

## 2014 Program Application

This Application is to be used for projects completed with a Final Application submitted during the 2014 Program Year (Jan. 1, 2014 - Nov. 30, 2014).

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For New Construction and Major Renovation projects,  
download our NC/MR Application at [dteenergy.com/savenow](http://dteenergy.com/savenow)

If you have questions about other projects and the appropriate  
Application to submit, contact us at 866-796-0512 (press option  
3) or email us at [saveenergy@dteenergy.com](mailto:saveenergy@dteenergy.com)



# Prescriptive and Custom Incentive Application Checklist

This form **MUST** be included with any Reservation and/or Final Application.

If this is a New Construction or Major Renovation project, please use that Application, which can be found online at: [dteenergy.com/savenow](http://dteenergy.com/savenow).

Submittal Date \_\_\_\_\_ Application Number (if known) \_\_\_\_\_  
Is this a revised Application?     yes     no

**Mail, fax or email completed forms and required documentation with itemized invoices to:**

**DTE Energy's Energy Efficiency Program For Business**  
P.O. Box 11289  
Detroit MI 48211  
**Fax:** 877.607.0744  
**Phone:** 866.796.0512  
**Email:** [saveenergy@dteenergy.com](mailto:saveenergy@dteenergy.com)  
**Web:** [dteenergy.com/savenow](http://dteenergy.com/savenow)

## Reservation Application

Fill out this side when reserving incentives

### Required Attachment

- Customer Information ..... 3
- Contractor Information ..... 4
- W9 Tax Information Form (customer) ..... 3
- Michigan-Made Affidavit(s) (if applicable)

### Incentives Worksheets

- Lighting ..... 7
- HVAC – Electric ..... 10
- Miscellaneous Electric ..... 15
- Process Electric ..... 16
- Food Service – Electric ..... 18
- HVAC – Gas ..... 20
- Hot Water & Laundry ..... 21
- Insulation ..... 22
- Process Gas ..... 23
- Boiler/Furnace Tune-up ..... 24
- Food Service – Gas ..... 25
- Custom ..... 27

Reservation Application Date \_\_\_\_\_

Expected Completion Date\*\* \_\_\_\_\_

\*\*Project funds will only be reserved for 90 days from date of Reservation.

## Final Application

Fill out this side when project is completed

### Required Attachments

- Customer Information ..... 3
- Contractor Information ..... 4
- W9 Tax Information Form (if different than customer) ..... 4
- 3rd Party Payment Authorization\* ..... 4
- Signed Final Application Agreement ..... 5
- Manufacturers' Specifications
- Itemized Invoices
- Michigan-Made Affidavit(s) (if applicable)

### Incentives Worksheets

- Lighting ..... 7
- HVAC – Electric ..... 10
- Miscellaneous Electric ..... 15
- Process Electric ..... 16
- Food Service – Electric ..... 18
- HVAC – Gas ..... 20
- Hot Water & Laundry ..... 21
- Insulation ..... 22
- Process Gas ..... 23
- Boiler/Furnace Tune-up ..... 24
- Food Service – Gas ..... 25
- Custom ..... 27

\* If applicable.

Final Application Date \_\_\_\_\_

Actual Completion Date\*\*\* \_\_\_\_\_

\*\*\*Application must be submitted within 60 days of completion date.

This interactive Application will automatically calculate all incentive totals on each worksheet – which you can then submit electronically to our office. You also can download this Application, print it out and complete it manually. You then can either mail or fax it to our office.

**You must complete all applicable pages before sending or submitting this Application to our office.**

[Go To Page 30 For Submission Instructions](#)



## Incentive Application (continued)

### Primary Contractor/Distributor Information

Name of Company \_\_\_\_\_ Trade Ally # \_\_\_\_\_

Name of Contact Person \_\_\_\_\_ Title of Contact Person \_\_\_\_\_

Contact Phone # \_\_\_\_\_ Contact Fax # \_\_\_\_\_

Contact Email Address \_\_\_\_\_

Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

### Optional Third Party Payment Authorization

**Complete this section ONLY if incentive payment is to be paid to an entity other than the DTE Account Holder.**

I am authorizing the payment of the incentive to the third party named below and I understand that I will not be receiving the incentive payment. I also understand that my release of the payment to a third party does not exempt me from the Program requirements outlined in the Measure Specifications, Final Application Agreement and Policies and Procedures Manual.

Authorized by: \_\_\_\_\_

DTE Account Holder Signature \_\_\_\_\_ Date \_\_\_\_\_

### Check should be made payable to:

Payee: Company/Individual Name \_\_\_\_\_

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

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

Contact Phone Number \_\_\_\_\_

### Payee Tax Information (as entered on W9)

**Tax Status:**  Limited Liability Company  Corporation (Inc., PC, Etc.)  Tax-Exempt  Partnership  Individual  Other (may receive 1099)

**Tax ID Number:** Depending on tax status please provide EITHER your EIN/Federal Tax ID or Social Security Number below:

EIN/Federal Tax ID

			-							
--	--	--	---	--	--	--	--	--	--	--

**OR**

Social Security Number

			-		-					
--	--	--	---	--	---	--	--	--	--	--



## Final Application Agreement

The energy optimization measures listed within are being/have been installed in a qualifying time frame, at a qualifying facility and are not for resale. Additional Program terms and conditions can be found in the Policy and Procedures Manual available at [dteenergy.com/savenow](http://dteenergy.com/savenow).

I understand that in the event this 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, and the availability of funds.

Selected terms and conditions include:

1. Final Applications and all required documentation must be received within 60 days of project completion.
2. The Program has a limited budget, but is a multi-year Program. Applications will be processed until allocated funds are reserved or spent each Program year.
3. All equipment must be purchased and installed prior to submitting the Final Application.
4. Applicant agrees to inspection and measurement activities by DTE Energy or its representative of both project payment and equipment installation for up to five years from the date of equipment installation.
5. 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 the Applicant is exempt.
6. 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.
7. Materials removed, including lamps and PCB ballasts, must be permanently taken out of service and disposed of in accordance with federal and state laws or regulation and local codes and ordinances. The Applicant is responsible for being aware of any applicable codes or ordinances. Information about hazardous waste disposal can be found at [www.epa.gov/wastes](http://www.epa.gov/wastes).
8. 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. DTE Energy will make the final determination of the energy savings and thus the incentive amount to be paid.
9. DTE 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 measures.
10. Payment of incentives under the Program and/or evaluation of Applications for incentives shall not deem DTE Energy or any of its affiliates, employees or agents ("DTE Energy Parties") to be responsible for any work completed in connection herewith. Applicant fully releases DTE Energy Parties from any and all claims it may have against DTE Energy Parties in connection with this Application, the incentives or the work performed in connection with them. In addition, Applicant agrees to defend, indemnify and hold DTE Energy Parties harmless from and against any and all claims, losses, demands or lawsuits by any third parties arising in connection with this Application, the payment or nonpayment of incentives or any work performed in connection with them.
11. DTE Energy reserves the right to associate with your business and participation in the incentive Program for promotion and advertising purposes. See the Policies and Procedures Manual for more on promotional co-branding.
12. Applicant acknowledges that Federal Energy Regulatory Commission (FERC) Order issued on June 1, 2012, at Docket No. ER11-4081-000 ("FERC Order") approves of the inclusion of energy efficiency resources as planning resources in a utility's resource adequacy plan (all italicized terms as defined in the FERC Order). Accordingly, Applicant and DTE Energy agree that all such rights afforded with respect to energy efficiency resources, including but not limited to the right to identify them as a planning resource so as to include them in a resource adequacy plan, shall inure exclusively and fully to DTE Energy. Applicant agrees that it will not claim ownership in such energy efficiency resources for purposes of identifying them as a planning resource in accord with the FERC Order or include them in a resource adequacy plan.

I have read and understand the measure specifications and Program Guidelines set forth in the Application 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 acknowledge and understand that it is necessary for DTE Energy to store, use and share the information contained in this Application, as well as information collected in connection with this project, including but not limited to my business name, address, account number and energy consumption data ("Customer Data") for various purposes. Therefore, I hereby authorize DTE Energy to collect, store and use the Customer Data for internal purposes and to present me with other energy saving opportunities. I further authorize DTE Energy to share the Customer Data with third party vendors/contractors who are doing work on DTE Energy's behalf.



# Incentive Summary, Final Agreement Information and Account Holder Signature Page

Measure Category	Prescriptive Total (A)	Custom Total (B)	Michigan-Made Total	Multi-Measure Total (A + B)	Multi-Measure Percentage
Lighting					
HVAC – Electric					
Misc. Electric					
Process Electric					
Food Service – Electric					
HVAC – Gas					
Hot Water & Laundry					
Insulation					
Process Gas					
Boiler/Furnace Tune-Ups					
Food Service – Gas					
<b>Subtotals</b>			<b>C1</b>	<b>D1</b>	<b>D1</b>
<b>20% Multi-Measure Bonus</b>				<b>D2</b>	<b>D2</b>
<b>15% Michigan-Made Bonus</b>			<b>C2</b>		<b>C2</b>
<b>Incentive Subtotal</b>					
<b>Other Special Offers</b>					
Other Special Offer – Code:					
Other Special Offer – Code:					
Other Special Offer – Code:					
<b>Total Incentives Requested</b>					

The figures in this table will self-populate in the electronic version of this Application. In a paper version, the values must be entered manually.

