTAL	\$0
Internal Labor			
(if applicable)	Manhours	Rate:	
Į.		111	\$0
		-	\$0 \$0
			20
		TOTAL	\$0
Sales Tax			\$0
Construction Management			
Annual Construction Management			\$20,000
		TOTAL	\$20,000
		10.72	Ψ20,000
Total Capital			\$967,887
Evene	<u> </u>		
Expense			
		TOTAL	\$0
Demolition			
		TOTAL	\$0
Total Project Cost			\$967,887
			180,1084
Contingency @ 10.0%			\$96,789
Grand Total of Project			\$1,064,676

Graphics Packaging International - Middletown, OH **407 Charles Street**

Middletown, OH 45042

Duke Energy - Ohio Mercantile Self Direct Program Project Name:

Acct: 9660-2038-02-2

greg.france@graphicpkg.com

513-464-6600 **Greg France**

Middletown Mill #4 & #5 IR Dryers & Controls

	The second secon				
Vendor	Address	Invoice Date	Invoice #	Cost	GPI PO#
Marsden Inc.	6800 Westfield Ave, Pennsauken, NJ 08110-1532	11/19/2019	00013331	\$ 138,555.14	4504967073
Marsden Inc.	6800 Westfield Ave, Pennsauken, NJ 08110-1532	3/25/2019	00013413	\$ 92,370.10	4504967073
Marsden Inc.	6800 Westfield Ave, Pennsauken, NJ 08110-1532	3/25/2019	00013342	\$ 2,215.00	4505022511
Marsden Inc.	6800 Westfield Ave, Pennsauken, NJ 08110-1532	8/11/2019	00013526	3,956.92	4505106421
Assoc Prof Engineering Consultants LLC	204 Hiawatha Trail, Springboro, OH 45066	5/28/2019	20190135	\$ 2,187.82	4505046900
Assoc Prof Engineering Consultants LLC	204 Hiawatha Trail, Springboro, OH 45066	5/28/2019	20190134	\$ 3,636.98	4505046900
Assoc Prof Engineering Consultants LLC	204 Hiawatha Trail, Springboro, OH 45066	6/10/2019	20190147	\$ 7,235.71	4505046900
Assoc Prof Engineering Consultants LLC	204 Hiawatha Trail, Springboro, OH 45066	4/1/2019	20190084	\$ 4,277.83	4505046900
Assoc Prof Engineering Consultants LLC	204 Hiawatha Trail, Springboro, OH 45066	3/18/2019	20190070	\$ 2,465.39	4505046900
Assoc Prof Engineering Consultants LLC	204 Hiawatha Trail, Springboro, OH 45066	4/15/2019	20190095	\$ 6,713.47	4505046900
Matlock Electric Co Inc	2780 Highland Ave, Cincinnati, OH 45212-2408	7/8/2019	0071341	\$ 14,645.00	4505050563
Cornerstone Controls Inc	7171 E Kemper Rd, Cincinatti, OH 45249-1028	4/23/2019	0969506600	\$ 2,793.73	4505057706
Fabricator Inc Eli Martin	7110 Morgan Rd, Cleves, OH 45002-9767	4/29/2019	149223	\$ 36,022.00	4505064600
Rosemount Inc.	8200 Market Boulevard, Chanhassen, MN 55317	7/10/2019	71488626	\$ 14,714.68	4505091139
Ohio Insulation	PO Box 751465, Dayton, OH 45475	8/26/2019	11499	\$ 22,320.00	4505099553
Ohio Insulation	PO Box 751465, Dayton, OH 45475	8/26/2019	11498	\$ 2,083.00	4505119464
Complete Mechanical Svcs	11398 Grooms Rd, Blue Ash, OH 45242	3/27/2019	06-22550	\$ 3,425.00	4505041069
Complete Mechanical Svcs	11398 Grooms Rd, Blue Ash, OH 45242	5/30/2019	06-22814	\$ 36,270.00	4505064610
Complete Mechanical Svcs	11400 Grooms Rd, Blue Ash, OH 45242	6/7/2019	06-22881	\$ 2,699.20	4505050560
Complete Mechanical Svcs	11401 Grooms Rd, Blue Ash, OH 45242	5/31/2019	06-22844	\$ 3,821.34	4505050560
Complete Mechanical Svcs	11402 Grooms Rd, Blue Ash, OH 45242	5/17/2019	06-22797	\$ 7,556.49	4505050560
0.000 m = 0.000		Invoi	Invoices attached total	\$ 409,964.80	

Walt Dindoffer

Walt@DMSidwest.com

419-944-8565



Major Invoices only included - others available upon request

Project total: \$ 1,028,000.00

MARSDEN, INC.

6800 WESTFIELD AVE. PENNSAUKEN, NJ 08110-1532 TAX ID# 22-1816030

Invoice

Date	Invoice #		
11/19/2018	00013331		

Bill To

GRAPHIC PACKAGING INTERNATIONAL INC> PO BOX 35800 WEST MONROE, LA 71294 ATTN: ACCTS, PAYABLE

Ship To

GRAPHIC PACKAGING INT'L INC 407 CHARLES ST MIDDLETOWN, OH 45042

	Des	cription		Amount
IR SYSTEM MODIFICATIONS & ENGINERING: S 149,550.00				
SYSTEM PHASES: 60% WITH APPROVAL DRAW NOVEMBER 9, 2018, NET 60 40% UPON READY FOR SHIP TOTAL	0,00 138,555.14 0,00 138,555.14			
			Total	√\$138,555,14
P.O. No.	Terms	Project	Payments/Credits	\$0,00
4504967073	Net 30	P-9554	Balance Due in USD	\$138,555.14

MARSDEN, INC.

