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December 2021



# 2022 Incentive Application

## Consumers Energy

Business Energy Efficiency Programs

**Consumers Energy**  
Count on Us®

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### Need help?

**Call 877-607-0737**

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

## Express Applications

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### Steam Trap Express

Replacing failed steam traps extends the life of equipment, saves time and enhances comfort and safety. Get a complimentary steam trap audit to detect leaks that can cost a business up to \$500 per failed trap, annually. Find out more and download the express application at [ConsumersEnergy.com/steamtrapexpress](https://ConsumersEnergy.com/steamtrapexpress).

### Natural Gas Tune-up/Maintenance

The quickest way to receive up to \$3,000 in natural gas incentives and replace inefficient equipment with new energy efficient technologies. Find out more and download the express application at [ConsumersEnergy.com/hvacrebates](https://ConsumersEnergy.com/hvacrebates).

## Business Instant Discount Program


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**Instant savings, no application required!** Simply purchase the measures from participating distributors to receive the instant discount, look at page 44 and 45 for a list of all the eligible measures. The incentive is a discount at the point of purchase from participating distributors. For full details, visit [ConsumersEnergy.com/instantdiscount](https://ConsumersEnergy.com/instantdiscount).

## Bonus Incentives

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### Buy Michigan Bonus

Customers who use Michigan made products in their energy saving projects may be eligible for an additional 15% bonus incentive. An affidavit from the manufacturer attesting the product is at least 50% manufactured and assembled in the state of Michigan (exclusive of packaging) is required. Look for this symbol:  and check the Buy Michigan box located throughout the application to receive your bonus!

**Need Help?**

**Call 877-607-0737**

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

## 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 a single customer who is responsible for paying the Consumers Energy electric 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>	100% of the total project cost
<b>Custom Incentives</b>	50% of the total project cost
<b>Electric Customer Incentive Limit</b>	\$2 million across all facilities per customer
<b>Natural Gas Customer Incentive Limit</b>	\$1 million across all facilities per customer
<b>Natural Gas Custom Tiers per Customer</b>	100% of the calculated natural gas incentive up to \$500,000 50% of the calculated natural gas incentive above \$500,000

## About This Application

Consumers Energy Business Energy Efficiency Programs offer 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 certain energy efficiency improvements not covered by prescriptive incentives.

All Consumers Energy commercial and industrial customers are eligible for prescriptive and custom incentives.

An easy to use Online Application is available to use instead of this PDF.

Submit a project now at [ConsumersEnergy.com/easyapp](https://ConsumersEnergy.com/easyapp)

## Pre-Notifications

A pre-notification application is required for most projects, including all custom projects and new construction projects. It is recommended on projects requesting incentives over \$10,000. Check the current incentive application and program catalog for the measures you plan to install to see if a pre-notification application is required.

### PRE-NOTIFICATION APPLICATION

1. Completed Applicant Information (on page 6).
2. Attach supporting documentation (detailed descriptions of measures and equipment specifications are found in the program catalog).
3. Specification sheets for all proposed equipment.
4. Business energy efficiency measure worksheets for incentives requested.

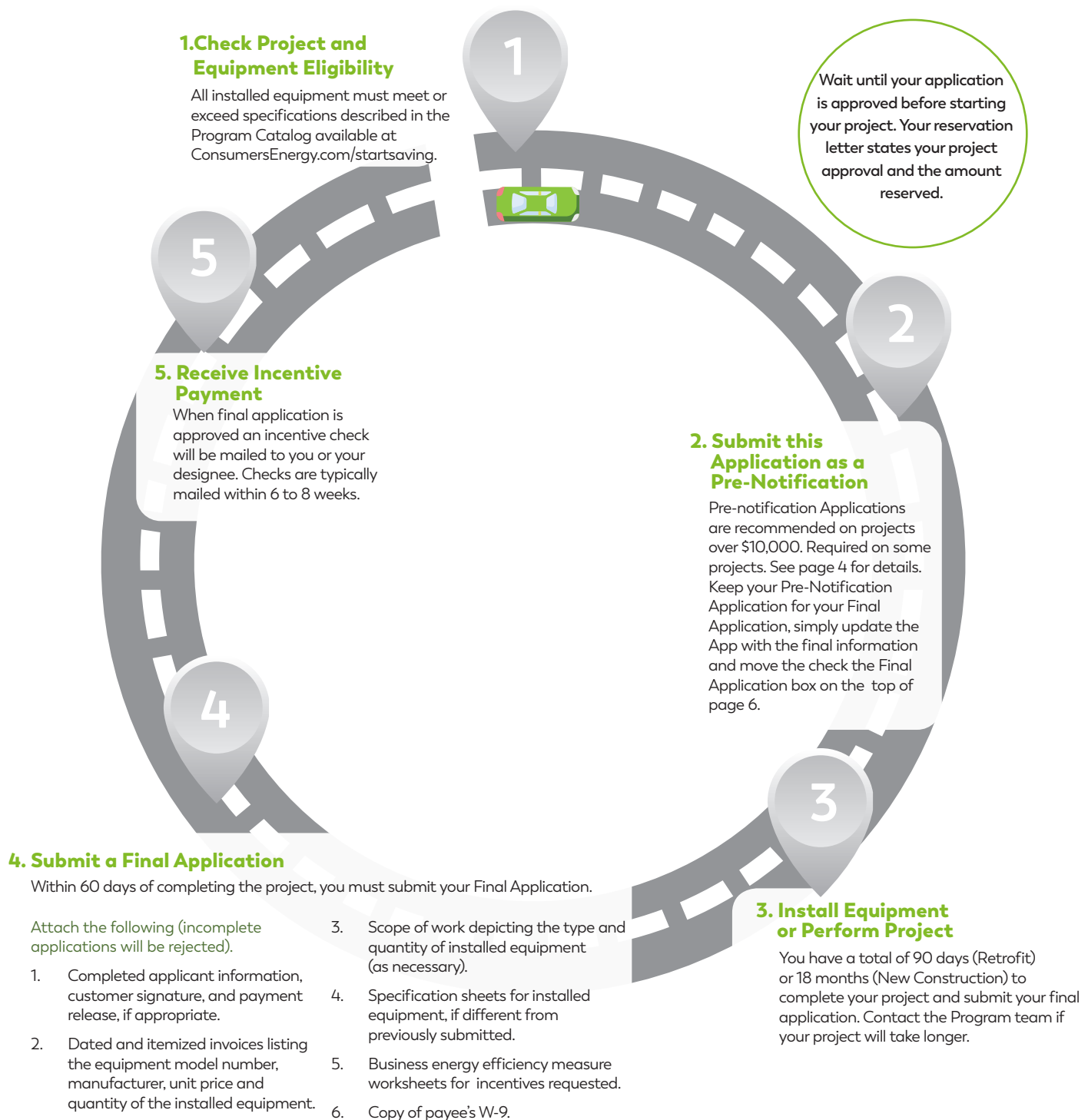
### NEW CONSTRUCTION PRE-NOTIFICATION

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

1. Completed Applicant Information (on page 6).
2. Attach supporting documentation (detailed descriptions of measures and equipment specifications are found in the program catalog).
3. Specification sheets for all proposed equipment.
4. Business energy efficiency measure worksheets for incentives requested.

## Submit Pre-Notifications and Final Applications by One of the Following Methods:

Mail: Consumers Energy Business Energy Efficiency Programs  
P.O. Box 1040 Okemos, MI 48805  
Fax: 877-607-0738  
Email: [ConsumersEnergyBusinessSolutions@cmsenergy.com](mailto:ConsumersEnergyBusinessSolutions@cmsenergy.com)



**DIRECTIONS:** Please save this form to your computer by selecting "File>Save As..." before filling out any information electronically and after select "Save."

Note: this form requires Adobe Reader® version 11.0 or higher to function properly. Download it at [get.adobe.com/reader](http://get.adobe.com/reader).

## Applicant Information

Type of Application: ☐ Retrofit Project ☐ New Construction Consumers Energy Advisor (if known) \_\_\_\_\_

Who is the primary contact? ☐ Customer ☐ Technical Contact Consumers Energy Account Manager (if known) \_\_\_\_\_

Include a secondary contact in communications? ☐ Customer ☐ Technical Contact

This is my: ☐ Pre-Notification Application ☐ Final Application ☐ Revised Application **PROJECT # CE-21-**\_\_\_\_\_

### How did you hear about us?

- |                                    |  |   |   |
|------------------------------------|--|---|---|
| <input type="checkbox"/> Radio     | <input type="checkbox"/> Internet          | <input type="checkbox"/> Direct Mail    | <input type="checkbox"/> Consumers Energy Account Manager |
| <input type="checkbox"/> TV        | <input type="checkbox"/> Email             | <input type="checkbox"/> Sporting Event | <input type="checkbox"/> Energy Advisor                   |
| <input type="checkbox"/> Billboard | <input type="checkbox"/> Prior Participant | <input type="checkbox"/> Contractor     | <input type="checkbox"/> Other _____                      |

### Customer Information (Required for All Applications)

Company Name (as it appears on Consumers Energy bill) \_\_\_\_\_

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

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

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

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

We will use your email address solely to provide timely information about the Consumers Energy Business Energy Efficiency Programs and your projects.

Consumers Energy Natural Gas Account Number (at Project Location)

Consumers Energy Electric Account Number (at Project Location)

### Primary Business Type

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> Agriculture       | <input type="checkbox"/> Heavy Industrial   | <input type="checkbox"/> Hotel           | <input type="checkbox"/> Big Box Retail           |
| <input type="checkbox"/> Auto Repair       | <input type="checkbox"/> Light Industrial   | <input type="checkbox"/> Motel           | <input type="checkbox"/> Small Retail             |
| <input type="checkbox"/> Biotech           | <input type="checkbox"/> High School        | <input type="checkbox"/> Large Office    | <input type="checkbox"/> Full Service Restaurant  |
| <input type="checkbox"/> Convenience Store | <input type="checkbox"/> School (K-8)       | <input type="checkbox"/> Small Office    | <input type="checkbox"/> Quick Service Restaurant |
| <input type="checkbox"/> Grocery           | <input type="checkbox"/> University/College | <input type="checkbox"/> Religious       | <input type="checkbox"/> Warehouse                |
| <input type="checkbox"/> Data              | <input type="checkbox"/> Hospital           | <input type="checkbox"/> Public Assembly | <input type="checkbox"/> Other _____              |
- Facility Size (Area) \_\_\_\_\_ ft<sup>2</sup>

### Customer Tax Information (Required for All Applications)

**Tax Status\*\*:** ☐ Individual/Sole proprietor single-member LLC ☐ C Corporation ☐ Partnership ☐ LLC Enter Tax Classification \_\_\_\_\_

☐ S Corporation ☐ Trust/Estate ☐ Other \_\_\_\_\_

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

EIN/Federal Tax ID  -

### Exemptions

Payee Code \_\_\_\_\_ FATCA Code \_\_\_\_\_

### 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\* \_\_\_\_\_ Consumers Energy Contractor ID (if known) \_\_\_\_\_

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

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

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_ Rebate Processor Name \_\_\_\_\_

\* Company name as it appears on your W-9.

\*\* W-9 must be provided for payee with application.

For internal use only

Date

Assigned

CE -

## Final Application/Customer Signature

Measure Category	Category Total (Before)	Buy Michigan
Lighting		
Lighting Controls		
Variable Frequency Drives (VFD)		
Compressed Air		
Miscellaneous Electric		
Manufacturing		
HVAC Equipment		
Building Automation Systems		
Advanced Air Distribution and Energy Recovery		
Laboratory		
Tune-up/Maintenance		
Refrigeration/Laundry/Kitchen		
Building Envelope and Insulation		
Pipe and Ductwork Insulation		
Agricultural		
LEED® Whole Building		
Custom		

**Print This Form**

Incentive Totals	
Measure Subtotal	
15% Buy Michigan Bonus	
Incentive Total	

**Important:** Please read the Terms and Conditions on page 8 before signing and submitting this application. A customer signature is required for payment in the incentive requested. Checks will be made out to the name of the applicant's business, unless payment is released in the third party payment release section below.

