

# CONSUMERS ENERGY BUSINESS ENERGY EFFICIENCY PROGRAM

2017 Incentive Application



**HELPING MICHIGAN BUSINESSES SAVE ENERGY.  
THAT'S OUR PROMISE.**

February 2017

**Consumers Energy**

*Count on Us<sup>®</sup>*



## **NEED HELP ?**

**Call 877-607-0737**

**or Email:** [ConsumersEnergyBusinessSolutions@CMSEnergy.com](mailto:ConsumersEnergyBusinessSolutions@CMSEnergy.com)

Our team is ready to help you with any questions you may have.

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## About This Application

Consumers Energy Business Energy Efficiency Program offers incentives to help businesses reduce energy use by improving the efficiency of their equipment. Prescriptive incentives are cash incentives for implementing many common energy efficiency improvements. Custom incentives are cash incentives for making energy efficiency improvements not covered by Prescriptive incentives.

All Consumers Energy commercial and industrial customers are eligible for Prescriptive and Custom incentives.

## How to Apply

### 1 CHECK PROJECT AND EQUIPMENT ELIGIBILITY

- All installed equipment must meet or exceed specifications described in the Program Catalog available at [www.ConsumersEnergy.com/mybusiness](http://www.ConsumersEnergy.com/mybusiness)

### 2 SUBMIT A PRE-NOTIFICATION APPLICATION

- A pre-notification application is required for most projects, including all custom projects, new construction projects, and projects whose requested incentive is greater than \$10,000. Check the incentive application and the program catalog for the measures you plan to install to see if a pre-notification application is required.
- Wait until your application is approved before starting your project. You will receive a reservation letter stating your project has been approved and the amount of incentive reserved.

### 3 INSTALL EQUIPMENT OR PERFORM PROJECT WORK


- The incentive reservation allows you 90 days to complete your project. Contact the Business Energy Efficiency Program team if you think your project will require more than 90 days.
- New construction projects must complete the work within 18 months of an incentive reservation.

### 4 SUBMIT A FINAL APPLICATION

- Submit a final application as soon as your project is completed and any required measurement and verification (M&V) data is collected. Final applications must be submitted within 60 days of project completion.

### RECEIVE INCENTIVE PAYMENT

- When your final application is approved by the Business Energy Efficiency Program team, an incentive check will be mailed to you or your designee. Checks are typically mailed within 6 to 8 weeks.



 **DIRECTIONS:** Please save a copy of this form to your computer by selecting "File>Save As..." before entering text and numbers. Then fill in your information electronically and select "Save" Note that this form requires Adobe Reader® version 11.0 to function properly. Download the most recent version of Adobe Reader® at <http://get.adobe.com/reader>.

**A** Complete the pre-notification application if you are applying for a project that requires pre-notification.

**B** Complete the final application if your project was completed within the last 60 days.


## Application Checklist

### PRE-NOTIFICATION APPLICATION

  Attach the following (incomplete applications will not be processed)

- 1. Completed applicant information (page 6 of this application).
- 2. Supporting documentation (detailed description of project and equipment per measure specifications in the program catalog).
- 3. Specification sheets for all proposed equipment.
- 4. Business energy efficiency measure worksheets for incentives requested.



### NEW CONSTRUCTION PRE-NOTIFICATION APPLICATION

 Attach the following (incomplete applications will not be processed): New construction projects **MUST** complete a pre-notification application. Final applications will **NOT** be accepted without a pre-notification.

Measures that qualify for new construction are designated by a “” symbol on the left of the measure.


- 1. Completed applicant information (page 6 of this application).
- 2. Supporting documentation (detailed description of project and equipment per measure specifications in the program catalog).
- 3. Specification sheets for all proposed equipment.
- 4. Business energy efficiency measure worksheets for incentives requested.

### FINAL APPLICATION

  Attach the following (incomplete applications will not be processed)

- 1. Completed applicant information (page 6 of this application) customer signature page and/or payment release (page 7 of this application).
- 2. Dated and itemized invoices listing the type and quantity of installed equipment.
- 3. Scope of work depicting the type and quantity of installed equipment (as necessary).
- 4. Specification sheets for installed equipment, if different from previously submitted.
- 5. Business energy efficiency measure worksheets for incentives requested.
- 6. Copy of payee's W-9.

### Submit Application by **ONE** of the following methods:

 Mail: Consumers Energy Business Energy Efficiency Program  
P.O. Box 1040 Okemos, MI 48805  
Phone: 877-607-0737  
Fax: 877-607-0738  
Email: [ConsumersEnergyBusinessSolutions@CMSEnergy.com](mailto:ConsumersEnergyBusinessSolutions@CMSEnergy.com)  
Submit Button: located on respective Interactive PDF pages

## Incentive Caps And Limits

Incentives are subject to limits in order to encourage equitable distribution of the funds among as many Consumers Energy customers as possible. Incentive caps are annual and are calculated based upon which program year the incentive is paid to the customer.

### Customer Annual Limits

The amount of incentives a facility or customer can receive is limited. A facility is defined as contiguous property for which a single customer is responsible for paying the Consumers Energy electricity and/or natural gas bill. A customer is defined as the organization under which the company (or companies) are owned or operated, regardless of who is responsible for paying the bill. Program year incentive limits are per facility for customer incentives as shown below.

<b>Prescriptive Incentives</b>	75 percent of the total project cost
<b>Custom Incentives</b>	50 percent of the total project cost
<b>Customer Incentive Limit</b>	\$2,000,000 across all facilities per customer
<b>Large Gas Customers (&gt;100,000 Mcf/yr. usage)</b>	\$200,000 per unique project (capped at \$500,000 per facility) Only applies to gas incentives

## Bonus Incentives

### Buy Michigan Bonus

Customers who use Michigan-made products in their energy saving projects may be eligible for an additional bonus incentive. An affidavit from the manufacturer attesting the product's eligibility is required.

# Applicant Information

Type of Application:  Retrofit Project  New Construction

Who should we call with questions about the application?  Customer  Technical Contact

This is my:  Pre-Notification Application  Final Application  Revised Application PROJECT # CE-17-\_\_\_\_\_

## How did you hear about us?

- Radio
- TV
- Billboard
- Internet
- Email
- Prior Participant
- Direct Mail
- Sporting Event
- Contractor
- Consumers Energy Account Manager
- Energy Advisor
- Other \_\_\_\_\_

## Customer Information

Company Name (as it appears on W-9)\* \_\_\_\_\_

Contact Name \_\_\_\_\_ Title \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Consumers Energy Gas Account Number (at Project Location)

Consumers Energy Electric Account Number (at Project Location)

### Primary Business Type

- Agriculture
  - Assembly (worship)
  - Big Box Retail
  - Small Retail
  - School (K-12)
  - High School
  - College/University
  - Grocery
  - Fast Food Restaurant
  - Full Service Restaurant
  - Hospital
  - Hotel
  - Small Office
  - Large Office
  - Heavy Industrial
  - Light Industrial
  - Warehouse
  - Multifamily
  - Other
- Facility Size (Area) ft<sup>2</sup> \_\_\_\_\_

## Customer Tax Information (Required for all applications)

Tax Status\*\*  Corporation (Inc., PC, Etc.)  Tax-Exempt  LLC  Individual  Other (May receive 1099)

Tax ID Number: Please provide your EIN/Federal Tax ID below.

EIN/Federal Tax ID

-

## Project Information

Project Name (If Applicable) \_\_\_\_\_

Installation Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Estimated Completion Date \_\_\_\_\_ Total Incentive Requested \_\_\_\_\_

## Technical Contact Information (Trade Ally, Contractor, Designer, etc.)

Company Name \_\_\_\_\_ Contact Name \_\_\_\_\_

Email \_\_\_\_\_ Title \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

▶ \* Company name as it appears on your W-9.  
 ▶ \*\* W-9 must be provided for payee with application.

## Final Application / Customer Signature

MEASURE CATEGORY	CATEGORY TOTAL (BEFORE)	BUY MICHIGAN
Lighting		
Lighting Controls		
Variable Frequency Drives (VFD)		
Compressed Air		
Miscellaneous Electric		
Manufacturing		
HVAC & Heating Equipment		
Domestic Water Heater		
Building Automation Systems		
Advanced Air Distribution & Energy Recovery		
Laboratory		
Tune-Up/Maintenance		
Kitchen/Refrigeration/Laundry		
Building Envelope & Insulation		
Pipe And Ductwork Insulation		
Agricultural		
LEED® Whole Building		
Custom		

INCENTIVE TOTALS	
Measure Subtotal	
20% Buy Michigan Bonus	
Incentive Total	

**Important:** Please read the Terms and Conditions before signing and submitting this application. A customer signature is required for payment. Checks will be made out to name of applicant's business unless payment is released as below.

Incentive Requested		
Total Project Cost	Total Incentive Requested	Actual Completion Date
Company Name*		Project #
Customer Signature		Date
Print Name		Title

▶ Upon signing, I am stating that I have read and understand the Terms and Conditions set forth by this program.

**Third Party Payment Release**     Trade Ally     Property Manager

▶ **SKIP THIS SECTION IF REBATE CHECK WILL BE MADE PAYABLE TO CUSTOMER**

I am authorizing the payment of the incentive to the third party named below, and I understand that I will not be receiving the incentive payment. I also understand that my release of the payment to a third party does not exempt me from the program requirements outlined in the Incentive Catalog, Final Application Agreement and Terms and Conditions.

**Authorized By:**

Customer Name	Signature	Date
<b>Check should be made payable to:</b>		
Individual/Company Name*		Phone #
Mailing Address		
City	State	Zip

**Tax Status\*\***     Corporation (Inc., PC, Etc.)     Tax-Exempt     LLC     Individual     Other (May receive 1099)

**Tax ID Number:** Please provide your EIN/Federal Tax ID below.

EIN/Federal Tax ID

<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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- ▶ PLEASE NOTE THAT THIS DOCUMENT WILL REQUIRE RE-SAVING EACH TIME A DIGITAL SIGNATURE IS USED.
- ▶ \*Company Name as it appears on your W-9.
- ▶ \*\* W-9 must be provided for payee with application.