- For the Michigan-Made bonus:
  1. By category, enter only those incentives that meet the Michigan-Made criteria and total (C1)
  2. Then, multiply the total by .15 and enter into C2 and again in C2 at the far right
- For the Multiple-Measure bonus:
  1. Subtotal each category (A+B)
  2. Total all categories and enter in D1

3. Then, calculate the percentage of each category against the total (divide each category by D1). If no single category is more than 75% of the total, proceed to Step 4; otherwise enter \$0 in D2
4. Multiply D1 by .20 and enter into D2 and again in D2 at the far right.

Total all incentives in D1, D2 and C2 and enter in Incentives Subtotal. Enter any other Program Special Offer bonuses where indicated (you must attach the worksheet from each offer) and manually enter the incentive value in the space(s) provided.

**BEFORE YOU SUBMIT:** Review the summary above to ensure all incentive areas reflect the worksheets you've completed in this Application. If you find a blank area that should be filled in, review that worksheet page.

## Final Agreement Information and Account Holder Signature

DTE Project Number

Total Project Cost

Actual Completion Date

DTE Account Holder Name (print)

DTE Account Holder Title

DTE Account Holder Signature

Date

For Final Applications, sign and submit only **after** all equipment has been installed. A customer signature is required for payment. Signed Applications received by fax or email will be treated the same as original Applications received by mail. See Page 30 for submission instructions.


**By signing this form, I agree to all terms and conditions listed on page 5.**




IMPORTANT NOTE: Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

### Lighting Incentive Worksheet


#### Compact Fluorescents and LEDs (Incandescent/Halogen to CFL or LED)

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
7-1	CFL - Screw-in (≤ 31 Watts)	\$1.50	Lamp			<input type="checkbox"/>
7-2	CFL - Screw-in (> 31 Watts)	\$10.00	Lamp			<input type="checkbox"/>
7-3	CFL Reflector Flood Lamps	\$10.00	Lamp			<input type="checkbox"/>
7-4	Compact Fluorescent Fixture	\$22.00	Fixture			<input type="checkbox"/>
7-5	42W 8 Lamp High Bay Compact Fluorescent Fixture	\$35.00	Fixture			<input type="checkbox"/>
7-6	LED A-Line Lamp <19 watts	\$12.00	Lamp			<input type="checkbox"/>
7-7	LED A-Line Lamp ≥ 19 watts	\$15.00	Lamp			<input type="checkbox"/>
7-8	LED Recessed Down Light	\$15.00	Lamp			<input type="checkbox"/>
7-9	MR16 LED Lamps	\$6.00	Lamp			<input type="checkbox"/>
7-10	PAR LED Lamps	\$10.00	Lamp			<input type="checkbox"/>


Lighting

#### Interior High Performance (HP) and Low Wattage (LW) 4-foot Linear Fluorescents. All lamps are 4ft unless otherwise stated.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
7-11	LW T8 (Lamps Only, 4ft Linear or U-Lamp) NOTE: Reservation Application is required for all LW T8 lamp only projects.	\$1.00	Lamp			
7-12	1 Lamp HP T8, replacing T8/T12	\$2.00	Fixture			<input type="checkbox"/>
7-13	2 Lamp HP T8, replacing T8/T12	\$3.00	Fixture			<input type="checkbox"/>
7-14	3 Lamp HP T8, replacing T8/T12	\$4.00	Fixture			<input type="checkbox"/>
7-15	4 Lamp HP T8, replacing T8/T12	\$5.00	Fixture			<input type="checkbox"/>
7-16	1 Lamp LW HP T8, replacing T8/T12	\$3.00	Fixture			<input type="checkbox"/>
7-17	2 Lamp LW HP T8, replacing T8/T12	\$5.00	Fixture			<input type="checkbox"/>
7-18	3 Lamp LW HP T8, replacing T8/T12	\$7.00	Fixture			<input type="checkbox"/>
7-19	4 Lamp LW HP T8, replacing T8/T12	\$9.00	Fixture			<input type="checkbox"/>

Qualifying lamps and ballasts can be found at [www.cee1.org](http://www.cee1.org).

#### Interior Linear LED (Reservation Application Required)

Ref #	Brief Description of Pre- and Post-Fixtures	Annual Hours of Operation (A)	# of Fixtures (B)	Pre-Upgrade kW/Fixture (C)	Post-Upgrade kW/Fixture (D)	Total kWh Reduced (A x B x (C - D)) = (E)	Incentive \$/kWh (F)	Total Incentive (E x F)	
7-20							\$0.08		<input type="checkbox"/>
7-21							\$0.08		<input type="checkbox"/>
7-22							\$0.08		<input type="checkbox"/>

NOTE: Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures


Subtotal Lighting Incentives – Page 1

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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Lighting Incentive Worksheet (continued)


### Interior High-Intensity Discharge (HID) to Fluorescent Fixtures

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.


Lighting

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
8-1	3 Lamp T5 HO, replacing 250W HID	\$35.00	Fixture			<input type="checkbox"/>
8-2	4 Lamp T5 HO, replacing 400W HID	\$65.00	Fixture			<input type="checkbox"/>
8-3	6 Lamp T5 HO, replacing 400W HID	\$30.00	Fixture			<input type="checkbox"/>
8-4	12 Lamp T5 HO, replacing 1000W HID (any number of lamps per fixture permitted)	\$110.00	Fixture			<input type="checkbox"/>
8-5	4 Lamp 32W T8, replacing 250W HID	\$50.00	Fixture			<input type="checkbox"/>
8-6	6 Lamp 32W T8, replacing 400W HID	\$70.00	Fixture			<input type="checkbox"/>
8-7	8 Lamp 32W T8, replacing 400W HID	\$50.00	Fixture			<input type="checkbox"/>
8-8	16 Lamp 32W T8, replacing 1000W HID (any number of lamps per fixture permitted)	\$150.00	Fixture			<input type="checkbox"/>
8-9	Pulse Start Metal Halide	≤ 499W (magnetic ballast), replacing 400 to 800W Probe Start	\$25.00	Fixture		<input type="checkbox"/>
8-10		≤ 499W (electronic ballast), replacing 400 to 800W Probe Start	\$40.00	Fixture		<input type="checkbox"/>
8-11		500 to 750W (magnetic ballast), replacing > 800W Probe Start	\$45.00	Fixture		<input type="checkbox"/>
8-12		500 to 750W (electronic ballast), replacing > 800W Probe Start	\$60.00	Fixture		<input type="checkbox"/>


### Interior LED or Induction High Bay (Reservation Application Required)

Ref #	Brief Description of Existing Fixture Model and New Fixture Model	Pre-Upgrade			Post-Upgrade			Total Watts Reduced (E) = (A x B) - (C x D)	Incentive/ Watt Reduced (F)	Total Incentive (E x F)	
		# of Fixtures (A)	# of Lamps/ Fixture	Watts/ Fixture (B)	# of Fixtures (C)	# of Lamps/ Fixture	Watts/ Fixture (D)				
8-13								\$0.25		<input type="checkbox"/>	
8-14								\$0.25		<input type="checkbox"/>	
8-15								\$0.25		<input type="checkbox"/>	


### Exterior or Garage HID to LED/Induction Lighting Retrofit (annual operating hours less than 8,760)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
8-16	LED or Induction replacing ≤ 175W HID	\$20.00	Fixture			<input type="checkbox"/>
8-17	LED or Induction replacing 176W to 250W HID	\$35.00	Fixture			<input type="checkbox"/>
8-18	LED or Induction replacing 251W to 400W HID	\$55.00	Fixture			<input type="checkbox"/>

### Exterior or Garage HID to LED/Induction Lighting Retrofit (annual operating hours equal to 8,760)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
8-19	LED or Induction replacing ≤ 175W HID	\$50.00	Fixture			<input type="checkbox"/>
8-20	LED or Induction replacing 176W to 250W HID	\$75.00	Fixture			<input type="checkbox"/>
8-21	LED or Induction replacing 251W to 400W HID	\$120.00	Fixture			<input type="checkbox"/>

### 8-18 – Exterior HID to Linear Fluorescent (Reservation Application Required)

Ref #	Brief Description of Existing Fixture Model and New Fixture Model	Pre-Upgrade			Post-Upgrade			Total Watts Reduced (E) = (A x B) - (C x D)	Incentive/ Watt Reduced (F)	Total Incentive (E x F)	
		# of Fixtures (A)	# of Lamps/ Fixture	Watts/ Fixture (B)	# of Fixtures (C)	# of Lamps/ Fixture	Watts/ Fixture (D)				
8-22								\$0.20		<input type="checkbox"/>	
8-23								\$0.20		<input type="checkbox"/>	
8-24								\$0.20		<input type="checkbox"/>	

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

Subtotal Lighting Incentives – Page 2

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IMPORTANT NOTE: Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

### Lighting Incentive Worksheet (continued)

#### Exterior High-Intensity Discharge (HID) replacements with CFLs

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-1	Exterior CFL replacing up to 175W HID	\$30.00	Fixture		
9-2	Exterior CFL replacing 176W to 250W HID	\$45.00	Fixture		
9-3	Exterior CFL replacing 251W to 400W HID	\$85.00	Fixture		

#### Exit Sign Conversion

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-4	LED Exit Signs Electronic Fixtures Retrofit or Replacement	\$12.50	Fixture		



Lighting

#### Traffic Signal Conversion

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-5	LED Auto Traffic Signals	\$20.00	Signal		
9-6	LED Pedestrian Signals	\$15.00	Signal		



#### Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-7	Interior Occupancy Sensors (≤ 500 Watts Controlled)	\$20.00	Sensor		
9-8	Interior Occupancy Sensors (> 500 Watts Controlled)	\$50.00	Sensor		
9-9	Interior Central Lighting Control (\$0.06 per Sq. Ft.)	\$600.00	10,000 Sq. Ft.		
9-10	Interior Switching Controls for Multilevel Lighting (\$0.05 per Sq. Ft.)	\$500.00	10,000 Sq. Ft.		
9-11	Interior Daylight Sensor Controls (\$0.09 per Sq. Ft.)	\$900.00	10,000 Sq. Ft.		
9-12	Exterior Lighting Bi-level Control w/Override, 150W to 1000W HID	\$50.00	Fixture		

NOTE: Incentives are available for only one lighting control measure for a given space.

