

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

Case No.: 11-3903-EL-EEC

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 implemented during the prior three calendar years.

Completed applications requesting the cash rebate reasonable arrangement option (Option 1) in lieu of an exemption from the 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 electric utilities' energy efficiency rider option (Option 2) will not qualify for the 60-day automatic approval.

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.

If you consider some of the items requested in the application to be confidential or trade secret information, please file a copy of the application under seal, along with a motion for protective order pertaining to the material you believe to be confidential. Please also file a copy of the application in the public docket, with the information you believe to be confidential redacted.

Section 1: Company Information

Name:J	JC Peı	nney, Inc.
Princip	al ad	dress:6501 Legacy Drive Plano, TX 75024
Addres Akron,		acility for which this energy efficiency program applies:2442 Romig Rd 44322
Name a x.234	and te	elephone number for responses to questions:Marcello Crestani 215-732-4480
		y use by our company (at least one must apply to your company—check r boxes that apply):
		We use more than seven hundred thousand kilowatt hours per year at our facility. (Please attach documentation.)
		We are part of a national account involving multiple facilities in one or more states. (Please attach documentation.)
		Section 2: Application Information
A)	We	are filing this application (choose which applies):
		Individually, on our own.
		Jointly with our electric utility.
B)	Our	electric utility is Ohio Edison
C)	We	are offering to commit (choose which applies):
		Energy savings from our energy efficiency program. (Complete Sections 3, 5, 6, and 7.)
		Demand reduction from our demand response/demand reduction program. (Complete Sections 4, 5, 6, and 7.)
		Both the energy savings and the demand reduction from our energy efficiency program. (Complete all sections of the Application.)



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Case No.: 11-3903-EL-EEC

State	of Ohio :			
	, Affiant, being duly sworn according	to law, depos	ses and says that:	
1.	I am the duly authorized representati	ive of:		
	[insert customer or EDU company nar	me and any appl	icable name(s) doing busines	ss as]
2.	I have personally examined all the including any exhibits and attachment persons immediately responsible application, I believe that the information	nts. Based up for obtaining	on my examination and g the information co	inquiry of those
3.	I am aware of fines and penalties wh Sections 2921.11, 2921.31, 4903.02, information.	•	•	
Signa	ture of Affiant & Title			
Sworr	n and subscribed before me this	_ day of	,	Month/Year
 Signat	ture of official administering oath		Print Name and Title	
Му со	ommission expires on			

Section 3: Energy Efficiency Programs

A)	Our	energy efficiency program involves (choose whichever applies):
		Early replacement of fully functioning equipment with new equipment. (Provide the date on which you replaced your fully functioning equipment, and the date on which you would have replaced your equipment if you had not replaced it early. Please include a brief explanation for how you determined this future replacement date (or, if not known, please explain why this is not known). See Exhibit 1 and Exhibit 2
		Installation of new equipment to replace equipment that needed to be replaced. We installed our new equipment on the following date(s): See Exhibit 2
		Installation of new equipment for new construction or facility expansion. We installed our new equipment on the following date(s): See Exhibit 2
B)	Ener	rgy savings achieved/to be achieved by your energy efficiency program:
	a)	If you checked the box indicating that your 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
	b)	If you checked the box indicating that you installed new equipment to replace equipment that needed to be replaced, then calculate the annual savings [(kWh used by less efficient new equipment) – (kWh used by the higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:
		Annual savings: 21,000kWh
		Please describe the less efficient new equipment that you rejected in favor of the more efficient new equipment. See Exhibit 1

	c)	If you checked the box indicating that new construction or facility expansion [(kWh used by less efficient new eq efficiency new equipment) = (kWh per calculations and record the results below	then calculate the annual savings uipment) – (kWh used by higher er year saved)]. Please attach your
		Annual savings:kV	Vh
		Please describe the less efficient new ed of the more efficient new equipment. S	
		Section 4: Demand Reduction/D	emand Response Programs
A)	Our	r program involves (choose which applie	s):
		Coincident peak-demand savings from	our energy efficiency program.
		Actual peak-demand reduction. (Attacof the peak-demand reduction). See Ex	-
		Potential peak-demand reduction (choo	ose which applies):
		Choose one or more of the following	ing that applies:
		to be counted as a capacity i	n program meets the requirements resource under a tariff of a regional (RTO) approved by the Federal tion.
		to be counted as a capacity	n program meets the requirements resource under a program that is m, which has been approved by the of Ohio.
B)		at is the date your peak demand reduction	on program was initiated? See
C)		nat is the peak demand reduction achieve ow calculations through which this was o	•
		21,000.00 kW See Exhibit 2	

Revised October 28th, 2010

Section 5: Request for Cash Rebate Reasonable Arrangement (Option 1) or Exemption from Rider (Option 2)

Under this section, check the box that applies and fill in all blanks relating to that choice.

Note: If Option 2 is selected, the application will not qualify for the 60day automatic approval. All applications, however, will be considered on a timely basis by the Commission.

A)	We are applying for:								
	Option 1: A cash rebate reasonable arrangement.								
	OR								
		on 2: An exemption from the cost recovery mechanism implemented e electric utility.							
B)	The value	of the option that we are seeking is:							
	Option 1:	A cash rebate reasonable arrangement, which is the lesser of (show both amounts):							
		X A cash rebate of \$ \$1,050 (Attach documentation showing the methodology used to determine the cash rebate value and calculations showing how this payment amount was determined).							
		OR							
		A cash rebate valued at no more than 50% of the total project cost, which is equal to \$ (Attach documentation and calculations showing how this payment amount was determined).							
	Option 2:	An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider.							
		An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider formonths (not to exceed 24 months).							

(Attach calculations showing how this time period determined).	was
OR	
Ongoing exemption from payment of the eleutility's energy efficiency/peak demand redurider for an initial period of 24 months because program is part of an ongoing efficiency program is practiced by our organization. (A documentation that establishes your organization ongoing efficiency program. In order to continue exemption beyond the initial 24 month period organization will need to provide a future applice establishing additional energy savings and continuance of the organization's energy efficiency program).	ction this that ttach tion's the your ation the
Section 6: Cost Effectiveness	
The program is cost effective because it has a benefit/cost ratio greater the (choose which applies):	han 1 using the
Total Resource Cost (TRC) Test. The calculated TRC value (Continue to Subsection 1, then skip Subsection 2)	lue is:
Utility Cost Test (UCT). The calculated UCT value is Subsection 2).	s: <u>1.8(Skip</u> to
Subsection 1: TRC Test Used (please fill in all blanks).	
The TRC value of the program is calculated by dividing th avoided supply costs (capacity and energy) by the sum of our and our electric utility's administrative costs to implement the	program costs
Our avoided supply costs were	
Our program costs were	
The utility's administrative 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 6474.

The utility's administrative costs were $\mathbf{0}$.

The utility's incentive costs/rebate costs were $\underline{1050}$.

Section 7: Additional Information

Please attach the following supporting documentation to this application:

- Narrative description of your 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 your program 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 you and the electric utility with regard to peak demand reduction;
 - 4) permission by you 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 you 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.

Mercantile Customer Project Commitment Agreement Cash Rebate Option

THIS MERCANTILE CUSTOMER PROJECT COMMITMENT AGREEMENT ("Agreement") is made and entered into by and between First Energy Corp. (Ohio Edison, its successors and assigns (hereinafter called the "Company") and ___JC Penney, Inc.__, Taxpayer ID No.__13-5583779_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 believes that it 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 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 A (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 the Public Utilities Commission of Ohio's ("Commission") September 15, 2010 Order in Case No. 10-834-EL-EEC, desires to pursue a cash rebate of some of the costs pertaining to its Customer Energy Project(s) ("Cash Rebate").

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 a Cash Rebate.

WHEREAS, in consideration of, and upon receipt of, said cash rebate, Customer will commit the Customer Energy Project(s) to the Company and will comply with all other terms and conditions set forth herein.

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, 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/or kW reductions

resulting from said projects for purposes of complying with the Statute. It is expressly agreed that Customer may use any and all energy related and other attributes created from the Customer Energy Project(s) to the extent permitted by state or federal laws or regulations, provided, and to the extent, that such uses by Customer do not conflict with said compliance by the Company.

- 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 appropriate, "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 cash rebate discussed in Article 3 below; and (ii) will not affect any of Customer's other requirements or obligations.
- 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 the Commission's standard 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" ("Joint Application") 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 Cash Rebate.

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 Cash Rebate and Annual Report. Upon Commission approval of the Joint Application, Customer shall provide Company with a W-9 tax form, which shall at a minimum include Customer's tax identification number. Within the greater of 90 days of the Commission's approval of the Joint Application or the completion of the Customer Energy Project, the Company

will issue to the Customer the Cash Rebate in the amount set forth in the Commission's Finding and Order approving the Joint Application.

