



2017 Program Application

This Application is to be used for projects completed with a Final Application submitted during the 2017 Program Year (Jan. 1, 2017 - Nov. 30, 2017).

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* Some Prescriptive incentives and all Custom incentives require a Reservation Application prior to beginning your project.

If you have questions contact us at 866-796-0512 (press option 3) or email us at saveenergy@dteenergy.com

This Program is not available to DTE Energy business customers in multifamily buildings consisting of five or more units per building. These customers may be eligible to participate in the Multifamily Program for energy saving upgrades to both tenant and common areas.



2017 Special Incentives and Bonuses

DLC Listed Products

Customers who install DesignLights Consortium (DLC) listed products are eligible to receive higher incentives than non-DLC products. In order to receive a higher incentive, please apply for DLC-listed measures, which are highlighted in **orange**. In order to receive an incentive, you must list the DLC product ID in the field on the Application. You **must** attach DLC specification sheets to your Reservation Application. Always check the DLC site for the latest product information and listings.

Dual-Fuel Measures



Measures marked with this icon mean that they appear in both the gas and electric sections of the Application. If you are an electric and a gas customer of DTE Energy, then you may apply for these measures in both sections of the Application.

New Construction



Measures marked with this icon are eligible for the New Construction Program. When applying for New Construction measures, please indicate that you are completing a New Construction or Major Renovation project, as well as select your project type on page 3. Specifications for Systems Approach (prescriptive) measures have the same specifications listed in the Program Catalog; however, for new construction and major renovation projects, references to "replacing" equipment should be understood to mean installing "new" equipment.



Prescriptive and Custom Incentive Application Checklist

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

Application Number (if known) _____

Is this a revised Application? ☐ yes ☐ no

Is this a New Construction or Major Renovation Project? ☐ yes ☐ no

Project Type: ☐ New Construction ☐ Change of Use Renovation ☐ New Load ☐ LEED Design Review

Reservation Application

Fill out this side when reserving incentives

Required Attachments

- ☐ Customer Information 4
- ☐ Customer Tax ID Number 4
- ☐ Contractor Information 5
- ☐ DLC Product ID (For Applicable Measures)

NOTE: Some Prescriptive incentives and all Custom incentives require a Reservation Application prior to beginning your project.

Incentives Worksheets

- ☐ Lighting 8
- ☐ HVAC – Electric 12
- ☐ Miscellaneous Electric 19
- ☐ Process Electric 20
- ☐ Food Service – Electric 23
- ☐ HVAC – Gas 25
- ☐ Hot Water & Laundry 27
- ☐ Insulation 28
- ☐ Process Gas 28
- ☐ Boiler/Furnace Tune-up 30
- ☐ Food Service – Gas 31
- ☐ Custom 34
- ☐ Agriculture 37
- ☐ New Construction – Lighting Power Density 40
- ☐ LEED Design Review Assistance 42
- ☐ LEED Whole Building Approach 43
- ☐ Boiler/Furnace Tune-up Addendum 44

Reservation Application Date _____

Expected Completion Date** _____

** Project funds will only be reserved to the date specified on the Reservation Letter or Nov. 30, 2017, whichever comes first.

Final Application

Fill out this side when project is completed

Required Attachments

- ☐ Customer Information 4
- ☐ Contractor Information 5
- ☐ W9 Tax Information Form (payee)
- ☐ 3rd Party Payment Authorization* 5
- ☐ Signed Final Application Agreement 7
- ☐ Manufacturers' Specifications
- ☐ Itemized Invoices

Incentives Worksheets

- ☐ Lighting 8
- ☐ HVAC – Electric 12
- ☐ Miscellaneous Electric 19
- ☐ Process Electric 20
- ☐ Food Service – Electric 23
- ☐ HVAC – Gas 25
- ☐ Hot Water & Laundry 27
- ☐ Insulation 28
- ☐ Process Gas 28
- ☐ Boiler/Furnace Tune-up 30
- ☐ Food Service – Gas 31
- ☐ Custom 34
- ☐ Agriculture 37
- ☐ New Construction – Lighting Power Density 40
- ☐ LEED Design Review Assistance 42
- ☐ LEED Whole Building Approach 43
- ☐ Boiler/Furnace Tune-up Addendum 44

* If applicable.

Final Application Date _____

Actual Completion Date*** _____

***Application must be submitted within 60 days of completion date or by Nov. 30, 2017, whichever comes first.

Please check the appropriate box and fill in the date below for your Reservation or Final Application.