#### Daylighting

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-13	Tubular Skylights (Light Tubes)	\$35.00	Tube		



#### Food Service Lighting

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-14	LED Refrigerated Case Door Lighting	\$30.00	Door		
9-15	Occupancy Sensors for LED Refrigerated Case Lighting	\$15.00	Door		



#### De-lamping (Note: a Reservation Application is required for all De-lamping projects)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
9-16	T12 or T8 4ft Lamp Removal (combined with HPT8 or LWHPT8 ballast retrofit)	\$2.50	Lamp Removed		

NOTE: Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made All Measures

Subtotal Lighting Incentives – Page 3

Total Lighting Incentives


10/31/2013


**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.



USE LESS.  
**SAVE MORE.**


## HVAC – Electric Incentive Worksheet

### 10 – Air Conditioning Systems and Heat Pumps (excluding Ground Source Heat Pumps)

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Equipment Type	Size Category	Qualifying Efficiency	Incentive (per ton)
Unitary and Split Air Conditioning Systems	≤ 65,000 Btu/hr (5.4 tons) - 1 Phase	14.0 SEER	\$10.00
	≤ 65,000 Btu/hr (5.4 tons) - 3 Phase	14.0 SEER	\$10.00
	> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)	12.0 EER	\$15.00
	> 135,000 Btu/hr (11.3 tons), ≤ 240,000 Btu/hr (20 tons)	12.0 EER	\$15.00
	> 240,000 Btu/hr (20 tons), ≤ 760,000 Btu/hr (63.3 tons)	10.8 EER	\$10.00
	> 760,000 Btu/hr (63.3 tons)	10.2 EER	\$10.00
Air Source Heat Pumps	≤ 65,000 Btu/hr (5.4 tons) - 1 Phase	14.0 SEER	\$20.00
	≤ 65,000 Btu/hr (5.4 tons) - 3 Phase	13.0 SEER	\$10.00
	> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)	11.0 EER	\$20.00
	> 135,000 Btu/hr (11.3 tons), ≤ 240,000 Btu/hr (20 tons)	11.0 EER	\$25.00
	>240,000 Btu/hr (20 tons)	10.0 EER	\$30.00
Closed Loop Heat Pump	≤ 17,000 Btu/hr (1.4 tons)	11.5 EER	\$10.00
	> 17,000 Btu/hr (1.4 tons), ≤ 65,000 Btu/hr (5.4 tons)	12.3 EER	\$8.00
	> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)	12.3 EER	\$8.00
Room Air Conditioners	≤14,000 Btu/hr (1.17 tons)	ENERGY STAR® (Tier 1)	\$10.00
	> 14,000 Btu/hr (1.17 tons)	ENERGY STAR® (Tier 1)	\$25.00
Package Terminal Air Conditioner	ALL	9.3 EER	\$5.00
Package Terminal Heat Pump	ALL	9.1 EER	\$10.00

HVAC Electric

Ref #	Equipment Type & Size Category	Make and Model	EER	SEER or IPLV	HSPF or COP	Unit Size (tons) (A)	Quantity (B)	Incentive Per Unit (C)	Incentive (A*B*C)	
10-1										<input type="checkbox"/>
10-2										<input type="checkbox"/>
10-3										<input type="checkbox"/>
10-4										<input type="checkbox"/>
10-5										<input type="checkbox"/>

Select the HVAC system in operation at the project site (ask your contractor for assistance)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> AC with gas heat                          | <input type="checkbox"/> CV reheat no econ with Gas Engine Chiller   | <input type="checkbox"/> PTAC-HP                                   |
| <input type="checkbox"/> Air source heat pump                      | <input type="checkbox"/> CV reheat no econ with Water Cooled Chiller | <input type="checkbox"/> Refrigeration                             |
| <input type="checkbox"/> CV reheat econ with Air Cooled Chiller    | <input type="checkbox"/> Gas heat only                               | <input type="checkbox"/> VAV reheat econ with Air Cooled Chiller   |
| <input type="checkbox"/> CV reheat econ with Gas Engine Chiller    | <input type="checkbox"/> Ground source heat pump                     | <input type="checkbox"/> VAV reheat econ with Gas Engine Chiller   |
| <input type="checkbox"/> CV reheat econ with Water Cooled Chiller  | <input type="checkbox"/> MZS no econ with Air Cooled Chiller         | <input type="checkbox"/> VAV reheat econ with Water Cooled Chiller |
| <input type="checkbox"/> CV reheat no econ with Air Cooled Chiller | <input type="checkbox"/> PTAC  | <input type="checkbox"/> Water loop heat pump                      |

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made  All Measures

Subtotal HVAC – Electric Incentives – Page 1    

1/31/2013





IMPORTANT NOTE: Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

### HVAC – Electric Incentive Worksheet

#### Ground Source Heat Pumps

Equipment Type	Size Category	Qualifying Efficiency	Incentive (per ton) (C)
Ground-Source Heat Pump (GSHP)	≤ 135,000 Btu/h (11.3 tons)	17 EER	\$22.50
		19 EER	\$30.00
Ground Source Heat Pump (replacing Air Source Heat Pump)	≤ 135,000 Btu/h (11.3 tons)	17 EER	\$150.00
		19 EER	\$175.00

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type & Qualifying Efficiency Category	Make and Model	EER	kW/ton Full Load	kW/ton IPLV	Unit Size (tons) (A)	Quantity (B)	Incentive Per Ton (C)	Incentive (A*B*C)	
11-1										<input type="checkbox"/>
11-2										<input type="checkbox"/>
11-3										<input type="checkbox"/>
11-4										<input type="checkbox"/>
11-5										<input type="checkbox"/>

HVAC Electric

#### HVAC Controls

Ref #	Measure Name	Size	Incentive	Unit	# of Units	Total Incentive
11-6	Programmable Thermostat (Air Conditioning)	ALL	\$20.00	Thermostat		
11-7	Chilled Water Reset with Pump on/off Control	ALL	\$5.00	1,000 Sq. Ft.		
11-8	Setback-Setup Controls (Air Conditioning)	ALL	\$20.00	1,000 Sq. Ft.		
11-9	Hotel Guestroom Energy Management Control (Air Conditioning)	ALL	\$30.00	Room		

#### HVAC Occupancy Sensor for Large Office Building

Ref #	Measure Name	Size	Incentive	Unit	# of Units	Total Incentive
11-10	With CV Chilled Water System	ALL	\$30.00	1,000 Sq. Ft.		
11-11	With VAV Chilled Water System	ALL	\$5.00	1,000 Sq. Ft.		

NOTE: Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made All Measures

Subtotal HVAC – Electric Incentives – Page 2

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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.





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## HVAC – Electric Incentive Worksheet

### Other HVAC

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Measure Name	Size	Incentive	Unit	# of Units	Total Incentive	
12-1	Chilled Water Reset - Air Cooled	≤ 100 tons	\$1.00	Ton			<input type="checkbox"/>
12-2		> 100 tons, ≤ 200 tons	\$1.00	Ton			<input type="checkbox"/>
12-3		> 200 tons, ≤ 300 tons	\$1.00	Ton			<input type="checkbox"/>
12-4		> 300 tons, ≤ 400 tons	\$1.00	Ton			<input type="checkbox"/>
12-5		> 400 tons, ≤ 500 tons	\$1.00	Ton			<input type="checkbox"/>
12-6	Chilled Water Reset - Water Cooled	≤ 1,000 tons	\$1.00	Ton			<input type="checkbox"/>
12-7		> 1,000 tons, ≤ 2,000 tons	\$0.50	Ton			<input type="checkbox"/>
12-8		> 2,000 tons, ≤ 3,000 tons	\$0.50	Ton			<input type="checkbox"/>
12-9	Variable Frequency Drive - VAV Supply or Return Air Fan	ALL	\$60.00	Fan HP			<input type="checkbox"/>
12-10	Variable Frequency Drive - Secondary Chilled Water Pump	ALL	\$60.00	Pump HP			<input type="checkbox"/>
12-11	Economizer	ALL	\$8.00	Ton			<input type="checkbox"/>
12-12	Cool Roof (\$0.02 per Sq. Ft.)	ALL	\$20.00	1,000 Sq. Ft. Roof Area			<input type="checkbox"/>
12-13	High Performance Glazing in Windows (\$0.30 per Sq.Ft.)	ALL	\$30.00	100 Sq.Ft. of Glazing			<input type="checkbox"/>
12-14	Window Film (\$0.30 per Sq. Ft.)	ALL	\$30.00	100 Sq. Ft. of Film			<input type="checkbox"/>

HVAC  
Electric

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

Subtotal HVAC – Electric Incentives – Page 3


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10/31/2013

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.