- a. Customer acknowledges: i) that the Company will cap the Cash Rebate at the lesser of 50% of Customer Energy Project(s) costs or \$250,000; ii) the maximum rebate that the Customer may receive per year is \$500,000 per Taxpayer Identification Number per utility service territory; and iii) if the Customer Energy Project qualifies for a rebate program approved by the Commission and offered by the Company, Customer may still elect to file such project under the Company's mercantile customer self direct program, however the Case Rebate that will be paid shall be discounted by 25%; and
- b. Customer acknowledges that breaches of this Agreement, include, but are not limited to:
 - i. Customer's failure to comply with the terms and conditions set forth in the Agreement, or its equivalent, within a reasonable period of time after receipt of written notice of such non-compliance;
 - ii. Customer knowingly falsifying any documents provided to the Company or the Commission in connection with this Agreement or the Joint Application.
- c. In the event of a breach of this Agreement by the Customer, Customer agrees and acknowledges that it will repay to the Company, within 90 days of receipt of written notice of said breach, the full amount of the Cash Rebate paid under this Agreement. This remedy is in addition to any and all other remedies available to the Company by law or equity.
- 4. **Termination of Agreement**. This Agreement shall automatically terminate:
 - a. If the Commission fails to approve the Joint Agreement;
 - 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 Cash Rebate, 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.

- 5. **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.
- 6. **Taxes.** Customer shall be responsible for all tax consequences (if any) arising from the payment of the Cash Rebate.
- 7. **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:	If to the Customer:
FirstEnergy Service Company	
76 South Main Street	
Akron, OH 44308	
Attn: Victoria Nofziger	
Telephone: 330-384-4684	
Fax: 330-761-4281	
Email: <u>vmnofziger@firstenergycorp.com</u>	

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.

- 8. **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.
- 9. **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.
- 10. **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.

- 11. **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.
- 12. **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.
- 13. **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.
- 14. **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.

(Customer)	(Company)
Ву:	By:
Title:	Title:
Date:	Date:



MERCANTILE CUSTOMER SITE INFORMATION FORM									
APPLICANT INFORMATION									
SITE NAME:	J.C. Penney #3034	PUCO Docket #	11-3903						
Site Address:	2442 Romig Rd.	Site City:	Akron						
Site State:	Ohio	Site Zip code:	44322						
Customer Legal Name:	J.C. Penney Corporation Inc.	•							
Contact Person:	Marcello Phone: 215-732-4480x229 Email:	mcrestani@realwin	win.com						
FirstEnergy Customer Se	ervice Representative or Administrator's Name:		Phone:						
NAICS Number:	44 Applicant Taxpayer ID # (SSN/FEIN)	:	13-5583779						
	BUSINESS SPECIFIC INFOR	MATION							
year, the jcpenney brand shopping destination for retailer is transforming it	ne largest apparel and home furnishing sites on the Internet offers a wide array of private, exclusive and national brand discovering great styles at compelling prices. Traded as "J s organization to support its Long Range Plan strategies to sociates and rewards its shareholders.	ls which reflect the Com CP" on the New York St	npany's vision to be America's tock Exchange, the \$17.8 billion						
	OPERATIONAL INFORM	ATION							
Specify hours of operation	on per day (e.g. 8:00 AM - 5:00 PM): 10:00A	M - 9:00PM							
	Please describe any seasonal outages or ramp-ups applicable to your business below:								
	CUSTOMER ACKNOWLED PLEASE CHECK BOXES I								
V	I UNDERSTAND THAT THE PROJECT(S) REPORT INDEPENDENT EVALUATION CONTRACTOR TO USE CONDITIONS.	ED IN THIS DOCUME							
V	I UNDERSTAND THAT ALL CUSTOMER NUMBER LOCATED WITHIN ONE SITE AS DEFINED HEREI		N THIS APPLICATION MUST BE						



Customer Usage Summary

Total Site Baseline Usage Information ¹

Year	Billed kWh	Weather Adjusted	Total Billed \$
2008	0	0	\$0
2009	0	0	\$0
2010	2,180,000	2,180,000	\$74,872

Average

(1) These numbers will be used to establish the baseline usage for calculation of the potential exemption period for this site

Total Site Baseline Usage Information by Customer Number

	Total Site Baseline Usage Information by Customer Number											
										5.	/28/10 - 5/26-11	
Account Assignment Number	Customer Number	Address	Rate Code	Billed kWh	Weather Adjusted kwh	Total Billed \$	Billed kWh	Weather Adjusted kwh	Total Billed \$	Billed kWh	Weather Adjusted kwh	Total Billed \$
1	110006809427	2442 Romig Rd.	OE-GSD							2,180,000	2,180,000	\$74,872
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

J.C. Penney Corporation Inc.

J.C. Penney #3034

Billed kWh and Total billed \$ will have to be compiled from your old electric bills. You need to complete three years of data if taking the exemption option or a minimum of one year of data if taking the cash option.



PROJECT INFORMATION SHEET						
	J.C. Pe	enney Corporation Inc.				
Project Name: J.C. Penney #	3034					
Project In-Service Date (MM/DD/YYYY):	3/23/2006		ssignment Number associated			
If more than one date, Please use most current Project (found on the <u>Customer Usage Summary Tab</u>)						
Please provide a narrative description of y	our program inclu	ding, but not limited to,	make, model, and year of any	installed and replaced		
ACH500 25HP Variable Frequency Drive. Rep	laced 25HP VFD.	equipment:				
Total Project Cost: \$2,2	.20					
	T	ype of Project:				
Early replacement of fully functioning equipment with new equipment ☐ Installat replace to	tion of new equipmen failed equipment	nt to Installatio contructio	on of new equipment for new on or facility expansion	Behavioral modification or operational improvement		
Please describe the less efficient	ent new equipment	that you rejected in favo	or of the more efficient new e	quipment.		
	Proje	ect Classification:				
(Check all that apply) Lighting Motor HVAC Process Improvement		mpressor	☐ Refrigeration ☐ Other/Custom			
If Other or Custom Please Explain:						
VFD Retrofit						
	PROJECT	INFORMATION SH	EET			
	Equip	ment Information:				
		New	Old F	Equipment		
Equipment specifications (Model no., size, etc.):		25 HP VFD		HP VFD		
Number of units:		1		1		
Efficiency rating (R-Value, SEER/EER ratin motor efficiency, etc.)		80%		80%		
What was the estimated remaining useful		10 yrs	III	nknown		

		0	perational I	nformation for Equipment				
Describe the o	perational period	of the equipmen	t (i.e. months, d	lays, hours): Yearly				
Does this proj	ect produce ener	gy savings Mond August from the	ay through Fri	day during the months of June	🖸 Yes 🔲 N	No		
For a 1		_		to o FM: eet that lists all installed measure.	s that exceed cu	rrent huilding sta	ındards	
				description of all operational in				
,			achieveme	nt of conservation efforts:				
n/a								
	<u> </u>		Energy	Savings Information:				
	Equipment	Kwh u	ısage	Yearly hours of operation	Deman	d (kW)		
	Old	21,0	00	3,640	21,	000		
	C4			3 640				
	Standard			3,640				
	New	1		3,640				
Annual reduce attributable to		21,000		kW demand reduction attributa project:	able to this	21,000	kW	
atti ibutabic to	tins project.	21,000	KVII	project.		21,000	11.4	
Annual reduce			1 777					
eligible for an i	ncentive:	0	kWh					
Please describe 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. Use motors and drives project cash rebate form to calculate incentive for installing new 25 HP VFD on HVAC system. *Please see attached VFD Savings Calculator								
accounting of	expenditures for	this project. (M	ust attach all de	and verification that project was escribed documents with submissible confidential and customer usage information.	-			

What date would you have replaced your

Site Address: J.C. Penney #3034
Principal Address: 2442 Romig Rd.

ct 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.
J.C. Penney #3034	ACH500 25HP Variable Frequency Drive. Replaced 25HP VFD.	Use motors and drives project cash rebate form to calculate incentive for installing new 25 HP VFD on HVAC system. *Please see attached VFD Savings Calculator		N/A
	J.C. Penney #3034	Project Name make, model, and year of any installed and replaced equipment:	Project Name make, model, and year of any installed and replaced equipment: used in measuring and verifying project results J.C. Penney #3034 ACH500 25HP Variable Frequency Drive. Replaced 25HP VFD. Use motors and drives project cash rebate form to calculate incentive for installing new 25 HP VFD on HVAC system.	Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment: J.C. Penney #3034 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 Also, please explain briefly how you determined this future replacement date.

Customer Legal Entity Name: J.C. Penney Corporation Inc.

Site Address: J.C. Penney #3034

Principal Address: 2442 Romig Rd.

	Unadjusted Usage, kwh (A)	Weather Adjusted Usage, kwh (B)	Weather Adjusted Usage with Energy Efficiency Addbacks, kwh (c) Note 1
2010	2,180,000	2,180,000	2,201,000 21,000
Average	2,180,000	2,180,000	1,111,000

Project Number		Project Name	In-Service Date	Project Cost \$	50% of Project Cost \$	KWh Saved/Year (D) counting towards utility compliance	KWh Saved/Year (E) eligible for incentive	Utility Peak Demand Reduction Contribution, KW (F)	Prescriptive Rebate Amount (G) \$	Eligible Rebate Amount (H) \$ Note 2
1	J.C. Penney #3034		03/23/2006	\$2,220	\$1,110	21,000		21,000		
						-	-	-		
						-		-		
						-	-	-		
						-		-		
						-	-	-		
						-		-		
	<u> </u>		Total	\$2,220		21,000	0	21,000	\$0	\$0

Docket No. 11-3903 Site: 2442 Romig Rd.