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 48 For Submission Instructions](#)



Customer Information

Who should we call with questions on the Application? ☐ Customer ☐ Contractor

How did you learn about this Incentive Program? ☐ Mailing ☐ Meeting ☐ Email ☐ Website ☐ Other _____

☐ Bill Insert ☐ Trade Ally/Contractor ☐ Print/TV Advertising ☐ Account Manager ☐ Michigan Saves

<input type="checkbox"/> Agriculture	<input type="checkbox"/> Mining/Construction	<input type="checkbox"/> Services
<input type="checkbox"/> Restaurants	<input type="checkbox"/> Auto (Manufacturing)	<input type="checkbox"/> Transportation, Communication and Utilities
<input type="checkbox"/> Petro Chemical, Rubber, and Plastic	<input type="checkbox"/> Government	<input type="checkbox"/> Other Manufacturing
<input type="checkbox"/> Universities	<input type="checkbox"/> Hospitals & Medical	<input type="checkbox"/> Fabricated Metals
<input type="checkbox"/> Schools	<input type="checkbox"/> Lodging	<input type="checkbox"/> Wholesale Trade
<input type="checkbox"/> Steel & Primary Metals	<input type="checkbox"/> Financial & Real Estate	<input type="checkbox"/> Other
<input type="checkbox"/> Retail (Food)	<input type="checkbox"/> Retail (Non Food)	

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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

IMPORTANT NOTES:

1. Complete the section below **ONLY** if the incentive payment is to be paid to a **SINGLE** entity other than the DTE Account Holder.
2. Do **NOT** use the section below, if payments are to be made to **MORE** than a single third-party.
3. For payments being made to **two or more third parties**, please check this box ☐, request a copy of the Third Party Addendum, have it signed by the DTE Account Holder and attach it to this Final Application.

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 (print name)

Title

Phone #

E-mail

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: ☐ Corporation (Inc., PC, Etc.) ☐ Exempt ☐ Partnership LLC ☐ Individual ☐ Government Agency

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

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

FOR OFFICIAL USE ONLY

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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.

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 or by Nov. 30, 2017, whichever comes first. Incomplete Applications, missing documents or Applications submitted after that date will result in the project being cancelled.
2. The Program has a limited budget. Applications will be processed until allocated funds are reserved or spent.
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.
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)	Ag Total (C)
Lighting			
Lighting Power Density			
HVAC – Electric			
Misc. Electric			
Process Electric			
Food Service – Electric			
HVAC – Gas			
Hot Water & Laundry			
Insulation			
Process Gas			
Boiler/Furnace Tune-Ups			
Food Service – Gas			
Farm Energy Audit			
Subtotals			
LEED Design Review			
LEED Whole Building			
Incentive Subtotal			
Other Special Offers			
Other Special Offer – Code:			
Other Special Offer – Code:			
Other Special Offer – Code:			
Total Incentives Requested			

NOTE: Agriculture-based businesses that are on a residential meter **cannot** use this Application. They **must** use the stand-alone Agriculture Application.

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. See page 2 of this application for instructions.

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 44 for submission instructions.

By signing this form, I agree to all terms and conditions listed on page 6.

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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Lighting

Lighting Incentive Worksheet

ENERGY STAR® Incandescent/Halogen/CFL to LED

NOTE: Screw-in lighting is not eligible for any Prescriptive incentives; see the Policies & Procedures Manual for details.

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
LL-3	LED Recessed Down Light Fixture	\$8.00	Fixture		

Interior Low Bay LED Fixtures (Reservation Application Required)

Ref #	Brief Description of Pre- and Post-Fixtures	# of Fixtures (A)	Pre-Upgrade Watts/Fixture (B)	Post-Upgrade Watts/Fixture (C)	Total kW Reduced (A x (B - C) / 1000) = (D)	Incentive \$/kW Reduced (E)	Total Incentive (D x E)
EX	4L 4'T12 to 2L 4' LED	5	112	50	.31	\$100.00	\$31.00
L-1						\$100.00	
L-2						\$100.00	
L-3						\$100.00	
L-4						\$100.00	
L-5						\$100.00	
DLC	Brief Description *	DLC Product ID					
L-1D						\$200.00	
L-2D						\$200.00	
L-3D						\$200.00	
L-4D						\$200.00	
L-5D						\$200.00	
L-6D						\$200.00	
L-7D						\$200.00	
L-8D						\$200.00	
L-9D						\$200.00	
L-10D						\$200.00	
L-11D						\$200.00	
L-12D						\$200.00	
L-13D						\$200.00	
L-14D						\$200.00	
L-15D						\$200.00	
L-16D						\$200.00	
L-17D						\$200.00	
L-18D						\$200.00	
L-19D						\$200.00	
L-20D						\$200.00	
L-21D						\$200.00	
L-22D						\$200.00	
L-23D						\$200.00	
L-24D						\$200.00	
L-25D						\$200.00	
L-26D						\$200.00	
L-27D						\$200.00	
L-28D						\$200.00	

* Specification sheets must be attached to the Reservation Application for all DLC lighting measures.