## Terms and Conditions

As an eligible Consumers Energy customer, I certify the indicated energy efficiency measures were installed during the 2017 program year. The energy optimization measures are installed in a qualifying facility and not for resale. Additional Program Terms and Conditions may be found in the Policy and Procedures Manual available at [ConsumersEnergy.com/mybusiness](http://ConsumersEnergy.com/mybusiness).

I understand that in the event the application received a reservation, that reservation is not a guarantee of payment. Incentive payment will be based upon the Final Application meeting the Program Terms and Conditions.

### Selected terms and conditions include, but are not limited to:

- Project funds are reserved for 90 days from the date of the reservation letter (18 months for New Construction projects). Final applications and all required documentation must be received within 60 days of project completion.
- The program has a limited budget, but is an annual program. Applications will be processed until allocated funds are fully subscribed or spent each program year. Incentive amounts are subject to change at any time within the program year; however, reserved incentive amounts will be honored within a program year.
- New Construction final applications must be received by November 30<sup>th</sup> of the program year to qualify for the current year's funding. Multi-year project incentives may vary in accordance with program year changes.
- All equipment must be purchased and installed prior to submitting the Final Application.
- All equipment installed must meet the minimum specifications as stated in the Incentive Catalog and in the Program Terms and Conditions. Failure to meet the minimum specifications will result in disqualification of the measure or incentive payment.
- Applicant agrees to inspection and measurement activities by the utility or its representatives of both project payment and equipment installation for up to five (5) years.
- Incentives may be taxable, and the applicant is solely responsible for the payment of any resulting taxes. Incentives will be reported to the IRS, unless applicant is corporation or exempt.
- The applicant may be required to refund some or all of the incentives if the measures do not remain (or were not) installed for a period of five (5) years or the end of the product life, whichever is less.
- All materials removed, including lamps and PCB ballasts, must be taken out of service permanently and disposed of in accordance with local, state and federal codes and ordinances. The Applicant is responsible for being aware of any applicable codes or ordinances. Information about hazardous waste disposal may be found at: [www.michigan.gov/deq](http://www.michigan.gov/deq).
- For certain measures, the incentive amount will be determined based on the estimated energy savings. The Applicant may be required to provide documentation on energy savings calculations and assumptions. Consumers Energy will make the final determination of the energy savings and thus the incentive amount to be paid.
- Consumers Energy has no obligations regarding and does not endorse or guarantee any claims, promises, work, or equipment made, performed, or furnished by any contractors or equipment vendors that sell or install any energy efficiency measure.
- I have read and understand the program requirements, Measure Specifications and Program Guidelines set forth in this Application, the Incentive Catalog and the program Policy and Procedures Manual and agree to abide by those requirements. Furthermore, I concur that I must meet all eligibility criteria in order to be paid under this program and not receive incentives from any other utility for the same project.
- I certify that the information on this Application is true and accurate. I understand that Consumers Energy and its authorized agents may utilize my account information and project scope to evaluate my Application for compliance with the program Policy and Procedures Manual. I authorize Consumers Energy to utilize certain information including, my company name, energy savings and incentive value for regulatory and promotional purposes. If I choose to opt out of any recognition, I must indicate this choice in a written letter to the Consumers Energy Business Energy Efficiency Program team.
- Reserved incentive amounts are not guaranteed and the actual amounts will be based on a review of the final Application and supporting documentation (and may be capped at the reserved amount).
- The final incentive amount will be based on the program requirements for the year which the file is paid.



# Lighting

(Consumers Energy Electric Customers)

## Light-Emitting Diode (LED) Lighting

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
LT101	LED PAR Replacing Halogen PAR	\$10.00	Lamp		
LT102	LED MR16 Replacing Halogen MR16	\$6.00	Lamp		
LT103	LED A-Series Replacing Incandescent A-Series	\$7.50	Lamp		
LT104	LED Candelabra and Globe Replacing Incandescent Candelabra and Globe	\$5.00	Lamp		
LT105	LED BR-Series Replacing Incandescent BR-Series	\$10.00	Lamp		
LT106	LED Lamp with WiFi Controls Replacing Incandescent	\$7.50	Lamp		
LT107	LED Lamp Replacing CFL	\$1.00	Lamp		



## Compact Fluorescent Light (CFL)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
LT108	CFL-Screw-in (30W or less)	\$2.00	Lamp		
LT109	CFL-Screw-in (31W to 115W)	\$5.00	Lamp		



## Exit Sign, Retrofit, or Replacement

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
LT110	LED, T1, or Electroluminescent Exit Sign	\$12.50	Fixture		



## Fluorescent Lighting Retrofits

ID	LINEAR FLUORESCENT RETROFIT	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
LT111	2-Foot T12 to T8 or T5 (with Ballast)	\$1.50	Lamp		
LT112	3-Foot T12 to T8 or T5 (with Ballast)	\$2.50	Lamp		
LT113	4-Foot T12 to CEE T8 (with Ballast)	\$1.00	Lamp		
LT114	4-Foot Standard T8 to 28 Watt or 25 Watt CEE T8 (lamp only)	\$0.75	Lamp		
LT115	8-Foot T12 to Two (2) 4-Foot CEE T8	\$3.00	8-Foot Lamp Replaced		
LT116	8-Foot T12 HO to Two (2) 4-Foot CEE T8	\$7.00	8-Foot Lamp Replaced		



▶ NOTE: T12 fluorescent 4-foot and 8-foot lighting systems (including U-tube) to standard T8 fluorescent lighting systems are NOT eligible for an incentive.

ID	PERMANENT LAMP REMOVAL (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
LT117	T8 or T12 2-Foot or 3-Foot Lamp Removal (Combined with T8 Ballast Retrofit)	\$1.50	Lamp Removed		
LT118	T8 or T12 4-Foot Lamp Removal (Combined with T8 Ballast Retrofit)	\$5.00	Lamp Removed		
LT119	T8 or T12 8-Foot Lamp Removal (Combined with T8 Ballast Retrofit)	\$12.00	Lamp Removed		
ID	LED TUBE LIGHTS (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
LT120	2-Foot T12 to 2-Foot LED Tube Light	\$2.50	Lamp		
LT121	2-Foot T8 to 2-Foot LED Tube Light	\$1.00	Lamp		
LT122	4-Foot T12 to One (1) 4-Foot LED Tube Light	\$5.00	Lamp		
LT123	4-Foot T8 to One (1) 4-Foot LED Tube Light (Low Bay)	\$5.00	Lamp		
LT127	4-Foot T8 to One (1) 4-Foot LED Tube Light (High Bay)	\$7.00	Lamp		
LT124	4-Foot T5 to One (1) 4-Foot LED Tube Light (Low Bay)	\$3.00	Lamp		
LT128	4-Foot T5 to One (1) 4-Foot LED Tube Light (High Bay)	\$4.00	Lamp		
LT125	8-Foot T12 to Two (2) 4-Foot LED Tube Light	\$10.00	8-Foot Lamp Replaced		
LT126	8-Foot T8 to Two (2) 4-Foot LED Tube Light	\$7.00	8-Foot Lamp Replaced		





All lighting projects are expected to comply with the Illuminating Engineering Society of North America (IESNA) recommended lighting levels or the local code. Note: PCB ballasts and certain lamps are hazardous materials and must be disposed of in compliance with local requirements.

▶ Consortium for Energy Efficiency (CEE): [www.cee1.org](http://www.cee1.org)

**Subtotal Lighting Incentive - Page 1**



Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  qualifies New Construction.



**Non-Defined Lighting Measures (Pre-Notification Required)**

ID	FIXTURE TYPE	INCENTIVE (A)	UNIT
LT301	Lumens per Watt Improvement per Year**	\$0.10	kWh
LT302	Energy Conservation Improvement per Year	\$0.05	kWh

▶ \*\* At least a 5% lumens per watt systems improvement

BRIEF DESCRIPTION OF EXISTING LIGHTING SYSTEM	ANNUAL HRS OF OPERATION (B)	MEAN LUMENS/WATT (C)	# OF FIXTURES (D)	WATTS PER FIXTURE (E)	TOTAL LUMENS (C x D x E = F)	TOTAL WATTS (D x E = G)	TOTAL kWh/YR (B x G/1,000 =H)
<b>Totals</b>							



BRIEF DESCRIPTION OF NEW LIGHTING SYSTEM	ANNUAL HRS OF OPERATION (I)	MEAN LUMENS/WATT (J)	# OF FIXTURES (K)	WATTS PER FIXTURE (L)	TOTAL LUMENS (J x K x L=M)	TOTAL WATTS (K x L=N)	TOTAL kWh/YR (I x N/1,000 =P)
<b>Totals</b>							

ELECTRICAL UTILITY RATE (\$/kWh) (Q)	PROJECT COST (\$) (R)	LUMENS/WATT OF EXISTING SYSTEM (F/G=S)	LUMENS/WATT OF NEW SYSTEM (M/N=T)	LUMENS/WATT PERCENT IMPROVEMENT (T/S-1 = U)	ANNUAL SAVINGS kWh/YRS (H-P=V)	ANNUAL COST SAVINGS (\$/YRS) (QxV=W)	SIMPLE PAYBACK PERIOD (YRS) (R/W)	INCENTIVE RATE (\$/kWh) (A)	TOTAL INCENTIVE (VxA)
<b>Total Awarded Incentive (Lesser of 1/2 Project Cost (R) or Total Incentive (V x A)) *Simple Payback Must Be Between 1 and 8 Years</b>									

▶ NOTE: Standard T8 fluorescent lighting systems are NOT eligible for an incentive.

**Subtotal Lighting Incentive - Page 3**






Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.