Invoice

6800 WESTFIELD AVE. PENNSAUKEN, NJ 08110-1532 TAN 1D# 22-1816030

Date	Invoice #		
3/25/2019	00013413		

Bill To

GRAPHIC PACKAGING INTERNATIONAL INC> PO BOX 35800 WEST MONROE, LA 71294 ATTN: ACCTS, PAYABLE

Ship To

GRAPHIC PACKAGING INT'L INC 407 CHARLES ST MIDDLETOWN, OH 45042

	Amount			
## Description IR SYSTEM MODIFICATIONS & ENGINERING: - EIGHT (8) 4x4 VIBRATION ISOLATORS FOR BLOWER & FAN - ONE (1) MAIN GAS VALVE & PRESSURE REGULATOR - TWELVE (12) FLEX DUCTS & HOSES - ONF (1) EXHAUST THERMOCOUPLE - SEVEN (7) PRESSURE SWITCHES - ONE LOT (1) 200 FT. IGNITION WIRE - ONE LOT (1) 200 FT. FLAMEROD WIRE - ONE (1) REPLACEMENT OF PANEL - ONE (1) REPLACEMENT OF PANEL - ONE (1) ED17584-2. COMBUSTION SUPPORT SKID - TWO (2) FD19156. AIR DELIVERY BOX, SST - TWO (2) FC 19934-5. DRIVE SIDE END FRAME - TWO (2) 4MA CYLINDER/ACCESSORIES. RETRACTION CYLINDER 1.940.00 - 4.944.24				
TOTAL SYSTEM PRICE \$230,925.24 X 40% SYSTEM PHASES: 60% WITH APPROVAL DRAWINGS. TO BE SUBMITTED ON OR AFTER POVEMBER 9, 2018. NET 60 10% UPON READY FOR SHIPMENT, NET 60 TOTAL				
			Total	\$92,370.10
P.O. No.	Terms	Project	Payments/Credits	\$0.00
	 			

MARSDEN, INC. 6800 WESTFIELD AVE. PENNSAUKEN, NJ 08110-1532 LAX ID# 22-1816030

Invoice

Date Invoice # 3/25/2019 00013412

Bill To

GRAPHIC PACKAGING INTERNATIONAL INC> PO BOX 35800 WEST MONROE LA 71294 ATTN ACCIS PAYABLE Ship To

GRAPHIC PACKAGING INT'L INC 407 CHARLES ST MIDDLETOWN, OH 45042

Sales Rep	F.O.B.	Ship Date	Shipped Via	Terms	1	P.O. Number	Project
		3/25/2019	XPO - COLLECT	Net 30		4505022511	P-9624
Quantity	Item Number (D) 1769 1F4		Description			Unit Price	Amount
1	(0) 1769 17-1	Add 8 Channel	Isolated Analog PLC Ca	rd		2,215.00	2,215.00

Invoice:

06-22550



11389 Grooms Road 8kue Ash, OH 45242 Office 513.489.3080 Fax 513.489.3092

SOLD

TO:

Graphic Packaging Internationa Attn: Accounts Payable

P.O. Box 35800

West Monroe, LA 71294-5800

TO: Natural Gas Piping

Perecial trade	a. POPUBLE	[12] 建建筑设置的线圈的	Paragraph Research	The state of the s	200
GRAPHIC	4505041069	190177.1	Net 60	3/27/2019	1

和约约20 基 是	National Property	· Total (Mark 1981) F E I F E	បញ្ជីក្រុង ម៉ែង	Str Man
	1	Labor, Materials and Equipment for Natural Gas Piping.	3,425.00	3,425.00*
		Contract Amount \$6850.00		
		Completed to Date		

^{*} means item is non-taxable

TOTAL AMOUNT

3,425.00



Associated Professional Engineering Consultants, LLC

204 Hiawatha Trail, Springboro, OH 45066 Phone (937) 746-4600 Fax (937) 746-5569

May 28, 2019

GRAPHIC PACKAGING INTERNATIONAL ATTN: ACCOUNTS PAYABLE

PO BOX 35800

WEST MONROE, LA 71294-5800

Invoice # 20190135

From 5/11/2019 Thru 5/24/2019

In Reference

Job 19008 - ANNUAL SUPPORT FOR IR PROJECT

To:

P.O. 4505046900

Professional services

	Hours	Amount
Curtis J. Marshall James Sean Roberts	5.50 7.00	570.79 726.46
Steven R. Thomas	7.00	867.37
For professional services rendered Additional charges:	19.50	\$2,164.62
Daily Expenses - Mileage		23.20
Total costs		\$23.20
Total amount of this bill	J	\$2,187.82
		37

All amounts are due in 30 days and will be assessed a charge of 1.5% per month for late payment. Please make the check payable to APEC and forward to the address above. We appreciate the opportunity to be of service to you and are looking forward to being of service in the future.

Remit To Address: Durham Funding

for the account of:

Associated Professional Engineering Consultants, LLC

101 Sully's Trail, Bldg. 20 Pittsford, NY 14534

APEC Job No.: 19008 5/11/2019 Thru 5/24/2019



Associated Professional Engineering Consultants, LLC

204 Hiawatha Trail, Springboro, OH 45066 Phone (937) 746-4600 Fax (937) 746-5569

June 10, 2019

GRAPHIC PACKAGING INTERNATIONAL ATTN: ACCOUNTS PAYABLE

PO BOX 35800

WEST MONROE, LA 71294-5800

Invoice # 20190147

From 5/25/2019 Thru 6/7/2019

In Reference

Job 19008 - ANNUAL SUPPORT FOR IR PROJECT

To:

P.O. 4505046900

Professional services

Hours	Amount
14.00 26.00 24.00	1,452,92 2,698,28 2,973.84
64.00	\$7,125.04
	20.77 89.90
	\$110.67
	\$7,235.71
	14.00 26.00 24.00

All amounts are due in 30 days and will be assessed a charge of 1.5% per month for late payment. Please make the check payable to APEC and forward to the address above. We appreciate the opportunity to be of service to you and are looking forward to being of service in the future.