Notes

(2) The eligible rebate amount is based upon 75% of the rebates offered by the FirstEnergy Commercial and Industrial Energy Efficiency programs or 75% of \$0.08/kWh for custom programs for all energy savings eligible for a cash rebate as defined in the PUCO order in Case NO.10-834-EL-EEC dated 9/15/2010, not to exceed the lesser of 50% of the project cost or \$250,000 per project. The rebate also cannot exceed \$500,000 per customer per year, per utility service territory.

⁽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.



Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh	Utility Avoided Cost \$/MWh	Utility Avoided Cost \$	Utility Cost \$	Cash Rebate	Administrator Variable Fee \$	Total Utility Cost \$	UCT
-	(A)	(B)	(Ċ)	(D)	(E)	(F)	(Ġ)	(H)
1	21	\$ 308	\$ 6,474	\$ 3,546			\$ 3,546	1.8

Total	21	\$ 308	6,474	3,546	\$0	\$ 0	3,546	1.8

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 cash rebate paid to the customer for this 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)

J.C. Penney Corporation Inc. ~ J.C. Penney #3034 Docket No. 11-3903

Site: 2442 Romig Rd.

WP 1
Savings Adjustments to Weather Adjusted Baseline

Project	Project Name	In Service Date	kWh Saved /Year	Days in service 1/1/2010 to 12/31/2010	2010 Adjustment kWh	Days in service 1/1/2009 to 12/31/2009	2009 Adjustment kWh	Days in service 1/1/2008 to 12/31/2008	2008 Adjustment kWh
(a)	(b)	(c)	(d)	(e)	(f) = (d)/365*(e)	(g)	(h) = (d)/365*(g)	(i)	(j) = (d)/366*(i)
1	J.C. Penney #3034	3/23/2006	21,000	365	21,000	365	21,000	366	21,000
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-				-	
	Total Adjustments				21,000		21,000		21,000

J.C. Penney Corporation Inc. ~ J.C. Penney #3034



Ohio Edison • The Illuminating Company • Toledo Edison

Project Name:	JC Penney
Site Name:	Store #3034
Completed by (Name):	Marcello Crestani
Date completed:	6/22/2011

Variable Frequency Drive Rebate Form

	quency 211.			VFD and C	ontrolled Mo	otor Nameplate	DATA				
Motor Application	VFD Manufacturer	VFD Model Number	Unique Motor ID(s)	Motor Location	Enclosure type: TEFC or ODP	Annual Hours of Operation ²	Load Factor (LF) ³	Motor Model Number	Motor HP	Motor Nominal Efficiency	Total Motor Incentive ¹ \$
HVAC	ABB Drives	ACH500	N/A	RTU	TEFC	3744	0.8	Unkown	25		875
Incentive through 10/11/2011 @ \$35/hp								875			

⁽¹⁾ VFD incentives (through 10/11/2011) are calculated at a flat rate of \$35 per horsepower controlled, up to a maximum of 500 hp controlled per VFD. When a single VFD is used to control two motors in a lead/lag (standby, redundant) configuration, use only the horsepower rating of one motor to figure controlled horsepower. For instance, if a single VFD controls two 30hp motors with only one operating at a time, the incentive calculation should be based on 30 hp: 30hp x \$35/hp = \$900.

⁽²⁾ For VAV fan motors, enter 2790 annual hours of operation. For HVAC pump motors, enter 5520 annual hours of operation. For all other motor usage, please estimate your annual hours of operation and attach an explanation of how you determined this value.

⁽³⁾ For all motor and VFD applications, use the Load Factor (LF) default value of 0.80, unless data is available to support the use of a motor-specific LF other than 0.80. Please attach an explanation, including your analysis and/or data used, to support motor-specific LF value.

FanSave 4.1 for HVAC **Energy saving calculator for fans Energy Consumption GENERAL DATA EQUIPMENT DATA - EXISTING** 25.0 Power consumption **Measurement Units** Fan Data 20.0 Fan type Impeller type Centrifugal \blacksquare Forward curved (F) **≥**15.0 Calculated by: Nominal volume flow **34,000.00** cfm Calculated for: Efficiency 10.0 Fan ID: **EQUIPMENT DATA - NEW** in-H2O = 0.11 psi 80% **Total pressure increase** 3 5.0 Improved Control Flow by:-Air flow rate Existing Flow Control -**−** Transmission ABB Drives for HVAC (ACH550) 6800102003600700204023802720306034000 **Nominal efficiency** 90.0 % ACH550-U1-045A-4 Cycling (on/off) AC drive control Cycling (on/off) -Motor and Supply Data **RESULTS** 60,000 460 V Supply voltage 440/460/480 V Required motor power: 50.000 Motor power 25 Specific fan power 1.3 kW/(m³/s) 24.5 Hp including 10% safety margin 40,000 Motor efficiency 80.0 % Saving percentage 43.2 % 30,000 Annual energy consumption: Operating Profile with existing control method 49 MWh 20,000 Annual running time 3,640 28 MWh with improved control method 20 Annual energy saving 21 MWh 10,000 5 % = 182 h at nom.flow Annual CO₂ reduction 11 34000 10 % = 364 h at 90% flow 0.5 lb/kWh CO₂ emission 30600 Cycling (on/off) **VSD** 15 % = 546 h at 80% flow **Economic Data** 27200 **£**23800 20 % = 728 h at 70% flow Currency \$ **Economic Results** 20 % = 728 h at 60% flow **Energy price** 0.04 \$/kWh \$20400 17000 15 % = 546 h at half flow Investment cost 2,500 Annual saving 849

Interest rate

Service life

1.0 %

10.0

vears



vears

2.9

5,543

Payback period

Net present value



at 40% flow

at 30% flow

at 20% flow

13600

10200

6800

364 h

182 h

0 h

10 % =

100

5 % =

JCPENNEY C #3034-6	JCPENNEY CATALOG OUTLE #3034-6	PURCHASE ORDER REPRINT	EPRINT	PURCH	PURCHASE ORDER NO.
		06-09-2011			54804239
DATE OF ORDER	BUYER ORIGINATOR NAME	PLANNED JOB NO. ORIGINAL REFERENCE	RIGINAL REFERENCE		
03/23/2006	VCOSTA	00	0000000		
DELIVERY DATE 03/24/2006	INSTRUCTIONS EL. ON DAT	TERMS NET 45	ACCT. NO. 1057	NO. A.O.R. NO. 009298	BILL TO UNIT 3034-6
	BEFORE				
SUPPLIER NO. 08678-5/00	SUPPLIER TIMBERLAKE & DICKSON INC	SHIP TO TAT CITE THE	3-7505#	BILL TO	CNF
SHIP TO UNIT	PO BOX 551667		1	DO BOY 699	
3034-6	DALLAS TX 763551667	AKRON, OH 44322	. 02	SALT LAKE CITY, UT 84110-	UT 84110-
		7	5	6890	
		3034			
	Rep	Reprint only, not a PO. Please do not send.			
SPECIAL INSTRUCTIONS:			F.O.B.	.B.	
ITEM NO.	ITEM DESCRIPTION	NOUT UNIT SIZE	QUANTITY	DALLAS TX UNIT COST	EXTENSION
VFD 25 HP	ACH500 25HP VARIABLE FREQUENCY DRIVE	ABLE EA 1	T	2,220.00	2,220.00
	FOR AHU #2				
				TOTAL COST	\$2,220.00



All the italicized fields are mandatory and must be completed

Invoice Information				
Invoice 007627	······································	Invoice Da (MM/DD/C		04/19/2006
Purchase Order Number: 548042	39	PO Date: (MM/DD/C	CYY)	03/23/2006
Bill-To Unit: 30346				
Account: 1057		AOR/Appropri Number:	iation	009298
Supplier 086785 Number:		Contract Number:	F*************************************	
Compliant with Fair Labor Standards Act				
Line Items				
Line No. Item Number	Unit of Purchase	Outputitus		
1 VFD 25 HP	EA - EACH	Quantity		
		." 1.000		
4/00		Extended Cost 220,0000		
Description ACH500 25HP VARIABL Serial Number	E FREQUENCY DRIVE			
4W064773519-0001				
tem Adjustments and A	llowances			
Adjustment:	***			
)iscount:				
Promotional Illowance:				
	Line Item(s) to Add [l	Max=100]		
	U	pdate Document		
				Total for all Line Items:
				2220.0000