**Lighting Power Density For New Construction Projects (\*Pre-Notification Required)**

ID	NEW FIXTURE MEASURES	INCENTIVE	UNIT
LT401	Interior Lighting	\$0.40	Watt Reduced
LT402	Exterior Lighting	\$0.40	Watt Reduced
LT403	Parking Garage Lighting	\$0.60	Watt Reduced



	BUILDING TYPE DESCRIPTION OF FACILITY SPACE	OCCUPIED AREA (Ft <sup>2</sup> )	TOTAL ALLOWED WATTS (B)	TOTAL PROPOSED WATTS (C)	TOTAL WATTS REDUCED (D=B-C)	TOTAL INCENTIVE (\$)
 INTERIOR						
						(D x 0.40)
	Total					
 EXTERIOR						
						(D x 0.40)
	Total					
 PARKING GARAGE						
						(D x 0.60)
	Total					
<b>Total Incentive</b>						

► All lighting projects are expected to comply with the Illuminating Engineering Society of North America (IESNA) recommended lighting levels or the local code.

<b>Subtotal Lighting Incentive - Page 4</b>	<input type="text"/>
<b>Total Lighting Incentive</b>	<input type="text"/>

**Print This Form**






**Submit Via Email**

Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.



# Lighting Controls

## Lighting Controls (\*Pre-Notification Required)

ID	MEASURE	# OF SENSORS	INCENTIVE (A)	UNIT	# OF UNITS (B)	TOTAL INCENTIVE (AxB)	
LC101	Interior Lighting Occupancy Sensors(i)	<del> </del>	\$25.00	Sensor			<input type="checkbox"/>
LC102	Interior Lighting Occupancy Sensors(i)	<del> </del>	\$0.08	Watts Controlled			<input type="checkbox"/>
LC103	Interior Lighting Occupancy & Daylight Sensor Controls*		\$0.12	Watts Controlled			<input type="checkbox"/>
LC104	Central Lighting Controls*		\$0.06	Square Foot			<input type="checkbox"/>
 LC105	Daylight Sensor Controls*		\$0.09	Watts Controlled			<input type="checkbox"/>
 LC106	Interior Stairwell Lighting Controls*		\$0.40	Watts Controlled			<input type="checkbox"/>
 LC107	Exterior Multi-Step Dimming Occupancy Sensors*		\$0.09	Watts Controlled			<input type="checkbox"/>
 LC108	Exterior Multi-Step Dimming Timer Controls*		\$0.09	Watts Controlled			<input type="checkbox"/>

▶ (i) Pick one or the other per space controlled.

**Total Lighting Controls**

[Print This Form](#)


[Submit Via Email](#)
















### Integrated Variable Speed Motor (ECM) for Fans

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	# OF MOTORS	TOTAL INCENTIVE
 VF301	Integrated Variable Speed Motor (ECM) for Furnaces, UVs, FCs and Light Duty AHUs (up to 7.5 HP)	\$100.00	HP			

### Integrated Variable Speed Motor (ECM) for Pumps



ID	MEASURE	INCENTIVE	UNIT	# OF WATTS	# OF MOTORS	TOTAL INCENTIVE
 VF302a	ECM on Domestic Hot Water Recirculation	<500w	\$100.00	ECM Motors		
 VF302b		500w to 1,000w	\$250.00	ECM Motors		
 VF302c		>1,000w	\$500.00	ECM Motors		
 VF303a	ECM on Hydronic Heating	<500w	\$50.00	ECM Motors		
 VF303b		500w to 1,000w	\$150.00	ECM Motors		
 VF303c		>1,000w	\$450.00	ECM Motors		
 VF304a	ECM on Chilled Water Circulation	<500w	\$25.00	ECM Motors		
 VF304b		500w to 1,000w	\$100.00	ECM Motors		
 VF304c		>1,000w	\$200.00	ECM Motors		

► 1hp = 745.7 watts; example: a ¼ hp motor is 46.6 watts.

**Subtotal VFD Incentive - Page 3**

**Total VFD Incentive**



Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.

## Compressed Air

(Consumers Energy Electric Customers, unless otherwise stated)




















### Compressed Air Energy Audit (Pre-Notification Required)

ID	EQUIPMENT TYPE	BASELINE SPECIFIC POWER (kW/100 ACFM)	PROPOSED SPECIFIC POWER (kW/100 ACFM)	TOTAL AIR LEAK FLOW RATE (CFM)	INCENTIVE	UNIT	SIZE OF UNITS	TOTAL INCENTIVE
CA101	Compressed Air Energy Audit				\$15.00	HP		
CA102	Compressed Air Energy Audit with Metered Flow				\$20.00	HP		

### Correct Sizing Compressed Air Systems (Pre-Notification Required)

ID	EQUIPMENT TYPE	INCENTIVE	UNIT	SIZE OF UNITS	TOTAL INCENTIVE
CA103	Correct Sizing Compressed Air System (Per HP Reduced)	\$50.00	HP		

### Compressed Air (\*Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 CA104	VSD Air Compressor (50 HP to 300 HP) (Single Air Compressor System)*	\$150.00	HP		
 CA105	VSD Air Compressor (50 HP to 300 HP) (Multiple Air Compressor System)*	\$150.00	HP		
 CA106	VSD Air Compressor (Less than 50 HP) (Single Air Compressor System)*	\$125.00	HP		
 CA107	Variable Displacement (VD) Air Compressor*	\$35.00	HP		
 CA108	Two Stage Rotary Screw Air Compressor (VSD/VD/LNL Type)*	\$20.00	HP		
 CA109	Refrigerated Cycling Thermal Mass Air Dryer*	\$1.00	SCFM		
 CA110	Refrigerated Cycling Variable Speed Drive Air Dryer*	\$2.00	SCFM		
 CA111	Refrigerated Cycling, Digital Scroll Air Dryer*	\$1.50	SCFM		
CA112	Air Dryer, Desiccant to Refrigerated*	\$4.00	SCFM		
 CA113	Heated Blower Purge Desiccant Compressed Air Dryer*	\$4.00	SCFM		
 CA114	Compressed Air Desiccant Dryer, Dewpoint Sensor Control*	\$2.00	SCFM		
 CA115	Heat of Compression Air Dryer*	\$4.00	SCFM		
 CA116	Low-Pressure Drop Air Filter	\$5.00	HP		
 CA117	Zero Loss Condensate Drain	\$100.00	Drain		
 CA118	Zero Loss Condensate Drain, Float Style	\$200.00	Drain		
CA119	Pneumatic Air Tools Replaced with Electric Tools*	\$100.00	Tool		
CA120	Pneumatic Air Tools Replaced with Electric Cordless Tools*	\$70.00	Tool		
CA121	Electric Motors Replacing Pneumatic Motors*	\$100.00	HP		
CA122	Compressed Air Applications Replaced with Air Blowers*	\$450.00	HP (Air Blower)		
 CA123	Compressed Air Engineered Nozzle (at Least 1,000 hrs/yr)*	\$150.00	Unit		
 CA124	Compressed Air Pressure Flow Controller*	\$10.00	HP		
 CA125	Air Compressor Outdoor Air Intake	\$4.00	HP		
 CA126	Air Compressor Waste Heat Recovery (Consumers Energy Natural Gas Customers Only)*	\$50.00	HP		
 CA127	Compressed Air Storage Tank*	\$50.00	HP		



**Total Compressed Air Incentive**

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Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  qualifies New Construction.




## Miscellaneous Electric

(Consumers Energy electrical customers)

### Power Management

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 ME101	Intelligent Surge Protector	\$4.00	Unit		
 ME102	Advanced Power Strips (Tier 2)	\$25.00	Unit		
 ME103	Network Power Management Software	\$12.00	Per PC Controlled		
 ME104	Beverage Vending Machine Controllers	\$65.00	Unit		
 ME105	Drinking Water Cooling Miser	\$50.00	Unit		
 ME106	Snack Vending Machine Miser	\$30.00	Unit		
 ME107	Engine Block Heater Controls	\$50.00	Heater		

### Miscellaneous

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 ME108a	Cogged V-Belt Drives	1 to 25 HP	HP		
 ME108b		30 to 500 HP	HP		
 ME109	High-Efficiency Hand Dryer	\$100.00	Unit		

**Total Miscellaneous Electric Incentive**



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 qualifies New Construction.

## Manufacturing

### Industrial Process Improvement (Pre-Notification Required)

ID	MEASURE	ANNUAL PRODUCTION RATE (LB / YR)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
MA101a	All-Electric or Hybrid Injection Mold Machines	All-Electric	\$35.00	Ton		
MA101b		Hybrid	\$30.00	Ton		
MA102	Fiber Laser Cutting Replacing Carbon Dioxide Laser Cutting		\$2,600	Output KW		
MA103	Process Dryer Flow Rate Control Unit Relative Humidity Sensor (Dryer Exit Temperature of at least 150 °F)		\$4.00	CFM Reduced		
MA104	Dewpoint Sensor Control For Desiccant Plastic Dryer		\$50.00	kW of the Heating Element		

### Process Ventilation Reduction (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
MA105	Process Heating Ventilation Reduction (Consumers Energy Natural Gas Customers)	\$1.50	CFM Reduced		
MA106	Process Fan Ventilation Reduction (Consumers Energy Electric Customers)*	\$0.15	CFM Reduced		
MA107	Process Fan Ventilation Reduction (Consumers Energy Electric Customers)*	\$175.00	HP Controlled		
MA108	Decreasing Oven Exhaust Flow Rate (NG Heat) (200 °F to 600 °F)	\$0.75	CFM Reduced		
MA109	Decreasing Oven Exhaust Flow Rate (NG Heat) (601 °F to 1200 °F)	\$1.25	CFM Reduced		
MA110	Decreasing Oven Exhaust Flow Rate (Electric Heat) (200 °F to 600 °F)	\$20.00	CFM Reduced		
MA111	Decreasing Oven Exhaust Flow Rate (Electric Heat) (601 °F to 1200 °F)	\$30.00	CFM Reduced		

▶ \* Pick one or the other per facility.