Remit To Address: Durham Funding for the account of:

Associated Professional Engineering Consultants, LLC

101 Sully's Trail, Bldg. 20 Pittsford, NY 14534

APEC Job No.: 19008

5/25/2019 Thru 6/7/2019



11399 Grooms Road Blus Ash, OH 45242 Office 513,489,3080 Fax 513,469,3082

SOLD Graphic Packaging Internationa
TO Attn: Accounts Payable
P.O. Box 35800

West Monroe, LA 71294-5800

SHIP

IR Prep Work & Installation of

्राट्रम्स् स्ट्रा		inesinesia.	UNESTATES I ME	INVEHO PLANT
GRAPHIC	4505050560	190250.1	Net 60	5/31/2019 1

TEALING.	TEANERY.	PRINCE IN COL	SAFE PERSON	15,915,810,50
	1	Labor, Materials and Equipment for IR Prep Work & Installation of IR Units 4&5 thru 5-24-19:	0.00	0.00*
		NTE Amount \$46636.00 Less Prev Invoice \$ 7556.49 Current Invoice \$ 3821.34 Remaining \$35258.17		
as a graph of the state of the	37.5	Super	68.00	2,550.00*
	_ 1	Materials	785.87	785.87*
	1	12% M/U	35.36	35.36*
	1	4.5% M/U	150.11	150.11*
STD TOOLS	1	Std. Equipment	300.00	300.00*

^{*} means item is non-taxable

TOTAL AMOUNT

3,821.34



11399 Grooms Road Blue Ash, OH 45242 Office 513,489,3080 Fax 513.489.3082

SOLD Graphic Packaging Internationa

SHIP TO

IR Prep Work & Installation of

TO Attn: Accounts Payable P.O. Box 35800

West Monroe, LA 71294-5800

		现分是 SEEEEEEEEEEEEEEEEE	HAMO CISORATE TAKE
GRAPHIC 4505050560	190250.1	Net 60	6/7/2019

THE WAR	T. MOGRANISTY.		University :	EXTENDED
	1	Labor, Materials and Equipment for IR Prep Work & Installation of IR Unit 4&5 thru 5-31-19.	0.00	0.00*
		NTE Amount \$46636.00 Less Prev Invoice \$11377.83 Current Invoice \$ 2699.20 Remaining \$32558.97		
	3	Super	68.00	204,00*
	31	Fitter/Welder	65.00	2,015.00*
	1	Materials	133.34	133,34*
	1	12% M/U	16.00	16.00*
	1	4.5% M/U	105.86	105.86*
STD TOOLS	1	Std. Equipment	225.00	225.00*

^{*} means item is non-taxable

TOTAL AMOUNT

2,699.20



11399 Grooms Road Blue Ash, OH 45242 Office 513,489,3080 Fax 513,489,3082

Graphic Packaging Internationa
Attn: Accounts Payable
P.O. Box 35800
West Monroe, LA 71294-5800

SHIP

IR Prep Work & Installation of

\$3,000 B 100	ो हिर्माल क्रिक	SETE VIEW	10元至20年的	THERE	TWO CENTE	1955
GRAPHIC	4505050560	190250.1		Net 60	5/17/2019	1

国际制造的	61125119	2.4.20日曜	-एशिक्षासम्ह	(National)
	1	Labor, Materials and Equipment for IR Prep Work & Installation of IR Units 4&5 thru 5-10-19: NTE Amount \$46636.00	0.00	0.00*
	23	Foreman	68.00	1,564.00*
	20	Fitter/Welder	65.00	1,300.00*
	1	Materials	3,659.75	3,659.75*
	1	12% m/U	439.17	439.17*
	1	4.5% M/U	293.57	293.57*
STD TOOLS	1	Std. Equipment	300.00	300.00*

^{*} means item is non-taxable

TOTAL AMOUNT

7,556.49



11399 Grooms Road Blue Ash, OH 45242 Office \$13,489,3080 Fax \$13,489,3082

SOLD Graphic Packaging Internationa
TO Attn: Accounts Payable

P.O. Box 35800

West Monroe, LA 71294-5800

IR Prep Work & Installation of SHIP TO

AND CONTROL PORTER	DEED SHIPE	ार्क्स स्थान स्थानम् । सन्तर्भातः	LINEXOIGE PAYER	PACE
GRAPHIC 45050	50560 190250.1	Net 60	6/13/2019	1

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	1	Labor and Equipment for IR Prep Work & Installation of IR Unit 4&5 thru 6-7-19: NTE Amount \$46636.00 Less Prev Invoice \$14077.03 Current Invoice \$927.72 Remaining \$31631.25	0.00	0.00*
	12	Foreman	68.00	816.00*
	1	4.5% M/U	36.72	36.72*
STD TOOLS	1	Std. Equipment	75.00	75.00*

^{*} means item is non-taxable

TOTAL AMOUNT

927.72

Invoice

Invoice Number

0071341

Invoice Date

Jul 8, 2019

Supply Date

May 20, 2019

Currency

USD (US Dollar)

Purchase Order

4505050563

Payment Terms

90 days net

Supplier

MATLOCK ELECTRIC CO INC

2780 HIGHLAND AVE

CINCINNATI, OH 45212-2408

US (United States)