## HVAC – Electric Incentive Worksheet

### Air-Cooled Chillers

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Equipment Type	Qualifying Full Load Efficiency (EER or Btu/Wh)		Qualifying IPLV (EER or Btu/Wh)		Incentive (per ton)
	COP	Equivalent EER	COP	Equivalent EER	
Reciprocating Chiller	2.8	9.55	3.41	11.63	\$25.00
			3.89	13.27	\$25.00
			4.24	14.47	\$25.00
	3.08	10.51	3.36	11.46	\$25.00
			3.76	12.83	\$25.00
			4.28	14.60	\$25.00
			4.67	15.93	\$25.00
	3.36	11.46	3.66	12.49	\$25.00
			4.10	13.99	\$25.00
			4.67	15.93	\$25.00
			5.09	17.37	\$25.00
			5.69	19.41	\$25.00
Screw or Scroll Chiller	2.8	9.55	3.46	11.80	\$25.00
			3.64	12.42	\$25.00
			4.75	16.21	\$25.00
	3.08	10.51	3.36	11.46	\$25.00
			3.80	12.97	\$25.00
			4.00	13.65	\$25.00
			5.22	17.81	\$25.00
	3.36	11.46	3.66	12.49	\$25.00
			4.15	14.16	\$25.00
			4.42	15.08	\$25.00
			5.69	19.41	\$25.00
			5.69	19.41	\$25.00

 HVAC  
 Electric

Ref #	Equipment Type	Make and Model	Installed Full Load Efficiency (COP)	Installed IPLV (COP)	Unit Size (tons) (A)	Quantity (B)	Incentive Per Ton (C)	Incentive (A*B*C)	
13-1									<input type="checkbox"/>
13-2									<input type="checkbox"/>
13-3									<input type="checkbox"/>
13-4									<input type="checkbox"/>
13-5									<input type="checkbox"/>
13-6									<input type="checkbox"/>

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.



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## HVAC – Electric Incentive Worksheet

### 14 – Water-Cooled Chillers – Centrifugal Chiller

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.  
**Water-Cooled Chillers – Screw or Scroll Chiller**

Capacity (A)	Full Load Efficiency (kW/ton)	IPLV (kW/ton)	Incentive (C)
≤ 150 tons	0.56	0.34	\$45.00
		0.40	\$40.00
		0.43	\$35.00
		0.46	\$30.00
		0.53	\$25.00
	0.63	0.38	\$30.00
		0.45	\$25.00
		0.48	\$20.00
		0.51	\$15.00
		0.60	\$10.00
	0.70	0.42	\$20.00
		0.50	\$15.00
		0.53	\$10.00
		0.57	\$5.00
		0.30	\$45.00
>150 tons, ≤ 300 tons	0.51	0.36	\$40.00
		0.39	\$35.00
		0.41	\$30.00
		0.48	\$25.00
		0.34	\$30.00
	0.57	0.40	\$25.00
		0.43	\$20.00
		0.46	\$15.00
		0.54	\$10.00
		0.38	\$20.00
	0.63	0.45	\$15.00
		0.48	\$10.00
		0.51	\$5.00
		0.28	\$45.00
		> 300 tons	0.46
0.35	\$35.00		
0.37	\$30.00		
0.44	\$25.00		
0.31	\$30.00		
0.52	0.37		\$25.00
	0.39		\$20.00
	0.42		\$15.00
	0.49		\$10.00
	0.35		\$20.00
0.58	0.41		\$15.00
	0.44		\$10.00
	0.47		\$5.00

Capacity (A)	Full Load Efficiency (kW/ton)	IPLV (kW/ton)	Incentive (C)
< 150 tons	0.63	0.38	\$50.00
		0.41	\$45.00
		0.44	\$40.00
		0.47	\$35.00
		0.50	\$30.00
	0.71	0.56	\$25.00
		0.43	\$40.00
		0.46	\$35.00
		0.50	\$30.00
		0.53	\$25.00
	0.79	0.56	\$20.00
		0.63	\$15.00
		0.47	\$30.00
		0.51	\$25.00
		0.55	\$20.00
150-300 tons	0.57	0.59	\$15.00
		0.62	\$10.00
		0.34	\$50.00
		0.37	\$45.00
		0.40	\$40.00
	0.65	0.43	\$35.00
		0.45	\$30.00
		0.51	\$25.00
		0.39	\$40.00
		0.42	\$35.00
	0.72	0.45	\$30.00
		0.48	\$25.00
		0.51	\$20.00
		0.57	\$15.00
		0.43	\$30.00
> 300 tons	0.51	0.47	\$25.00
		0.50	\$20.00
		0.54	\$15.00
		0.57	\$10.00
		0.31	\$50.00
	0.58	0.33	\$45.00
		0.36	\$40.00
		0.38	\$35.00
		0.40	\$30.00
		0.46	\$25.00
	0.64	0.35	\$40.00
		0.37	\$35.00
		0.40	\$30.00
		0.43	\$25.00
		0.45	\$20.00

Ref #	Equipment Type	Make and Model	Installed Full Load Efficiency (kW/ton)	Installed IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive Per Ton (C)	Total Incentive (A*B*C)	
14-1									<input type="checkbox"/>
14-2									<input type="checkbox"/>
14-3									<input type="checkbox"/>
14-4									<input type="checkbox"/>

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made      All Measures

Subtotal HVAC – Electric Incentives – Page 5


Total HVAC – Electric Incentives




**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.


## Miscellaneous Electric Incentive Worksheet

### Sensors and Controls

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
15-1	Intelligent Multi-Socket Surge Protector	\$8.00	Protector		
15-2	PC Network Energy Management Controls	\$8.00	PC		

### Clothes Washers

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
15-3	High Efficiency Clothes Washer (Electric Water Heat, Electric Dryer)	\$50.00	Washer			<input type="checkbox"/>
15-4	High Efficiency Clothes Washer (Electric Water Heat, Gas Dryer)	\$50.00	Washer			<input type="checkbox"/>

Misc.  
Electric

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures


Total Miscellaneous Electric Incentives


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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.


## Process Electric Incentive Worksheet

### High Efficiency Pumps


Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type (A)	Incentive (B)	Incentive Unit	# of Pumps (C)	Total HP (A x C)	Total Incentive (A x B x C)	
16-1	1.5 HP	\$20.00	HP				<input type="checkbox"/>
16-2	2 HP	\$20.00	HP				<input type="checkbox"/>
16-3	3 HP	\$20.00	HP				<input type="checkbox"/>
16-4	5 HP	\$20.00	HP				<input type="checkbox"/>
16-5	7.5 HP	\$20.00	HP				<input type="checkbox"/>
16-6	10 HP	\$20.00	HP				<input type="checkbox"/>
16-7	15 HP	\$20.00	HP				<input type="checkbox"/>
16-8	20 HP	\$20.00	HP				<input type="checkbox"/>

### Variable Frequency Drive for Process

Ref #	Equipment Type	Size (A)	Incentive (B)	Incentive Unit	# of Pumps (C)	Total HP (A x C)	Total Incentive (A x B x C)	
16-9	Process Pumps	1.5 HP	\$60.00	HP				<input type="checkbox"/>
16-10		2 HP	\$60.00	HP				<input type="checkbox"/>
16-11		3 HP	\$60.00	HP				<input type="checkbox"/>
16-12		5 HP	\$60.00	HP				<input type="checkbox"/>
16-13		7.5 HP	\$60.00	HP				<input type="checkbox"/>
16-14		10 HP	\$60.00	HP				<input type="checkbox"/>
16-15		15 HP	\$60.00	HP				<input type="checkbox"/>
16-16		20 HP	\$60.00	HP				<input type="checkbox"/>
16-17		25 HP	\$60.00	HP				<input type="checkbox"/>
16-18		30 HP	\$60.00	HP				<input type="checkbox"/>
16-19		40 HP	\$60.00	HP				<input type="checkbox"/>
16-20	50 HP	\$60.00	HP				<input type="checkbox"/>	
16-21	Process Fans (≤ 50 HP)		\$30.00	HP				<input type="checkbox"/>

### Compressed Air

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
16-22	Compressed Air Engineered Nozzle	\$100.00	Nozzle			<input type="checkbox"/>
16-23	Compressed Air Pressure Flow Controller – Reservation Application Required	\$4.00	HP			<input type="checkbox"/>
16-24	Compressed Air Audit with Leak Repair – Reservation Application Required prior to leak repair	\$35.00	SCFM			<input type="checkbox"/>
16-25	VSD Air Compressor – Reservation Application Required	\$80.00	HP			<input type="checkbox"/>
16-26	Compressed Air Cycling Dryers	Refrigerated Thermal Mass	\$0.30	SCFM		<input type="checkbox"/>
16-27		Refrigerated Variable Speed Compressor	\$1.00	SCFM		<input type="checkbox"/>
16-28		Refrigerated Digital Scroll	\$1.00	SCFM		<input type="checkbox"/>