All Measures

Subtotal Lighting Incentives – Page 1

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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Lighting Incentive Worksheet (continued)

NOTE: Screw-in lighting is not eligible for any Prescriptive incentives; see the Policies & Procedures Manual for details.

Interior High Bay LED Fixtures (Reservation Application Required)

Ref #	Brief Description of Existing Fixture Model and New Fixture Model	# of Fixtures (A)	Pre-Upgrade Watts/ Fixture (B)	Post-Upgrade Watts/ Fixture (C)	Total Kilowatts Reduced (D) = (A x (B - C) / 1000)	Incentive/ kW Reduced (E)	Total Incentive (D x E)
EX	1L 400 W HID Fixtures to 1L LED Fixtures	5	455	250	1.025	\$125.00	\$128.13
LL-17						\$125.00	
LL-18						\$125.00	
LL-19						\$125.00	
DLC	Brief Description *	DLC Product ID					
LL-17D						\$250.00	
LL-18D						\$250.00	
LL-19D						\$250.00	
LL-73D						\$250.00	
LL-74D						\$250.00	
LL-75D						\$250.00	

Interior LED Fixtures (24/7 Operation) (Reservation Application Required)

Ref #	Brief Description of Existing Fixture Model and New Fixture Model	# of Fixtures (A)	Pre-Upgrade Watts/ Fixture (B)	Post-Upgrade Watts/ Fixture (C)	Total Kilowatts Reduced (D) = (A x (B - C) / 1000)	Incentive/ kW Reduced (E)	Total Incentive (D x E)
EX	1L 400 W HID Fixtures to 1L LED Fixtures	5	455	250	1.025	\$300.00	\$307.50
LL-34						\$300.00	
LL-35						\$300.00	
LL-36						\$300.00	
DLC	Brief Description *	DLC Product ID					
LL-78D						\$600.00	
LL-79D						\$600.00	
LL-80D						\$600.00	
LL-81D						\$600.00	
LL-82D						\$600.00	
LL-83D						\$600.00	

* Specification sheets must be attached to the Reservation Application for all DLC lighting measures.

All Measures

Subtotal Lighting Incentives – Page 2

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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Lighting

Lighting Incentive Worksheet (continued)

NOTE: Screw-in lighting is not eligible for any Prescriptive incentives; see the Policies & Procedures Manual for details.

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

Ref #	Equipment Type (Standard)		Incentive	Unit	# of Units	Total Incentive
LL-20	LED replacing	≤ 150W HID	\$10.00	Fixture		
LL-21		151W to 250W HID	\$17.00	Fixture		
LL-22		251W to 400W HID	\$27.00	Fixture		
Equipment Type (DLC Listed)*		DLC Product ID				
LL-20D	LED replacing	≤ 150W HID		\$20.00	Fixture	
LL-21D		151W to 250W HID		\$35.00	Fixture	
LL-22D		251W to 400W HID		\$55.00	Fixture	

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

Ref #	Equipment Type (Standard)		Incentive	Unit	# of Units	Total Incentive
LL-23	LED replacing	≤ 175W HID	\$25.00	Fixture		
LL-24		176W to 250W HID	\$37.00	Fixture		
LL-25		251W to 400W HID	\$60.00	Fixture		
Equipment Type (DLC Listed)*		DLC Product ID				
LL-23D	LED replacing	≤ 175W HID		\$50.00	Fixture	
LL-24D		176W to 250W HID		\$75.00	Fixture	
LL-25D		251W to 400W HID		\$120.00	Fixture	

Exit Sign Conversion

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
LL-29	LED Exit Signs Electronic Fixtures Retrofit or Replacement	\$12.50	Fixture		

Traffic Signal Conversion

Ref #	Equipment Type (Standard)	Incentive	Unit	# of Units	Total Incentive
LL-30	LED Auto Traffic Signals	\$10.00	Signal		
LL-31	LED Pedestrian Signals	\$7.00	Signal		
Equipment Type (DLC Listed)*		DLC Product ID			
LL-30D	LED Auto Traffic Signals		\$20.00	Signal	
LL-31D	LED Pedestrian Signals		\$15.00	Signal	

* Specification sheets must be attached to the Reservation Application for all DLC lighting measures.