Taxes and Ship			
Tax:	138.75		
Freight:			
Miscellaneous:			
Description of Misc	ellaneous Charges:		
Summary Adjus	tments and Allowances		
Adjustment:	***************************************		
Discount:	W		
Promotional Allowance:			
			Total Charges:
		-	2358.75
			Invoice Total:
			2358.75
Payment Details.			
Type of Payment Terms:	14 - PREVIOUSLY AGREED UPON	ø	
Payment Net Days:	45		
Payment Description	1:		
1 1			
Shipping Details.			
Shipment Method of Payment:			A -
SCAC Code:			
Carrier: FEDEXP FR	T		
Number of Cartons Shipped:	1		

RUN DATE: 04/19/06 RUN TIME: 8:59 AM TIMBERLAKE & DICKSON, INC.
Accounts Receivable
Enter Transactions Control Report

PAGE 1

ID	NO	TRANSAC		P C	TRANS DATE	DUE	DISC	E. P. DISC%	TRANS AMOUNT	COMMENT	ACCT	CREDIT AMOUNT	DEBIT ACCT	DEBIT AMOUNT
JCPENN	007627	Misc. I	Debit		04/19/06	06/03/06	04/19/06	0.00	2358.75		30101	2358.75-	12101	2358.75
												**********		***********
									2358.75			2358.75-		2358.75
												*********		运动器有限型用 0 单 0 章 0 型

^{+**} End Of - Enter Transactions Control Report ***

NOT TO EXCEED	RK ORDER AG	REEMENT E THOUSAND DOLLARS
AGREEMENT made as of the 23rd day of Mar		by and between JCI SSA CLEVELAND, OH BRA
hereinafter called "Contractor", and and J. C. Penn		그는 사람들은 그는 그들은 아이들이 가지 않는데 그렇게 되었다면 하는데 하는데 모양하다.
	ey Flobsines, Inc.,	, incommunity of the formation
WITNESSETH:		
Penney is desirous of engaging Contractor to perfo		
NOW, THEREFORE, Contractor and Penney, in co	onsideration of the	mutual coverx 115 herein contained, hereby agree as follow
Article 1. WORK TO BE PERFORMED		
completion of the following: (Hereinafter referred to	as "the Work.")	o do all things discussary for the proper construction and not remount cut armer supplied VFD FQ0803080028
\$1466.30 6261069981 LEASED - ORDENEY	O VEO	323 62282215
	State JCP Track	king ik: Reference it:
	OH 3034-06-0	02 8228 2115
Article 2, TERMS AND CONDITIONS		ofserves and a it deemed to be a part of this Assessment
	orated nersin by ra	eference and ε 🕫 deemed to be a part of this Agreement.
COMPLIANCE WITH STATUTES		
Contractor shall conform in all respects to all statutes, or of the Work, or any part thereof, and shall procure and p	rdinances and other re say for all permits, lice	regulations and a systements of all authorities having jurisdiction enses and privil "gost required in the prosecution of the Work,
employees under the provision of applicable State Unem Contributions Act, the Federal Unemployment Tax Act, t with the provisions of all other laws and ordinances, rule GUARANTEE.	nployment insurance he Fair Labor Standa is and regulations app	
within one year effect final payment has been made Article 3. THE CONTRACT SUM		faults in tabor as of materials, which may arise or be discovered
Penney agrees to pay Contractor for the performan	nce of this Agreeme	ent upon com willon of the Work the sum of \$1,488.30
One Thousand Four Hundred Strty Six Dollars and	Thirty Cents	*
		*.d====================================
Contractor Signature		
	Submit	Ca
		-1.4(10)

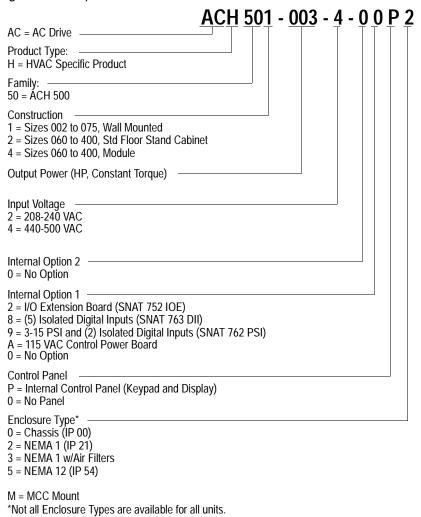
Chapter 2 – Overview of the ACH 501

This chapter describes the features and functions of the ACH 501, and includes illustrations and block diagrams. It also describes the ACH 501 hardware components and the Control Panel displays and keys. The last part of this chapter presents an overview of the Parameters menu system and Application macros.

Nameplate Identification

Figure 2-1 explains the drive code printed on the nameplate, located at the bottom of your drive between the mounting holes.

Figure 2-1 Explanation of ACH 501 Drive Code



General Information About Your ACH 501

Features and Functions

Component Descriptions

A diode bridge converts line power almost entirely to active power. The displacement power factor approaches unity (>0.98) regardless of the speed or load of the connected motors.

The DC-Intermediate Circuit filters the DC-voltage ripple supplied by the Rectifier Stage. This section consists of an inductor and capacitors, as well as a charging circuit. The charging circuit limits the in-rush current when power is applied by directing the current through a resistor. Once the bus is charged, the resistor is shorted with a relay or SCR.

Note: The maximum number of chargings in one minute is four. In applications where frequent start/stop is required, electronic start/stop should be used with the unit powered continuously.

The Inverter Stage forms symmetrical three-phase AC voltage from the constant DC voltage supplied by the DC-Intermediate Circuit.

A Motor Control Card controls the Inverter Stage and monitors the operation of the ACH 501.

A Control Interface Card is the link between the operator and the ACH 501. It features a Control Panel with an alphanumeric display and keypad. A terminal block for external control connections is also located on the Control Interface Card.

The Control Interface Card is optically isolated from the line potential. The Control Interface Card common is connected to the chassis ground through a 10 megohm resistor.

Figure 2-2 shows a diagram of the hardware components and control functions of the ACH 501.

Table 2-1 Rating Table

		Variable Torq				
Drive Type	hp	(Curre	mps nt Rating Drive)	I_N	Dimension Reference	
		I _{RSQ}	I _{INSQ}			
480 VAC					•	
ACH501-003-4	3.0	4.8	4.3	6.2		
ACH501-005-4	5.0	7.6	6.8	7.5	R2	
ACH501-007-4	7.5	11.0	9.9	10.0		
ACH501-010-4	10.0	14.0	12.6	13.2	R3	
ACH501-015-4	15.0	21.0	18.9	18.0	KS	
ACH501-020-4	20.0	27.0	24.3	24.0	R4	
ACH501-025-4	25.0	34.0	30.6	31.0	K4	
ACH501-030-4	30.0	40.0	36.0	38.0		
ACH501-040-4	40.0	52.0	46.8	47.0	R5	
ACH501-050-4	50.0	65.0	58.5	62.0		
ACH501-060-4	60.0	77.0	69.3	76.0	R5.5	
ACH501-075-4	75.0	96.0	86.4	89.0	103.3	
208/230 VAC	1	1				
ACH501-002-2	2.0	7.5	6.8	6.2	R2	
ACH501-003-2	3.0	10.6	9.6	10.0		
ACH501-005-2	5.0	16.8	15.2	13.2	R3	
ACH501-007-2	7.5	24.2	21.8	18.0	K.J	
ACH501-010-2	10.0	30.9	27.8	24.0	R4	
ACH501-015-2	15.0	46.2	41.6	31.0	IX-T	
ACH501-020-2	20.0	59.4	53.5	47.0	R5	
ACH501-025-2	25.0	74.8	67.4	62.0	IX.J	
ACH501-030-2	30.0	88.0	79.2	76.0	R5.5	
ACH501-040-2	40.0	114.4	103.0	89.0	10.5	

Line Connection **Brake Connection** Motor Connection $V_{
m out}$ U1 U2 3ф V1 V2 M 3ф W2 W1 **GND GND** I,V DC Gate Power Measurements Drivers Supply Τ Inverter Control Motor Control Communication Control with Motor Control Interface X56

Application Control

Program

Analog

Outputs

Program

Digital

Inputs

Program Analog

Inputs

Figure 2-2 Diagram of ACH 501 Hardware Components and Control Functions

X55

Program

Outputs

Relay

 \ominus

X51

X50

Communication

with PC, PLC etc.

Table 3-5 Wire Sizes for ACH 501 Units

Drive Type	Unit	Drive Fuse Size	Wire Sizes
ACH501-003-4 - 007-4 ACH501-002-2 - 003-2	R2	16	22 AWG – 10 AWG
ACH501-010-4 - 015-4 ACH501-005-2 - 007-2	R3	30	20 AWG – 8 AWG
ACH501-020-4 ACH501-010-2	R4	50	12 AWG – 8 AWG
ACH501-025-4 ACH501-015-2	R4	50	10 AWG – 6 AWG
ACH501-030-4	R5	80	10 AWG – 6 AWG
ACH501-040-4 ACH501-020-2	R5	80	8 AWG – 2 AWG
ACH501-050-4 ACH501-025-2	R5	100	8 AWG – 2 AWG
ACH501-060-4 - 075-4 ACH501-030-2 - 040-2	R5.5	160	8 AWG – 0 AWG

Table 3-6 lists the specifications for the factory installed, UL Recognized fuses (JFHR2).