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

Subtotal Process Electric Incentives – Page 1


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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Process Electric Incentive Worksheet

### Miscellaneous Process

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type		Incentive	Unit	# of Units	Total Incentive	
17-1	Industrial 3-Phase HF Battery Charger	1-shift operation	\$85.00	Charger			<input type="checkbox"/>
17-2		2-shift operation	\$160.00	Charger			<input type="checkbox"/>
17-3		3-shift operation	\$220.00	Charger			<input type="checkbox"/>
17-4	Electrically Commutated Plug Fans	In-Cabinet	\$65.00	HP			<input type="checkbox"/>
17-5		Under-Cabinet	\$110.00	HP			<input type="checkbox"/>
17-6	Barrel Wraps for Injection Molders & Extruders		\$25.00	Square Foot			<input type="checkbox"/>
17-7	Insulated Pellet Dryer Ducts	3" diameter	\$10.00	Linear foot			<input type="checkbox"/>
17-8		4" diameter	\$15.00	Linear foot			<input type="checkbox"/>
17-9		5" diameter	\$20.00	Linear foot			<input type="checkbox"/>
17-10		6" diameter	\$25.00	Linear foot			<input type="checkbox"/>
17-11		8" diameter	\$30.00	Linear foot			<input type="checkbox"/>
17-12	Tank Insulation – 1"	Low Temp (120°F – 170°F)	\$1.00	Square foot			<input type="checkbox"/>
17-13		High Temp (> 170°F)	\$1.50	Square foot			<input type="checkbox"/>
17-14	Tank Insulation – 2"	Low Temp (120°F – 170°F)	\$1.00	Square foot			<input type="checkbox"/>
17-15		High Temp (> 170°F)	\$2.00	Square foot			<input type="checkbox"/>

 Process  
 Electric

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.


Subtotal Process Electric Incentives – Page 2

Total Process Electric Incentives


Michigan-Made	All Measures

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.


## Food Service – Electric and Refrigeration Incentive Worksheet

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.


### ENERGY STAR® Commercial Solid Door Refrigerators and Freezers

Ref #	Equipment Type	Size	Incentive	Unit	# of Units	Total Incentive	
18-1	Refrigerators	< 15 cu ft	\$75.00	Refrigerator			<input type="checkbox"/>
18-2		15 - 30 cu ft	\$100.00	Refrigerator			<input type="checkbox"/>
18-3		31 - 50 cu ft	\$150.00	Refrigerator			<input type="checkbox"/>
18-4		> 50 cu ft	\$200.00	Refrigerator			<input type="checkbox"/>
18-5	Freezers	< 15 cu ft	\$75.00	Freezer			<input type="checkbox"/>
18-6		15 - 30 cu ft	\$100.00	Freezer			<input type="checkbox"/>
18-7		31 - 50 cu ft	\$150.00	Freezer			<input type="checkbox"/>
18-8		> 50 cu ft	\$200.00	Freezer			<input type="checkbox"/>


### ENERGY STAR® Steam Cookers and Hot Holding Cabinets

Ref #	Equipment Type	Type	Incentive	Unit	# of Units	Total Incentive	
18-9	Steam Cookers	3 Pan	\$450.00	Cooker			<input type="checkbox"/>
18-10		4 Pan	\$600.00	Cooker			<input type="checkbox"/>
18-11		5 Pan	\$750.00	Cooker			<input type="checkbox"/>
18-12		6 Pan	\$900.00	Cooker			<input type="checkbox"/>
18-13	Hot Holding Cabinets	Half Size	\$300.00	Cabinet			<input type="checkbox"/>
18-14		Three Quarter Size	\$400.00	Cabinet			<input type="checkbox"/>
18-15		Full Size	\$600.00	Cabinet			<input type="checkbox"/>

### Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
18-16	Beverage Vending Machine Controllers	\$50.00	Machine			<input type="checkbox"/>
18-17	Anti-Sweat Heater Controls	\$100.00	Door			<input type="checkbox"/>
18-18	Floating Head Pressure Controls	\$20.00	Ton			<input type="checkbox"/>
18-19	Commercial Kitchen Ventilation Hood with Demand Control	\$0.05	CFM			<input type="checkbox"/>

### Energy Efficient Ice Machines

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
18-20	< 500 lbs	\$150.00	Machine			<input type="checkbox"/>
18-21	500 to 1,000 lbs	\$250.00	Machine			<input type="checkbox"/>
18-22	> 1,000 lbs	\$500.00	Machine			<input type="checkbox"/>

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

Subtotal Food Service – Electric and Refrigeration Incentives – Page 1


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10/31/2013



**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Food Service – Electric and Refrigeration Incentive Worksheet

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

### Refrigeration

Ref #	Equipment Type	Incentive	Unit	# of Units		Total Incentive
				Ft.	Hrs.	
19-1	Efficient Refrigeration Condenser	\$100.00	Ton			
19-2	ECM Motor for Reach-in Refrigerated Display Case	\$60.00	Motor			
19-3	ECM Motor for Walk-in Cooler and Freezer	\$80.00	Motor			
19-4	Evaporator Fan Motor Control on ECM Motors for Walk-in Coolers and Freezers	\$30.00	Controller			
19-5	Evaporator Fan Motor Control on PSC Motors for Walk-in Coolers and Freezers	\$30.00	Controller			
19-6	Night Covers (Vertical)*	\$1.25	Linear Ft. x Hrs/Day			
19-7	Strip Curtains on Walk-in Cooler Doors	\$6.00	Square Foot			
19-8	Strip Curtains on Walk-in Freezer Doors	\$30.00	Square Foot			
19-9	Door Gaskets on Coolers and Freezers	\$5.00	Linear Foot			


\* To calculate night cover incentive, multiply incentive x linear ft x hrs that night cover is used per day

### Food Service Lighting

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
19-10	Refrigerated Savings due to Lighting Savings: -20°F to 0°F	\$0.15	Lighting watt reduced		
19-11	Refrigerated Savings due to Lighting Savings: 0°F to 20°F	\$0.10	Lighting watt reduced		
19-12	Refrigerated Savings due to Lighting Savings: 20°F to 40°F	\$0.07	Lighting watt reduced		

Food Service – Electric

These lighting measures can be found on Page 9:

Equipment Type	Incentive	Unit
LED Refrigerated Door Case Lighting	\$30.00	Door
Occupancy Sensors for LED Refrigerated Case Lighting	\$15.00	Door

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Subtotal Food Service – Electric and Refrigeration Incentives – Page 2

Total Food Service – Electric and Refrigeration Incentives

Michigan-Made	All Measures

10/31/2013


**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.



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## HVAC Gas Incentive Worksheet

### Boilers and Furnaces

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type	Equipment Size MBH	Incentive	Unit	# of Units	Total Incentive
20-1	Boiler Modulating Burner Control Retrofit		\$1,250.00	Unit		
20-2	Boiler Water Reset Control Retrofit		\$0.50	MBH		
20-3	High Efficiency Furnace 95% Efficient		\$350.00	Unit		
20-4	High Efficiency Furnace 92% Efficient		\$250.00	Unit		
20-5	High Efficiency Boilers (Space Heating)		\$2.00	MBH		
20-6	Leaking Steam Trap Repair or Replacement		\$100.00	Trap		



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### Other HVAC

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
20-7	Infrared Heaters	\$5.00	MBH		
20-8	Chilled Water Reset	\$1.00	Ton		
20-9	Variable Frequency Drive on Secondary Chilled Water Pump	\$10.00	Pump HP		
20-10	Destratification Fans (Reservation Application Required)	\$35.00	1,000 Sq. Ft.		



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- 

### HVAC Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
20-11	Programmable Thermostat (Gas Heat)	\$50.00	Thermostat		
20-12	Chilled Water Reset with Pump on/off Control (\$0.005 per Sq. Ft.)	\$5.00	1,000 Sq. Ft.		
20-13	Setback/Setup Controls (Gas Heat)	\$50.00	1,000 Sq. Ft.		
20-14	Demand Controlled Ventilation CO <sub>2</sub> Sensor-based (\$0.10 per Sq. Ft.)	\$100.00	1,000 Sq. Ft.		
20-15	HVAC Occupancy Sensor, Large Office Building w/CV Chilled Water System	\$20.00	1,000 Sq. Ft.		
20-16	HVAC Occupancy Sensor, Large Office Building w/VAV Chilled Water System	\$10.00	1,000 Sq. Ft.		
20-17	Hotel Guestroom Energy Management Control (Gas Heat)	\$35.00	Room		

HVAC Gas

Select the HVAC system in operation at the project site (ask your contractor for assistance)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> AC with gas heat                          | <input type="checkbox"/> CV reheat no econ with Gas Engine Chiller   | <input type="checkbox"/> PTAC-HP                                   |
| <input type="checkbox"/> Air source heat pump                      | <input type="checkbox"/> CV reheat no econ with Water Cooled Chiller | <input type="checkbox"/> Refrigeration                             |
| <input type="checkbox"/> CV reheat econ with Air Cooled Chiller    | <input type="checkbox"/> Gas heat only                               | <input type="checkbox"/> VAV reheat econ with Air Cooled Chiller   |
| <input type="checkbox"/> CV reheat econ with Gas Engine Chiller    | <input type="checkbox"/> Ground source heat pump                     | <input type="checkbox"/> VAV reheat econ with Gas Engine Chiller   |
| <input type="checkbox"/> CV reheat econ with Water Cooled Chiller  | <input type="checkbox"/> MZS no econ with Air Cooled Chiller         | <input type="checkbox"/> VAV reheat econ with Water Cooled Chiller |
| <input type="checkbox"/> CV reheat no econ with Air Cooled Chiller | <input type="checkbox"/> PTAC  | <input type="checkbox"/> Water loop heat pump                      |