513-673-9510

513-731-9646

Customer

Graphic Packaging International LLC 1500 Riveredge Parkway NW

ATLANTA, GA 30328

US (United States)

Ship To Graphic Packaging International 407 Charles Street, Dock # 9 Middletown, OH 45042 US (United States)

Phone

513-424-4200

Fax

513-424-4325

#	PO Item	Description	Unit	Qty	Unit Price	Line Total
1	10	LAB & MAT TO RECONDITION 25HP & 40HP FAN	DOL	12,000	\$1.00	\$12,000.00
2	20	CHANGE ORDER PO#4505050563	DOL	2,645	\$1.00	\$2,645.00

 Subtotal
 \$14,645.00

 Total Tax Amount
 \$0.00

 Invoice Amount
 \$14,645.00



Invoice

Involce Number

CD99056960

Invoice Data

Apr 23, 2019

Supply Date

Apr 23, 2019

Currency

USD (US Dollar)

Purchase Order

Payment Terms

4505057706

30 days net

Supplier

CORNERSTONE CONTROLS INC

7131 E KEMPER RD

CINCINNATI, OH 45249-1028

US (United States)

513-489-2500

513-489-3693

Customer

Graphic Packaging International LLC

1500 Riveredge Parkway NW

ATLANTA, GA 30328 US (United States)

Customer Tax Identifier

35-2156544

Ship To Graphic Packaging International 407 Charles Street, Dock # 9 Middletown, OH 45042 US (United States)

Phone

513-424-4200

Fax

513-424-4325

Line Items

H	PO Item	Description	Unit 17	Qty	Unit Price	Line Total
1	10	SENSEPOINT CO GAS ANALYZER	DOL	2,776.92	\$1.00	\$2,776.92

Additional Items

	100110			
#	Description	Туре	Amount	Total
1	Freight	Charge	\$16.81	\$16.81

Line Item Subtotal \$2,776.92

Additional Items Subtotal

Subtotal \$2,793,73

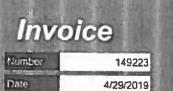
\$16.81

Total Tax Amount \$0.00

Invoice Amount 52,793 73



Fabricor, Inc El Martin 27110 Margen Rt. Olevez OH 45002-9767



Bill To

Graphic Packaging International Inc. Attn. Account Payable PO Box35800 West Monroe, LA, 71294-5800

Ship To

Graphic Packaging International Inc. Middletown Mill (Plant 0034) 407 Charles Street, Dock #9 Middletown, OH, 45042

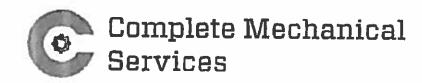
PO Number	Terms	Customer#	Service Rep	Project
4505064600	2%15days, Net 60 Day	SAP Vender #69802		

Description	Quantity/Hours	Price/Rate	Amount
VE 3008 MQ Controllers	2.00	\$6,518.00	\$13,036.00
VE 3009 Power Supplies	2.00	\$832.00	\$1,664.00
VE 3051 Power Carriers	2.00	\$200.00	\$400.00
PK 0100R PK VIM Module Assm	1.00	\$13,200.00	\$13,200.00
VE 4027 Virtual I/O Module	2.00	\$3,861.00	\$7,722.00

Amount Paid	\$0.00	Discount	\$0.00
Amount Due	\$36,022.00	Shipping Cost	\$0.00
		Sub Total	\$36,022.00

Total \$36,022.00

0 - 30 days	31 - 60 days	61 - 90 days	> 90 days	Total
\$36,022,00	\$0.00	\$0.00	\$0.00	\$36,022.00



11399 Grooms Road Blue Ash, UH 45242 Diffice \$13,489,2080 Fax \$13,489,3082

SOLD Graphic Packaging Internationa

TO Attn: Accounts Payable

P.O. Box 35800

West Monroe, LA 71294-5800

SHIP I/R Coating Steel Project

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GRAPHIC	4505064610	190321.1		Net 60	5/30/2019	1

1	Labor, Materials and Equipment for I/R Coating Steel Project.	36,270.00	36,270.00*
	Contract Amount		

^{*} means item is non-taxable

TOTAL AMOUNT

36,270.00

EMERSON

ROSEMOUNT INC. 8200 MARKET BOULEVARD CHANHASSEN MN 55317 UNITED STATES

Tax Reg No: 41-0766812

satisfaction survey on your Invoice process.

Invoice - Original

Mail Inv	oice To:					150081358		Invoice Da 10-JUL-201		Invoice 714886		e Date: 3-AUG-2019
GR	IAPHIC PACK	AGING INTER	RNATIONAL II	NC				Payment T Payment do	erms: ue in 30 c	avs		
WE	BOX 35800 ST MONROE ITED STATES	LA 71294-58	00					Rep Order			Sales On 4150-104	der No: 95-5576077
	: ACCOUNTS F	-						Customer 450509113		mber:		
								Project No.	:			
Invoice In Tel: 800-9		ANDER, NA	NCY			Customer/Buye	r: W	nisman,Anne				
Fax: 952-9 Email: NA		DER@EMER	SON.COM									
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Ship Date:		Shipment N	lo:	Freight Payn	nent T	erms:					voice No:	
10-JUL-19 Customer	Order Line	60829376 Invoice Line		Inland(Origin	n): Pre	paid And Add To	lavol	ce	Tracki	j	- 1000	
Line No	No 1,1	No				ription			Qŋ		Unit Price (USD)	Total Amount (USD)
10		1	Compact On UOM: Each US ECCN / 1	151SFC1CS020N065T32JA1A3E5M5 2 7,351.07 3 7,351.07 3 7,3				7 14,702,14				
			2	WIRE :	19SH	E0011196	US	3				
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Please Remit ROSEMOUN PO BOX 730 DALLAS TX UNITED STA	IT INC. 1156 75373-0156			—				Frei	Si ght & Ha	ubtotal (l ndling (l Tax (li Total (l	JSD): ISD) :	14,702 14 12.54 0.00 14,714.68
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Dollars and Six	dy Eight Cents (housand Seven (USD)			vice -	xcellence. Plea	me -1	iak USDS	anti-	10		
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Ohio Insulation