Table 3-6 Fuse Specifications

Drive Type	Unit	Rating	Mfg.	Туре
ACH501-003-4 - 007-4	R2	16A/500V	Bussmann	FWH 16A6F
ACH501-002-2 - 003-2	K2		Ferraz	500V FA 6.3 x 32/16
ACH501-010-4 - 015-4	R3	30A/600V	Bussmann	FWC 30A10F
ACH501-005-2 - 007-2	KS		Ferraz	6,600 CP URL 10.3 x 38/30
ACH501-020-4 - 025-4	R4	50A/700V	Bussmann	FWP 50A14F
ACH501-010-2 - 015-2		50A/660V	Ferraz	6,600 CP URC 14 x 51/50
ACH501-030-4 - 040-4	R5	80A/700V	Bussmann	FWP 80A22F
ACH501-020-2		80A/660V	Ferraz	6,600 CP URD 22 x 58/80
ACH501-050-4	R5	100A/700V	Bussmann	FWP 100A22F
ACH501-025-2	KS	100A/660V	Ferraz	6,600 CP URD 22 x 58/100
ACH501-060-4 - 075-4 ACH501-030-2 - 040-2	R5.5	160A/660V	Bussmann	170M1369

Output Power Wiring

Install the motor wiring away from other wire routes. Avoid long parallel runs with other wires. If motor wires must run parallel to the control wires for a short length, the length must not exceed those outlined in Table 3-7. These maximum lengths also apply to control wires from other systems. Table 3-7 shows the maximum lengths for running control wires parallel to motor wires.

Table 3-7 Maximum Lengths For Parallel Wiring

Distance Betw	een Wires	Maximum Run Length		
ft	m	ft	m	
0	0	≤3.28	≤1	
.328	0.1	≤32.8	≤10	
3.28	1	≤328.0	≤100	

The rapid rate of voltage changes causes capacitive coupling between motor wiring and the grounded metallic conduit. This capacitive coupling increases with switching frequency and motor wire length. This phenomenon can cause substantially higher measured current (by the drive) than is actually seen by the motor. This may result in:

- Nuisance overcurrent trips.
- Erroneous current display readings. The current display will read higher than measured current.
- Nuisance activation of current limits or electronic motor overload function (I²t).

If the motor wire lengths in Table 3-8 must be exceeded, chokes should be installed in the drive output. Contact ABB for more information.

Table 3-8 Maximum Recommended Motor Wire Lengths

Cuitaking Fugguener, hHz	Maximum Cable Length			
Switching Frequency, kHz	Feet	Meters		
1	200	61		
3	175	53.3		
12	100	30.5		

Account: 110006809427 Billing Date: 06/29/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000216847109

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 07/20/10

Previous Month: 5,498.68
Balance Forward: 0.00
Total Due: 5,579.94
Current Bill: 5,579.94

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Begin	Ending	Significance
13957	15131 2.968 1.364	Total Total Total
		13957 15131 2.968 1.364

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 05/28/10 Service Period End Date: 06/28/10

10 -	Amount	Rate	Unit Of	Mea	Quantity	Description
	36.82	0.000196	KWH		187840.0000	Dist-DSM / EE1-Engy
	0.00	0	KWH		187840.0000	Dist-DSE rider-DSE2
	-20.20	-0.3402	KW		474.9000	Transmission-Dmd (TAS2)
	-141.37	-0.3402	KW		474.9000	Transmission-Dmd (TAS2)
	9.02	0.152	KW		474.9000	Trans-Def Trans Cost Rec-Dmd
	63.16	0.152	KW		474.9000	Trans-Def Trans Cost Rec-Dmd
	320.91	5.4635	KW		469.9000	Dist-Dmd
	1.60	12.8	KW		5.0000	Dist-Dmd
	1.80	0	EACH		0.0000	State kWh Tax (CAT)-Engy
	2,246.39	5.4635	KW		469.9000	Dist-Dmd
	9.82	0.36	KVAR De	mand	218.2000	Dist-Reactive Dmd Chrg
	68.73	0.36	KVAR De	mand	218.2000	Dist-Reactive Dmd Chrg
	7.00	7	EACH		1.0000	Dist-Customer Chrq

9.30 54.47 627.41 11.20 0.00 368.71 0.00 1,167.43 0.00 191.97 0.00 112.60 380.41	0 0.8873 0.00465 0.00419 0.00363 12.8 0 0.8873 0 0.006215 0 0.001022 0	KWH KWH KWH KWH KWH	$187840.0000\\474.9000\\2000.0000\\13000.0000\\172840.0000\\5.0000\\187840.0000\\474.9000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000\\187840.0000$	Dist Uncollectible-Engy Dist-Line Extenstion-Engy Dist-Delivery Serv Improv-Dmd State Tax - Total KWH State Tax - Total KWH State Tax - Total KWH Dist-Dmd PIPP Uncollectible-Engy Dist-Delivery Serv Improv-Dmd Dist-AMI rider-Engy Gener-EDR (e) Std Chrg-Engy Gener-Delta Rev Rec (Oth)-Engy Gener-Cost Rev True-Up -Engy Dist- NRes Def Dist Cost-Engy Universal Service - Total KWH
	0.002025 0.09	KWH EACH		Universal Service - Total KWH Energy Eff Revolving Loan Fund
0.05			1.0000	

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 5,579.94

Account: 110006809427 Billing Date: 07/29/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000221643630

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 08/19/10

Previous Month: 5,579.94
Balance Forward: 0.00
Total Due: 5,269.98
Current Bill: 5,269.98

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 192000 497.3 257.1	KWH KW KVAR Demand KWH KW KVAR Demand	15131	16331 3.108 1.607	Total Total Total

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 06/29/10 Service Period End Date: 07/28/10

2.51 0.000196 KWH 12800.0000 Dist-DSM / EE1-Engy	
0.00 0 KWH 192000.0000 Dist-DSE rider-DSE2	
38.53 0.000215 KWH 179200.0000 Dist-DSM / EE1-Engy	
-11.28 -0.3402 KW 497.3000 Transmission-Dmd (TAS2)	
-157.90 -0.3402 KW 497.3000 Transmission-Dmd (TAS2)	
5.04 0.152 KW 497.3000 Trans-Def Trans Cost Rec-Dmd	
70.55 0.152 KW 497.3000 Trans-Def Trans Cost Rec-Dmd	
11.95 12.8 KW 5.0000 Dist-Dmd	
179.31 5.4635 KW 492.3000 Dist-Dmd	
0.00 0 KWH 12800.0000 Dist Uncollectible-Engy	
0.00 0 KWH 179200.0000 Dist Uncollectible-Engy	
0.85 12.8 KW 5.0000 Dist-Dmd	
7.00 7 EACH 1.0000 Dist-Customer Chrg	

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 5,269.98

Account: 110006809427 Billing Date: 08/27/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000225918969

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

 ${\tt Meter\ Location:\ J\ C\ PENNEY\ CO}$

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 09/17/10

Previous Month: 5,269.98
Balance Forward: 0.00
Total Due: 5,161.30
Current Bill: 5,161.30

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of N	Mea Begin	Ending	Significance	
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 160 184640 497.3	KWH KW KVAR Dema KWH KW	16331 and	17485 3.108 1.607	Total Total Total	
Billed Actual		257.1	KVAR Dema	and			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 07/29/10 Service Period End Date: 08/26/10

10.	Amount	Rate	Unit (Of Me	ea Qu	antity	Description
	39.70	0.000215	KWH		18464	0.0000	Dist-DSM / EE1-Engy
	0.00	0	KWH		18464	0.000	Dist-DSE rider-DSE2
	-169.18	-0.3402	KW		49	7.3000	Transmission-Dmd (TAS2)
	75.59	0.152	KW		49	7.3000	Trans-Def Trans Cost Rec-Dmd
	7.00	7	EACH			1.0000	Dist-Customer Chrg
	12.80	12.8	KW			5.0000	Dist-Dmd
	2,689.68	5.4635	KW		49	2.3000	Dist-Dmd
	92.56	0.36	KVAR I	Demar	nd 25	7.1000	Dist-Reactive Dmd Chrg
	0.00	0	KWH		18464	0.0000	Dist Uncollectible-Engy
	0.00	0	KWH		18464	0.000	PIPP Uncollectible-Engy
	441.25	0.8873	KW		49	7.3000	Dist-Delivery Serv Improv-Dmd
	0.00	0	KWH		18464	0.0000	Dist-Line Extenstion-Engy
	1.77	0	EACH			0.0000	State kWh Tax (CAT)-Engy

615.79	0.00363	KWH	169640.0000	State Tax - Total KWH
54.47	0.00419	KWH	13000.0000	State Tax - Total KWH
9.30	0.00465	KWH	2000.0000	State Tax - Total KWH
0.00	0	KWH	184640.0000	Dist-AMI rider-Engy
855.99	0.004636	KWH	184640.0000	Gener-EDR (e) Std Chrg-Engy
60.56	0.000328	KWH	184640.0000	Gener-Cost Rev True-Up -Engy
0.00	0	KWH	184640.0000	Gener-Delta Rev Rec (Oth)-Engy
0.00	0	KWH	184640.0000	Dist- NRes Def Dist Cost-Engy
373.93	0.002025	KWH	184640.0000	Universal Service - Total KWH
0.09	0.09	EACH	1.0000	Energy Eff Revolving Loan Fund