### Process Energy Recovery (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE
MA112a	RTO (Recuperative/Regenerative Thermal Oxidizers) Retrofit	2 Shift	\$75.00	CFM		
MA112b		3 Shift	\$100.00	CFM		
MA113a	RTO (Regenerative Thermal Oxidizers) New Construction	2 Shift	\$50.00	CFM		
MA113b		3 Shift	\$60.00	CFM		

### Misc Industrial Electric (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
MA114a	Smart Battery Charging Stations (New or replacement 3-phase high frequency battery chargers for electric vehicles (i.e. forklifts, Hi-Lo))	1 shift Operation/Day	\$125.00	Unit	
MA114b		2 shift Operation/Day	\$250.00	Unit	
MA114c		Continuous Operation	\$350.00	Unit	
MA115	Barrel Wrap Insulation - Injection Molding and Extrusion	\$100.00	Square Foot		
MA116	Welder, Inverter Style*	\$500.00	Welder		



▶ \* A minimum of 7 continuous days of power monitoring (kW) on one of the typical welders will be required before and after the retrofit to qualify for this incentive.

### Industrial Fans (Pre-Notification Required)

ID	EQUIPMENT TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
MA117	High-Volume, Low-Speed Fans	\$400.00	Fans		
MA118	Destratification Fan (Temperature Gradient Greater than 15 °F) (Consumers Energy Natural Gas Only Customers)	\$0.20	Square Foot		

**Total Manufacturing Incentive**



Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.

# HVAC & Heating Equipment




(Consumers Energy Electric Customers, unless otherwise stated)

## Air Conditioning Systems

ID	EQUIPMENT	SIZE CATEGORY	QUALIFYING EFFICIENCY	INCENTIVE	UNIT
 HV101a	Unitary and Split Air Conditioning Systems and Heat Pumps (IE: RTUs)	< 5.4 Tons	11.6 EER/ 14.0 SEER	\$30.00	Ton
 HV101b		≥ 5.4 to <11.25 Tons	11.5 EER/12.8 IEER	\$40.00	Ton
 HV101c		≥ 11.25 to <20 Tons	11.5 EER/12.3 IEER	\$40.00	Ton
 HV101d		≥ 20 to <63 Tons	10.3 EER/11.1 IEER	\$30.00	Ton
 HV101e		≥ 63 Tons	9.7 EER/10.9 IEER	\$30.00	Ton
 HV102	PTAC or PTHP	All	See Spec	\$30.00	Unit
 HV103	Ductless Air Conditioning or Heat Pump System		10 HSPF/21 SEER	\$30.00	Ton

EQUIPMENT TYPE (SEE ABOVE)	MAKE AND MODEL	EER OR HSPF	SEER OR IPLV	UNIT SIZE (TONS) (A)	QUANTITY (B)	INCENTIVE PER TON (C)	INCENTIVE (A x B x C)

## Computer Room Air Conditioning

ID	EQUIPMENT TYPE	EQUIPMENT SIZE	MIN SCOP	INCENTIVE PER MBH	ACTUAL SCOP	UNIT SIZE MBH	QUANTITY	TOTAL INCENTIVE
 HV104a	High-Efficiency Computer Room Air Conditioning	< 65 MBH	2.86	\$14.00				
 HV104b		≥ 65 MBH to < 240 MBH	2.73					
 HV104c		≥ 240 MBH	2.47					
ID	EQUIPMENT TYPE	RETURN AIR TEMP	INCENTIVE	UNIT	ACTUAL SCOP	UNIT SIZE MBH	QUANTITY	TOTAL INCENTIVE
HV105a	Data Room Hot/Cold Aisle Configuration	Increase by at Least 5 degrees F	\$5.00	MBH	<del> </del>			
HV105b		Increase by at Least 10 degrees F	\$10.00	MBH	<del> </del>			










## Humidification

ID	EQUIPMENT TYPE	INCENTIVE	UNIT	NUMBER OF HUMIDIFIER	TOTAL AREAS SERVED	TOTAL INCENTIVE
HV106	Ultrasonic Humidifier	\$0.10	Square Foot			

**Subtotal HVAC & Heating Equipment Incentive - Page 1**

## HVAC & Heating Equipment

### Chillers

ID	EQUIPMENT TYPE		SIZE (A)	QUALIFYING EFFICIENCY (B)	QUALIFYING INCENTIVE (PER TON)	INCREMENTAL EFFICIENCY UNIT (IEU) (C)	ADDITIONAL INCENTIVE PER IEU (PER TON) (D)
 HV201	Air-Cooled Chiller		ALL	IPLV = 1.04 kW/Ton	\$25.00	0.01 kW/Ton IPLV Reduction	\$2.00
 HV202a	 Water-Cooled Chiller	Centrifugal	< 300 Tons	IPLV = 0.54	\$30.00	0.01 kW/Ton IPLV Reduction	\$2.00
 HV202b			300 to 600 Tons	IPLV = 0.49			
 HV202c			> 600 Tons	IPLV = 0.49			
 HV202d		Rotary Screw, Scroll or Reciprocating	< 75 Tons	IPLV = 0.57			
 HV202e			75 to 150.0 Tons	IPLV = 0.55			
 HV202f			150.1 to 300 Tons	IPLV = 0.52			
 HV202g			> 300 Tons	IPLV = 0.49			

EQUIPMENT TYPE (SEE ABOVE)	MAKE AND MODEL	kW/Ton FULL LOAD	kW/Ton IPLV (F)	UNIT SIZE (TONS) (A)	QUALIFYING EFFICIENCY (B)	QUANTITY (G)	BASE INCENTIVE	INCREMENTAL INCENTIVE	TOTAL INCENTIVE
Example: Air-Cooled Chiller	AC100	1.03	1.02	100	1.04	1	\$3,000	\$400	\$3,400



Total incentive per ton equals the qualifying base incentive per ton plus the incentive per incremental efficiency increase.

For example: One 100-ton air-cooled chiller at 1.02 kW/ton:

Base incentive: (A x G X \$30/ton) or 100 tons x 1 x \$30/ton = \$3,000

Incremental incentive: (A x G x [(B - F)/C] x D) or 100 tons x 1 x [(1.04 - 1.02)/0.01] x \$2.00 = \$400

Total incentive: \$3,400


ID	MEASURE	CUSTOMER TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 HV203	High-Performance HEPA Filter	Consumers Energy Electric Customers	\$0.10	CFM		
 HV204	High-Performance Non-HEPA Filter	Consumers Energy Electric Customers	\$0.02	CFM		

**Subtotal HVAC & Heating Equipment Incentive - Page 2**

## HVAC & Heating Equipment

(Consumers Energy Natural Gas Customers, unless otherwise stated)

### Heating



ID	HYDRONIC BOILER	INCENTIVE	INPUT UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 HV301	HVAC Boiler 86% to 89.9% AFUE or Combustion Efficiency - Level 1	\$0.75	MBH				<input type="checkbox"/>
 HV302	HVAC Boiler at least 90% AFUE or Combustion Efficiency - Level 2	\$1.50	MBH				<input type="checkbox"/>
ID	STEAM OR PROCESS BOILERS	INCENTIVE	INPUT UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 HV303	Process Steam Boilers (at Least 82% Efficient)	\$2.00	MBH				<input type="checkbox"/>
 HV304	HVAC Steam Boilers (at Least 82% Efficient)	\$2.00	MBH				<input type="checkbox"/>
 HV305	Process Hydronic (Water) Boilers (at Least 82% Efficient)	\$1.20	MBH				<input type="checkbox"/>
 HV306	High-Efficiency Pool Water Heater (at Least 84% Efficient)	\$1.25	MBH				<input type="checkbox"/>
ID	FURNACE/UNIT HEATER TYPE/AHU TYPE	INCENTIVE	INPUT UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 HV307	High-Efficiency Furnace or Unit Heater (at Least 92% Efficient)	\$2.50	MBH				<input type="checkbox"/>
 HV308	High-Efficiency Furnace or Unit Heater (at Least 95% Efficient)	\$3.00	MBH				<input type="checkbox"/>
 HV309	Direct Fired Makeup Air Handling Units	\$2.50	MBH				<input type="checkbox"/>
ID	INFRARED HEATER TYPE (PRE-NOTIFICATION REQUIRED)	INCENTIVE	INPUT UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 HV310	Infrared Heaters (Consumers Energy Electric and Natural Gas Customers)	\$6.00	MBH				<input type="checkbox"/>
 HV311	Infrared Heaters (Consumers Energy Natural Gas Customers)	\$5.00	MBH				<input type="checkbox"/>

<b>Subtotal HVAC &amp; Heating Equipment Incentive - Page 3</b>	<input type="text"/>
<b>Total HVAC &amp; Heating Equipment Incentive</b>	<input type="text"/>

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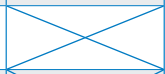








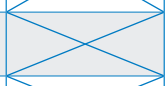






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 qualifies New Construction.