Incentive Requested		
Total Project Cost	Total Incentive Requested	Actual Completion Date
Company Name (as it appears on Consumers Energy bill)	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		
<b>Skip This Section If Rebate Check Will Be Made Payable To Customer</b>		
I authorize 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.		
<b>Authorized By:</b>		
Customer Name	Signature	Date
<b>Check should be made payable to:</b>		
Individual/Company Name*	Phone	
Mailing Address		
City	State	ZIP

**Tax Status\*\*:** ☐ Individual/Sole proprietor single-member LLC ☐ C Corporation ☐ Partnership ☐ LLC Enter Tax Classification \_\_\_\_\_  
☐ S Corporation ☐ Trust/Estate ☐ Other \_\_\_\_\_

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

EIN/Federal Tax ID   -

**Exemptions**

Payee Code \_\_\_\_\_ FATCA Code \_\_\_\_\_

► 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.

Interactive PDF is available at [ConsumersEnergy.com/startsaving](https://ConsumersEnergy.com/startsaving)

## Terms and Conditions

As an eligible Consumers Energy customer, I certify the indicated energy efficiency measures were installed during the 2021 program year. The energy optimization measures are installed in a qualifying facility, with a qualifying account, paying the Energy Waste Reduction surcharge and not for resale. Additional program Terms and Conditions may be found in the Policy and Procedures Manual available at [ConsumersEnergy.com/startsaving](https://ConsumersEnergy.com/startsaving).


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). Inside the 90-day and 18-month time-frame, you must submit your Final Application within 60 days of your 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 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 from the project completion date.
- 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 a corporation or tax exempt.
- From the project completion date 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: [michigan.gov/deq/](https://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 subsequently opt out of any recognition, I must indicate this choice in a written letter to the Consumers Energy Business Energy Efficiency Programs 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 program year for which the incentive is paid.
- We are committed to keeping your email address confidential. We will never sell, rent, or lease our subscription lists to third parties, and we will not provide your personal information to any third party individual, government agency, or company at any time unless compelled to do so by law.
- We will use your email address solely to provide timely information about the Consumers Energy Business Energy Efficiency program and your projects.
- In compliance with the CAN-SPAM Act, all email sent from our organization will clearly state who the e-mail is from and provide clear information on how to contact the sender. In addition, all email messages will also contain concise information on how to remove yourself from our mailing list so that you receive no further email communication from the Consumers Energy Business Energy Efficiency Program.

## Linear LED Tube Lights UL Type A, B, and Dual Mode (DM)\* (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# Of Units	LED Model #	Total Incentive	
LT101	2-Foot T12 to 2-Foot LED Tube Light	\$2.50	Lamp				<input type="checkbox"/>
LT102	2-Foot T8 to 2-Foot LED Tube Light	\$1.00	Lamp				<input type="checkbox"/>
LT103	3-Foot T12 to 3-Foot LED Tube Light	\$3.50	Lamp				<input type="checkbox"/>
LT104	3-Foot T8 to 3-Foot LED Tube Light	\$2.00	Lamp				<input type="checkbox"/>
LT105	4-Foot T12 to One (1) 4-Foot LED Tube Light	\$5.00	Lamp				<input type="checkbox"/>
LT106	4-Foot T8 to One (1) 4-Foot LED Tube Light (Low Bay)	\$3.00	Lamp				<input type="checkbox"/>
LT107	4-Foot T8 to One (1) 4-Foot LED Tube Light (High Bay)	\$4.00	Lamp				<input type="checkbox"/>
LT108	4-Foot T5 to One (1) 4-Foot LED Tube Light (Low Bay)	\$3.00	Lamp				<input type="checkbox"/>
LT109	4-Foot T5 to One (1) 4-Foot LED Tube Light (High Bay)	\$4.00	Lamp				<input type="checkbox"/>
LT110	8-Foot T12 to Two (2) 4-Foot LED Tube Light	\$10.00	8-Foot Replaced				<input type="checkbox"/>
LT111	8-Foot T8 to Two (2) 4-Foot LED Tube Light	\$7.00	8-Foot Replaced				<input type="checkbox"/>
LT112	8-Foot T12 to One (1) 8-Foot LED Tube Light	\$10.00	8-Foot Replaced				<input type="checkbox"/>
LT113	8-Foot T8 to One (1) 8-Foot LED Tube Light	\$7.00	8-Foot Replaced				<input type="checkbox"/>

## Linear LED Tube Lights UL Type C\* (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# Of Units	LED Model #	Total Incentive	
LT114	2-Foot T12 to 2-Foot LED Tube Light	\$2.50	Lamp				<input type="checkbox"/>
LT115	2-Foot T8 to 2-Foot LED Tube Light	\$1.00	Lamp				<input type="checkbox"/>
LT116	3-Foot T12 to 3-Foot LED Tube Light	\$3.50	Lamp				<input type="checkbox"/>
LT117	3-Foot T8 to 3-Foot LED Tube Light	\$2.00	Lamp				<input type="checkbox"/>
LT118	4-Foot T12 to One (1) 4-Foot LED Tube Light	\$5.00	Lamp				<input type="checkbox"/>
LT119	4-Foot T8 to One (1) 4-Foot LED Tube Light (Low Bay)	\$3.00	Lamp				<input type="checkbox"/>
LT120	4-Foot T8 to One (1) 4-Foot LED Tube Light (High Bay)	\$4.00	Lamp				<input type="checkbox"/>
LT121	4-Foot T5 to One (1) 4-Foot LED Tube Light (Low Bay)	\$3.00	Lamp				<input type="checkbox"/>
LT122	4-Foot T5 to One (1) 4-Foot LED Tube Light (High Bay)	\$4.00	Lamp				<input type="checkbox"/>
LT123	8-Foot T12 to Two (2) 4-Foot LED Tube Light	\$10.00	8-Foot Replaced				<input type="checkbox"/>
LT124	8-Foot T8 to Two (2) 4-Foot LED Tube Light	\$7.00	8-Foot Replaced				<input type="checkbox"/>
LT125	8-Foot T12 to One (1) 8-Foot LED Tube Light	\$10.00	8-Foot Replaced				<input type="checkbox"/>
LT126	8-Foot T8 to One (1) 8-Foot LED Tube Light	\$7.00	8-Foot Replaced				<input type="checkbox"/>

## Permanent Lamp Removal (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# Of Units	Total Incentive
LT127	T8 or T12 2-Foot or 3-Foot Lamp Removal	\$1.50	Lamp Removed		
LT128	T8 or T12 4-Foot Lamp Removal	\$5.00	Lamp Removed		
LT129	T8 or T12 8-Foot Lamp Removal	\$12.00	Lamp Removed		



\*Notes: UL Type A: TLEDs are used as a direct replacement for existing fluorescent tubes, reusing the existing fluorescent ballast and reusing the existing lamp holders to connect the TLED tube to the fixture.

UL Type B: TLEDs typically use the lamp holders (either existing or retrofitted) to connect the TLEDs to the existing fluorescent fixture, but do not operate through the existing fluorescent ballast. TLEDs have internal drivers and run off line voltage.

UL Type C: TLEDs connected to the low voltage side of the TLEDs new external driver. The existing fluorescent ballast is disconnected and fully removed from the existing fluorescent fixture.

Dual Mode (DM) Internal Drivers (UL Type A and Type B): TLEDs may operate off the existing fluorescent ballast or be rewired to operate off line voltage. They have the same requirements as Type A or Type B TLED.

**Subtotal Lighting Incentive - Page 1**

Check the **Buy Michigan Box**  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Lighting New/Retrofit Fixtures (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	New Fixture and Retrofit Measures	Incentive (F)	Unit
LT201	Exterior LED Lighting	\$0.65	Watt Reduced
LT202	Parking Garage LED Lighting	\$0.60	Watt Reduced
LT203	Interior LED Lighting (High Bay ≥ 15-Foot)	\$0.40	Watt Reduced
LT204	Interior LED Lighting (High Bay ≥ 15-Foot) Continuous Operation	\$1.00	Watt Reduced
LT205	Interior LED Lighting (Low Bay < 15-Foot)	\$0.35	Watt Reduced
LT206	Interior LED Lighting (Low Bay < 15-Foot) Continuous Operation	\$1.00	Watt Reduced
LT207	New Linear LED Tube Fixture (High Bay ≥ 15-Foot)	\$0.55	Watt Reduced
LT208	New Linear LED Tube Fixture (High Bay ≥ 15-Foot) Continuous Operation	\$1.00	Watt Reduced
LT209	New Linear LED Tube Fixture (Low Bay < 15-Foot)	\$0.30	Watt Reduced
LT210	LED Screw-in Replacing HID	\$0.25	Watt Reduced
LT211	Signage Lighting Retrofit (Continuous Operation)	\$0.50	Watt Reduced
LT212	Signage Lighting Retrofit (Commercial Hours)	\$0.25	Watt Reduced

Select Appropriate Measure ID	Pre			Post			Total Watts Reduced (E) =(AxB)-(Cx D)	Incentive/ Watt Reduced (F)	Total Incentive (ExF)
	# Of Fixtures (A)	# Of Lamps/ Fixture	Watts Per Fixture (B)	# Of Fixtures (C)	# Of Lamps/ Fixture	Watts Per Fixture (D)			
LED Model #									
LED Model #									
LED Model #									
LED Model #									
LED Model #									
LED Model #									
LED Model #									
LED Model #									
LED Model #									
Total Incentive									

Subtotal Lighting Incentive - Page 2

## Trim Kits (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	LED Model #	Total Incentive
LT301	Trim Kits	\$8.00	Trim Kit			



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

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit
LT302	Lumens per Watt Improvement per Year**	\$0.09	kWh
LT303	Energy Conservation Improvement per Year	\$0.05	kWh

\*\* At least a 5 percent lumens per watt systems improvement.

Brief Description of Existing Lighting System	Annual Hours 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)
Totals							

Brief Description of New Lighting System	Annual Hours 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)
Totals							

Electric 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/yr (H-P=V)	Annual Cost Savings (\$/Yrs) (QxV=W)	Simple Payback Period (Yrs) (R/W)	Incentive Rate (\$/kWh) (A)	Total Incentive (VxA)
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									



Subtotal Lighting Incentive - Page 3

## Lighting

Check the **Buy Michigan Box**  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

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

(Consumers Energy Electric Customers)

ID	New Fixture Measures	Incentive	Unit
LT401	Interior Lighting	\$0.30	Watt Reduced
LT402	Exterior Lighting	\$0.45	Watt Reduced
LT403	Parking Garage Lighting	\$0.80	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 \$0.30)	
	Total						<input type="checkbox"/>
Exterior							
						(D x \$0.45)	
	Total						<input type="checkbox"/>
Parking Garage							
						(D x \$0.80)	
	Total						<input type="checkbox"/>
Total Incentive							

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



Subtotal Lighting Incentive - Page 4

Total Lighting Incentive

For internal use only





	Allowed	Proposed	Reduction
Tradeable watts			
Non-tradeable watts			

## Lighting Controls

Check the **Buy Michigan Box**  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

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

(Consumers Energy Electric Customers)

ID	Measure	# of Sensors	Incentive	Unit	# of Units	Total Incentive	
LC101a	Interior Lighting	< 150 sq. ft.		Sensor			<input type="checkbox"/>
LC101b	Occupancy Sensors per Space Controlled (i)	≥ 150 and ≤ 500 sq. ft.		Sensor			<input type="checkbox"/>
LC101c		> 500 sq. ft.		Sensor			<input type="checkbox"/>
LC102	Interior Lighting Occupancy Sensors(i)		\$0.08	Watt Controlled			<input type="checkbox"/>
LC103	Interior Occupancy Sensor & Daylight Sensor Controls*		\$0.12	Watt Controlled			<input type="checkbox"/>
LC104	Daylight Sensor Controls*		\$0.09	Watt Controlled			<input type="checkbox"/>
LC105	Central Lighting Controls*		\$0.06	Square Foot			<input type="checkbox"/>
LC106	Interior Stairwell Lighting Controls*		\$0.40	Watt Controlled			<input type="checkbox"/>
LC107	Exterior Multi-Step Dimming Occupancy Sensors*		\$0.15	Watt Controlled			<input type="checkbox"/>
LC108	Exterior Lighting Occupancy Sensors*		\$0.25	Watt Controlled			<input type="checkbox"/>
LC109	Exterior Multi-Step Dimming Timer Controls*		\$0.15	Watt Controlled			<input type="checkbox"/>

(i) LC101 and LC102 measures cannot be applied to the same sensor. Integrated sensors or sensors controlling only one low-bay fixture are only eligible for LC101a. Sensors controlling a single high-bay fixture or integrated into a high-bay fixture are eligible for LC101a or LC101b.