Meter Location: J C PENNEY CO 2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 5,161.30

Account: 110006809427 Billing Date: 09/28/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000230829658

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

 ${\tt Meter\ Location:\ J\ C\ PENNEY\ CO}$

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 10/19/10

Previous Month: 5,161.30
Balance Forward: 0.00
Total Due: 5,951.27
Current Bill: 5,951.27

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 180960 503	KWH KW KVAR Demand KWH KW		18616 3.144 1.433	Total Total Total
Billed Actual		229.3	KVAR Demand			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 08/27/10 Service Period End Date: 09/27/10

шо.	Amount	Rate	Unit O	of I	Mea	Quantity	Description
	38.91	0.000215	KWH			180960.0000	Dist-DSM / EE1-Engy
	0.00		KWH				Dist-DSE rider-DSE2
	-26.74	-0.3402	KW			503.0000	Transmission-Dmd (TAS2)
	-85.56	-0.3402	KW			503.0000	Transmission-Dmd (TAS2)
	-58.82	-0.3402	KW			503.0000	Transmission-Dmd (TAS2)
	11.95	0.152	KW			503.0000	Trans-Def Trans Cost Rec-Dmd
	38.23	0.152	KW			503.0000	Trans-Def Trans Cost Rec-Dmd
	38.90	0.225	KW			503.0000	Trans-Def Trans Cost Rec-Dmd
	7.00	7	EACH			1.0000	Dist-Customer Chrg
	0.00	0	KWH			180960.0000	Dist Uncollectible-Engy
	2.00	12.8	KW			5.0000	Dist-Dmd
	425.13	5.4635	KW			498.0000	
	6.40	12.8	KW			5.0000	Dist-Dmd

41.27 54.47 1,360.41 4.40	12.8	KVAR Demand KVAR Demand KWH KW	229.3000 13000.0000 498.0000 5.0000	Dist-Reactive Dmd Chrg Dist-Reactive Dmd Chrg State Tax - Total KWH Dist-Dmd Dist-Dmd
	5.4635 0.00363	KW KWH		Dist-Dmd State Tax - Total KWH
1.74		EACH		State lax - local kwh State kWh Tax (CAT)-Engy
	0.00465	KWH		State Tax - Total KWH
12.90	0.36	KVAR Demand	229.3000	Dist-Reactive Dmd Chrg
0.00	0	KWH	180960.0000	PIPP Uncollectible-Engy
153.42	0.8873	KW	503.0000	Dist-Delivery Serv Improv-Dmd
223.16	0.8873	KW	503.0000	Dist-Delivery Serv Improv-Dmd
69.74	0.8873	KW		Dist-Delivery Serv Improv-Dmd
0.00	0	KWH	180960.0000	Dist-Line Extenstion-Engy
0.00	0	KWH	180960.0000	Dist-AMI rider-Engy
838.93	0.004636	KWH	180960.0000	Gener-EDR (e) Std Chrg-Engy
0.00	0	KWH	180960.0000	Gener-Delta Rev Rec (Oth)-Engy
59.35	0.000328	KWH	180960.0000	Gener-Cost Rev True-Up -Engy
0.00		KWH		Dist- NRes Def Dist Cost-Engy
	0.005184			Dist- NRes Def Dist Cost-Engy
	0.002025			Universal Service - Total KWH
0.09	0.09	EACH	1.0000	Energy Eff Revolving Loan Fund

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 5,951.27

Account: 110006809427 Billing Date: 10/26/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000235400465

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 11/16/10

Previous Month: 5,951.27
Balance Forward: 0.00
Total Due: 4,823.05
Current Bill: 4,823.05

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea Beg	gin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 124800 448.3 197.1	KW KVAR Demand KWH KW		19396 2.802 1.232	Total Total Total
Billed Actual		19 / · 1	KVAR Demand			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 09/28/10 Service Period End Date: 10/25/10

шоч	Amount	Rate	Unit	Of	Mea	Quantity	Description
	26.83	0.000215	KWH			124800.0000	Dist-DSM / EE1-Engy
	0.00	0	KWH			124800.0000	Dist-DSE rider-DSE2
	100.87	0.225	KW			448.3000	Trans-Def Trans Cost Rec-Dmd
	-152.51	-0.3402	KW			448.3000	Transmission-Dmd (TAS2)
	1.21	0	EACH			0.0000	State kWh Tax (CAT)-Engy
	0.00	0	KWH			13280.0000	PIPP Uncollectible-Engy
	7.00	7	EACH			1.0000	Dist-Customer Chrg
	397.78	0.8873	KW			448.3000	Dist-Delivery Serv Improv-Dmd
	0.00	0	KWH			124800.0000	Dist-Line Extenstion-Engy
	0.00	0	KWH			13280.0000	Dist Uncollectible-Engy
	0.00	0	KWH			111520.0000	Dist Uncollectible-Engy
	398.57	0.00363	KWH			109800.0000	State Tax - Total KWH
	54.47	0.00419	KWH			13000.0000	State Tax - Total KWH

70.96		KWH KVAR Demand	197.1000	State Tax - Total KWH Dist-Reactive Dmd Chrg
2,421.97		KW		Dist-Dmd
12.80	12.8	KW		Dist-Dmd
0.00	0	KWH	111520.0000	PIPP Uncollectible-Engy
0.00	0	KWH	124800.0000	Dist-AMI rider-Engy
61.57	0.004636	KWH	13280.0000	Gener-EDR (e) Std Chrg-Engy
494.70	0.004436	KWH	111520.0000	Gener-EDR (e) Std Chrg-Engy
4.36	0.000328	KWH	13280.0000	Gener-Cost Rev True-Up -Engy
13.38	0.00012	KWH	111520.0000	Gener-Cost Rev True-Up -Engy
0.00	0	KWH	111520.0000	Gener-Delta Rev Rec (Oth)-Engy
0.00	0	KWH	13280.0000	Gener-Delta Rev Rec (Oth)-Engy
646.96	0.005184	KWH	124800.0000	Dist- NRes Def Dist Cost-Engy
252.74	0.002025	KWH	124800.0000	Universal Service - Total KWH
0.09	0.09	EACH	1.0000	Energy Eff Revolving Loan Fund

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 4,823.05

Account: 110006809427 Billing Date: 11/24/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000239902063

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 12/15/10

Previous Month: 4,823.05
Balance Forward: 0.00
Total Due: 5,249.19
Current Bill: 5,249.19

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 157760 434.9	KWH KW KVAR Demand KWH KW		20382 2.718 1.237	Total Total Total
Billed Actual		197.9	KVAR Demand			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 10/26/10 Service Period End Date: 11/23/10

20.	Amount	Rate	Unit	Of	Mea	Quantity	Description
	33.92	0.000215	KWH			157760.0000	Dist-DSM / EE1-Engy
	0.00	0	KWH			157760.0000	Dist-DSE rider-DSE2
	-147.95	-0.3402	KW			434.9000	Transmission-Dmd (TAS2)
	97.85	0.225	KW			434.9000	Trans-Def Trans Cost Rec-Dmd
	7.00	7	EACH			1.0000	Dist-Customer Chrg
	12.80	12.8	KW			5.0000	Dist-Dmd
	2,348.76	5.4635	KW			429.9000	Dist-Dmd
	71.24	0.36	KVAR I	Den	nand	197.9000	Dist-Reactive Dmd Chrg
	0.00	0	KWH			157760.0000	Dist Uncollectible-Engy
	0.00	0	KWH			157760.0000	PIPP Uncollectible-Engy
	385.89	0.8873	KW			434.9000	Dist-Delivery Serv Improv-Dmd
	0.00	0	KWH			157760.0000	Dist-Line Extenstion-Engy
	1.52	0	EACH			0.0000	State kWh Tax (CAT)-Engy

Meter Location: J C PENNEY CO 2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 5,249.19

Account: 110006809427 Billing Date: 12/28/10

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000244482744

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 01/18/11

Previous Month: 5,249.19
Balance Forward: 0.00
Total Due: 6,535.64
Current Bill: 6,535.64

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 230400 442.6	KWH KW KVAR Demand KWH KW	20382	21822 2.766 .81	Total Total Total
Billed Actual		129.6	KVAR Demand			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 11/24/10 Service Period End Date: 12/27/10