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

Total HVAC – Gas Incentives

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10/31/2013




**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.


## Hot Water & Laundry Incentive Worksheet

### Hot Water


Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
21-1	High Efficiency Indirect Domestic Hot Water Heating System 90% Efficient	\$1.25	MBH			<input type="checkbox"/>
21-2	Mid Efficiency Indirect Domestic Hot Water Heating System 84% Efficient	\$0.75	MBH			<input type="checkbox"/>
21-3	Gas Tankless Water Heater	\$150.00	Heater			<input type="checkbox"/>
21-4	High Efficiency Pool Heater (gas heat)	\$2.00	MBH			<input type="checkbox"/>

### Gas Storage Water Heater

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
21-5	≤ 75,000 Btu/hr, Mid-Efficiency (0.67 EF)	\$35.00	Heater			<input type="checkbox"/>
21-6	≤ 75,000 Btu/hr, High-Efficiency (0.80 EF)	\$85.00	Heater			<input type="checkbox"/>
21-7	> 75,000 Btu/hr, High-Efficiency (0.88 Thermal Efficiency)	\$150.00	Heater			<input type="checkbox"/>

### Laundry

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
21-8	High Efficiency Clothes Washer (Gas Water Heat, Electric Dryer)	\$50.00	Washer			<input type="checkbox"/>
21-9	High Efficiency Clothes Washer (Gas Water Heat, Gas Dryer)	\$50.00	Washer			<input type="checkbox"/>
21-10	Ozone Laundry	\$40.00	lb. Wash Capacity			<input type="checkbox"/>
21-11	Dry Cleaning Boiler Descale (Kettle-Type Boiler)	\$150.00	Boiler			
21-12	Dry Cleaning Boiler Descale (Tube-Type Boiler)	\$250.00	Boiler			

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures


Total Hot Water & Laundry Incentives

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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Insulation Incentive Worksheet

### Pipe Wrap

Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.


Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
22-1	Pipe Wrap - Steam Boiler	\$6.00	Linear Foot		
22-2	Pipe Wrap - Hot Water Boiler	\$4.00	Linear Foot		
22-3	Domestic Hot Water Pipe Wrap	\$2.00	Linear Foot		

### Greenhouse

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
22-4	Greenhouse Heat Curtain (\$ 0.20 per Sq. Ft.)	\$200.00	1,000 Sq. Ft.		
22-5	Greenhouse Infrared Film (\$ 0.10 per Sq. Ft.)	\$100.00	1,000 Sq. Ft.		

### Loading Dock Seals

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
22-6	Truck Loading Dock Seals (New Installation) (Reservation Application Required)	\$200.00	Door		
22-7	Truck Loading Dock Seals (Replacement)	\$100.00	Door		
22-8	Truck Loading Dock Leveler Ramp Air Pit Seals (New Installation)	\$100.00	Door		



### Miscellaneous Gas

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
22-9	Flat Roof Insulation (\$ 0.10 per Sq. Ft.)	\$100.00	1,000 Sq. Ft.		
22-10	Attic Roof Insulation (\$ 0.06 per Sq. Ft.)	\$60.00	1,000 Sq. Ft.		
22-11	Wall Insulation (Reservation Application Required)	\$450.00	1,000 Sq. Ft.		
22-12	Pool Covers	\$0.50	Square Foot		

## Process Gas Incentive Worksheet

### Process Gas

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
22-13	Furnace Tube Inserts	\$75.00	Insert		
22-14	High Efficiency Process Boiler (Water)	\$2.00	MBH		
22-15	High Efficiency Process Boiler (Steam)	\$2.00	MBH		
22-16	Tank Insulation - 1"	Low Temp (120°F – 170°F)	Square Foot		
22-17		High Temp (> 170°F)	Square Foot		
22-18	Tank Insulation - 2"	Low Temp (120°F – 170°F)	Square Foot		
22-19		High Temp (> 170°F)	Square Foot		
22-20	Air Compressor Exhaust Heat Recovery (Reservation Application Required)	\$25.00	HP		



**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

	Michigan-Made	All Measures
Total Insulation Incentives		
Total Process Gas Incentives		

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Boiler/Furnace Tune-Up Incentive Worksheet

### Tune-up Checklist

For additional Tune-Ups, complete the quantity information on this page and contact us for the **Addendum** worksheet

Site Name	Date of Tune-up
Manufacturer	Type (Hot Water Boiler, High/Low Pressure Steam Boiler, Furnace, RTU)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up

<input type="checkbox"/> Measure post combustion efficiency using electronic flue gas analyzer <input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures <input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls <input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces <input type="checkbox"/> Complete visual inspection of system piping and installation  <input type="checkbox"/> Include a copy of the combustion analyzer post test (boilers only)	<input type="checkbox"/> Check safety controls <input type="checkbox"/> Check adequacy of combustion air intake <input type="checkbox"/> Check for proper venting <input type="checkbox"/> Check Draft Control Dampers <input type="checkbox"/> Clean and inspect burner nozzles
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### Boiler Tune-Up

Ref #	Space Heating Boiler Tune-Up	Incentive	Unit	# of Units	Total Incentives
23-1	110 - 500 MBH	\$150.00	Unit		
23-2	501 - 1,200 MBH	\$250.00	Unit		
23-3	>1,200 MBH	\$350.00	Unit		
Ref #	Process Boiler Tune-Up	Incentive	Unit	# of Units	Total Incentives
23-4	< 3,000 MBH	\$350.00	Unit		
23-5	> 3,000 MBH	\$1,000.00	Unit		
Ref #	Domestic Hot Water Tune-Up	Incentive	Unit	# of Units	Total Incentives
23-6	≥ 199 MBH	\$75.00	Boiler		

### Furnace/RTU Tune-Up

Ref #	Equipment Size	Incentive	Unit	# of Units	Total Incentives
23-7	40 - 300 MBH	\$50	Unit		
23-8	301 - 500 MBH	\$100	Unit		
23-9	>500 MBH	\$150	Unit		

Boiler/Furnace Tune-Up

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

All Measures

Total Boiler/Furnace Tune-up Incentives


**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.




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## Food Service – Gas Incentive Worksheet

### Steam Cookers


Check the **Michigan-Made** box  **only** if the piece of equipment is for a full unit replacement and not a retrofit for which you are seeking an incentive, meets the Michigan-Made bonus specifications **and** you can provide the manufacturer affidavit.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
24-1	ENERGY STAR® Steam Cookers (5 Pan)	\$750.00	Cooker			<input type="checkbox"/>
24-2	ENERGY STAR® Steam Cookers (6 Pan)	\$900.00	Cooker			<input type="checkbox"/>


### Ovens

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
24-3	ENERGY STAR® Convection Ovens	\$300.00	Oven			<input type="checkbox"/>
24-4	Combination Ovens	\$900.00	Oven			<input type="checkbox"/>
24-5	Rack Oven Single	\$400.00	Oven			<input type="checkbox"/>
24-6	Rack Oven Double	\$800.00	Oven			<input type="checkbox"/>

### Fryers/Griddles

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
24-7	ENERGY STAR® Fryers	\$225.00	Fryer			<input type="checkbox"/>
24-8	Large Vat Fryer	\$300.00	Fryer			<input type="checkbox"/>
24-9	ENERGY STAR® Griddles	\$200.00	Griddle			<input type="checkbox"/>

### Miscellaneous

Ref #	Equipment Type	Incentive	Unit	# of Units		Total Incentive	
24-10	Pre-Rinse Sprayers (Gas Water Heat)	\$30.00	Sprayer				<input type="checkbox"/>
24-11	Night Covers (Vertical)*	\$0.75	Linear Ft. x Hrs/Day	Ft.	Hrs.		<input type="checkbox"/>

\* To calculate night cover incentive, multiply incentive x linear ft x hrs that night cover is used per day. May also be eligible for electric incentives for DTE Energy electric customers.

### Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive	
24-12	Commercial Kitchen Ventilation Hood with Demand Control	\$0.25	CFM			<input type="checkbox"/>

**NOTE:** Add or insert the measure reference number (left column) to all related specification sheets, invoices and other documentation.

Michigan-Made

All Measures

Total Food Service – Gas Incentives

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**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.



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## Custom Measures Worksheet Instructions

Use this information to help you complete your Custom Incentive Worksheet on the following page(s).