#### Subtotal Lighting Control Incentive


### Network Lighting Controls (NLC) (Pre-Notification on all Network Lighting Controls Incentives is REQUIRED)

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

#### Step 1: Energy Savings Summary

Incentive Rate Type 1: Commercial, Offices, Schools and Hospitals; \$0.25/kWh year

Incentive Rate Type 2: Manufacturing, Heavy Industrial, Parking Structures and Warehousing; \$0.18/kWh year

ID	Service	Unit	Current Energy Cost (\$/kWh)	Annual Savings (kWh/yr.) (A)	Incentive Rate (\$/kWh) (B)	Project Cost	Simple Payback Period*	Total NLC Incentive (AxB)	
LC110	Electric	kWh			Type 1: \$0.25				<input type="checkbox"/>
LC111	Electric	kWh			Type 2: \$0.18				<input type="checkbox"/>

#### Step 2: Miscellaneous Data

Annual Hours of Operation (Hours/Yr.)	Estimated Measure Life (Years)	Peak Demand Electrical Savings (kW)

#### Step 3: Executive Summary (Please define project scope in full detail, including a summary of before lighting control and after NLC retrofit)

\* 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 percent of the total project cost or customer annual limits.

\*\*\*If New Construction, the baseline shall be in accordance with Michigan Energy Code or standard customary practice.

#### Subtotal Network Lighting Control Incentive\*\*

#### Total Lighting Controls Incentive

## HVAC Variable Frequency Drives (\*Pre-Notification Required for motors over 100 HP)

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit (B)
VF101	VFD on HVAC Supply Fan up to 100 HP**	\$70.00	HP
VF102	VFD on HVAC Return Fan up to 100 HP**	\$70.00	HP
VF103	VFD on Cooling Tower Fan**	\$40.00	HP
VF104	VFD on HVAC Chilled Water Pump up to 100 HP**	\$60.00	HP
VF105	VFD on HVAC Hydronic Heating Water Pump up to 100 HP**	\$100.00	HP
VF106	VFD on HVAC Fans - Fixed Speed (54 Hz or less)*	\$50.00	HP
VF107	VFD on CW HVAC Pumps - Fixed Speed (54 Hz or less) Bypass*	\$40.00	HP
VF108	VFD on CW HVAC Pumps - Fixed Speed (54 Hz or less) Throttled*	\$25.00	HP
VF109	VFD on HW HVAC Pumps - Fixed Speed (54 Hz or less) Bypass*	\$70.00	HP
VF110	VFD for HW HVAC Pumps - Fixed Speed (54 Hz or less) Throttled*	\$40.00	HP
VF111	2 Speed RTU Supply Fan	\$20.00	Ton
VF112	VFD on Condenser Fan - HVAC	\$50.00	Ton of Load

VFD Application (See Above)	Installation Type (i)	Control Before VSD (ii)	Control Variable (iii)	Incentive Rate (See above) (A)	Controlled Motor Size (HP) (B)	Quantity (C)	Incentive (A x B x C)

### VFD Installation Type (I)

Code	Description	Code	Description
SFA	HVAC Supply Air Fan	CDWP	Condenser Water Pump
RFA	HVAC Return Air Fan	CW	Chilled Water Pump
BEF	Building Exhaust Fan	WSP	Domestic Water Pump
MAF	Make-up Air Fan	FWP	Boiler Feed Water Pump
CTF	Cooling Tower Fan	HW	Hydronic HVAC Pump
BDF	HVAC Boiler Draft Fan	PP	Pool Pump
FM	Other Fan (Specify):	PM	Other Pump (Specify):

### Control Before VFD (II)

Code	Description
DD	Discharge Damper
IGV	Inlet Guide Vanes
OCV	Outlet Control/Throttle Valve
BV	Bypass
ONF	ON/OFF
MISC	Other (Specify):

### Control Variable (III)

Code	Description
Temp	Temperature
P	Pressure
Flow	Volume Flow Rate
Misc	Variable Input

\*Pre-Notification required for motors over 100 HP (or Process Pumps or Fans greater than 50 HP). Please fill out the Variable Frequency Drive Worksheet in the Catalog Appendix.

\*\* Measure may be eligible for New Construction applications if fan HP < 10HP or pump HP < 50HP.

**Subtotal VFD Incentive - Page 1**

## Process Variable Frequency Drives (Up to 250 HP) (\*Pre-Notification Required for Motors over 50 HP)

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit (B)
VF201	VFD on Process Pump up to 50 HP	\$125.00	HP
VF202	VFD on Process Pump 51 HP to 250 HP*	\$75.00	HP
VF203	VFD on Process Fan up to 50 HP	\$100.00	HP
VF204	VFD on Process Fan 51 HP to 250 HP*	\$50.00	HP
VF205	VFD on Process Fan - Fixed Speed (54 Hz or less)*	\$75.00	HP
VF206	VFD on Process Pump - Fixed Speed (54 Hz or less)*	\$100.00	HP
VF207	VFD on Computer Room Air Condition (CRAC) Unit	\$150.00	HP
VF208	VFD on Open Loop Pumping Systems up to 100 HP	\$40.00	HP
VF209	VFD on Condenser Fan - Med Temp Refrigeration (33 to 50°F)	\$100.00	HP
VF210	VFD on Condenser Fan - Low Temp Refrigeration (Below 32°F)	\$120.00	HP
VF211	VFD on Pool Circulation Pump - up to 50 HP	\$200.00	HP
VF212	VFD on Process Cooling Tower Fan	\$40.00	HP
VF213	VSD for Industrial Vacuum Pump Systems	\$20.00	HP

\*Pre-Notification required for motors over 100 HP (or Process Pumps or Fans greater than 50 HP). Please fill out the Variable Frequency Drive Worksheet in the Catalog Appendix.

VFD Application (See Above)	Installation Type (i)	Control Before VFD (ii)	Control Variable (iii)	Incentive Rate (See above) (A)	Controlled Motor Size (HP) (B)	Quantity (C)	Incentive (A x B x C)

### VFD Installation Type (I)

Code	Description	Code	Description
SFA	HVAC Supply Air Fan	CDWP	Condenser Water Pump
RFA	HVAC Return Air Fan	CW	Chilled Water Pump
BEF	Building Exhaust Fan	WSP	Domestic Water Pump
MAF	Make-up Air Fan	FWP	Boiler Feed Water Pump
CTF	Cooling Tower Fan	HW	Hydronic HVAC Pump
BDF	HVAC Boiler Draft Fan	PP	Pool Pump
FM	Other Fan (Specify):	PM	Other Pump (Specify):

### Control Before VFD (II)

Code	Description
DD	Discharge Damper
IGV	Inlet Guide Vanes
OCV	Outlet Control/Throttle Valve
BV	Bypass
ONF	ON/OFF
MISC	Other (Specify):

### Control Variable (III)

Code	Description
Temp	Temperature
P	Pressure
Flow	Volume Flow Rate
Misc	Variable Input

Subtotal VFD Incentive - Page 2

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

(Consumers Energy Electric Customers)

ID	Measure	Incentive (A)	Unit	# of HP per Motor (B)	# of Motors (C)	Total Incentive (A x B x C)
VF301	Integrated Variable Speed Motor (ECM) for Furnaces, UVs, FCs and Light Duty AHUs (up to 7.5 HP)	\$100.00	HP			
VF302	Integrated Variable Speed Motor (ECM) for Exterior Condenser Fans	\$30.00	HP			

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

(Consumers Energy Electric Customers)

ID	Measure		Incentive	Unit	# of Watts	# of Motors	Total Incentive
VF303a	ECM on Domestic Hot Water Recirculation	< 500w	\$100.00	EC Motors			
VF303b		500w to 1,000w	\$250.00	EC Motors			
VF303c		> 1,000w	\$500.00	EC Motors			
VF304a	ECM on Hydronic Heating	< 500w	\$50.00	EC Motors			
VF304b		500w to 1,000w	\$150.00	EC Motors			
VF304c		> 1,000w	\$450.00	EC Motors			
VF305a	ECM on Chilled Water Circulation	< 500w	\$25.00	EC Motors			
VF305b		500w to 1,000w	\$100.00	EC Motors			
VF305c		> 1,000w	\$200.00	EC Motors			

1HP = 745.7 watts; example: a 1/16 HP motor is 46.6 watts.

Subtotal VFD Incentive - Page 3

Total VFD Incentive

## Supply Side Measures

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

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
CA101	VSD Air Compressor (50 HP to 500 HP) (Single Air Compressor Systems) Minimum 6,000 hrs/year operation*	\$170.00	HP			<input type="checkbox"/>
CA102	VSD Air Compressor (50 HP to 500 HP) (Single Air Compressor Systems) Minimum 2,000 hrs/year operation*	\$100.00	HP			<input type="checkbox"/>
CA103	VSD Air Compressor (50 HP to 500 HP) (Multiple Air Compressor Systems) Minimum 7,200 hrs/year operation*	\$200.00	HP			<input type="checkbox"/>
CA104	VSD Air Compressor (50 HP to 500 HP) (Multiple Air Compressor Systems) Minimum 4,000 hrs/year operation*	\$150.00	HP			<input type="checkbox"/>
CA105	VSD Retrofit Air Compressor (50 HP to 300 HP) (Single Air Compressor Systems) Minimum 6,000 hrs/year operation*	\$75.00	HP			<input type="checkbox"/>
CA106	VSD Retrofit Air Compressor (50 HP to 300 HP) (Multiple Air Compressor Systems) Minimum 7,200 hrs/year operation*	\$100.00	HP			<input type="checkbox"/>
CA107a	VSD Air Compressor (Less than 50 HP) 24/7 Operation	\$200.00	HP			<input type="checkbox"/>
CA107b	VSD Air Compressor (Less than 50 HP) 3-Shift	\$150.00	HP			<input type="checkbox"/>
CA107c	VSD Air Compressor (Less than 50 HP) 2-Shift	\$100.00	HP			<input type="checkbox"/>
CA107d	VSD Air Compressor (Less than 50 HP) 1-Shift	\$50.00	HP			<input type="checkbox"/>
CA108	Variable Displacement (VD) Air Compressor*	\$35.00	HP			<input type="checkbox"/>
CA109	Two Stage Rotary Screw Air Compressor (VSD/VD/LNL Type)*	\$20.00	HP			<input type="checkbox"/>
CA110	Refrigerated Cycling Thermal Mass Air Dryer*	\$1.00	SCFM			<input type="checkbox"/>
CA111	Refrigerated Cycling Variable Speed Drive Air Dryer*	\$3.50	SCFM			<input type="checkbox"/>
CA112	Refrigerated Cycling Digital Scroll Air Dryer*	\$3.00	SCFM			<input type="checkbox"/>
CA113	Air Dryer, Desiccant to Refrigerated*	\$4.00	SCFM			<input type="checkbox"/>
CA114	Heated Blower Purge Desiccant Compressed Air Dryer*	\$4.00	SCFM			<input type="checkbox"/>
CA115	Compressed Air Desiccant Dryer, Dew point Sensor Control*	\$8.00	SCFM			<input type="checkbox"/>
CA116	Heat of Compression Air Dryer*	\$6.50	SCFM			<input type="checkbox"/>
CA117	Air Recycling Pneumatic Valve, ≥ 4,000,000 cycles per year	\$35.00	Valve			<input type="checkbox"/>
CA118	Air Recycling Pneumatic Valve, ≥ 2,000,000 cycles per year	\$20.00	Valve			<input type="checkbox"/>
CA119	Low-Pressure Drop Air Filter	\$7.50	HP			<input type="checkbox"/>
CA120	Compressed Air Pressure Flow Controller*	\$10.00	HP			<input type="checkbox"/>
CA121	Air Compressor Outdoor Air Intake	\$14.51	HP			<input type="checkbox"/>
CA122	Air Compressor Waste Heat Recovery (Consumers Energy Natural Gas Customers Only)*	\$50.00	HP			<input type="checkbox"/>
CA123a	Compressed Air Storage Tank*	1 gal/CFM to 3 gal/CFM	HP			<input type="checkbox"/>
CA123b		3 gal/CFM to 5 gal/CFM	HP			<input type="checkbox"/>
CA123c		5 gal/CFM to 10 gal/CFM	HP			<input type="checkbox"/>

\*Pre-Notification is required.