Amount	Rate	Unit Of Mea	Quantity	Description
0.00	0	KWH	230400.0000	Dist-DSE rider-DSE2
49.54	0.000215	KWH	230400.0000	Dist-DSM / EE1-Engy
0.00	0	KW	442.6000	Transmission-Dmd (TAS2)
-22.14	-0.3402	KW	442.6000	Transmission-Dmd (TAS2)
84.94	0.225	KW	442.6000	Trans-Def Trans Cost Rec-Dmd
14.64	0.225	KW	442.6000	Trans-Def Trans Cost Rec-Dmd
0.00	0	KWH	230400.0000	Dist Uncollectible-Engy
39.79	0.36	KVAR Demand	129.6000	Dist-Reactive Dmd Chrg
0.00	0	KWH	230400.0000	Dist-Line Extenstion-Engy
57.75	0.8873	KW	442.6000	Dist-Delivery Serv Improv-Dmd
334.97	0.8873	KW	442.6000	Dist-Delivery Serv Improv-Dmd
781.90	0.00363	KWH	215400.0000	State Tax - Total KWH
54.47	0.00419	KWH	13000.0000	State Tax - Total KWH

9.30	0.00465	KWH	2000.0000	State Tax - Total KWH
6.86	0.36	KVAR Demand	129.6000	Dist-Reactive Dmd Chrg
2,039.24	5.4635	KW	437.6000	Dist-Dmd
10.92	12.8	KW	5.0000	Dist-Dmd
0.00	0	KWH	230400.0000	PIPP Uncollectible-Engy
2.20	0	EACH		State kWh Tax (CAT)-Engy
7.00	7	EACH	1.0000	Dist-Customer Chrg
1.88	12.8	KW	5.0000	Dist-Dmd
351.59	5.4635	KW	437.6000	Dist-Dmd
0.00	0	EACH	1.0000	Dist-AMI rider-Cust Chrg
1,022.05	0.004436	KWH	230400.0000	Gener-EDR (e) Std Chrg-Engy
27.65	0.00012	KWH	230400.0000	Gener-Cost Rev True-Up -Engy
0.00	0	KWH	230400.0000	Gener-Delta Rev Rec (Oth)-Engy
1,194.39	0.005184	KWH	230400.0000	Dist- NRes Def Dist Cost-Engy
466.61	0.002025	KWH	230400.0000	Universal Service - Total KWH
0.09	0.09	EACH	1.0000	Energy Eff Revolving Loan Fund

Meter Location: J C PENNEY CO 2442 ROMIG RD

AKRON, OH 44320

TOTAL DUE: 6,535.64

Account: 110006809427 Billing Date: 01/27/11

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000249945873

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 02/17/11

Previous Month: 6,535.64
Balance Forward: 0.00
Total Due: 6,085.76
Current Bill: 6,085.76

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 209440 439.8 119.5	KWH KW KVAR Demand KWH KW KVAR Demand	21822	23131 2.749 .747	Total Total Total

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 12/28/10 Service Period End Date: 01/26/11

10,	Amount	Rate	Unit	Of	Mea	Quantity	Description
	0.00	0	KWH			209440.0000	Dist-DSE rider-DSE2
	47.22	0.00026	KWH			181600.0000	Dist-DSM / EE1-Engy
	5.99	0.000215	KWH			27840.0000	Dist-DSM / EE1-Engy
	0.00	0	KW			439.8000	Trans-Def Trans Cost Rec-Dmd
	0.00	0	KW			439.8000	Transmission-Dmd (TAS2)
	0.00	0	KW			439.8000	Transmission-Dmd (TAS2)
	0.00	0	KW			439.8000	Transmission-Dmd (TAS2)
	0.00	0	KW			439.8000	Trans-Def Trans Cost Rec-Dmd
	13.19	0.225	KW			439.8000	Trans-Def Trans Cost Rec-Dmd
	0.00	0	KWH			209440.0000	Dist-Line Extenstion-Engy
	2.01	0	EACH			0.0000	State kWh Tax (CAT)-Engy
	705.82	0.00363	KWH			194440.0000	State Tax - Total KWH
	54.47	0.00419	KWH			13000.0000	State Tax - Total KWH

52.03 26.02 312.19 0.00 5.99 0.00 0.00 34.42 2.87 5.74 1,900.42 10.24 158.37 0.85 316.74 1.71 7.00 0.00 0.49 3.34 -57.39 123.50 836.45 0.00 65.74 0.00	0.000033 0 0.36 0.36 0.36 5.4635 12.8 5.4635 12.8 5.4635 12.8 7 0 0.565 0.00012 -0.00031 0.004436 0.0044606 0	KWH KWAR KVAR KVAR KW KW KW KW KW EACH EACH KWH KWH KWH KWH KWH	Demand Demand	439.8000 439.8000 439.8000 27840.0000 181600.0000 181600.0000 119.5000 119.5000 434.8000 5.0000 434.8000 5.0000 1.0000 1.0000 1.0000 27840.0000 181600.0000 27840.0000 181600.0000 27840.0000	State Tax - Total KWH Dist-Delivery Serv Improv-Dmd Dist-Delivery Serv Improv-Dmd Dist-Delivery Serv Improv-Dmd Dist-Delivery Serv Improv-Dmd PIPP Uncollectible-Engy PIPP Uncollectible-Engy Dist Uncollectible-Engy Dist-Reactive Dmd Chrg Dist-Reactive Dmd Chrg Dist-Reactive Dmd Chrg Dist-Dmd Dist-Dmd Dist-Dmd Dist-Dmd Dist-Dmd Dist-Dmd Dist-Dmd Dist-Customer Chrg Dist-AMI rider-Cust Chrg Gener-Cost Rev True-Up -Engy Gener-EDR (e) Std Chrg-Engy Gener-EDR (e) Std Chrg-Engy Gener-DFC Recovery-Engy Gener-Delta Rev Rec (Oth)-Engy Gener-Delta Rev Rec (Oth)-Engy
	0 0.005184			181600.0000	Gener-Delta Rev Rec (Oth)-Engy Dist- NRes Def Dist Cost-Engy
355.29	0.001696	KWH		209440.0000	Universal Service - Total KWH Energy Eff Revolving Loan Fund
0.00		-			Energy Eff Revolving Loan Fund

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 6,085.76

Account: 110006809427 Billing Date: 02/25/11

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000254511658

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

 ${\tt Meter\ Location:\ J\ C\ PENNEY\ CO}$

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 03/18/11

Previous Month: 6,085.76
Balance Forward: 0.00
 Total Due: 5,757.17
 Current Bill: 5,757.17

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 160 198400 439.7 128.5	KWH KW KVAR Demand KWH KW KVAR Demand		24371 2.748 .803	Total Total Total

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 01/27/11 Service Period End Date: 02/24/11

шо.	Amount	Rate	Unit Of Mea	Quantity	Description
	0.00	0	KWH	198400.0000	Dist-DSE rider-DSE2
		0.00026	KWH		Dist-DSM / EE1-Engy
	390.15	0.8873	KW	439.7000	Dist-Delivery Serv Improv-Dmd
	6.55	0.000033	KWH	198400.0000	PIPP Uncollectible-Engy
	0.00	0	KWH	198400.0000	Dist-Line Extenstion-Engy
	1.90	0	EACH	0.0000	State kWh Tax (CAT)-Engy
	665.74	0.00363	KWH	183400.0000	State Tax - Total KWH
	54.47	0.00419	KWH	13000.0000	State Tax - Total KWH
	9.30	0.00465	KWH	2000.0000	State Tax - Total KWH
	0.00	0	KWH		Dist Uncollectible-Engy
	46.26	0.36	KVAR Demand		Dist-Reactive Dmd Chrg
	2,374.98	5.4635	KW		Dist-Dmd
	12.80	12.8	KW	5.0000	Dist-Dmd

7.00	7	EACH	1.0000	Dist-Customer Chrg
0.57	0.565	EACH	1.0000	Dist-AMI rider-Cust Chrg
	0.004606		198400.0000	Gener-EDR (e) Std Chrg-Engy
71.82	0.000362	KWH	198400.0000	Gener-DFC Recovery-Engy
0.00	0	KWH	198400.0000	Gener-Delta Rev Rec (Oth)-Engy
-62.69	-0.00031	KWH	198400.0000	Gener-Cost Rev True-Up -Engy
699.67	0.004258	KWH	164320.0000	Dist- NRes Def Dist Cost-Engy
176.67	0.005184	KWH	34080.0000	Dist- NRes Def Dist Cost-Engy
336.57	0.001696	KWH	198400.0000	Universal Service - Total KWH
0.00	0	EACH	1.0000	Energy Eff Revolving Loan Fund

Meter Location: J C PENNEY CO 2442 ROMIG RD AKRON, OH 44320

ARRON, OIL

TOTAL DUE: 5,757.17

Account: 110006809427 Billing Date: 03/29/11

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000259341120

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 04/19/11

Previous Month: 5,757.17
Balance Forward: 0.00
Total Due: 5,768.21
Current Bill: 5,768.21