- For each individual type of equipment, use a separate "Item" box. For example: Do not combine different types of lighting under one item.
- If you have a lighting project: Before you begin the Custom portion of your Application, use our "Prescriptive or Custom?" worksheet (Page 26) to determine whether your project qualifies for a custom Application or should be submitted as a Prescriptive measure. Also, contact us if you have questions about how to calculate your "Before" and "After" retrofit operating hours; or how to calculate your gas savings, which must be entered manually on the custom page (in the electronic version, the Application will calculate electric savings).
- Under Before Retrofit and After Retrofit: Be as specific as possible with your description and quantities. This includes, but is not limited to: quantity, name, manufacturer, model number, size (ex: hp or kW or Btu/hr) for the existing and new equipment, as well as any other information that can help calculate the energy used by the equipment. **Write the "Reference Number" for each item on all specification sheets and invoices related to that specific item and attach to your Final Application.**
- Under "Hours of Operation" for both "Before" and "After" retrofit, provide a documented method for arriving at these figures. Submit your method of calculation with this Application.
- Insert the KW for the equipment for both "Before" and "After" retrofit.

- Under Your **Current Energy Cost** (\$ per unit), enter your average costs for the energy source – electricity, natural gas or both – that your measure will be saving. To determine your current annual cost for each energy source, use the formulae at right:

<b>Your Current Electricity Costs</b>	=	$\frac{\text{Sum of 12 consecutive monthly utility bills for electricity (\$)}}{\text{Sum of electricity used during the same 12 consecutive months as above (kWh)}}$
<b>Your Current Natural Gas Costs</b>	=	$\frac{\text{Sum of 12 consecutive monthly utility bills for natural gas (\$)}}{\text{Sum of natural gas used during the same 12 consecutive months as above (Ccf) X 1 Mcf/10 Ccf}}$

**NOTE:** Your natural gas bill is calculated in units of Ccf and must be converted to Mcf. The conversion formula is 10 Ccf = 1 Mcf and has been incorporated into the above equation for you.

- Next, separately calculate your **Annual Electric Savings** by using the following process. If you are using the electronic version, this will be calculated for you:
  - Enter the "Before" hours
  - Enter the "Before" KW
  - Multiply A x B
  - do the same for "After"
  - Subtract the new from the old.

This is the **Annual Electric Savings** to be entered on the form. For complex projects, provide a separate analysis showing how you determined the energy savings or contact us for assistance.

- Next, separately calculate your **Annual Natural Gas Savings** by Mcf (if applicable). Methods for calculating natural gas savings may vary. If possible, use the following process:
  - Show the Mcf used by the existing piece of equipment by providing 12 months of natural gas bills, metered data or a calculation, then:
  - Provide a calculation of the expected Mcf of the new equipment, then:
  - Subtract the new from the old.

This is the **Annual Natural Gas Savings** to be entered on the form.

- If you're using the interactive version of this Application, the **Calculated Incentive** will be entered for you. If you are using a paper version, determine your **Calculated Incentive** for each measure by multiplying the **Annual Electric Savings** by \$0.08/kWh and the **Annual Natural Gas Savings** by \$4.00/Mcf.
- Next, enter the **Measure Cost**. This is the cost of implementing a measure less any costs incurred to achieve non-energy related project benefits. Only costs associated with the rebated energy savings measure should be included in the **Measure Cost** (this cannot include internal labor cost), which is the basis for determining the simple payback period for custom measures, and is defined as either:
  - For end-of-life equipment replacement measures:** the cost difference between equipment meeting Program efficiency criteria and equipment meeting the minimum efficiency allowable by code or industry standard; or
  - For retrofit, early replacement and new technology measures:** the cost of new equipment, components or materials added to existing equipment for the purpose of improving its energy efficiency.

- If you're using the interactive version of this Application, the **Simple Payback Period** for each fuel type will be entered for you. If you are using a paper version, use the formulae shown on the worksheet pages to determine the payback by fuel type.

<b>Simple Payback Period</b>	=	$\frac{\text{Measure Cost}}{(\text{Annual kWh Saved} \times \text{Electricity Cost}) + (\text{Annual Mcf Saved} \times \text{Natural Gas Cost})}$
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- If you're using the interactive version of this Application, the **Total Calculated Incentives** at the bottom of the form will be entered for you. If you're using the paper version, first total the **Measure Cost** for all measures and enter that value in **Aggregate Measures Cost**. Then total all the individual measure **Calculated Incentives** and enter that in **Total Calculated Incentives**.
- Total Awarded Incentives are calculated at no more than 50% of the respective Measure Costs for electric and gas items.

**IMPORTANT: Check** the appropriate **Category** box (Lighting, HVAC-Gas, Process-Electric, etc.) for each item you list on the Custom worksheet(s).

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.



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## Prescriptive or Custom Incentive Worksheet

### Prescriptive or Custom?

Where does your lighting project fall?

Does your lighting project call for a Custom calculation — or does it fall within our Prescriptive measures?

To answer that question, follow these instructions:

#### Step 1:

Do the type of fixtures in your project match a Prescriptive measure in our Application?

**No:** Submit it as a Custom measure       **Yes:** Continue to Step 2.

#### Step 2:

- Enter your fixture "Before Retrofit" quantity (the existing condition) in the box below.
- Enter your fixture "After Retrofit" quantity (the new condition) in the box below.
- Follow the instructions in the orange box.

Enter "Before Retrofit" fixture quantity:

Enter "After Retrofit" fixture quantity:

Follow these instructions:

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Custom Incentive Worksheet

**IMPORTANT:** If you fail to complete each section, **check the appropriate category** or enter all required information, the worksheet will not calculate your incentive and carry the value to Page 6.

Must be submitted **BEFORE** project begins

See Instructions on Page 26 ("Custom Specifications"). Complete every blank box for each item you submit. Please attach all equipment specifications to your Reservation Application before you submit for review.

Ref# 27-1

Description							
Before Retrofit				After Retrofit			
Hours used per year (a)		kW (b)		Hours used per year (c)		kW (d)	

Elec.	Category	Gas
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	HVAC	<input type="checkbox"/>
<input type="checkbox"/>	Miscellaneous	
<input type="checkbox"/>	Process	<input type="checkbox"/>
<input type="checkbox"/>	Food Service	<input type="checkbox"/>
	Hot Water/Laundry	<input type="checkbox"/>
	Insulation	<input type="checkbox"/>

**Capped Measure Incentive**  
(from Total Awarded Incentive below)

Service	Unit	Current Energy Cost (\$ per Unit)	Annual Savings* (Units/Year) (A)	Incentive Rate (\$ per Unit) (B)	Calculated Incentive (A x B)	Measure Cost
Electric	kWh			\$0.08		
Natural Gas	Mcf			\$4.00		

\* For Electric projects use the following formula: (a x b) - (c x d). For natural gas projects, you must enter your own calculated Annual Savings and provide documentation.

Ref# 27-2

Description							
Before Retrofit				After Retrofit			
Hours used per year (a)		kW (b)		Hours used per year (c)		kW (d)	

Elec.	Category	Gas
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	HVAC	<input type="checkbox"/>
<input type="checkbox"/>	Miscellaneous	
<input type="checkbox"/>	Process	<input type="checkbox"/>
<input type="checkbox"/>	Food Service	<input type="checkbox"/>
	Hot Water/Laundry	<input type="checkbox"/>
	Insulation	<input type="checkbox"/>

**Capped Measure Incentive**  
(from Total Awarded Incentive below)

Service	Unit	Current Energy Cost (\$ per Unit)	Annual Savings* (Units/Year) (A)	Incentive Rate (\$ per Unit) (B)	Calculated Incentive (A x B)	Measure Cost
Electric	kWh			\$0.08		
Natural Gas	Mcf			\$4.00		

\* For Electric projects use the following formula: (a x b) - (c x d). For natural gas projects, you must enter your own calculated Annual Savings and provide documentation.

$$\text{Electric Simple Payback Period} = \frac{\text{Electric Aggregate Measure Cost}}{\text{Aggregate Annual kWh Saved} \times \text{Current Energy Cost}}$$

must be  $\geq 1$  to  $\leq 8$  years

$$\text{Gas Simple Payback Period} = \frac{\text{Gas Aggregate Measure Cost}}{\text{Aggregate Annual Mcf Saved} \times \text{Current Energy Cost}}$$

must be  $\geq 1$  year

		Aggregate Measure Cost	Aggregate Annual Savings	Current Energy Cost	Simple Payback Period*	Total Calculated Incentive	Total Awarded Incentive**
Total Custom Incentives (Includes values entered on pages 27-29)	Electric						
	Natural Gas						
Total Measure Cost						Total Custom Incentive	

**IMPORTANT NOTES:**

\* The **Simple Payback Period** must fall within the electric or gas parameters to qualify for an incentive (see formulae above). If the **Total Awarded Incentive** for either electric or gas displays **DNQ** (does not qualify), then the payback period fell outside of required parameters or the measure cost(s) or energy savings were missing.

\*\* **Total Awarded Incentives** for each utility are capped at no more than 50% of the **Total Measure Cost**. If one utility does not qualify for an incentive, the other utility is capped at no more than 50% of the **Aggregate Measure Cost** for that utility.

If you require assistance completing this section, contact our office.

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.



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## Custom Incentive Worksheet

**IMPORTANT:** If you fail to complete each section, **check the appropriate category** or enter all required information, the worksheet will not calculate your incentive and carry the value to Page 6.

Must be submitted BEFORE project begins

See Instructions on Page 26 ("Custom Specifications"). Complete every blank box for each item you submit. Please attach all equipment specifications to your Reservation Application before you submit for review.