## Domestic Water Heater

(Consumers Energy Natural Gas Customers, unless otherwise stated)

### Domestic Water Heater

ID	MEASURE	UNIT TYPE	INCENTIVE	INPUT UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 DW101a	High-Efficiency Domestic Water Heating Boilers	84% to 89.9% Efficient	\$0.75	MBH				<input type="checkbox"/>
 DW101b		At least 90% Efficient	\$2.00	MBH				<input type="checkbox"/>
 DW102a	High-Efficiency Tank-Style Domestic Water Heater Up to 80 Gallons	0.67 Energy Factor	\$50.00	Unit				<input type="checkbox"/>
 DW102b		0.80 Energy Factor	\$100.00	Unit				<input type="checkbox"/>
 DW103	High-Efficiency Tank-Style Domestic Water Heater Greater than 80 Gallons	At Least 94% Efficient	\$0.75	MBH				<input type="checkbox"/>
 DW104a	Heat Pump Domestic Water Heater (Consumers Energy Electric Customers)	Tank Style (EF ≥ 2.2) ≤ 55 Gallons	\$800.00	Unit				<input type="checkbox"/>
 DW104b		Tank Style (EF ≥ 2.0) > 55 Gallons	\$45.00	Unit				<input type="checkbox"/>
 DW104c		≤ 50 MBH (COP ≥ 3.0)	\$1,000.00	Unit				<input type="checkbox"/>
 DW105a	Tankless Water Heater	Natural Gas	\$100.00	Unit				<input type="checkbox"/>
 DW105b		Electric	\$50.00	Unit				<input type="checkbox"/>

**Total Domestic Water Heater Incentive**

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# Building Automation Systems

## Controls

ID	CENTRALIZED BUILDING AUTOMATION SYSTEM (BAS) (PRE-NOTIFICATION REQUIRED)		INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BA101a	Web-Based Building Automation Systems (BAS)  (Temperature Setback In Non-occupied Periods)	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.45	Square Foot		
BA101b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.30	Square Foot		
BA101c		Air Conditioning (Consumers Energy Electric Customers)	\$0.15	Square Foot		
BA101d		BAS Non-A/C Schools (Consumers Energy Electric Customers)	\$0.07	Square Foot		
<b>Building Automation System Total Incentive</b>						
<b>Building Automation System Awarded Incentive (Maximum Cannot Exceed \$75,000)</b>						

ID	CENTRALIZED BUILDING AUTOMATION SYSTEM (BAS) - CONTINUED (PRE-NOTIFICATION REQUIRED)		INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BA102	BAS for Manufacturing HVAC Fans (Consumers Energy Electric Customers)		\$150.00	HP		
BA103	Parking Garage Exhaust Fan Carbon Monoxide (CO) Control		\$300.00	HP		
BA104	Hydronic HVAC Pump Control (Consumers Energy Electric Customers)		\$80.00	HP		
BA105	Critical Zone Supply Air Reset Control (Consumers Energy Electric Customers)		\$20.00	Ton		
BA106	Air-Side Economizer (Consumers Energy Electric Customers)		\$15.00	Ton		
BA107a	Optimal Start on Air Handling Units	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.10	Square Foot		
BA107b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.05	Square Foot		
BA107c		Air Conditioning (Consumers Energy Electric Customers)	\$0.05	Square Foot		

ID	CHILLER CONTROLS (PRE-NOTIFICATION REQUIRED)		INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BA108a	Chilled Water Reset Retrofit (5-degree reset) (Consumers Energy Electric Customers)		\$25.00	Ton		
BA108b	Chilled Water Reset Retrofit (10-degree reset) (Consumers Energy Electric Customers)		\$30.00	Ton		
BA109	Optimized Chiller Plant Sequencing		\$4.00	Ton		







ID	VENTILATION CONTROL (PRE-NOTIFICATION REQUIRED)		INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BA110a	Demand Control Ventilation	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.06	Square Foot		<input type="checkbox"/>
BA110b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.04	Square Foot		<input type="checkbox"/>
BA110c		Air Conditioning (Consumers Energy Electric Customers)	\$0.02	Square Foot		<input type="checkbox"/>
BA111a	Occupancy Sensor Control for HVAC BAS Systems	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.09	Square Foot		
BA111b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.04	Square Foot		
BA111c		Air Conditioning (Consumers Energy Electric Customers)	\$0.05	Square Foot		
BA112a	Demand Control Ventilation and Occupancy Sensors for HVAC	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.10	Square Foot		<input type="checkbox"/>
BA112b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.05	Square Foot		<input type="checkbox"/>
BA112c		Air Conditioning (Consumers Energy Electric Customers)	\$0.05	Square Foot		<input type="checkbox"/>






**Subtotal Building Automation Systems Incentive - Page 1**

02/01/2017

## Controls

ID	UNITARY CONTROL (PRE-NOTIFICATION REQUIRED)	AREA (SQUARE FOOT)	INCENTIVE	UNIT	# OF SENSOR	TOTAL INCENTIVE	
BA201a	Programmable Thermostat	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)		\$100.00	Unit		<input type="checkbox"/>
BA201b		Natural Gas Heat (Consumers Energy Natural Gas Customers)		\$100.00	Unit		<input type="checkbox"/>
BA201c		Air Conditioning (Consumers Energy Electric Customers)		\$100.00	Unit		<input type="checkbox"/>
 BA202a	Hotel Guest Room	Natural Gas Heat (Consumers Energy Natural Gas Customers)	<del></del>	\$80.00	Unit		<input type="checkbox"/>
 BA203	Occupancy Sensor	Electric Heat (Consumers Energy Electric Customers)	<del></del>	\$80.00	Unit		<input type="checkbox"/>
BA204a	Web-Based Programmable Thermostat	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)		\$300.00	Unit		<input type="checkbox"/>
BA204b		Natural Gas Heat (Consumers Energy Natural Gas Customers)		\$300.00	Unit		<input type="checkbox"/>
BA204c		Air Conditioning (Consumers Energy Electric Customers)		\$300.00	Unit		<input type="checkbox"/>
 BA205a	Occupancy Sensor Control for Smart Thermostats	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)		\$0.04	Square Foot		<input type="checkbox"/>
 BA205b		Natural Gas Heat (Consumers Energy Natural Gas customers)		\$0.02	Square Foot		<input type="checkbox"/>
 BA205c		Air Conditioning (Consumers Energy Electric Customers)		\$0.02	Square Foot		<input type="checkbox"/>

## Advanced Rooftop HVAC Controls

ID	MEASURE (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT SIZE (TONS)	# OF UNITS	TOTAL INCENTIVE
 BA206a	Enhanced Ventilation Control	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$100.00/ton		
 BA206b		Natural Gas Heat (Consumers Energy Natural Gas customers)	\$70.00/ton		
 BA206c		Air Conditioning (Consumers Energy Electric Customers)	\$30.00/ton		

**Subtotal Building Automation Controls Incentive - Page 2**



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 qualifies New Construction.

## Building Automation Systems

### Boiler Controls

ID	MEASURE (PRE-NOTIFICATION REQUIRED)		INCENTIVE	INPUT UNIT	# OF UNITS	TOTAL INCENTIVE	
BA301a	Optimized Boiler Plant Sequencing	HVAC	\$0.60	MBH			
BA301b		Process	\$1.00				
BA302a	Modulating Burner Control	HVAC	\$0.80	MBH			<input type="checkbox"/>
BA302b		Process	\$1.25				<input type="checkbox"/>
BA303a	Boiler Oxygen Trim Control	HVAC	\$0.20	MBH			
BA303b		Process	\$0.75				
BA304a	Linkageless (Parallel Positioning) Boiler Controls	HVAC	\$0.50	MBH			<input type="checkbox"/>
BA304b		Process	\$0.75				<input type="checkbox"/>
BA305a	Combination Boiler Oxygen Trim Control and Linkageless Boiler Controls	HVAC	\$0.60	MBH			<input type="checkbox"/>
BA305b		Process	\$1.00				<input type="checkbox"/>
BA306	Water Reset Control Retrofit		\$0.70	MBH			
BA307	Basic Snow Melt Controls Retrofit		\$1.00	Square Foot			<input type="checkbox"/>
BA308	Enhanced Snow Melt Controls		\$0.60	Square Foot			<input type="checkbox"/>

### Makeup Air Handling Unit Burner Controls


ID	MEASURE (PRE-NOTIFICATION REQUIRED)	INCENTIVE	INPUT UNIT	# OF UNITS	TOTAL INCENTIVE
BA309	Modulating Burner on Makeup Air Handling Unit (Continuous Operation)	\$2.50	MBH		
BA310	Modulating Burner on Makeup Air Handling Unit (> 100 hrs/week Operation)	\$2.00	MBH		
BA311	Modulating Burner on Makeup Air Handling Unit (> 50 hrs/week Operation)	\$1.00	MBH		

**Subtotal Building Automation Controls Incentive - Page 3**

**Total Building Automation Controls Incentive**




## Advanced Air Distribution and Energy Recovery

### Advanced Air Distribution Systems (Pre-Notification Required)

ID	MEASURE	CUSTOMER TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
AE101a	Constant Volume AHU to VAV AHU with Hydronic Reheat	Electric and Natural Gas	\$0.70	Square Foot			<input type="checkbox"/>
AE101b		Electric	\$0.45	Square Foot			<input type="checkbox"/>
AE101c		Natural Gas	\$0.25	Square Foot			<input type="checkbox"/>
AE102a	Constant Volume AHU to Hydronic Heat Pump Loop	Electric and Natural Gas	\$0.60	Square Foot			<input type="checkbox"/>
AE102b		Electric	\$0.45	Square Foot			<input type="checkbox"/>
AE102c		Natural Gas	\$0.15	Square Foot			<input type="checkbox"/>







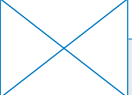

(Consumers Energy Natural Gas Customers)

### Energy Recovery (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 AE103	Enthalpy Wheel Energy Recovery Unit	\$0.40	CFM				<input type="checkbox"/>
 AE104	Fixed-Plate Air-to-Air Energy Recovery Unit	\$0.35	CFM				<input type="checkbox"/>



(Consumers Energy Natural Gas Customers)

### Boiler Efficiency Improvements (Pre-Notification Required)

ID	MEASURE	STACK TEMP DECREASE	INCENTIVE	INPUT UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE	
 AE105a	HVAC Boiler Stack Economizer	80 Degrees	\$0.20	MBH				<input type="checkbox"/>
 AE105b		200 Degrees	\$0.30	MBH				<input type="checkbox"/>
 AE106a	Process Boiler Stack Economizer	80 Degrees	\$0.50	MBH				<input type="checkbox"/>
 AE106b		200 Degrees	\$1.00	MBH				<input type="checkbox"/>
 AE107	Steam Boiler Makeup Water Pre-Heat		\$10.00	MMBtu/yr				<input type="checkbox"/>
 AE108	Automatic Boiler Blowdown Reduction		\$0.01	Gal/yr Reduced				<input type="checkbox"/>



(Consumers Energy Natural Gas Customers)

### Refrigeration Waste Heat Recovery (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	UNIT SIZE	TOTAL INCENTIVE
 AE109	Refrigeration Waste Heat Recovery Decreasing Domestic Water Heating	\$100.00	Ton			
 AE110	Refrigeration Waste Heat Recovery Decreasing HVAC Heating Load	\$60.00	Ton			



Subtotal Advanced Air Distribution & Energy Recovery Incentive - Page 1




Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.