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

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
CA124	Correct Sizing Compressed Air (Per HP Reduced)	\$95.00	HP			<input type="checkbox"/>

Subtotal Compressed Air - Page 1

## Compressed Air

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

## Demand Side Measures

### Compressed Air Energy Audit & Leak Repair

(Consumers Energy Electric Customers)

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
CA201	Compressed Air Energy Audit				\$15.00	HP		
CA202	Compressed Air Energy Audit with VSD				\$20.00	HP		
CA203	Compressed Air Energy Audit with Metered Flow				\$25.00	HP		
CA204	Compressed Air Energy Audit with Metered Flow with VSD				\$30.00	HP		
CA205	Compressed Air Leak Repair				\$7.50	HP		
CA206	Compressed Air Leak Repair with VSD				\$10.00	HP		

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

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
CA207	Zero Loss Condensate Drain	\$300.00	Drain		
CA208	Zero Loss Condensate Drain, Float Style	\$300.00	Drain		
CA209	Pressure Sensing Vortex Vacuum Generators	\$20.00	CFM		
CA210	Pneumatic Air Tools Replaced with Electric Tools*	\$100.00	Tool		
CA211	Pneumatic Air Tools Replaced with Electric Cordless Tools*	\$70.00	Tool		
CA212	Electric Motors Replacing Pneumatic Motors*	\$100.00	HP		
CA213	Compressed Air Applications Replaced with Air Blowers*	\$450.00	HP (Air Blower)		

\*Pre-Notification is required.

### Compressed Air Engineered Nozzles (Pre-Notification Required)



(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	Hours of Operation	Orifice Diameter	# of Units	Total Incentive
	Compressed Air Engineered Nozzle	\$150.00	Nozzle				
	Compressed Air Engineered Nozzle	\$150.00	Nozzle				
	Compressed Air Engineered Nozzle	\$150.00	Nozzle				
	Compressed Air Engineered Nozzle	\$150.00	Nozzle				
	Compressed Air Engineered Nozzle	\$150.00	Nozzle				
	Compressed Air Engineered Nozzle	\$150.00	Nozzle				

Subtotal Compressed Air - Page 2

Total Compressed Air Incentive

## Miscellaneous Electric

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Power Management

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
ME101	Advanced Power Strips (Tier 1)	\$4.00	Unit		
ME102	Network Power Management Software	\$12.00	Per PC Controlled		
ME103	Beverage Vending Machine Controllers	\$65.00	Unit		
ME104	Engine Block Heater Controls	\$100.00	Heater		
ME105	Drinking Water Cooling Miser	\$50.00	Miser		
ME106	Snack Vending Machine Miser	\$25.00	Miser		

### Miscellaneous

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
ME107	High-Efficiency Hand Dryer	\$100.00	Unit		
ME108	Cogged V-Belt Drives (1 to 25 HP)	\$5.00	HP		
ME109	Cogged V-Belt Drives (26 to 500 HP)	\$2.50	HP		

### Efficient Rectifier for Telecommunications (200 amps or less)(Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
ME110	94% Efficiency with CRAC Economizer	\$75.00	kW Load		
ME111	94% Efficiency without CRAC Economizer	\$55.00	kW Load		
ME112	97% Efficiency with CRAC Economizer	\$125.00	kW Load		
ME113	97% Efficiency without CRAC Economizer	\$100.00	kW Load		

### High Efficiency Pumps: Pump Energy Index (PEI) (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit
ME114a	Pump Efficiency Index (PEI)	Standard Hours	\$0.15
ME114b		Low Hours (<2,000)	\$0.10

ID	Pump Manufacturer	Model #	HP (0-50) (A)	System Type	PEI (Baseline) (B)	PEI (Efficient) (C)	Speed RPM	Pump Class*	Quantity	Incentive (D)	Total Incentive



\***Pump Class:** End Suction Frame Mounted (ESFM), End Suction Close Coupled (ESCC), In-Line (IL), Radially split multi-stage Vertical In-Line (RSV) and Vertical Turbine – Submersible (VTS). **System Type:** Constant or Variable speed. **PEI:** see Hydraulic Institute – ER Portal.

ME114a Incentive Standard Hours (\$) = (PEIbaseline (B) – PEIefficient (C)) x HP (A) x 27.5 kWh/HP (A)/.01PEI x incentive (\$0.15/kWh) (D)

ME114b Incentive Low Hours (<2000) (\$) = (PEIbaseline (B) – PEIefficient (C)) x HP (A) x 11 kWh/HP (A)/.01PEI x incentive (\$0.10/kWh) (D)

**Total Miscellaneous Electric Incentive**

## Manufacturing

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

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

(Consumers Energy Electric Customers)

ID	Measure			Annual Production Rate (lb./yr.)	Incentive	Unit	# of Units	Total Incentive
MA101a	High Efficiency Injection Molding Machines	All-Electric			\$20.00	Metric Ton		
MA101b		Hybrid			\$20.00	Metric Ton		
MA101c		VSD or Servo Hydraulic	1,000 lb./yr./ton		\$18.00	Metric Ton		
MA101d			600 lb./yr./ton		\$15.00	Metric Ton		
MA101e			≥ 400 < 600 lb./yr./ton		\$7.50	Metric Ton		
MA102a	Fiber Laser Cutting Replacing Carbon Dioxide Laser Cutting - Three Shift			\$4,000.00	Output kW			
MA102b	Fiber Laser Cutting Replacing Carbon Dioxide Laser Cutting - Two Shift			\$2,500.00	Output kW			
MA103	Process Dryer Flow Rate Control With Relative Humidity Sensor (Dryer Exit Temperature of at least 150°F)				\$4.00	CFM Reduced		
MA104	Dew point 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 Reduced		
MA108	Decreasing Oven Exhaust Flow Rate (Natural Gas Heat) (200°F to 600°F)				\$0.75	CFM Reduced		
MA109	Decreasing Oven Exhaust Flow Rate (Natural Gas 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	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		\$20.00	CFM		
MA113b		3 Shift		\$25.00	CFM		

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

(Consumers Energy Electric Customers)

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	\$200.00	Unit		
MA114b		2 Shift Operation/Day	\$400.00	Unit		
MA114c		Continuous Operation	\$600.00	Unit		
MA115	Barrel Wrap Insulation - Injection Molding and Extrusion		\$100.00	Square Foot		
MA116	Welder, Inverter Style		\$500.00	Welder		



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Subtotal Manufacturing Incentive - Page 1

Check the **Buy Michigan Box**  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

## Heat Recovery for 100% Makeup Air Heating (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure		Incentive	Unit	# of Units	Total Incentive
MA201a	Replacement of Direct-fired Equipment	2 Shift	\$0.60	CFM Reduced		
MA201b		3 Shift	\$1.00	CFM Reduced		
MA202a	Replacement of Indirect-fired Equipment	2 Shift	\$0.70	CFM Reduced		
MA202b		3 Shift	\$1.25	CFM Reduced		



Total Manufacturing Incentive - Page 2






Total Manufacturing Incentive

## HVAC Equipment

### Split and Unitary Air Conditioning Systems

(Consumers Energy Electric Customers)

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

ID	Equipment	Size Category	Qualifying Efficiency	Incentive	Unit		ID	Equipment	Size Category	Qualifying Efficiency	Incentive	Unit
HV101a	Split Air Conditioning Systems	< 5.4 tons	15.0 SEER	\$30.00	Ton		HV101f	Unitary Air Conditioning Systems (RTU's)	< 5.4 tons	15.0 SEER	\$30.00	Ton
HV101b		≥ 5.4 to < 11.25 tons	12.0 EER/ 13.8 IEER	\$40.00	Ton		HV101g		≥ 5.4 to < 11.25 tons	12.0 EER/ 13.8 IEER	\$40.00	Ton
HV101c		≥ 11.25 to < 20 tons	12.0 EER/ 13.0 IEER	\$40.00	Ton		HV101h		≥ 11.25 to < 20 tons	12.0 EER/ 13.0 IEER	\$40.00	Ton
HV101d		≥ 20 to < 63 tons	10.6 EER/ 12.1 IEER	\$30.00	Ton		HV101i		≥ 20 to < 63 tons	10.6 EER/ 12.1 IEER	\$30.00	Ton
HV101e		> 63 tons	10.2 EER/ 11.4 IEER	\$30.00	Ton		HV101j		≥ 63 tons	10.2 EER/ 11.4 IEER	\$30.00	Ton
Equipment (See Above)		Make and Model			SEER, EER		IEER	Unit Size (Tons) (A)	Quantity (B)	Incentive per Ton (C)	Total Incentive (AxBxC)	

### Computer Room Air Conditioning (Pre-Notification Required\*)

(Consumers Energy Electric Customers)

ID	Equipment Type	Equipment Size	Min SCOP	Incentive Per MBH	Actual SCOP	Unit Size MBH	Quantity	Total Incentive
HV102a	High-Efficiency Computer Room Air Conditioning	< 65 MBH	2.9	\$20.00				
HV102b		≥ 65 MBH to < 240 MBH	2.7					
HV102c		≥ 240 MBH	2.5					

ID	Equipment Type	Return Air Temp	Incentive	Unit	Actual SCOP	Unit Size MBH	Quantity	Total Incentive
HV103a	Data Room Hot/Cold Aisle Configuration*	Increased by at least 5°F	\$10.00	MBH				
HV103b		Increased by at least 10°F	\$20.00	MBH				

\*Pre-Notification is required.



### Air Conditioning

(Consumers Energy Electric Customers)

ID	Equipment Type	Size	Incentive	Unit	Unit Size Tons	Quantity	Total Incentive
HV104a	Packaged Terminal Air Conditioning (PTAC)	< 7,000 BTU/hr. = 13.1 EER	\$50.00	Unit			
HV104b		7,000 to 15,000 BTU/hr. = 11.8 EER	\$60.00	Unit			
HV104c		> 15,000 Btu/hr. = 10.5 EER	\$70.00	Unit			
HV105a	Packaged Terminal Heat Pump (PTHP)	< 7000 BTU/hr. = 13.1 EER	\$30.00	Unit			
HV105b		7000 BTU/hr - 15000 BTU/hr. = 11.8 EER	\$35.00	Unit			
HV105c		> 15000 BTU/hr. = 10.5 EER	\$40.00	Unit			
HV106	Ductless Air Conditioning or Heat Pump System		\$50.00	Unit			

Subtotal HVAC Equipment Incentive - Page 1

## HVAC Equipment

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Ground Source Heat Pump

(Consumers Energy Electric Customers)

ID	Equipment Type	Size	\$/ton 17 EER Base Incentive	\$/ton 0.1 EER Incentive	Quantity	Unit Size Tons	EER	Base Incentive	Incremental Incentive	Total Incentive
HV201	Ground Source Heat Pump	< 135 MBH (11.25 tons)	\$30.00	\$1.00						

### Humidification (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Equipment Type	Incentive	Unit	Number of Humidifier	Total Area Served	Total Incentive
HV202	Ultrasonic Humidifier	\$0.10	Square Foot			

### Chillers

(Consumers Energy Electric Customers)

ID	Equipment Type	Size	Unit	Path A - FLV Reduction		Path B - IPLV Reduction		\$/Ton Base	\$/0.01 Reduction
				FLV (E)	IPLV	FLV	IPLV (H)		
HV203a	Air-Cooled Chillers	< 150 ton	kW/ton	1.19	0.88	1.24	0.76	\$7.00	\$2.00
HV203b		≥ 150 ton	kW/ton	1.19	0.86	1.24	0.75	\$7.00	\$2.00
HV204a	Water Cooled Positive Displacement (Screw) Chillers	< 75 ton	kW/ton	0.75	0.6	0.78	0.5	\$10.00	\$2.00
HV204b		≥ 75 ton and < 150 ton	kW/ton	0.72	0.56	0.75	0.49	\$10.00	\$2.00
HV204c		≥ 150 ton & < 300 ton	kW/ton	0.66	0.54	0.68	0.44	\$10.00	\$2.00
HV204d		≥ 300 ton & < 600 ton	kW/ton	0.61	0.52	0.63	0.41	\$10.00	\$2.00
HV204e	Water Cooled Centrifugal Chillers	≥ 600 ton	kW/ton	0.56	0.5	0.59	0.38	\$10.00	\$2.00
HV205a		< 150 ton	kW/ton	0.61	0.55	0.7	0.44	\$10.00	\$2.00
HV205b		≥ 150 ton & < 300 ton	kW/ton	0.61	0.55	0.64	0.4	\$10.00	\$2.00
HV205c		≥ 300 ton & < 400 ton	kW/ton	0.56	0.52	0.6	0.39	\$10.00	\$2.00
HV205d		≥ 400 ton & < 600 ton	kW/ton	0.56	0.5	0.59	0.38	\$10.00	\$2.00
HV205e		≥ 600 ton	kW/ton	0.56	0.5	0.59	0.38	\$10.00	\$2.00

Equipment Type	Made and Model	Size (tons) (A)	FLV (B)	IPLV (C)	# of chillers (D)	Path	\$/Ton (F)	\$/0.01 Reduction (G)	Base Incentive	Incremental Incentive	Incentive
HV201a	Air Cooled Reciprocating Chiller	100	1.15	0.75	1	Path A	\$7.00	\$2.00	\$700.00	\$800.00	\$1,500.00
Total Incentive											

Total incentive per ton equals the qualifying base incentive per ton plus the maximum incentive per efficiency increase. The incentive per efficiency increase can be calculated as a maximum incentive between Path A or Path B.