INVOICE

Date	Invoice #
08/26/2019	11499

Bitl To;	
GRAPHIC PACKAGING INTERNATIONAL PO BOX 35800 WEST MONROE, LA 71294-5800	

Customer P.O #	Terms	Cily	Custo	mer Project	Job#
4505099553	Net 90	MID	5308 - #4 &	5 IR DUCTWORK	
	Descriptio			Unit Price	Amount
BILLING FOR INSUL	ATION INSTALLED 1	O DATE.		22,320.00	22,320,00
				Balance Due	\$22,320,00 /

Phone #	Fex#	E-mail
937-274-7700	937-274-3068	admin@ohioinsulationmfgco.com

Invoice

MARSDEN, INC. 6800 WESTFIELD AVE. PENNSAUKEN, NJ 08110-1532 TAX ID# 22-1816030

Date	Invoice #
8/11/2019	00013526

Bill To

GRAPHIC PACKAGING INTERNATIONAL INC>

PO BOX 35800

WEST MONROE, LA 71294 ATTN: ACCTS. PAYABLE

Shi	p To
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GRAPHIC PACKAGING INT'L INC 407 CHARLES ST MIDDLETOWN, OH 45042

Sales Rep	Terms	P.O. Number	Ship	Via	F.O.B.	Project
	Net 30	4505106421	8/11/2019			V-9756
Quantity		Desc	ription		Price Each	Amount
7.0 3.0 5.0 1.2 1.2 1.2 1.2 1.2 90.0	7/30/19 TRAVEL TIME 7/29/19 - 8.0 HOR 7/29/19 - 7.0 HOR 7/30/19 - 3.0 HOR WORK TIME 7/30/19 - 5.0 HOR TOTAL TRAVEL R EXPENSES: AIRFARE: CAR RENTAL: FOOD: LODGING: AIRPORT PARK: TOLLS:	90 MILES @ .60/MII	R HOUR R HOUR (OT) R HOUR	CHER 7/29/19 -	120.00 140.00 120.00 120.00 120.00 120.00 308.67 34.20 148.40 72.00 5.00 0.60 0.00	960.00 980.00 360.00 600.00 2,900.00 370.40 41.04 178.08 86.40 6.00 54.00 3,965.92
ļ				PAYABLE IN US		
				DOLLARS	Balance Due:	\$3,965.92

PO Box 751465 Dayton, OH 45475

Ohio Insulation

INVOICE

Date	Invoice #
08/26/2019	11498

Bill To;	
GRAPHIC PACKAGING INTERNATIONAL PO BOX 35800 WEST MONROE, LA 71294-5800	

Customer P.O #	Terms	City	Custo	mer Project	Job#
4505119464	Net 90	MID	5308 - #4 &	5 IR DUCTWORK	
	Description			Unit Price	Amount
BILLING FOR INSULA	TION INSTALLED TO	DATE		2.083.00	2,083 00
			<u> </u>	Balance Due	\$2,083.0

Phone #	Fax#	E-mail	
937-274-7700 937-274-3068		admin@ohioinsulationmfgco.com	



Gas IR Drying System

Offer#GP102114-GJL

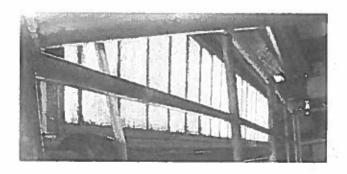
For



Middletown Boxboard Mill Middletown, OH

"Marsden IR System 3rd Drying Frame Add-On"

40" MD Gas IR Drying Frame



Submitted By: Gerard J. Lucidi Title: President & CEO

Date: October 21, 2014

MARSDEN, INC. prepared this offer, and all referenced documents, for the exclusive of Graphic Packaging International No reproduction, alteration or disclosure of any of this offer's contents, outside of the intended user, is allowed without prior written consent from MARSDEN, INC.

MARSDEN

Gas IR Drying Frame Offer#GP102114-GJL for



Proposal Index

Section		Page No.
1.0 -	Scope of Supply	3
2.0 -	Optional Equipment	4
3.0 -	Engineering and Design	4
4.0 -	Facilities Required	5
5.0 -	Start-Up Services	5
6.0 -	Price Summary	6
7.0 -	Marsden System Guarantees	7
8.0 -	Technical Assistance	8
9.0 -	Conditions of Sale	9-10

Gas IR Drying Frame Offer#GP102114-GJL



1.0 - Scope of Supply

One Marsden Gas IR Drying Frame containing the following features and equipment:

1.1 - <u>Drying Frame</u>

One (1) 40" MD x 126" CD Gas IR Coating Drying Frame will be supplied. The Drying Frame will have nine (9) 40" MD x 14" Marsden Modular IR Emitters. The Drying Frame will be operated from the existing controls supplied as part of the initial installation.

The Drying Frame will have stainless steel, dropped, insulated ends for rope protection.

The ignition will use a direct spark ignition system with a proving pilot as is currently installed on the existing IR Drying Frames.

1.2 - <u>Drying Frame Retraction</u>

Clamshell retraction of the Drying Frame will be achieved by using a pneumatic cylinder to move the frame away from the sheet. Flexible connections (3' of each) are provided for piping and ducting from the Drying Frame to field mounted piping and exhaust header.