## Advanced Air Distribution and Energy Recovery





### Air-Side Conditioning Economizer Mode (Pre-Notification Required)

ID	EQUIPMENT TYPE	INCENTIVE PER MBH	UNIT SIZE MBH	# OF UNITS	TOTAL INCENTIVE
 AE201	Computer Room Air Conditioning Glycol Economizer	\$30.00			
 AE202	Air-Side Economizer for New CRAC or Telecom Applications	\$30.00			

### Water-Side Economizer (Pre-Notification Required)

ID	EQUIPMENT TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AE203	Water-Cooled Chiller	\$60.00	Ton		
 AE204	Air-Cooled Chiller	\$120.00	Ton		














### Condenser Heat Recovery (Dx Compressor Waste Heat Recovery) (Pre-Notification Required)

ID	MEASURE	CUSTOMER TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AE205	Water-Cooled Condenser Electric DWH HVAC or Process Applications	Consumers Energy Electric Customer	\$400.00	Ton		
 AE206	Air-Cooled Condenser Electric DWH HVAC or Process Applications	Consumers Energy Electric Customer	\$500.00	Ton		
 AE207	Water-Cooled Condenser Natural Gas DWH HVAC or Process Applications	Consumers Energy Natural Gas Customer	\$150.00	Ton		
 AE208	Air-Cooled Condenser Natural Gas DWH HVAC or Process Applications	Consumers Energy Natural Gas Customer	\$200.00	Ton		

**Subtotal Advanced Air Distribution & Energy Recovery Incentive - Page 2**

**Total Advanced Air Distribution & Energy Recovery**

**Laboratory (\*Pre-Notification Required)**



ID	MEASURE	CUSTOMER TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
 LB101a	Auto Sash Closer*	Consumers Energy Electric & Natural Gas Customers	\$80.00	Linear Foot of Sash			<input type="checkbox"/>
 LB101b		Consumers Energy Electric Customers	\$40.00	Linear Foot of Sash			<input type="checkbox"/>
 LB101c		Consumers Energy Natural Gas Customers	\$40.00	Linear Foot of Sash			<input type="checkbox"/>
LB102a	Reduced/Optimized Air Change per Hour (ACH) Rate*	Consumers Energy Electric & Natural Gas Customers	\$2.75	CFM Reduced			
LB102b		Consumers Energy Electric Customers	\$1.50	CFM Reduced			
LB102c		Consumers Energy Natural Gas Customers	\$1.25	CFM Reduced			
 LB103a	Sash Stops*	Consumers Energy Electric & Natural Gas Customers	\$50.00	Linear Foot of Sash			<input type="checkbox"/>
 LB103b		Consumers Energy Electric Customers	\$25.00	Linear Foot of Sash			<input type="checkbox"/>
 LB103c		Consumers Energy Natural Gas Customers	\$25.00	Linear Foot of Sash			<input type="checkbox"/>
LB104a	Laboratory Fume-Hood Ventilation Reduction (Based On Sash Location)*	Consumers Energy Electric & Natural Gas Customers	\$1.40	CFM Reduced			<input type="checkbox"/>
LB104b		Consumers Energy Electric Customers	\$0.75	CFM Reduced			<input type="checkbox"/>
LB104c		Consumers Energy Natural Gas Customers	\$0.65	CFM Reduced			<input type="checkbox"/>
 LB105a	Occupancy Sensor with VAV Hood	Consumers Energy Electric & Natural Gas Customers	\$60.00	Linear Foot of Sash			<input type="checkbox"/>
 LB105b		Consumers Energy Electric Customers	\$30.00	Linear Foot of Sash			<input type="checkbox"/>
 LB105c		Consumers Energy Natural Gas Customers	\$30.00	Linear Foot of Sash			<input type="checkbox"/>
 LB106a	Low-Flow Hood with VAV Hood*	Consumers Energy Electric & Natural Gas Customers	\$60.00	Linear Foot of Sash			<input type="checkbox"/>
 LB106b		Consumers Energy Electric Customers	\$30.00	Linear Foot of Sash			<input type="checkbox"/>
 LB106c		Consumers Energy Natural Gas Customers	\$30.00	Linear Foot of Sash			<input type="checkbox"/>

**Total Laboratory Incentive**

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Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.

## Tune-Up / Maintenance

### Boiler Tune-Up (Consumers Energy Natural Gas Customers)

ID	MEASURE	LEVEL	SIZE CATEGORY (B)	INCENTIVE (C)	UNIT
TU101a	Space Heating Boiler Tune-Up	Level 1	110 to 499 MBH	\$150.00	Boiler
TU101b		Level 2	500 to 1,199 MBH	\$250.00	Boiler
TU101c		Level 3	At Least 1,200 MBH	\$350.00	Boiler
TU102a	Process Boiler Tune-Up	Level 4	300 to 499 MBH	\$150.00	Boiler
TU102b		Level 5	500 to 1,199 MBH	\$350.00	Boiler
TU102c		Level 6	At Least 1,200 MBH	\$500.00	Boiler
TU103a	Process Burner Tune-Up	Level 7	300 to 499 MBH	\$150.00	Burner
TU103b		Level 8	500 to 1,199 MBH	\$350.00	Burner
TU103c		Level 9	At Least 1,200 MBH	\$500.00	Burner
TU104a	Domestic Water Heater Tune-Up	Level 10	199 to 499 MBH	\$100.00	Boiler
TU104b		Level 11	500 to 1,199 MBH	\$250.00	Boiler
TU104c		Level 12	At Least 1,200 MBH	\$350.00	Boiler

EQUIPMENT TYPE/LEVEL (SEE ABOVE)	SERIAL #	# OF BOILERS (A)	BOILER SIZE INPUT (MBH) (B)	INCENTIVE (C)	TOTAL INCENTIVE (A x C)

### Furnace Tune-Up (Consumers Energy Natural Gas Customers)

ID	MEASURE	SIZE CATEGORY (B)	INCENTIVE (C)	UNIT
TU105a	Gas Furnace or RTU Tune-Up	40 to 299 MBH	\$50.00	Furnace
TU105b		At least 300 MBH	\$125.00	Furnace

EQUIPMENT TYPE/LEVEL (SEE ABOVE)	SERIAL #	# OF FURNACES (A)	FURNACE/RTU SIZE INPUT (MBH) (B)	INCENTIVE (C)	TOTAL INCENTIVE (A x C)










**Subtotal Tune-Up/Maintenance Incentive - Page 1**



## Kitchen / Refrigeration / Laundry

(Consumers Energy Natural Gas Customers)

### Commercial Kitchen Equipment

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
 KR101	Commercial Conveyor Ovens	\$400.00	Unit			<input type="checkbox"/>
 KR102	Flexible Batch Broilers	\$550.00	Unit			<input type="checkbox"/>
 KR103a	Steam Cookers (ENERGY STAR®)	3, 4, 5 or 6 Pan; Electric (Consumers Energy Electric Customer)	Qualifying Efficiency EE ≥ 0.50	\$1,200.00	Unit	<input type="checkbox"/>
 KR103b		5 or 6 Pan; Gas (Consumers Energy Natural Gas Customer)	Qualifying Efficiency EE ≥ 0.38	\$1,750.00	Unit	<input type="checkbox"/>
 KR104a	Combination Ovens/Steamers	Electric		\$1,500.00	Unit	<input type="checkbox"/>
 KR104b		Natural Gas		\$300.00	Unit	<input type="checkbox"/>
 KR105	Hot Holding Cabinet, Full Size (ENERGY STAR®) (Consumers Energy Electric Customer)	\$450.00	Unit			<input type="checkbox"/>
 KR106	Pre-Rinse Sprayers - Up to 1.6 Gallons per Minute (Gas Water Heater Only)	\$30.00	Unit			<input type="checkbox"/>

(Consumers Energy Natural Gas Customers)

### Commercial Kitchen Ventilation Control


ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
 KR107	Commercial Kitchen Ventilation Control	\$0.50	CFM			<input type="checkbox"/>

(Consumers Energy Electric Customers)

### Refrigeration Insulation

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
 KR108	Night Covers	\$6.00	Linear Foot			<input type="checkbox"/>

### New Reach-In Refrigerated Case Doors (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
KR109a	Medium Temperature (33 degrees to 50 degrees F)	Consumers Energy Electric & Natural Gas Customers		\$60.00	Linear Foot	<input type="checkbox"/>
KR109b		Consumers Energy Electric Customers		\$45.00	Linear Foot	<input type="checkbox"/>
KR109c		Consumers Energy Natural Gas Customers		\$15.00	Linear Foot	<input type="checkbox"/>
KR110a	Low Temperature (0 degrees F to 32 degrees F)	Consumers Energy Electric & Natural Gas Customers		\$120.00	Linear Foot	<input type="checkbox"/>
KR110b		Consumers Energy Electric Customers		\$100.00	Linear Foot	<input type="checkbox"/>
KR110c		Consumers Energy Natural Gas Customers		\$20.00	Linear Foot	<input type="checkbox"/>