For example: One 100-ton air-cooled chiller at 0.75 kW/ton IPLV and 1.15 kW/ton FLV:

Base incentive: (A x D x F) or 100 tons x 1 x \$7/ton = \$700



**Path A:** Full load incentive: (A x D x [(E - B)/0.01] x G) or (100 tons x 1 x [(1.19 - 1.15)/0.01] x \$2.00 = \$800

**Path B:** Part load incentive: (A x D x [(H - C)/0.01] x G) or (100 tons x 1 x [(0.76 - 0.75)/0.01] x \$2.00 = \$200


**Total incentive:** \$700 + Maximum (\$200, \$800) = \$900 or \$1,500

Subtotal HVAC Equipment Incentive - Page 2

## HVAC Equipment


Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.


### Industrial Fans (Pre-Notification Required)

ID	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
HV301	High-Volume, Low-Speed Fan (Consumers Energy Electric Customers)	\$400.00	Fan			<input type="checkbox"/>
HV302	Destratification Fan (Temperature Gradient Greater than 15°F) (Consumers Energy Natural Gas Customers)	\$0.20	Square Foot			<input type="checkbox"/>


### Heating

(Consumers Energy Natural Gas Customers, unless otherwise stated)


ID	Hydronic Boiler*	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV303	HVAC Boiler 88% to 89.9% Efficiency - Level 1	\$1.50	MBH				<input type="checkbox"/>
HV304	HVAC Boiler at least 90% Efficiency - Level 2	\$2.00	MBH				<input type="checkbox"/>


ID	Steam or Process Boilers*	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV305	Process Steam Boilers (at Least 82% Efficient)	\$1.25	MBH				<input type="checkbox"/>
HV306	HVAC Steam Boilers (at Least 82% Efficient) >300 MBH	\$2.00	MBH				<input type="checkbox"/>
HV307	Process Hydronic (Water) Boilers (at Least 82% Efficient)	\$1.20	MBH				<input type="checkbox"/>
HV308	High-Efficiency Pool Water Heater (at Least 84% Efficient)	\$2.00	MBH				<input type="checkbox"/>

\*Type of efficiency varies between AFUE, thermal or combustion based upon boiler size. Reference the program catalog for additional details.

ID	Unit Heater Type/AHU Type	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV309	High-Efficiency Unit Heater (at Least 92% Efficient)	\$3.99	MBH				<input type="checkbox"/>
HV310	High-Efficiency Unit Heater (at Least 95% Efficient)	\$7.91	MBH				<input type="checkbox"/>
HV311	Direct Fired Makeup Air Handling Units	\$1.50	MBH				<input type="checkbox"/>

ID	Condensing RTU	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV312	Condensing Rooftop Unit	\$25.00	MBH				<input type="checkbox"/>

ID	Infrared Heater Type (Pre-Notification Required)	Incentive	Input Unit	Quantity	Unit Size	Total Incentive	
HV313	Infrared Heaters (Consumers Energy Electric and Natural Gas Customers)	\$9.00	MBH				<input type="checkbox"/>
HV314	Infrared Heaters (Consumers Energy Natural Gas Customers)	\$5.00	MBH				<input type="checkbox"/>

ID	Furnaces	Incentive	Unit	Quantity	Unit Size (MBH)	Total Incentive	
HV315	High Efficiency Furnace ≤ 120 MBH, 92% AFUE	\$300.00	Furnace				<input type="checkbox"/>
HV316	High Efficiency Furnace > 120 MBH, 92% AFUE	\$350.00	Furnace				<input type="checkbox"/>
HV317	High Efficiency Furnace ≤ 120 MBH, 95% AFUE	\$325.00	Furnace				<input type="checkbox"/>
HV318	High Efficiency Furnace > 120 MBH, 95% AFUE	\$400.00	Furnace				<input type="checkbox"/>








Subtotal HVAC Equipment Incentive - Page 3

## HVAC Equipment

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### Heating

(Consumers Energy Natural Gas Customers, unless otherwise stated)

ID	Domestic Water Heating		Incentive	Input Unit	Unit Size (MBH)	Quantity	Total Incentive	
HV401	High-Efficiency Domestic Water Heating Boilers (at least 94% Thermal Efficiency)		\$1.50	MBH				<input type="checkbox"/>
HV402a	High-Efficiency Tank-Style Domestic Water Heater < 55 Gallons	$\leq 75$ MBH, $\geq 0.64$ UEF	\$60.00	Heater				<input type="checkbox"/>
HV402b		$\leq 75$ MBH, $\geq 0.68$ UEF	\$150.00	Heater				<input type="checkbox"/>
HV402c	High-Efficiency Tank-Style Domestic Water Heater $\geq 55$ Gallons, $\leq 75$ MBH, $\geq 0.80$ UEF		\$50.00	Heater				<input type="checkbox"/>
HV403	High-Efficiency Tank-Style Domestic Water Heater $\leq 140$ Gallon, $> 75$ MBH, 94% Thermal Efficiency		\$275.00	Heater				<input type="checkbox"/>
HV404a	Tankless Water Heater	Natural Gas, $\geq 0.87$ UEF	\$150.00	Heater				<input type="checkbox"/>
HV404b		Electric, $\geq 0.95$ UEF (Consumers Energy Electric Customers)	\$50.00	Heater				<input type="checkbox"/>

Subtotal HVAC Equipment Incentive - Page 4

Total HVAC Equipment Incentive







## Centralized Building Automation System (BAS) (Pre-Notification Required)

ID	Measure		Incentive	Unit	# of Units	Total Incentive
BA101a	Web-Based Building Automation Systems (BAS) (Temperature Setback in Non-occupied Periods)	Air Conditioning (Consumers Energy Electric Customers)	\$0.15	Square Foot		
BA101b		BAS Non-A/C Schools (Consumers Energy Electric Customers)	\$0.15	Square Foot		
Building Automation System Total Incentive						
Building Automation System Awarded Incentive (Maximum Cannot Exceed \$75,000)						
BA102	Light Commercial Building Automation Systems (BAS) (Temperature Setback in Non-occupied Periods)	Air Conditioning (Consumers Energy Electric Customers)	\$0.15	Square Foot		
Building Automation System Total Incentive						
Building Automation System Awarded Incentive (Maximum Cannot Exceed \$35,000)						
BA103a	Optimal Start on Air Handling Units	Air Conditioning and Natural Gas Heat (Consumers Energy Electric & Natural Gas Customers)	\$0.30	Square Foot		
BA103b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.05	Square Foot		
BA103c		Air Conditioning (Consumers Energy Electric Customers)	\$0.07	Square Foot		
Optimal Start Total Incentive						
Optimal Start Awarded Incentive (Maximum Cannot Exceed \$50,000)						
ID	Measure (Pre-Notification Required)		Incentive	Unit	# of Units	Total Incentive
BA104	BAS for Manufacturing HVAC Fans (Consumers Energy Electric Customers)		\$150.00	HP		
BA105	Parking Garage Exhaust Fan Carbon Monoxide (CO) Control (Consumers Energy Electric Customers)		\$300.00	HP		
BA106	Hydronic HVAC Pump Control (Consumers Energy Electric Customers)		\$80.00	HP		
BA107	Critical Zone Supply Air Reset Control (Consumers Energy Electric Customers)		\$25.00	Ton		
BA108	Air-Side Economizer (Consumers Energy Electric Customers)		\$15.00	Ton		
BA109a	Chilled Water Reset Retrofit (5-degree reset) (Consumers Energy Electric Customers)		\$15.00	Ton		
BA109b	Chilled Water Reset Retrofit (10-degree reset) (Consumers Energy Electric Customers)		\$30.00	Ton		
BA110	Optimized Chiller Plant Sequencing		\$4.00	Ton		

## Advanced Rooftop HVAC Controls (Pre-Notification Required)

ID	Measure		Incentive	Unit	Quantity	Total Incentive
BA111a	Enhanced Ventilation Control	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$330.00	Ton		
BA111b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$170.00	Ton		
BA111c		Air Conditioning (Consumers Energy Electric Customers)	\$80.00	Ton		

## Unitary Control (Pre-Notification Required)

ID	Measures		Area (FT <sup>2</sup> )	Incentive	Unit	# of Units	Total Incentive	
BA201a	Hotel Guest Room	Natural Gas Heat (Consumers Energy Natural Gas Customers)		\$80.00	Room Controlled			<input type="checkbox"/>
BA201b	Occupancy Sensor	Electric Heat (Consumers Energy Electric Customers)		\$80.00	Room Controlled			<input type="checkbox"/>
BA202a	Programmable Thermostat	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)		\$48.00	Thermostat			<input type="checkbox"/>
BA202b		Natural Gas Heat (Consumers Energy Natural Gas Customers)		\$40.00	Thermostat			<input type="checkbox"/>
BA202c		Air Conditioning (Consumers Energy Electric Customers)		\$8.00	Thermostat			<input type="checkbox"/>
BA203a	Occupancy Sensor Control for Smart Thermostats	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)		\$0.04	Square Foot			<input type="checkbox"/>
BA203b		Natural Gas Heat (Consumers Energy Natural Gas customers)		\$0.02	Square Foot			<input type="checkbox"/>
BA203c		Air Conditioning (Consumers Energy Electric Customers)		\$0.02	Square Foot			<input type="checkbox"/>


## Ventilation Controls (Pre-Notification Required)

ID	Measures		Incentive	Unit	# of Units	Total Incentive	
BA204a	Demand Control Ventilation	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$0.50	Square Foot			<input type="checkbox"/>
BA204b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.25	Square Foot			<input type="checkbox"/>
BA204c		Air Conditioning (Consumers Energy Electric Customers)	\$0.03	Square Foot			<input type="checkbox"/>
BA205a	Occupancy Sensor Control for HVAC BAS Systems	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$0.08	Square Foot			<input type="checkbox"/>
BA205b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.04	Square Foot			<input type="checkbox"/>
BA205c		Air Conditioning (Consumers Energy Electric Customers)	\$0.04	Square Foot			<input type="checkbox"/>
BA206a	Demand Control Ventilation and Occupancy Sensors for HVAC	Air Conditioning and Natural Gas Heat (Consumers Energy Electric and Natural Gas Customers)	\$0.40	Square Foot			<input type="checkbox"/>
BA206b		Natural Gas Heat (Consumers Energy Natural Gas Customers)	\$0.15	Square Foot			<input type="checkbox"/>
BA206c		Air Conditioning (Consumers Energy Electric Customers)	\$0.04	Square Foot			<input type="checkbox"/>
BA207	Occupancy Sensor Controlled Restroom Exhaust Fan (Electric Only)		\$10.00	Fan			