1.3 - Air Scrubbing System

The Drying Frame is equipped with an air scrubbing system consisting of air delivery nozzles on one end of the Drying Frame and an exhaust box on the opposite end of the Drying Frame.

1.4 - Add-On Combustion Equipment

- -- One (1) Honeywell Flame Safeguard
- One (1) Ignition Transformer

1.5 - Support Frames

Tubular steel frame with flanges mount to exiting machine framework to support the IR Rows in location parallel to the sheet. Approval drawings will show Marsden-supplied framework.

1.6 - Preassembly, prewiring and prepiping

Of all equipment as feasible for shipment. Loose assemblies will be specified for shipment.



Gas IR Drying Frame Offer#GP102114-GJL



2.0 - Optional Equipment

2.1 - 14" CD Profiling Zones

The Drying Frame can be equipped to provide CD zone control for moisture profile control. Profiling actuators will allow for the individual control of each emitter providing 14" CD moisture profile control.

A customer supplied 4-20 mA signal will adjust the output of each individual emitter. Additional I/O will be supplied by Marsden as well as reprogramming the PLC to accommodate this control.

3.0 - Engineering and Design

3.1 - Drawings

Mechanical layout, piping, ducting, electrical schematics and assembly drawings will be provided.

Drawings will be submitted for approval regarding scope of work and dimensions.

Drawings will be submitted per the following schedule:

Approval Drawings:

4-6 weeks after receipt of PO

Certified Drawings:

2 weeks after acceptance of Approval Drawings

As-Built Drawings:

2 weeks after shipment

Approval drawings will contain the date in which drawings must be returned to Marsden, to maintain the promised delivery date. Delays in returning approval drawings may affect promised ship dates.

AutoCAD version 2014 provided for the above drawings.

3.2 - Quality Assurance & Control

Marsden, Inc. attained its ISO 9001 Certification in November of 1996. Its Quality Policy ensures the continuous commitment to being the preferred supplier of gas infrared heating equipment used in industrial applications by delivering our product to our customers which sets the standard in the industry for safety, performance, reliability and value.

Marsden also successfully completed the required testing to apply the CE Mark for systems installed within the European Union.



Gas IR Drying Frame Offer#GP102114-GJL for



4.0 - Facilities Required - Customer Supplied

FACILITIES REQUIRED FOR 3rd DRYING FRAME:

4.1 -	Maximum Natural Gas Consumption:	- 2,811 CFH at less than 5 psi.
4.2 -	Combustion Blower	- Existing
4.3 -	Exhaust Fan	- Existing
4.4 -	Ducting	- From module exhaust port to exhaust fan, including flexible ducting
4.5 -	Piping	- To and from main gas supply and Marsden-supplied assemblies (main gas train, secondary trains), and flexible piping
4.6 -	Wiring	- From control panel to gas valves, solenoid valves, flame rods, spark plugs, ignition transformers, IR Sensors. Marsden stocks high temperature flame rod and high temperature, high voltage ignition transformer wire.
4.7 -	<u>Other</u>	- Motor starters, enclosure for ignition transformers, compressed air line, roof outlet for exhaust fan .
4.8 -	Signals	- Minimum speed, coating present, remote emergency stop, sheet break, and loss of tension signals
<u>NOTE</u> -	Facilities required are subject to engi- customer-supplied items.	neering changes. Approval drawings will show all

5.0 - Start-Up Services

Marsden can provide a start-up technician for up to three (3) weekdays for System check-out and to supervise personnel commissioning the Marsden Drying Frame. Additional start-up service days, as requested by written order, will be billed per the attached Technical Assistance Sheet.



MARSDEN

Gas IR Drying Frame Offer#GP102114-GJL



6.0 - Price Summary

6.1 - Drying Frame Pricing:

Price:

\$109,997.

6.2 - 14" CD Profiling Zones:

Price:

\$25,398.

6.3 - Terms of Sale:

Thirty percent (30%) included with purchase order, Net 30

Thirty percent (30%) upon submittal of Approval Drawings, Net 30

Thirty percent (30%) prior to shipment, Net30

Ten percent (10%) after successful start up, not to exceed 60 days from delivery.

6.4 - Shipping:

Ex Works, Marsden, Inc., Pennsauken, NJ. All freight, duties and taxes are to be paid by Buyer.

- 6.5 The above prices are valid for a period of sixty (60) days from the date of this proposal.
- 6.6 Shipment:

Sixteen to eighteen (16-18) weeks from receipt of PO. Firm ship date will be mutually agreed upon at placement of order.

6.7 - Included as part of this offer are Marsden's Conditions of Sale.

Gas IR Drying Frame Offer#GP102114-GJL



7.0 - Marsden System Guarantees

7.1 - MARSDEN INFRARED EMITTER 5-YEAR GUARANTEE

Marsden offers a five-year guarantee on the emitter against backfire or burnout.

No Service Plan Required.

7.2 - MARSDEN INFRARED SYSTEM 2-YEAR GUARANTEE

Marsden guarantees a two-year "bumper-to-bumper" guarantee on all Marsden supplied devices.

No Service Plan Required.

7.3 - MARSDEN IGNITION RELIABILITY GUARANTEE

The Marsden ignition system is very reliable. With normal quarterly maintenance, the Emitters will light with excellent reliability.

No Service Plan Required.