### No Heat Reach-In Refrigerated Case Doors (Pre-Notification Required)






ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
KR111a	No Heat Reach-In Case Doors	Without Anti-Sweat Heater Control		\$150.00	Door
KR111b		With Anti-Sweat Heater Control		\$25.00	Door

**Subtotal Kitchen/Refrigeration/Laundry Incentive - Page 1**

## Kitchen / Refrigeration / Laundry

(Consumers Energy Electric Customers)

### Refrigeration Controls (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR201	Anti-Sweat Heater Controls	\$50.00	Door		
 KR202a	Evaporator Fan Demand Control	Electronically Commutated Motor	\$30.00	Controller	
 KR202b		Permanent Split Capacitor	\$120.00	Controller	
 KR202c		Shaded Pole	\$120.00	Controller	
 KR203	Floating Head Pressure Control	\$80.00	Ton		







(Consumers Energy Electric Customers)

### Refrigeration Motors (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
KR204	Refrigeration Case Electronically Commutated Motor (ECM)	\$50.00	Unit		
KR205	Walk-in Cooler Electronically Commutated Motor replacing non-ECM Motor	\$70.00	Unit		
KR206	Walk-in Cooler Evaporator Motor Reduction	\$250.00	Motor Removed		



(Consumers Energy Electric Customers)

### Refrigeration Equipment & Lighting

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
 KR207a	Energy Efficient Ice Machine	Air-Cooled	Less than 500 lbs.	\$200.00	Unit	
 KR207b			500 to 999 lbs.	\$400.00	Unit	
 KR207c			1,000 to 1,500 lbs.	\$700.00	Unit	
 KR207d		Water Cooled	\$100.00	Unit		
 KR208	LED Lighting for Refrigeration Cases (Pre-Notification Required)	\$10.00	Linear Foot of Lamp			
 KR209	Occupancy Sensors for LED Refrigerator Lighting	\$15.00	Door			
KR210a	Refrigeration Light Reduction* (Pre-Notification Required)	-20 Degrees F to 0 Degrees F	\$0.18	Watt Reduced		
KR210b		0 Degrees F to 20 Degrees F	\$0.13	Watt Reduced		
KR210c		20 Degrees F to 40 Degrees F	\$0.08	Watt Reduced		

► \* In conjunction with a qualifying lighting retrofit incentive project.

### Strip Curtains (Pre-Notification Required)



ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR211	Cooler (40 Degrees F) (Consumers Energy Electric Customers)	\$3.00	Square Foot		
 KR212	Freezer (0 Degrees F) (Consumers Energy Electric Customers)	\$6.00	Square Foot		

### Door Gasket Seals

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
KR213	Door Gasket Seals (Consumers Energy Electric Customers)	\$2.00	Linear Foot		

Subtotal Kitchen/Refrigeration/Laundry Incentive - Page 2



Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  qualifies New Construction.

## Kitchen / Refrigeration / Laundry









(Consumers Energy Natural Gas Customers)

### Laundry

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR301	Laundry Ozone Generation System	\$40.00	Pounds		






### Clothes Washers (CEE Tier II)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR302	Gas Water Heater - Gas Dryer Energy Star	Consumers Energy Natural Gas Customers	\$25.00	Unit	
 KR303a	Gas Water Heater - Electric Dryer Energy Star	Consumers Energy Electric And Natural Gas Customers	\$70.00	Unit	
 KR303b		Consumers Energy Natural Gas Customers	\$10.00	Unit	
 KR303c		Consumers Energy Electric Customers	\$60.00	Unit	
 KR304a	Electric Water Heater - Gas Dryer Energy Star	Consumers Energy Electric And Natural Gas Customers	\$60.00	Unit	
 KR304b		Consumers Energy Natural Gas Customers	\$10.00	Unit	
 KR304c		Consumers Energy Electric Customers	\$50.00	Unit	
 KR305	Electric Water Heater - Electric Dryer Energy Star	Consumers Energy Electric Customers	\$100.00	Unit	






### Dishwashers (ENERGY STAR®)





ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR306	Electric Domestic Water Heating	(Consumers Energy Electric Customers)	\$250.00	Unit	
 KR307	Gas Domestic Water Heating	(Consumers Energy Natural Gas Customers)	\$250.00	Unit	
 KR308	Gas Domestic Water Heating	(Consumers Energy Electric And Natural Gas Customers)	\$250.00	Unit	



### Refrigerators (ENERGY STAR®)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR309	Refrigerators - 15 to 30 Cubic Feet		\$50.00	Unit	
 KR310	Refrigerators - 30 to 50 Cubic Feet		\$75.00	Unit	
 KR311	Refrigerators - Greater than 50 Cubic Feet		\$100.00	Unit	

### Freezers (ENERGY STAR®)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 KR312	Freezers - Less than 15 Cubic Feet		\$150.00	Unit	
 KR313	Freezers - 15 to 30 Cubic Feet		\$175.00	Unit	
 KR314	Freezers - 30 to 50 Cubic Feet		\$300.00	Unit	
 KR315	Freezers - Greater Than 50 Cubic Feet		\$600.00	Unit	

<b>Subtotal Kitchen/Refrigeration/Laundry Incentive - Page 3</b>	
<b>Total Kitchen/Refrigeration/Laundry Incentive</b>	

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Check the **Buy Michigan Box** only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.

## Building Envelope & Insulation

(Consumers Energy natural gas customers and natural gas heat applications only)

### Building Insulation (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE101	Wall Insulation	\$0.60	Square Foot		



ID	FLAT ROOF	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE102a	Flat Roof Insulation	R 10 to R 18	\$0.16	Square Foot	
BE102b		R 12 to R 18	\$0.12	Square Foot	
BE102c		R 14 to R 18	\$0.08	Square Foot	
BE102d		R 16 to R 18	\$0.02	Square Foot	
BE102e		R 18 to R 20	\$0.02	Square Foot	
BE102f		R 20 to R 22	\$0.02	Square Foot	
BE102g		R 22 to R 24	\$0.02	Square Foot	
<b>Flat Roof Insulation Total Incentive</b>					
<b>Flat Roof Insulation Awarded Incentive (Maximum Cannot Exceed \$100,000)</b>					



ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE103	Attic Roof Insulation	\$0.30	Square Foot		



### Envelope (Pre-Notification Required)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE104	Window Reduction (Consumers Energy Natural Gas Customer Only)	\$0.75	Square Foot		
BE105	Window Film (Consumers Energy Electric Customer Only)	\$0.25	Square Foot		
BE106	High Performance Glazing in Windows (Consumers Energy Electric Customer Only)	\$0.25	Square Foot		



ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE107	Truck Loading Dock Door Seals	\$350.00	Door		
BE108	Truck Loading Dock Leveler Ramp Pit Air Seals Retrofit (Pre-Notification Required)	\$175.00	Door		



(Consumers Energy Natural Gas Customers)

### Pool Covers

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE109	Pool Covers (400 to 10,000 Square feet)	\$0.50	Square Foot		



(Consumers Energy Electric Customers)

### Automatic High Speed Doors

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
BE110a	Automatic High Speed Doors	Between Freezer to Cooler	\$70.00	Square Foot	
BE110b		Between Freezer to Dock	\$150.00	Square Foot	
BE110c		Between Cooler to Dock	\$15.00	Square Foot	



**Total Building Envelope & Insulation Incentive**


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## Pipe & Ductwork Insulation

### Pipe Insulation - Natural Gas Heat (Pre-Notification Required)

For HVAC and Domestic Applications, limit of 500 linear feet per boiler system. (Consumer Energy Natural Gas Customers Only)

ID	MEASURE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE	
IN101	Steam Space Heating (HVAC)	\$3.00	Linear Foot			<input type="checkbox"/>
IN102	Steam Condensate Space Heating (HVAC)	\$1.50	Linear Foot			<input type="checkbox"/>
IN103	Hydronic Space Heating (HVAC)	\$2.00	Linear Foot			<input type="checkbox"/>
IN104a	Domestic Hot Water	Unconditioned Space	\$1.00	Linear Foot		<input type="checkbox"/>
IN104b		Conditioned Space	\$0.50	Linear Foot		<input type="checkbox"/>
IN105a	Process Steam Pipe Insulation	Conditioned Space (Consumers Energy Electric and Natural Gas Customers)	\$3.00	Linear Foot		<input type="checkbox"/>
IN105b		Conditioned Space (Not A/C & Consumers Energy Natural Gas Customers)	\$2.00	Linear Foot		<input type="checkbox"/>
IN105c		Unconditioned Space (Consumers Energy Natural Gas Customers)	\$3.00	Linear Foot		<input type="checkbox"/>
IN106a	Process Steam Pipe Condensate Insulation	Unconditioned Space (Consumers Energy Natural Gas Customers)	\$3.00	Linear Foot		<input type="checkbox"/>
IN106b		Conditioned Space (Not A/C & Consumers Energy Natural Gas Customers)	\$1.00	Linear Foot		<input type="checkbox"/>

### PEX Pipe Insulation (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	UNCONDITIONED SPACE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
IN107	Domestic Hot Water	\$2.00	Linear Foot		
IN108	Hydronic Space Heating	\$3.00	Linear Foot		

ID	CONDITIONED SPACE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
IN109	Domestic Hot Water	\$1.00	Linear Foot		

### Pipe Insulation - Electric (Pre-Notification Required)

(Consumers Energy Electric Customers Only)



ID	ELECTRIC HEAT	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
IN110a	Domestic Hot Water	Unconditioned Space	\$1.00	Linear Foot	
IN110b		Conditioned Space	\$0.50	Linear Foot	

ID	DX SUCTION REFRIGERANT PIPING INSULATION LOCATION	SPACE TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
IN111	Data Center	Conditioned Space	\$0.20	Linear Foot		
IN112a	Mid Temperature Refrigeration	Conditioned Space	\$0.75	Linear Foot		
IN112b		Non-Conditioned Space	\$0.50	Linear Foot		
IN113	Low Temperature Refrigeration	Either Conditioned Space or Non-Conditioned Space	\$3.00	Linear Foot		

Subtotal Pipe & Ductwork Insulation Incentive - Page 1



# Pipe & Ductwork Insulation

Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  
 qualifies New Construction.