Subtotal Building Automation Controls Incentive - Page 2

## Boiler Controls (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure		Incentive	Input Unit	# of Units	Total Incentive	
BA301a	Optimized Boiler Plant Sequencing	HVAC	\$0.40	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		\$0.50	Square Foot			<input type="checkbox"/>
BA308	Enhanced Snow Melt Controls		\$0.60	Square Foot			<input type="checkbox"/>

\* Not eligible on new condensing boilers

## Makeup Air Handling Unit Burner Controls (Pre-Notification Required)



(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Input Unit	# of Units	Total Incentive
BA309a	Modulating Burner on Makeup Air Handling Unit (Continuous Operation)	\$5.00	MBH		
BA309b	Modulating Burner on Makeup Air Handling Unit (> 100 hrs./week Operation)	\$5.00	MBH		
BA309c	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


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### 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	\$1.25	Square Foot			<input type="checkbox"/>
AE101b		Electric	\$0.60	Square Foot			<input type="checkbox"/>
AE101c		Natural Gas	\$0.25	Square Foot			<input type="checkbox"/>



### Energy Recovery (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Unit Size	Total Incentive	
AE102	Enthalpy Wheel Energy Recovery Unit	\$0.40	CFM				<input type="checkbox"/>
AE103	Fixed-Plate Air-to-Air Energy Recovery Unit	\$0.35	CFM				<input type="checkbox"/>
AE104	Dust Collector Air Exhaust Recovery Unit	\$1.50	CFM				

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

(Consumers Energy Natural Gas Customers)

ID	Measure	Stack Temp Decrease	Incentive	Input Unit	# of Units	Unit Size	Total Incentive	
AE105a	HVAC Boiler Stack Economizer	80 Degrees	\$0.50	MBH				<input type="checkbox"/>
AE105b		200 Degrees	\$1.00	MBH				<input type="checkbox"/>
AE106a	Process Boiler Stack Economizer	80 Degrees	\$1.50	MBH				<input type="checkbox"/>
AE106b		200 Degrees	\$3.00	MBH				<input type="checkbox"/>
AE107	Steam Boiler Makeup Water Pre-Heat		\$10.00	MMBtu/yr.				<input type="checkbox"/>
AE108	Automatic Boiler Blowdown Reduction		\$0.02	Gal./yr. Reduced				<input type="checkbox"/>



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

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Unit Size	Total Incentive
AE109	Refrigeration Waste Heat Recovery Decreasing Domestic Water Heating	\$200.00	Ton			
AE110	Refrigeration Waste Heat Recovery Decreasing HVAC Heating Load	\$125.00	Ton			

Subtotal Advanced Air Distribution and Energy Recovery Incentive - Page 1

## Advanced Air Distribution and Energy Recovery

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

(Consumers Energy Electric Customers)

ID	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AE201	Computer Room Air Conditioning Glycol Economizer	\$60.00	MBH		
AE202	Air-Side Economizer for CRAC or Telecom Applications	\$60.00	MBH		
AE203	Air-Side, Air to Air Heat Exchange Economizer for CRAC or Telecom Application	\$30.00	MBH		

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

(Consumers Energy Electric Customers)

ID	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AE204	Water-Cooled Chiller	\$60.00	Ton		
AE205	Air-Cooled Chiller	\$150.00	Ton		

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

ID	Measure	Customer Type	Incentive	Unit	# of Units	Total Incentive
AE206	Water-Cooled Condenser Electric DWH HVAC or Process Applications	Consumers Energy Electric Customer	\$400.00	Ton		
AE207	Air-Cooled Condenser Electric DWH HVAC or Process Applications	Consumers Energy Electric Customer	\$500.00	Ton		
AE208	Water-Cooled Condenser Natural Gas DWH HVAC or Process Applications	Consumers Energy Natural Gas Customer	\$150.00	Ton		
AE209	Air-Cooled Condenser Natural Gas DWH HVAC or Process Applications	Consumers Energy Natural Gas Customer	\$200.00	Ton		



### Operating Room Air Exchange Rate Setback (Pre-Notification Required)

ID	Measure	Customer Type	Incentive	Unit	# of Units	Total Incentive
AE210a	Operating Room with at least 20% Outside Air	Consumers Energy Natural Gas and Electric Customer	\$2.00	Square Foot		
AE210b		Consumers Energy Natural Gas Customer	\$1.00	Square Foot		
AE210c		Consumers Energy Electric Customer	\$1.00	Square Foot		
AE211a	Operating Room with 100% Outside Air	Consumers Energy Natural Gas and Electric Customer	\$3.00	Square Foot		
AE211b		Consumers Energy Natural Gas Customer	\$1.50	Square Foot		
AE211c		Consumers Energy Electric Customer	\$1.50	Square Foot		


Subtotal Advanced Air Distribution and Energy Recovery Incentive - Page 2

Total Advanced Air Distribution and Energy Recovery

## Laboratory

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### Laboratory (Pre-Notification Required)

ID	Measure	Customer Type	Incentive	Unit	# of Units	Total Incentive	
LB101a	Automatic Sash Closer	Consumers Energy Electric and Natural Gas Customers	\$100.00	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	\$75.00	Linear Foot of Sash			<input type="checkbox"/>
LB102a	Reduced/Optimized Air Changes per Hour (ACH) Rate	Consumers Energy Electric and 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			
LB103	Fume Hood Sash Stops	Consumers Energy Electric Customers	\$35.00	Linear Foot of Sash			<input type="checkbox"/>
LB104a	Fume-Hood Ventilation Reduction (Based On Sash Location)	Consumers Energy Electric and 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 and 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 and 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**

## 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	Pool and Spa Boiler Tune-Up	Level 10	300 to 499 MBH	\$100.00	Boiler
TU104b		Level 11	500 to 1,199 MBH	\$200.00	Boiler
TU104c		Level 12	At Least 1,200 MBH	\$250.00	Boiler
TU105a	Domestic Water Heater Tune-Up	Level 13	199 to 499 MBH	\$100.00	Boiler
TU105b		Level 14	500 to 1,199 MBH	\$250.00	Boiler
TU105c		Level 15	At Least 1,200 MBH	\$350.00	Boiler

Equipment Type/Level (See Above)	Serial # or National Board #	# 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
TU106a	Natural Gas Furnace or RTU Tune-up	40 to 299 MBH	\$100.00	Furnace
TU106b		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)

## Tune-up/Maintenance

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### Chiller Tune-up

(Consumers Energy Electric Customers)

ID	Measure	Size Category (B)	Incentive (C)	Unit
TU201a	Air and Water-Cooled Chiller Tune-up	20 to 149 Tons	\$500.00	Chiller
TU201b	Air and Water-Cooled Chiller Tune-up	150 Tons to 999	\$1,250.00	Chiller
TU201c	Air and Water-Cooled Chiller Tune-up	1000 Tons or Greater	\$7,500.00	Chiller

Equipment Type/Level (See Above)	Serial #	# Of Chillers (A)	Chiller Size (Tonnage) (B)	Incentive (C)	Total Incentive (A x C)

### Steam Trap Monitoring

(Consumers Energy Natural Gas Customers)

You can also refer to the Steam Trap Express Program at [ConsumersEnergy.com/SteamTrapExpress](https://ConsumersEnergy.com/SteamTrapExpress)

ID	Equipment Type/Level	Incentive	Unit	# of Units	Total Incentive
TU202	Steam Trap Monitoring System - Space Heat	\$60.00	Trap		
TU203	Steam Trap Monitoring System - Process	\$80.00	Trap		



### Outdoor Air Damper Repair (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit
TU204a	New Outdoor Air Damper Assembly	\$0.03	CFM Total Supply
TU204b	Repair Outdoor Air Damper (IE: Change Damper Seals)	\$0.01	CFM Total Supply

Measure	Size of Damper (IE 36" x 36")	# Of Dampers	Total Supply Flow Through All (CFM) (A)	Incentive (B)	Total Incentive (A x B)

### Steam Trap Replacement (Failed-Open)

(Consumers Energy Natural Gas Customers)

You can also refer to the Steam Trap Express Program at [ConsumersEnergy.com/SteamTrapExpress](https://ConsumersEnergy.com/SteamTrapExpress)

ID	Equipment Type/Level	Incentive	Unit	# of Units	Total Incentive
TU205	Steam Trap	\$150.00	Trap		
TU206	Steam Trap for Laundromat	\$300.00	Trap		



Subtotal Tune-up/Maintenance Incentive - Page 2

Total Tune-up/Maintenance Incentive

## Refrigeration, Laundry & Kitchen

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Refrigeration (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# Of Tons Machine	# of Machines	Total Incentive
RL101	Discus Refrigeration Compressors	\$20.00	Ton			
RL102	Scroll Refrigeration Compressors	\$40.00	Ton			
RL103a	Floating Head Pressure Control	Grocery Store	\$150.00	Ton		
RL103b		Industrial Process Cooling and Refrigerated Warehouse	\$125.00	Ton		
RL104	Refrigeration Air Side Economizer	\$30.00	Ton			

### Refrigeration Lighting (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Units	# of Units	Total Incentive
RL105	Refrigeration Light Reduction* (Pre-Notification Required)	-20°F to 0°F	\$0.20	Watt Reduced	
RL106		0°F to 20°F	\$0.13	Watt Reduced	
RL107		20°F to 40°F	\$0.08	Watt Reduced	

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

### Refrigeration Controls (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
RL108	Anti-Sweat Heater Controls	\$75.00	Door		
RL109	Cooler or Freezer Defrost Control	\$20.00	Ton		
RL110a	Evaporator Fan Motor Control	Electronically Commutated Motor	\$35.00	Controller	
RL110b		Permanent Split Capacitor Motor	\$120.00	Controller	
RL110c		Shaded Pole Motor	\$130.00	Controller	
RL111	Evaporator Fan Controls with Demand Defrost	Walk-in Cooler	\$5.50	Ton	
RL112		Walk-in Freezer	\$45.00	Ton	

### Refrigeration Motors (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
RL113	Refrigeration Case Electronically Commutated Motor (ECM)	\$90.00	Motor		
RL114	Walk-in Cooler Electronically Commutated Motor (ECM)	\$150.00	Motor		
RL115	Walk-in Cooler Evaporator Motor Reduction	\$250.00	Motor Removed		



### Refrigeration Lighting

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
RL116	LED Lighting for Refrigeration Cases (Pre-Notification Required)	\$10.00	Linear Foot of Lamp		
RL117	Occupancy Sensors for LED Refrigerator Lighting	\$20.00	Door		


Subtotal Refrigeration, Laundry & Kitchen - Page 1

## Refrigeration, Laundry & Kitchen

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.