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of Mea E	Begin	Ending	Significance
Actual/Actual Actual/Actual Actual/Actual Billed Actual Billed Actual	Multiplier Multiplier Multiplier	160 160 160 203200 435.2	KW KVAR Demand KWH KW	24371	25641 2.72 .827	Total Total Total
Billed Actual		132.3	KVAR Demand			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 02/25/11 Service Period End Date: 03/28/11

i	Amount	Rate	Unit	Of Mea	Quantity	Description
	0.00	0	KWH		203200.0000	Dist-DSE rider-DSE2
	52.83	0.00026	KWH		203200.0000	Dist-DSM / EE1-Engy
	7.00	7	EACH		1.0000	Dist-Customer Chrg
	12.80	12.8	KW		5.0000	Dist-Dmd
2,:	350.40	5.4635	KW		430.2000	Dist-Dmd
	47.63	0.36	KVAR	Demand	132.3000	Dist-Reactive Dmd Chrg
	0.00	0	KWH		203200.0000	Dist Uncollectible-Engy
	0.00	0	KWH		203200.0000	Dist-Line Extenstion-Engy
	6.71	0.000033	KWH		203200.0000	PIPP Uncollectible-Engy
	386.15	0.8873	KW		435.2000	Dist-Delivery Serv Improv-Dmd
	1.95	0	EACH		0.0000	State kWh Tax (CAT)-Engy
(583.17	0.00363	KWH		188200.0000	State Tax - Total KWH
	54.47	0.00419	KWH		13000.0000	State Tax - Total KWH

9.30 0.00465	KWH	2000.0000	State Tax - Total KWH
0.57 0.565	EACH	1.0000	Dist-AMI rider-Cust Chrg
935.94 0.004606	KWH	203200.0000	Gener-EDR (e) Std Chrg-Engy
73.56 0.000362	KWH	203200.0000	Gener-DFC Recovery-Engy
-64.21 -0.00031	KWH	203200.0000	Gener-Cost Rev True-Up -Engy
0.00 0	KWH	203200.0000	Gener-Delta Rev Rec (Oth)-Engy
865.23 0.004258	KWH	203200.0000	Dist- NRes Def Dist Cost-Engy
344.71 0.001696	KWH	203200.0000	Universal Service - Total KWH
0.00 0	EACH	1.0000	Energy Eff Revolving Loan Fund

Meter Location: J C PENNEY CO 2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 5,768.21

Account: 110006809427 Billing Date: 04/29/11

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000264273580

Service Agreement ID: 08005293750000229047

Account: 1-208391546

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: CONSTELLATION NEWENERGY INC-OH

Billing Address: J C PENNEY CO

 ${\tt Meter\ Location:\ J\ C\ PENNEY\ CO}$

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 05/20/11

Previous Month: 5,768.21
Balance Forward: 0.00
Total Due: 4,949.58
Current Bill: 4,949.58

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement			Value	Unit of Mea Begin		Begin	Ending	Significance
Actual/I		Multiplier Multiplier Multiplier	160 160 160 145920 428.5	KWH KW KVAR I KWH KW	Demand	25641	26553 2.678 1.261	Total Total Total
Billed A	Actual		201.8	KVAR I	Demand			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 03/29/11 Service Period End Date: 04/28/11

37.94 0.00026 KWH 145920.0000 Dist-DSM / EE1-Engy	
37.34 0.00020 KWH 143320.0000 DISC-DSM / EEI-EHGY	
0.00 0 KWH 145920.0000 Dist-DSE rider-DSE2	
0.00 0 KWH 131840.0000 Dist Uncollectible-Engy	
0.00 0 KWH 145920.0000 Dist-Line Extenstion-Engy	
380.21 0.8873 KW 428.5000 Dist-Delivery Serv Improv-Dmd	
0.46 0.000033 KWH 14080.0000 PIPP Uncollectible-Engy	
7.00 7 EACH 1.0000 Dist-Customer Chrg	
4.35 0.000033 KWH 131840.0000 PIPP Uncollectible-Engy	
1.41 0 EACH 0.0000 State kWh Tax (CAT)-Engy	
475.24 0.00363 KWH 130920.0000 State Tax - Total KWH	
54.47 0.00419 KWH 13000.0000 State Tax - Total KWH	
9.30 0.00465 KWH 2000.0000 State Tax - Total KWH	
0.00 0 KWH 14080.0000 Dist Uncollectible-Engy	

72.65	0.36	KVAR Demand	201.8000	Dist-Reactive Dmd Chrg
2,313.79	5.4635	KW	423.5000	Dist-Dmd
12.80	12.8	KW	5.0000	Dist-Dmd
0.46	0.504	EACH	1.0000	Dist-AMI rider-Cust Chrg
0.05	0.565	EACH	1.0000	Dist-AMI rider-Cust Chrg
64.85	0.004606	KWH	14080.0000	Gener-EDR (e) Std Chrg-Engy
575.61	0.004366	KWH	131840.0000	Gener-EDR (e) Std Chrg-Engy
52.82	0.000362	KWH	145920.0000	Gener-DFC Recovery-Engy
-4.45	-0.00031	KWH	14080.0000	Gener-Cost Rev True-Up -Engy
21.75	0.000165	KWH	131840.0000	Gener-Cost Rev True-Up -Engy
0.00	0	KWH	131840.0000	Gener-Delta Rev Rec (Oth)-Engy
0.00	0	KWH	14080.0000	Gener-Delta Rev Rec (Oth)-Engy
621.33	0.004258	KWH	145920.0000	Dist- NRes Def Dist Cost-Engy
247.54	0.001696	KWH	145920.0000	Universal Service - Total KWH
0.00	0	EACH	1.0000	Energy Eff Revolving Loan Fund

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 4,949.58

Account: 110006809427 Billing Date: 05/27/11

Purchase Order#: UTILITY PR=Product/Service 00=Original

Service Account: 110006809427 Identifier: 0000000268639641

Service Agreement ID: 08005293750000229047

Account: 536800

Old Account: 2110040007670010

Remittance Address: OE-DISTRIBUTION

Information Contact Ohio Edison

Tele: 1-800-633-4766

Energy Service Provider: FIRSTENERGY SOLUTIONS CORP-OH

Billing Address: J C PENNEY CO

Meter Location: J C PENNEY CO

2442 ROMIG RD AKRON, OH 44320

Net Due Date: 06/17/11

Previous Month: 4,949.58
Balance Forward: 0.00
Total Due: 13,741.30
Current Bill: 13,741.30

ELECTRIC SERVICE:

AssignID:1

Classification of RATE

Category of Measurement		Value	Unit of	Mea Begin	Ending	Significance	
estimated/actual	Multiplier	 160	 KWH	26553	26553	Total	
Actual/Actual	Multiplier	160	KWH	26553	27582	Total	
Actual/Actual	Multiplier	160	KW		2.914	Total	
Actual/Actual	Multiplier	160	KVAR Dem	and	1.338	Total	
Billed Actual		164640	KWH				
Billed Actual		466.2	KW				
Billed Actual		214.1	KVAR Dem	and			

Meter: 909479853 Rate Class: OE-GSD

Service Period Start Date: 04/29/11 Service Period End Date: 05/26/11

	Amount	Rate	Unit	Of	Mea	Quantity	Description
_	68.71	0.001252	KWH			54880.0000	Dist-DSE rider-DSE2
	0.00	0	KWH			109760.0000	Dist-DSE rider-DSE2
	42.81	0.00026	KWH			164640.0000	Dist-DSM / EE1-Engy
	5.43	0.000033	KWH			164640.0000	PIPP Uncollectible-Engy
	413.66	0.8873	KW			466.2000	Dist-Delivery Serv Improv-Dmd
	0.00	0	KWH			164640.0000	Dist-Line Extenstion-Engy
	0.00	0	KWH			164640.0000	Dist Uncollectible-Engy
	77.08	0.36	KVAR	Den	nand	214.1000	Dist-Reactive Dmd Chrg
	2,519.77	5.4635	KW			461.2000	Dist-Dmd
	12.80	12.8	KW			5.0000	Dist-Dmd
	7.00	7	EACH			1.0000	Dist-Customer Chrg
	1.58	0	EACH			0.0000	State kWh Tax (CAT)-Engy

543.19	0.00363	KWH	149640.0000	State Tax - Total KWH
54.47	0.00419	KWH	13000.0000	State Tax - Total KWH
9.30	0.00465	KWH	2000.0000	State Tax - Total KWH
0.50	0.504	EACH	1.0000	Dist-AMI rider-Cust Chrg
718.82	0.004366	KWH	164640.0000	Gener-EDR (e) Std Chrg-Engy
59.60	0.000362	KWH	164640.0000	Gener-DFC Recovery-Engy
0.00	0	KWH	164640.0000	Gener-Delta Rev Rec (Oth)-Engy
27.17	0.000165	KWH	164640.0000	Gener-Cost Rev True-Up -Engy
701.04	0.004258	KWH	164640.0000	Dist- NRes Def Dist Cost-Engy
279.30	0.001696	KWH	164640.0000	Universal Service - Total KWH
0.00	0	EACH	1.0000	Energy Eff Revolving Loan Fund
8,199.07	0.0498	KWH	164640.0000	Energy Charge - Total KWH

2442 ROMIG RD AKRON, OH 44320

TOTAL DUE: 13,741.30

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

6/24/2011 5:05:39 PM

in

Case No(s). 11-3903-EL-EEC

Summary: Application In the matter of First Energy for the Mercantile Program by the company JC Penney electronically filed by Marcello C Crestani on behalf of RealWinWin