## Ductwork Insulation - Natural Gas Heat (Pre-Notification Required) (Consumers Energy Natural Gas Customers only)

ID	DUCTWORK	LOCATION	AIR DISTRIBUTION TYPE	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
IN201	Ductwork Insulation	Non-Conditioned Space i.e., crawl space	Supply Air	\$2.00	Square Foot		
IN202			Return Air	\$1.00	Square Foot		
IN203		Exterior Space	Supply Air	\$3.00	Square Foot		
IN204			Return Air	\$2.00	Square Foot		





**Subtotal Pipe & Ductwork Insulation Incentive - Page 2**

**Total Pipe & Ductwork Insulation Incentive**



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**Agriculture\***








ID	FARM ENERGY AUDIT	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
AG101	Farm Energy Audit as Defined By USDA (Tier 2)	\$500.00	Farm		

ID	GRAIN (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AG102	Grain Dryers (Consumers Energy Natural Gas Customer)	\$0.04	Bushels/yr		
 AG103	Grain Storage Temperature / Moisture Management Controller (Consumers Energy Electric Customer)	\$50.00	HP		

ID	GREENHOUSE (CONSUMERS ENERGY NATURAL GAS CUSTOMERS) (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AG104	Greenhouse Heat Curtains	\$0.25	Square Foot		
 AG105	Greenhouse Infrared Film Replacing a Single Layer with Double Layer	\$0.50	Square Foot		
AG106	Greenhouse Infrared Film Replacing a Double Layer with Double Layer	\$0.15	Square Foot		
 AG107	Greenhouse Environmental Controls	\$0.25	Square Foot		
 AG108	Greenhouse In-Floor Heating System (Without Heat Curtains)	\$0.50	Square Foot		
AG109	Greenhouse In-Floor Heating System (With Heat Curtains)	\$0.25	Square Foot		

ID	VENTILATION (CONSUMERS ENERGY ELECTRIC CUSTOMER)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AG110	Circulation, Exhaust, or Ventilation Fans	24 Inch to 35 Inch Fan Blade diameter	\$30.00	Fan	
 AG111		36 Inch to 47 Inch Fan Blade diameter	\$50.00	Fan	
 AG112		48 Inch to 71 Inch Fan Blade diameter	\$100.00	Fan	
 AG113	High-Volume, Low-Speed Fans	16-Foot Fan Blade diameter	\$250.00	Fan	
 AG114		18-Foot Fan Blade diameter	\$400.00	Fan	
 AG115		20-Foot Fan Blade diameter	\$500.00	Fan	
 AG116		22-Foot Fan Blade diameter	\$700.00	Fan	
 AG117		24-Foot Fan Blade diameter	\$800.00	Fan	
 AG118	Fan Thermostat Controller (Pre-Notification Required)	\$50.00	HP		

ID	IRRIGATION (CONSUMERS ENERGY ELECTRIC CUSTOMER) (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AG119	VSD on Ag Irrigation Systems	\$40.00	HP		
 AG120	VSD on Golf Course Irrigation Systems	\$40.00	HP		
 AG121	Sprinkler to Drip Irrigation	\$50.00	Acre		
 AG122	Low-Pressure Sprinkler Nozzle	\$0.50	Nozzle		
 AG123	Low-Energy Livestock Waterer	\$125.00	Unit		



ID	DAIRY (CONSUMERS ENERGY ELECTRIC CUSTOMER) (PRE-NOTIFICATION REQUIRED)	INCENTIVE	UNIT	# OF UNITS	TOTAL INCENTIVE
 AG124a	Scroll Compressor for Dairy Refrigeration without Heat Exchanger	\$0.04	lb. Milk/day		
 AG124b	Scroll Compressor for Dairy Refrigeration with Heat Exchanger	\$0.08	lb. Milk/day		
 AG125	Variable Speed Controller for Vacuum Pump	\$100.00	HP		
AG126	Variable Speed Drive on Milk Pump with Existing Milk Pre-Cooler	\$0.10	lb. Milk/day		
 AG127	Variable Speed Drive on Milk Pump with New Milk Pre-Cooler	\$0.14	lb. Milk/day		
 AG128	Milk Pre-Cooler (Heat Exchanger, Chiller Savings)	\$0.20	lb. Milk/day		
 AG129	Water Pre-Heat Heat Exchanger (Heat Recovery Tank)	Electric Water Heater Reduction	\$0.30	lb. Milk/day	
 AG130		Natural Gas Water Heater Reduction (Consumers Energy Natural Gas Customers)	\$0.06	lb. Milk/day	
AG131	Dairy Refrigeration Tune-Up (Pre-Notification NOT required)	\$0.02	lb. Milk/day		

► \* Residential Agricultural customers qualify for these measures.

**Subtotal Agricultural Incentive - Page 1**





Check the **Buy Michigan Box**  only if the piece of equipment is for a full unit replacement for which you are seeking an incentive, meets the Buy Michigan bonus specifications **AND** you can provide the manufacturer affidavit.  qualifies New Construction.

# LEED® Whole Building

(LEEDv4 BD&C, Building Design & Construction)

## General Design and Anticipated Construction Schedule

LEED Registration Date: \_\_\_\_\_

Executable Model Completion Date: \_\_\_\_\_

LEED Preliminary Design Review Date: \_\_\_\_\_

Construction Start/Ground Breaking Date: \_\_\_\_\_

LEED Final Construction Review Date: \_\_\_\_\_

Certificate of Occupancy (CoFo) Date: \* \_\_\_\_\_

LEED Certification Date: \*\* \_\_\_\_\_ LEED Certification Type: \_\_\_\_\_

\* Final Incentive Application must be received within 6 months of receiving the CoFo.

\*\* Final Incentive Application must be received within 60 days of receiving the LEED Certification.

## Estimated/Actual LEED Certified Savings and Incentives

TOTALS	PROPOSED/CERTIFIED	BASELINE	SAVINGS
kWh			
Mcf***			

\*\*\*Consumer Energy Conversion Constant: 1Mcf = 10.28therms

## LEED Certification Level Planned/Actual

ID	LEED CERTIFICATION	ELECTRIC INCENTIVE RATE (\$/kWh) A	ELECTRIC SAVINGS (kWh) (FROM ABOVE) (B)	ELECTRIC INCENTIVE (A x B = C)	GAS INCENTIVE RATE (\$/Mcf) (D)	GAS SAVINGS(Mcf) (FROM ABOVE) (E)	GAS INCENTIVE (D x E = F)	TOTAL INCENTIVE (C + F)
WB101	Certified/Silver	\$0.06			\$5.00			
WB102	Gold	\$0.08			\$6.00			
WE103	Platinum	\$0.10			\$7.00			

**For all projects, please provide the following reports corresponding to the modeling software on your project.**

	DOE2, eQUEST & VISUAL DOE	ENERGY PLUS	CARRIER HAP	TRANE TRACE
1	Building Energy Performance (BEPS)	Annual Building Utility Performance Summary (ABUPS)	Annual Cost Summary	Energy Cost Budget/PRM Summary
2	Building Utility Performance (BEPU)	System Summary - showing the unmet load	Unmet load reports for all plants and systems	Energy Consumption Summary Reports
3	Energy Cost Summary (ES-D)	Report that shows annual energy cost by fuel source	Systems Energy Budget by Energy Source	Performance Rating Method Details
4	System Design Parameters (SV-A)	-	System input data reports	Equipment Energy Consumption
5	Details of Exterior Surfaces (LV-D)	-	Wall constructions	Entered Values Report (for all rooms and systems)

The following documentation must be submitted in addition to the Program Documentation outlined above. Energy savings will be validated per the LEED review findings:

- LEED Certification Project Review Report and LEED Reviewers Comments
- LEED 2009- EA Prerequisite 2: Minimum Efficiency Use Performance Form: This form details the building's Performance Rating Method Compliance and Total Building Energy Summary
- EA p2 Section 1.4 Table.xls from all supporting documentation submitted with the LEED template

**Total LEED Whole Building Incentive**

02/01/2017





**Pre-Notification for All Custom Incentives is REQUIRED**

Please attach supporting documentation as described in the Consumers Energy Business Energy Efficiency Program Incentive Catalog and/or the program Policies and Procedures Manual.

**Step 1: Summary (Please Use One Custom Page Per Custom Measure)**

DESCRIPTION	
Before Retrofit ****	After Retrofit

**Step 2: Energy Savings Summary**

ID	SERVICE	UNIT	CURRENT ENERGY COST (\$ / UNIT)	ANNUAL SAVINGS (UNITS/YR) (A)	INCENTIVE RATE (\$ / UNIT) (B)	CALCULATED INCENTIVE (A x B)	PROJECT COST	SIMPLE PAYBACK PERIOD*	TOTAL CUSTOM INCENTIVE
 CU101	CE Electric	kWh			\$0.10				
 CU102	CE Natural Gas	Mcf			\$8.00				

**Step 3: Miscellaneous Data**

ANNUAL HOURS OF OPERATION (HRS/YR)	ESTIMATED MEASURE LIFE (YEARS)	PEAK DEMAND ELECTRICAL SAVINGS (KW)

**Step 4: Executive Summary (Please Define Project Scope in Further Detail)**

<b>Total Awarded Incentive **</b>	
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- ▶ \* Payback period must be greater than or equal to one and less than or equal to eight years to receive the incentive.
- ▶ \*\* Total Awarded Incentive cannot exceed 50% of the total custom project cost or \$2,000,000 whichever is lower.
- ▶ \*\*\* If New Construction, the baseline shall be in accordance with Michigan Energy Code or standard customary practice.

<b>Total Custom Incentive</b>	
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