### Permanent Magnet Motors

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL201	Medium Temp. Case, Replacing Shaded Pole Motor	\$45.00	Motor			<input type="checkbox"/>
RL202	Low Temp. Case, Replacing Shaded Pole Motor	\$55.00	Motor			<input type="checkbox"/>
RL203	Medium Temp. Walk-in, Replacing Shaded Pole Motor	\$110.00	Motor			<input type="checkbox"/>
RL204	Low Temp. Walk-in, Replacing Shaded Pole Motor	\$130.00	Motor			<input type="checkbox"/>
RL205	Medium Temp. Walk-in, Replacing Permanent Split Capacitor	\$35.00	Motor			<input type="checkbox"/>
RL206	Low Temp. Walk-in, Replacing Permanent Split Capacitor	\$45.00	Motor			<input type="checkbox"/>


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

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL207a	No Heat Reach-In Case Doors	Without Anti-Sweat Heater Control	Door			<input type="checkbox"/>
RL207b		With Anti-Sweat Heater Control	Door			
RL208a	Medium Temperature (33°F to 50°F)	Consumers Energy Electric and Natural Gas Customers	Linear Foot			<input type="checkbox"/>
RL208b		Consumers Energy Electric Customers	Linear Foot			<input type="checkbox"/>
RL208c		Consumers Energy Natural Gas Customers	Linear Foot			<input type="checkbox"/>
RL209a	Low Temperature (0°F to 32°F)	Consumers Energy Electric and Natural Gas Customers	Linear Foot			<input type="checkbox"/>
RL209b		Consumers Energy Electric Customers	Linear Foot			<input type="checkbox"/>
RL209c		Consumers Energy Natural Gas Customers	Linear Foot			<input type="checkbox"/>

### Refrigeration Insulation & Envelope (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL210	Night Covers	\$20.00	Linear Foot			<input type="checkbox"/>
RL211	Strip Curtains Cooler (40°F)	\$8.00	Square Foot			
RL212	Strip Curtains Freezer (0°F)	\$25.00	Square Foot			
RL213	Door Gasket Seals	\$5.00	Linear Foot			<input type="checkbox"/>
RL214a	Automatic High Speed Doors	Between Freezer to Cooler	Square Foot			
RL214b		Between Freezer to Dock	Square Foot			
RL214c		Between Cooler to Dock	Square Foot			

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

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
RL215	Integrated Variable Speed Motor (i.e. ECM) for Exterior Condenser Fans	\$30.00	HP		

Subtotal Refrigeration, Laundry & Kitchen - Page 2

## Refrigeration, Laundry & Kitchen


Check the **Buy Michigan Box**  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Laundry (Pre-Notification Required)

(Consumers Energy Natural Gas Customers)


ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL301	Laundry Ozone Generation System (Consumers Energy Natural Gas Customers)	\$40.00	Pounds			<input type="checkbox"/>

### Clothes Washers (ENERGY STAR®)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL302	Clothes Washer, Natural Gas Water Heater	Consumers Energy Natural Gas Customers	\$20.00	Washer		<input type="checkbox"/>
RL303	Clothes Washer, Electric Water Heater	Consumers Energy Electric Customers	\$70.00	Washer		<input type="checkbox"/>

### Commercial Kitchen Ventilation Control

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL304	Commercial Kitchen Ventilation Control	\$0.50	CFM			<input type="checkbox"/>
RL305	Engineered Commercial Kitchen Ventilation Hood	\$1.00	CFM			<input type="checkbox"/>
RL306	Demand Control Ventilation (Dining Room Only)	\$0.10	SQ FT			<input type="checkbox"/>

### Dishwashers (ENERGY STAR®)

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
RL307	Commercial Dishwasher	\$250.00	Unit			<input type="checkbox"/>
RL308	Under Counter Dishwasher	\$50.00	Unit			<input type="checkbox"/>

Subtotal Refrigeration, Laundry & Kitchen - Page 3

Total Refrigeration, Laundry & Kitchen Incentive


## Building Envelope and Insulation

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.

### Building Insulation (Pre-Notification Required)

(Consumers Energy Natural Gas Customers and Natural Gas Heat Applications)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
BE101	Wall Insulation	\$0.60	Square Foot			<input type="checkbox"/>

ID	Flat Roof Measure		Incentive	Unit	# of Units	Total Incentive	
BE102a	Flat Roof Insulation	R 10 to R 18	\$0.16	Square Foot			<input type="checkbox"/>
BE102b		R 12 to R 18	\$0.12	Square Foot			<input type="checkbox"/>
BE102c		R 14 to R 18	\$0.08	Square Foot			<input type="checkbox"/>
BE102d		R 16 to R 18	\$0.02	Square Foot			<input type="checkbox"/>
BE102e		R 18 to R 20	\$0.02	Square Foot			<input type="checkbox"/>
BE102f		R 20 to R 22	\$0.02	Square Foot			<input type="checkbox"/>
BE102g		R 22 to R 24	\$0.02	Square Foot			<input type="checkbox"/>
Flat Roof Insulation Total Incentive							
Flat Roof Insulation Awarded Incentive (Maximum Cannot Exceed \$100,000)							

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
BE103	Attic Roof Insulation	\$0.30	Square Foot			<input type="checkbox"/>

### 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			<input type="checkbox"/>
BE105	Window Film (Consumers Energy Electric Customer Only)	\$0.40	Square Foot			<input type="checkbox"/>
BE106	Window Awnings (Consumers Energy Electric Customer Only)	\$0.25	Square Foot			<input type="checkbox"/>
BE107	High Performance Glazing in Windows (Consumers Energy Electric Customer Only)	\$0.25	Square Foot			<input type="checkbox"/>
BE108	Cool (White) Roof (Consumers Energy Electric Customer Only)	\$0.02	Square Foot			<input type="checkbox"/>


### Automatic High Speed Doors

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# Of Units	Total Incentive	
BE109	Automatic High Speed Doors for Building Exterior	\$0.50	Square Foot			<input type="checkbox"/>



### Pool Covers

(Consumers Energy Natural Gas Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
BE110a	Automatic Pool Covers	400 - 2,400 sq. ft.	\$1,400.00	Cover		<input type="checkbox"/>
BE110b		2,401 - 4,600 sq. ft.	\$3,600.00	Cover		<input type="checkbox"/>
BE110c		4,601 - 6,800 sq. ft.	\$5,800.00	Cover		<input type="checkbox"/>
BE110d		6,801 - 9,000 sq. ft.	\$8,000.00	Cover		<input type="checkbox"/>
BE110e		9,001 - 10,000 sq. ft.	\$9,600.00	Cover		<input type="checkbox"/>
BE111a	Manual Pool Covers	400 - 2,400 sq. ft.	\$700.00	Cover		<input type="checkbox"/>
BE111b		2,401 - 4,600 sq. ft.	\$1,800.00	Cover		<input type="checkbox"/>
BE111c		4,601 - 6,800 sq. ft.	\$2,900.00	Cover		<input type="checkbox"/>
BE111d		6,801 - 9,000 sq. ft.	\$4,000.00	Cover		<input type="checkbox"/>
BE111e		9,001 - 10,000 sq. ft.	\$4,800.00	Cover		<input type="checkbox"/>


### Total Building Envelope and Insulation Incentive

## Pipe and Ductwork Insulation

Check the [Buy Michigan Box](#)  only if the incentivized piece of equipment meets the Buy Michigan bonus specifications and we can verify the manufacturer affidavit.  qualifies New Construction.


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

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

ID	Measure		Incentive	Unit	# of Units	Total Incentive	
IN101	Steam Space Heating (HVAC)		\$6.00	Linear Foot			<input type="checkbox"/>
IN102	Steam Condensate Space Heating (HVAC)		\$3.00	Linear Foot			<input type="checkbox"/>
IN103	Hydronic Space Heating (HVAC)		\$4.00	Linear Foot			<input type="checkbox"/>
IN104a	Domestic Hot Water	Unconditioned Space	\$2.00	Linear Foot			<input type="checkbox"/>
IN104b		Conditioned Space	\$1.00	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 and 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	Unconditioned Space (Consumers Energy Natural Gas Customers)	\$3.00	Linear Foot			<input type="checkbox"/>
IN106b	Condensate Insulation	Conditioned Space (Not A/C and Consumers Energy Natural Gas Customers)	\$1.00	Linear Foot			<input type="checkbox"/>


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


(Consumers Energy Natural Gas Customers)

ID	Measure		Incentive	Unit	# of Units	Total Incentive	
IN107	Domestic Hot Water	Unconditioned Space	\$2.00	Linear Foot			<input type="checkbox"/>
IN108	Hydronic Space Heating	Unconditioned Space	\$3.00	Linear Foot			<input type="checkbox"/>
IN109	Domestic Hot Water	Conditioned Space	\$1.00	Linear Foot			<input type="checkbox"/>

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


(Consumers Energy Electric Customers)

ID	Electric Heat		Incentive	Unit	# of Units	Total Incentive	
IN110a	Domestic Hot Water	Unconditioned Space	\$1.00	Linear Foot			<input type="checkbox"/>
IN110b		Conditioned Space	\$0.50	Linear Foot			<input type="checkbox"/>

ID	DX Suction Refrigerant Piping Insulation Location	Space Type	Incentive	Unit	# of Units	Total Incentive	
IN111	Data Center	Conditioned Space	\$0.20	Linear Foot			<input type="checkbox"/>
IN112a	Mid Temperature Refrigeration	Conditioned Space	\$0.75	Linear Foot			<input type="checkbox"/>
IN112b		Non-Conditioned Space	\$0.50	Linear Foot			<input type="checkbox"/>
IN113	Low Temperature Refrigeration	Either Conditioned Space or Non-Conditioned Space	\$3.00	Linear Foot			<input type="checkbox"/>

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

(Consumers Energy Natural Gas Customers)

ID	Ductwork	Location	Air Distribution Type	Incentive	Unit	# of Units	Total Incentive	
IN114	Ductwork Insulation	Non-Conditioned Space i.e., crawl space	Supply Air	\$2.00	Square Foot			<input type="checkbox"/>
IN115			Return Air	\$3.00	Square Foot			<input type="checkbox"/>
IN116		Exterior Space	Supply Air	\$3.00	Square Foot			<input type="checkbox"/>
IN117			Return Air	\$3.00	Square Foot			<input type="checkbox"/>

**Total Pipe and Ductwork Insulation Incentive**

## Agriculture

(Both Commercial and Residential Agricultural customers qualify for these measures)

ID	Farm Energy Audit	Incentive	Unit	# of Units	Total Incentive
AG101	Farm Energy Audit as Defined By USDA (Tier 2)	\$1,500.00	Farm		

ID	Grain (Pre-Notification Required) (Consumers Energy Natural Gas Customers)	Incentive	Unit	# of Units	Total Incentive
AG102	New Grain Dryers	\$0.04	Bushels/yr.		
AG103	Retrofit Grain Dryers	\$0.03	Bushels/yr.		
AG104	Temperature / Moisture Management Controller (Consumers Energy Electric Customers)	\$50.00	HP		


ID	Greenhouse (Pre-Notification Required) (Consumers Energy Natural Gas Customers)	Incentive	Unit	# of Units	Total Incentive
AG105	Greenhouse Heat Curtains	\$0.25	Square Foot		
AG106	Greenhouse Infrared Film Replacing a Single Layer with Double Layer	\$0.50	Square Foot		
AG107	Greenhouse Infrared Film Replacing a Double Layer with Double Layer	\$0.15	Square Foot		
AG108	Greenhouse Environmental Controls	\$0.30	Square Foot		
AG109	Greenhouse In-Floor Heating System (Without Heat Curtains)	\$0.50	Square Foot		
AG110	Greenhouse In-Floor Heating System (With Heat Curtains)	\$0.25	Square Foot		

ID	Ventilation (Pre-Notification Required) (Consumers Energy Electric Customers)	Incentive	Unit	# of Units	Total Incentive
AG111a	Circulation, Exhaust or Ventilation Fans	24 Inch to 35 Inch Fan Blade Diameter	\$30.00	Fan	
AG111b		36 Inch to 47 Inch Fan Blade Diameter	\$50.00	Fan	
AG111c		48 Inch to 72 Inch Fan Blade Diameter	\$100.00	Fan	
AG112a	High-Volume, Low-Speed Fans	16-Foot Fan Blade Diameter	\$250.00	Fan	
AG112b		18-Foot Fan Blade Diameter	\$400.00	Fan	
AG112c		20-Foot Fan Blade Diameter	\$500.00	Fan	
AG112d		22-Foot Fan Blade Diameter	\$700.00	Fan	
AG112e		24-Foot Fan Blade Diameter	\$800.00	Fan	
AG113	Fan Thermostat Controller	\$190.00	HP		

ID	Irrigation (Pre-Notification Required) (Consumers Energy Electric Customers)	Incentive	Unit	# of Units	Total Incentive
AG114	VSD on Agricultural Irrigation Systems	\$40.00	HP		
AG115	VSD on Golf Course Irrigation Systems	\$40.00	HP		
AG116	Sprinkler to Drip Irrigation	\$50.00	Acre		
AG117	Low-Pressure Sprinkler Nozzle	\$0.50	Nozzle		
AG118	Low-Energy Livestock Waterer	\$125.00	Unit		


## Agriculture (continued)


(Both Commercial and Residential Agricultural Customers Qualify for these measures)