Ref# 28-1

Description							
Before Retrofit				After Retrofit			
Hours used per year (a)		kW (b)		Hours used per year (c)		kW (d)	

Elec.	Category	Gas
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	HVAC	<input type="checkbox"/>
<input type="checkbox"/>	Miscellaneous	
<input type="checkbox"/>	Process	<input type="checkbox"/>
<input type="checkbox"/>	Food Service	<input type="checkbox"/>
	Hot Water/Laundry	<input type="checkbox"/>
	Insulation	<input type="checkbox"/>

Capped Measure Incentive
(from Total Awarded Incentive below)

Service	Unit	Current Energy Cost (\$ per Unit)	Annual Savings* (Units/Year) (A)	Incentive Rate (\$ per Unit) (B)	Calculated Incentive (A x B)	Measure Cost
Electric	kWh			\$0.08		
Natural Gas	Mcf			\$4.00		

\* For Electric projects use the following formula: (a x b) - (c x d). For natural gas projects, you must enter your own calculated Annual Savings and provide documentation.

Ref# 28-2

Description							
Before Retrofit				After Retrofit			
Hours used per year (a)		kW (b)		Hours used per year (c)		kW (d)	

Elec.	Category	Gas
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	HVAC	<input type="checkbox"/>
<input type="checkbox"/>	Miscellaneous	
<input type="checkbox"/>	Process	<input type="checkbox"/>
<input type="checkbox"/>	Food Service	<input type="checkbox"/>
	Hot Water/Laundry	<input type="checkbox"/>
	Insulation	<input type="checkbox"/>

Capped Measure Incentive
(from Total Awarded Incentive below)

Service	Unit	Current Energy Cost (\$ per Unit)	Annual Savings* (Units/Year) (A)	Incentive Rate (\$ per Unit) (B)	Calculated Incentive (A x B)	Measure Cost
Electric	kWh			\$0.08		
Natural Gas	Mcf			\$4.00		

\* For Electric projects use the following formula: (a x b) - (c x d). For natural gas projects, you must enter your own calculated Annual Savings and provide documentation.

$$\text{Electric Simple Payback Period} = \frac{\text{Electric Aggregate Measure Cost}}{\text{Aggregate Annual kWh Saved} \times \text{Current Energy Cost}}$$

must be  $\geq 1$  to  $\leq 8$  years

$$\text{Gas Simple Payback Period} = \frac{\text{Gas Aggregate Measure Cost}}{\text{Aggregate Annual Mcf Saved} \times \text{Current Energy Cost}}$$

must be  $\geq 1$  year

		Aggregate Measure Cost	Aggregate Annual Savings	Current Energy Cost	Simple Payback Period*	Total Calculated Incentive	Total Awarded Incentive**
Total Custom Incentives (Includes values entered on pages 27-29)	Electric						
	Natural Gas						
Total Measure Cost						Total Custom Incentive	

**IMPORTANT NOTES:**

\* The **Simple Payback Period** must fall within the electric or gas parameters to qualify for an incentive (see formulae above). If the **Total Awarded Incentive** for either electric or gas displays **DNQ** (does not qualify), then the payback period fell outside of required parameters or the measure cost(s) or energy savings were missing.

\*\* **Total Awarded Incentives** for each utility are capped at no more than 50% of the **Total Measure Cost**. If one utility does not qualify for an incentive, the other utility is capped at no more than 50% of the **Aggregate Measure Cost** for that utility.

If you require assistance completing this section, contact our office.

**IMPORTANT NOTE:** Use the reference numbers in the left column to identify and mark all related invoices, specification sheets and other documents related to that measure and submitted with this Application.

## Custom Incentive Worksheet

**IMPORTANT:** If you fail to complete each section, **check the appropriate category** or enter all required information, the worksheet will not calculate your incentive and carry the value to Page 6.

Must be submitted BEFORE project begins

See Instructions on Page 26 ("Custom Specifications"). Complete every blank box for each item you submit. Please attach all equipment specifications to your Reservation Application before you submit for review.

Ref# 29-1

Description							
Before Retrofit				After Retrofit			
Hours used per year (a)		kW (b)		Hours used per year (c)		kW (d)	

Elec.	Category	Gas
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	HVAC	<input type="checkbox"/>
<input type="checkbox"/>	Miscellaneous	
<input type="checkbox"/>	Process	<input type="checkbox"/>
<input type="checkbox"/>	Food Service	<input type="checkbox"/>
	Hot Water/Laundry	<input type="checkbox"/>
	Insulation	<input type="checkbox"/>

Capped Measure Incentive (from Total Awarded Incentive below)

Service	Unit	Current Energy Cost (\$ per Unit)	Annual Savings* (Units/Year) (A)	Incentive Rate (\$ per Unit) (B)	Calculated Incentive (A x B)	Measure Cost
Electric	kWh			\$0.08		
Natural Gas	Mcf			\$4.00		

\* For Electric projects use the following formula: (a x b) - (c x d). For natural gas projects, you must enter your own calculated Annual Savings and provide documentation.

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Description							
Before Retrofit				After Retrofit			
Hours used per year (a)		kW (b)		Hours used per year (c)		kW (d)	

Elec.	Category	Gas
<input type="checkbox"/>	Lighting	
<input type="checkbox"/>	HVAC	<input type="checkbox"/>
<input type="checkbox"/>	Miscellaneous	
<input type="checkbox"/>	Process	<input type="checkbox"/>
<input type="checkbox"/>	Food Service	<input type="checkbox"/>
	Hot Water/Laundry	<input type="checkbox"/>
	Insulation	<input type="checkbox"/>

Capped Measure Incentive (from Total Awarded Incentive below)

Service	Unit	Current Energy Cost (\$ per Unit)	Annual Savings* (Units/Year) (A)	Incentive Rate (\$ per Unit) (B)	Calculated Incentive (A x B)	Measure Cost
Electric	kWh			\$0.08		
Natural Gas	Mcf			\$4.00		

\* For Electric projects use the following formula: (a x b) - (c x d). For natural gas projects, you must enter your own calculated Annual Savings and provide documentation.

$$\text{Electric Simple Payback Period} = \frac{\text{Electric Aggregate Measure Cost}}{\text{Aggregate Annual kWh Saved} \times \text{Current Energy Cost}}$$

must be  $\geq 1$  to  $\leq 8$  years

$$\text{Gas Simple Payback Period} = \frac{\text{Gas Aggregate Measure Cost}}{\text{Aggregate Annual Mcf Saved} \times \text{Current Energy Cost}}$$

must be  $\geq 1$  year

		Aggregate Measure Cost	Aggregate Annual Savings	Current Energy Cost	Simple Payback Period*	Total Calculated Incentive	Total Awarded Incentive**
Total Custom Incentives (Includes values entered on pages 27-29)	Electric						
	Natural Gas						
Total Measure Cost						Total Custom Incentive	

**IMPORTANT NOTES:**

\* The **Simple Payback Period** must fall within the electric or gas parameters to qualify for an incentive (see formulae above). If the **Total Awarded Incentive** for either electric or gas displays **DNQ** (does not qualify), then the payback period fell outside of required parameters or the measure cost(s) or energy savings were missing.

\*\* **Total Awarded Incentives** for each utility are capped at no more than 50% of the **Total Measure Cost**. If one utility does not qualify for an incentive, the other utility is capped at no more than 50% of the **Aggregate Measure Cost** for that utility.

If you require assistance completing this section, contact our office.

## To submit your Reservation Application\*

1. **Complete the Application (Pages 2-4).**
  - a. Ensure that you have completed the Reservation Application checklist (Page 2).
  - b. Ensure that you have completed the Customer information (Page 3).
  - c. Ensure that you have completed the Contractor and, if applicable, Third Party Payment information (Page 4).

2. **Complete all relevant worksheets for your project.**  
**BEFORE YOU SUBMIT:** If the figure at right does not match the incentives you expected to request, please review your worksheets and the summary page (Page 6).

<b>Total Incentives Requested</b>

3. **Print and mail your Reservation Application to:**

**DTE Energy's Energy Efficiency Program for Business**

P.O. Box 11289  
Detroit, MI 48211

or

**Fax to:** 877.607.0744

or

[Submit electronically by clicking here](#)



\* A Reservation Application may not be required for your project, but is strongly encouraged to set aside funds. Submission of a Reservation Application does not guarantee that funds will be available.

## To submit your FINAL Application

1. **Complete or confirm all information in on Pages 2-4.**
2. **Complete and have account holder sign Final Application Agreement (Page 5)**
3. **Complete or confirm all relevant worksheets for your project.**  
**BEFORE YOU SUBMIT:** If the figure at right does not match the incentives you expected to request, please review your worksheets and the summary page (Page 6).

<b>Total Incentives Requested</b>

4. **Print and mail your FINAL Application to:**

**DTE Energy's Energy Efficiency Program for Business**

P.O. Box 11289  
Detroit, MI 48211

or

**Fax to:** 877.607.0744

or

[Submit electronically by clicking here](#)



There are values entered on a Custom Item without a Category selected. You **MUST** select a Category to receive an incentive

Mail, fax or email all manufacturers' specifications, detailed invoices and other supporting documents to our office. In your mailing, on your cover sheet or in your subject line, please include the customer name and project number: DTE-(year)(5-digit number). If you don't have a project number, make sure you enter your customer name.