MARSDEN

Gas IR Drying Frame Offer#GP102114-GJL



8.0 - MARSDEN, INC. - Technical Assistance

Start-Up / Service Technic	Monday –Friday	Saturday	Sunday/Holidays
Ist - 8th hrs. **	\$115.00/hr.*	\$135.00/hr.*	\$157.50/hr.*
9th - 12th hrs. **	\$135.00/hr.*	\$157.50/hr.*	\$190.00/hr.*
Site Engineer:			
Ist - 8th hrs. **	\$135.00/hr.*	\$157.50/hr.*	\$185.00/hr.*
9th - 12th hrs. **	\$157.50/hr.*	\$185.00/hr.*	\$200.00/hr.*
Consulting Specialist:			
Ist - 8th hrs. **	\$168.00/hr.*	\$195.00/hr.*	\$221.00/hr.*
9th - 12th hrs. **	\$195.00/hr.*	\$221.00/hr.*	\$257,00/hr.*

portal-to-portal, plus transportation and vouchered expenses at cost plus 20%.

** automobile transportation to be reimbursed at \$.60 per mile.

Minimum Billing:

Eight Hours Per Day

Terms:

Payable upon receipt of invoice.

Cancellations:

Scheduled service calls that are cancelled or rescheduled, with less than 72 hours advance notice before the scheduled date, will be billed at the minimum rate which would have prevailed on the originally scheduled date each time a service call date is cancelled or

rescheduled.

Currency:

U.S. \$

The above Marsden personnel do not perform trade functions (i. e.: pipefitting, electrical wiring, millwright, etc. tasks). Normally such work is performed by the installing personnel. We will be pleased to provide a Quotation for such work as requested.





CONDITIONS OF SALE

- 1. Marsden, Inc. shall not be responsible nor deemed to be in default on account of delays in performance of this agreement due to causes which are beyond its control and not occasioned by its fault or negligence and which make its performance impracticable, including but not limited to civil wars, insurrections, strikes, riots, fires, floods, explosions, earthquakes, accidents, any act of government, allocation regulations or orders affecting materials, equipment, facilities or completed products, acts of God or the public enemy, failure of transportation, epidemics, quarantine restrictions, failure of vendors (due to causes similar to those within the scope of this clause) to perform their contracts or labor troubles causing cessation, slowdown, or interruption of work provided, such cause is beyond Marsden's reasonable control. The time of shipment named herein is made in good faith. Marsden, Inc. shall, accordingly, make a diligent effort to meet all schedules as set forth, but accepts no pecuniary liability for failure to do so.
- All prices quoted herein are guaranteed for sixty (60) days from date of proposal.
- Unless otherwise stated, this proposal has been figured on a straight-time basis and you agree to reimburse us in full for any additional labor costs incurred by us because of overtime work requested by you.

Any state, provincial or federal sales or use taxes which we may be required to pay, shall be charged to you at our direct net cost and are in addition to any prices quoted herein. All shipments shall be made F.O.B. our point.

4. If there are to be one or more deliveries under this proposal, settlement for each invoice shall be made in accordance with the terms of payment specified in the proposal. Transportation risks including fire or any other casualty, after delivery to the first common carrier, shall be the responsibility of the buyer and/or consignee. Claims for factory shortages shall not be considered unless made in writing to Marsden, Inc. within ten (10) days after receipt of the goods and accompanied by reference to our bill of lading and factory order numbers. As all goods are shipped at customer's risk, any claims for damage or shortage in transit must be filed by the customer against the transportation company.

- 5. If shipment or any other act or condition affecting payment for the goods or any part thereof shall be delayed on account of the buyer, payment therefore shall become due as if shipment has been made. In case of delay in shipment at the instance of the purchaser, a reasonable storage charge shall be made and such storage will be at the risk of the buyer.
- 6. We guarantee that the goods manufactured by us shall be of first class materials and workmanship, made in conformance to standard industry practices. Outside purchased equipment and accessories, if any, are guaranteed only to the extent of the original equipment manufacturers guaranteed. The guarantee period of the goods, except as otherwise limited by such original equipment manufacturer's guarantee, is one (1) year from the date of shipment, unless the parties otherwise agree in writing.

Any claims in connection with our guarantees must be submitted in writing within fifteen (15) months after shipment and our liability with respect to any such guarantee shall be limited, at our option, either to repayment of the purchase price received by Marsden, Inc. for the goods involved or to the repair thereof or the replacement therefore of goods conforming to such guarantees.

SHORTAGES:

Claims for shortages and/or incorrect shipments will not be considered unless reported in writing to the seller within ten (10) days after receipt of equipment.

RETURN OF PARTS OR EQUIPMENT TO COMPANY PLANT:

Customer is encouraged to inspect equipment prior to shipment. Permission to return any parts or equipment must be obtained in writing, including an agreement as to which party shall bear the freight expense for said return, prior to shipment to Marsden, Inc.

TITLE AND RISK OF LOSS

Title and risk of loss of the equipment covered by this quotation shall pass from the seller to the buyer in accordance with the terms F.O.B., F.A.S., C & F. C.L.F., etc., as specified herein. On shipments within the Continental United States of America, these terms shall be interpreted according to the U.S. Uniform Commercial Code, and on shipments outside the Continental United States of America, these terms shall be interpreted according to the Revised American Foreign Trade Definitions of 1941.

CONDITIONS OF SALE

Under no circumstances will the seller be liable for the following; (a) Failures not reported within the guarantee period: (b) Failures or damage due to your negligence, accidents, abuse, improper installation (unless installation made by us), improper operation, or abnormal conditions of temperature, moisture, dirt or other general design parameters: (c) Equipment which has in any way been readjusted, altered, or repaired without our written consent: (d) Expenses incurred by you in an attempt to correct or repair any alteged defect without written consent: (e) Any losses, costs, expenses, liabilities and damages, including but without limitation to, loss of use or profits, damage to persons or property, any liabilities you may have to your customers or third persons, and all other special or consequential damages, whether direct or indirect.