ID	Dairy (Pre-Notification Required) (Consumers Energy Electric Customers)	Incentive	Unit	# of Units	Total Incentive	
AG201	Scroll Compressor for Dairy Refrigeration with Heat Exchanger, EER 10.5 to 11.49	\$0.08	Lb. Milk/Day			<input type="checkbox"/>
AG202	Scroll Compressor for Dairy Refrigeration without Heat Exchanger, EER 10.5 to 11.49	\$0.04	Lb. Milk/Day			<input type="checkbox"/>
AG203	Scroll Compressor for Dairy Refrigeration with Heat Exchanger, EER ≥ 11.5	\$0.08	Lb. Milk/Day			<input type="checkbox"/>
AG204	Scroll Compressor for Dairy Refrigeration without Heat Exchanger, EER ≥ 11.5	\$0.04	Lb. Milk/Day			<input type="checkbox"/>
AG205	Variable Speed Controller for Vacuum Pump	\$100.00	HP			<input type="checkbox"/>
AG206	Variable Speed Drive on Milk Pump with Existing Milk Pre-Cooler	\$0.10	Lb. Milk/Day			<input type="checkbox"/>
AG207	Variable Speed Drive on Milk Pump with New Milk Pre-Cooler	\$0.14	Lb. Milk/Day			<input type="checkbox"/>
AG208	Milk Pre-Cooler (Heat Exchanger, Chiller Savings)	\$0.20	Lb. Milk/Day			<input type="checkbox"/>
AG209a	Water Pre-Heat Heat Exchanger (Heat Recovery Tank)	Electric Water Heater Reduction	\$0.30	Lb. Milk/Day		<input type="checkbox"/>
AG209b		Natural Gas Water Heater Reduction (Consumers Energy Natural Gas Customers)	\$0.06	Lb. Milk/Day		<input type="checkbox"/>
AG210	Dairy Refrigeration Tune-Up (Pre-Notification NOT required)	\$0.04	Lb. Milk/Day			<input type="checkbox"/>

## Agriculture Lighting Systems Retrofit (Pre-Notification Required)


(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
AG211a	LED Grow Lights < 6,570 Annual Hours (Retrofit only)	\$0.70	Watt Reduced			<input type="checkbox"/>
AG211b	LED Grow Lights ≥ 6,570 Annual Hours (Retrofit only)	\$1.00	Watt Reduced			<input type="checkbox"/>
AG211c	LED Grow Lights < 6,570 Annual Hours (New construction only)	\$0.70	Watt Installed			<input type="checkbox"/>
AG211d	LED Grow Lights ≥ 6,570 Annual Hours (New construction only)	\$1.00	Watt Installed			<input type="checkbox"/>
AG212	Dairy Long Day Lighting (Interior LED Lighting)	\$0.70	Watt Reduced			<input type="checkbox"/>
AG213	Poultry LED Lighting Systems	\$0.70	Watt Reduced			<input type="checkbox"/>

Select Appropriate Measure	Pre			Post			Total Watts Reduced (E)=(AxB)-(CxD)	Incentive/ Watt Reduced (F)	Total Incentive (ExF)	
	# of Fixtures (A)	# of Lamps/ Fixture	Watts Per Fixture (B)	# of Fixtures (C)	# of Lamps/ Fixture	Watts Per Fixture (D)				
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
										<input type="checkbox"/>
Total Incentive										

## Indoor Agriculture

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive	
AG214	Indoor Agriculture Dehumidification Units (> 155 pints/day capacity)	\$3.50	Pint/Day			<input type="checkbox"/>
AG215	HVAC Reduction in Indoor Agriculture Grow Rooms	\$0.15	Watt Reduced			<input type="checkbox"/>

Subtotal Agricultural Incentive - Page 2

## Agricultural Integrated Variable Speed Motor (ECM) (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	Quantity	# of Units	Total Incentive
AG301	EC Fan Motor For Cold Storage Evaporator	\$100.00	HP			

## Swine Heating (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit	# of Units	Total Incentive
AG302	Mats for Swine Farrowing Crates - Single Mats	\$50.00	Heating Mat		
AG303	Mats for Swine Farrowing Crates - Double Mats	\$100.00	Heating Mat		

## Agricultural Miscellaneous VFDs (Pre-Notification Required)

(Consumers Energy Electric Customers)

ID	Measure	Incentive	Unit
AG304	VFD on Agricultural Fans (Operating Between 750-hrs./yr. to 2,000-hrs./yr.)	\$60.00	HP
AG305	VFD on Agricultural Fans (Operating More Than 2,000-hrs./yr.)	\$80.00	HP
AG306	VFD on Agricultural Pumps (Operating Between 750-hrs./yr. to 2,000-hrs./yr.)	\$40.00	HP
AG307	VFD on Agricultural Pumps (Operating More Than 2,000-hrs./yr.)	\$50.00	HP

Agriculture VFD Application (See Above)	Installation Type (i)	Control Before VFD (ii)	Control Variable (iii)	Incentive Rate (See above) (A)	Controlled Motor Size (HP) (B)	Quantity (C)	Incentive (A x B x C)


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### VFD Installation Type (I)

Code	Description	Code	Description
SFA	HVAC Supply Air Fan	CDWP	Condenser Water Pump
RFA	HVAC Return Air Fan	CW	Chilled Water Pump
BEF	Building Exhaust Fan	WSP	Domestic Water Pump
MAF	Make-up Air Fan	FWP	Boiler Feed Water Pump
CTF	Cooling Tower Fan	HW	Hydronic HVAC Pump
BDF	HVAC Boiler Draft Fan	PP	Pool Pump
FM	Other Fan (Specify):	PM	Other Pump (Specify):

### Control Before VFD (II)

Code	Description
DD	Discharge Damper
IGV	Inlet Guide Vanes
OCV	Outlet Control/Throttle Valve
BV	Bypass
ONF	ON/OFF
MISC	Other (Specify):

### Control Variable (III)

Code	Description
Temp	Temperature
P	Pressure
Flow	Volume Flow Rate
Misc	Variable Input

Subtotal Agricultural Incentive - Page 3

Total Agricultural Incentive

## General Design and Anticipated Construction Schedule

(LEEDv4 BD+C, Building Design and Construction)

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***			

\*\*\*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)	Natural Gas Incentive Rate (\$/Mcf) (D)	Natural Gas Savings (Mcf) (from above) (E)	Natural Gas Incentive (D x E = F)	Total Incentive (C + F)
WB101	Certified/Silver	\$0.10			\$8.00			
WB102	Gold	\$0.12			\$9.00			
WB103	Platinum	\$0.14			\$10.00			

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

	DOE2, eQUEST and 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 (BEPV)	System Summary - showing the unmet load	Unmet load reports for all plants and systems	Energy Use 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 Use
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.
- EAp2 Section 1.4 Table.xls from all supporting documentation submitted with the LEED template.
- By applying for Consumers Energy LEED whole Building Incentive program you are authorizing Consumers Energy staff to contact USGBC/GBCI to request the final approved LEED report and EAp2 Section 1.4 Table.xls. To streamline this process, you have the option to provide the project LEED online access credentials to Consumers Energy staff to view the final approved reports.

## Total LEED Whole Building Incentive

You know your business best. We'd like to work with you to find creative, custom and effective ways to upgrade the energy efficiency of your operations. We'll support your efforts with rebates based on the amount of energy you save over your base annual energy use.

Eligible natural gas customers will receive \$12 per Mcf of natural gas saved, up to \$500,000 each year with an additional 50% of calculated rebates above \$500,000. Consumers Energy electric customers will receive \$0.10 per kWh of electrical energy saved per year, up to \$2 million across all facilities per customer. All custom incentives are capped at 50% of the total project cost. "The Business Energy Efficiency Program is one of several programs designed to help you save energy and money while protecting the plant. Together, we can take an active role in building a clean energy future for Michigan. Learn more at [MICLEanEnergy.com](http://MICLEanEnergy.com).

## Pre-Notification for All Custom Incentives is REQUIRED

Please attach supporting documentation as described in the Consumers Energy Business Energy Efficiency Program's 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	Electric	kWh			\$0.10				
CU102	Natural Gas****	Mcf			\$12.00				

### Step 3: Miscellaneous Data

Annual Hours of Operation (Hours/Yr)	Estimated Measure Life (Years)	Peak Demand Electrical Savings (kW)

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

Total Awarded Incentive \*\*

\* 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 customer annual limits.

\*\*\* If New Construction, the baseline shall be in accordance with Michigan Energy Code or standard customary practice.

\*\*\*\* Natural Gas custom incentives are awarded at 100% of the calculated incentive up to \$500,000 and 50% above \$500,000.

**Total Custom Incentive**

## Business Instant Discount Program: Electric Products

**Instant savings, no application required!** Simply purchase the measures from participating distributors to receive the instant discount. The incentive is a discount at the point of purchase from participating distributors. For full details, visit [ConsumersEnergy.com/instantdiscount](https://ConsumersEnergy.com/instantdiscount).

### Lighting

Measures	Measures	Measures
LED PAR	LED Trim Kit	Wallpacks < 50 W
LED MR16	LED Omni Directional	Wallpacks 50 - 99 W
LED A-Series	LED Exit Signs	Wallpacks 100 - 225 W
LED Candelabra and Globe	LED Pin-Based Lighting Products	Wallpacks > 226 W
LED BR-Series	LED Tubes	
LED Lamp with WiFi Controls	Daylight Sensors	

### Electric Appliances/Equipment

Measure	Size	Unit
ENERGY STAR® Commercial Solid Door Refrigerators	< 15 cu. ft. - 50 cu. ft.	Refrigerator
ENERGY STAR Commercial Glass Door Refrigerators	< 15 cu. ft. -50 cu. ft.	Refrigerator
ENERGY STAR Commercial Solid Door Freezers	< 15 cu. ft. -50 cu. ft.	Freezer
ENERGY STAR Commercial Glass Door Freezers	< 15 cu. ft. -50 cu. ft.	Freezer
ENERGY STAR Steam Cooker	3-pan - 6-pan	Cooker
ENERGY STAR Hot Holding Cabinets	1/2 size - Full Size	Cabinet
ENERGY STAR Fryers	3-pan	Fryer
ENERGY STAR Griddles	4-pan	Griddle
ENERGY STAR Convection Ovens		Oven
Combination Ovens		Oven
ENERGY STAR Dishwasher		Dishwasher
ENERGY STAR Ice Machines	< 500 lb. - 1,000 lb.	Machine
Pre-Rinse Sprayer (Electric Water Heat)		Sprayer

### HVAC Equipment

Measure
Unitary Air Conditioning Units (RTUs)
Packaged Terminal Air Conditioners (PTACs)
Ductless Air Conditioning Systems

### Thermostats

Measure
Programmable Thermostats
Web-Enabled Thermostats

### Miscellaneous Electric

Measure
ENERGY STAR® Clothes Washer
Drinking Water Cooler Misers
Snack Vending Machine Misers
Tankless Water Heaters
High-Performance HEPA Filters
High-Performance Non-HEPA Filter
Cogged V-Belts
Night Covers

### Agriculture

Measure
Engine Block Heater Controls
Low-Energy Livestock Waterer
Circulation, Exhaust or Vent Fans (24" to 35" Fan blade diam)
Circulation, Exhaust or Vent Fans (36" to 47" Fan blade diam)
Circulation, Exhaust, or Vent Fans (48" to 71" Fan blade diam)

**Instant savings, no application required!** Simply purchase the measures from participating distributors to receive the instant discount. The incentive is a discount at the point of purchase from participating distributors. For full details, visit [ConsumersEnergy.com/instantdiscount](https://ConsumersEnergy.com/instantdiscount).

### Appliances/Equipment

Measure	Unit
ENERGY STAR® Fryers	Fryer
Large Vat Fryers	Fryer
ENERGY STAR Griddles	Griddle
ENERGY STAR Steam Cookers (5 or 6 pan)	Cooker
ENERGY STAR Convection Ovens	Oven
Combination Ovens	Oven
Commercial Conveyor Ovens ( $\leq$ or $\geq$ 25" in width)	Oven
Rack Ovens	Oven
ENERGY STAR Dishwashers	Dishwasher
Pre-Rinse Sprayers	Sprayer
Commercial Kitchen Ventilation Control	CFM

### Water Heaters

Measure
Natural Gas Water Heaters
Tankless Water Heaters

### Thermostat

Measure
Programmable Thermostats
Web-Enabled Thermostats

### Agriculture

Measure
High Efficiency Unit Heater (At least 92% efficient)
High Efficiency Unit Heater (At least 95% efficient)

### Miscellaneous

Measure
Natural Gas Furnace
Steam Traps
Sash Stops
ENERGY STAR® Clothes Washers