No liability whatsoever of the seller shall attach until said products have been paid for in full, in accordance with the terms of payment of this proposal.

THE ABOVE GUARANTEE PROVISIONS ARE EXCLUSIVE AND IN LIEU OF ALL OTHER GUARANTEES EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY GUARANTEE OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

- 7. Title to all materials, systems, and system parts of this proposal shall remain in us until the full net price has been paid, whether or not said materials, systems and system parts become components of other systems or system parts.
- 8. Accepted orders are not subject to cancellation or change without our being reimbursed for any and all expenses including commitments we made to our suppliers or subcontractors. In the event of cancellation, you agree to pay such charges in full within thirty (30) days after our acceptance of said cancellation.
- 9. If this proposal includes installation or erection of any equipment, you are to furnish all labor and material to safely unload and store said equipment. You are to provide adequate protection against all weather conditions.

You agree to furnish all necessary cranes, hoists and scaffolding at the job site. Where erection of equipment necessitates the use of an existing crane, you agree to provide for our use of this crane or an adequate substitute during straight-time hours.

In the event such crane equipment is unavailable to us during straight-time hours, you agree to pay for the difference between overtime or premium labor hours and straight-time hours. We are not to be responsible in any way for excavations, foundations, masonry, supports, wiring, plumbing, or piping, or any portion of the cost thereof, or for the procurement of any licenses or permits therefor.

- 10. You agree to assume full responsibility for, and to provide and maintain adequate insurance against, loss or damage by fire or other cause on all equipment furnished by Marsden, Inc. in the amount of the installed value until full payment of the quoted price is made to us. We agree to cover all labor to be furnished by us from our payroll with worker's compensation insurance according to the laws of the state in which this contract is being performed, and with public liability insurance to such limits as we determine. You agree to carry any other compensation insurance for any other labor and such public liability and any other insurance which you deem necessary under this contract, and to provide in such policies against any right of subrogation against us (where possible without substantial extra premiums).
- 11. Any term or condition contained in any purchase order or other communication by customer which is at variance with these terms and conditions is agreed by customer to be superseded and controlled by those contained herein. No representations or guarantees other than those contained herein shall be binding upon us unless made in writing and signed by an authorized official of Marsden, Inc.

The proposal shall constitute the entire agreement between us, superseding all prior quotations and understandings, oral or written. Any questions regarding the interpretation or effect of the contract formed by your acceptance of this proposal and our approval is governed by the laws of the State of New Jersey.

12. Any stenographic and clerical errors contained herein are subject to our correction.



Gas IR Drying Systems & Services
For

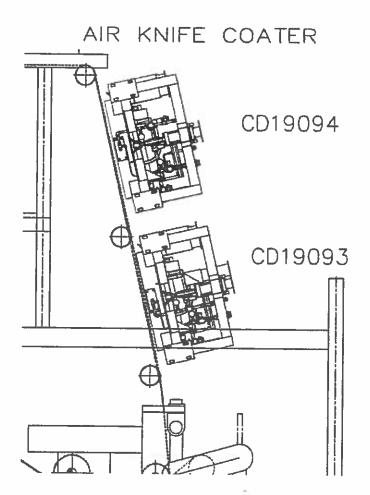


Marsden Gas IR Coating Drying System Proposed Services:

1) Summary of Proposed Modifications

Marsden offers to modify an existing Gas IR Coating Drying System currently installed at the Santa Clara Mill in order to fit the Middletown Mill machine to provide additional drying after the AirKnife Coater. The Drying Frames in Santa Clara are wider than the machine in Middletown so the IR Drying Frames need to be shortened or else high temperature (1800°F+) infrared will be directed towards ropes, external equipment, personnel, etc. The combustion support equipment, combustion blower and exhaust fan are adequately sized as is the control panel. The control panel will need some minor electrical changes but there is a PLC and color touchscreen available.

Overall, the two (2) 40" MD IR Drying Frames can be modified to provide additional drying after the AirKnife Coater. Heat transfer calculations will be provided upon receipt of existing process conditions (speeds, coat weights, coating solids, etc.)



2) Budgetary Offer:

The following components would need to be replaced or modified to accommodate the narrower sheet width:

- Main Support H Frames (replaced)

- Modular Emitter Backplates (replaced and will be the same as existing)

SANTA CLALE

- Exhaust Boxes (replaced)

- Air Delivery Boxes (modified)

- End Plates (retrofit existing continuous pilots with direct spark assemblies)

- Cooling Air Headers (replaced)

- Zero Regulator Vent Headers (replaced or modified)

- Main Air Header (replaced or modified)

- Gas Header (replaced)

- Emitters (replaced with same emitters as currently installed in the Middletown Mill)

The entire system would be shipped back to Marsden's manufacturing facility in Pennsauken, NJ where the Drying Frames would be retrofitted. The combustion support equipment and controls will be checked out for proper operation. Minor wiring changes in the control panel will be completed as well.

Engineering drawings will be issued to reflect all changes. A complete set of drawings will be issued for future reference and documentation purposes.

Budgetary Price: \$140,000 - \$150,000

(For comparison purposes, a new system with two (2) 40" MD x 126" IR Coating Drying Frames costs \$247,005 so by retrofitting the existing system there is a savings of roughly \$100,000.)

3) Lead Time

Fourteen – sixteen (14-16) weeks after receipt of order.

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in

Case No(s). 19-2158-EL-EEC

Summary: Application Application to Commit Energy Efficiency/Peak Demand Reduction Programs

(Mercantile Customers Only), Duke Energy, Infrared Paper Drying System electronically filed by Carys Cochern on behalf of Duke Energy