All Measures

Subtotal Lighting Incentives – Page 3

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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Lighting Incentive Worksheet (continued)

Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
L0-1	Interior Occupancy Sensors	≤ 500 Watts Controlled	Sensor		
L0-2		> 500 Watts Controlled	Sensor		
L0-3	Interior Central Lighting Control (\$0.06 per Sq. Ft.)	\$600.00	10,000 Sq. Ft.		
L0-4	Interior Switching Controls for Multilevel Lighting (\$0.05 per Sq. Ft.)	\$500.00	10,000 Sq. Ft.		
L0-5	Interior Daylight Sensor Controls	\$0.06	Watt Controlled		
L0-6	Combination Occupancy and Daylight Sensor Controls	≤ 500 Watts Controlled	Sensor		
L0-7		> 500 Watts Controlled	Sensor		
L0-8	Stairwell Bi-Level Lighting Controls (Reservation required)	\$300.00	kW Controlled		
L0-9	Exterior HID Lighting Bi-level Control w/Override, 150W to 1000W HID	\$50.00	Fixture		
L0-10	Exterior Multi-Step Dimming Timing Controls	\$0.06	Watt Controlled		
L0-13	Exterior LED Lighting Bi-level Controls	\$35.00	Fixture		
L0-14	Garage LED Lighting Bi-level Controls	\$30.00	Fixture		
L0-15	Garage LED Lighting Bi-level Controls w/Photocell	\$65.00	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
L0-11	Tubular Skylights (Light Tubes)	\$35.00	Tube		

Food Service Lighting

Ref #	Equipment Type (Standard)	Incentive	Unit	# of Units	Total Incentive
LL-32	LED Refrigerated Case Door Lighting	\$15.00	Door		
LL-33	Occupancy Sensors for LED Refrigerated Case Lighting	\$15.00	Door		
	Equipment Type (DLC Listed)*	DLC Product ID			
LL-32D	LED Refrigerated Case Door Lighting	\$30.00	Door		

NOTE: The incentives for LL-32 and LL-33 cannot be combined with incentives for Refrigeration savings due to lighting wattage reductions. (See Page 24).

* Specification sheets must be attached to the Reservation Application for all DLC lighting measures.

All Measures

Subtotal Lighting Incentives – Page 4

Total Lighting 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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HVAC - Electric Incentive Worksheet

Air Conditioning Systems and Heat Pumps

Ref #	Equipment Type	Size Category	Qualifying Efficiency	Installed Efficiency	Unit Size (tons) (A)	Quantity (B)	Incentive per unit (C)	Incentive (A*B*C)
HE-1	Unitary and Split Air Conditioning Systems	≤ 65,000 Btu/hr (5.4 tons) – 1 Phase	14.0 SEER				\$10	
HE-2		≤ 65,000 Btu/hr (5.4 tons) – 3 Phase	14.0 SEER				\$10	
HE-3		> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)	12.0 EER				\$15	
HE-4		> 135,000 Btu/hr (11.3 tons), ≤ 240,000 Btu/hr (20 tons)	12.0 EER				\$15	
HE-5		> 240,000 Btu/hr (20 tons), ≤ 760,000 Btu/hr (63.3 tons)	10.3 EER				\$10	
HE-6		> 760,000 Btu/hr (63.3 tons)	9.7 EER				\$10	
HE-7	Air Source Heat Pumps	≤ 65,000 Btu/hr (5.4 tons) – 1 Phase	15.0 SEER				\$20	
HE-8		≤ 65,000 Btu/hr (5.4 tons) – 3 Phase	15.0 SEER				\$10	
HE-9		> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)	11.3 EER				\$20	
HE-10		> 135,000 Btu/hr (11.3 tons), ≤ 240,000 Btu/hr (20 tons)	10.9 EER				\$25	
HE-11		> 240,000 Btu/hr (20 tons)	10.3 EER				\$30	
HE-12	Closed Loop Water Source Heat Pump	≤ 17,000 Btu/hr (1.4 tons)	11.5 EER				\$10	
HE-13		> 17,000 Btu/hr (1.4 tons), ≤ 65,000 Btu/hr (5.4 tons)	12.3 EER				\$8	
HE-14		> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)	12.3 EER				\$8	
HE-15	Room Air Conditioners	≤ 14,000 Btu/hr (1.17 tons)	11.3 EER		N/A*		\$10	
HE-16		> 14,000 Btu/hr (1.17 tons)	11.2 EER		N/A*		\$25	
HE-17	Package Terminal Air Conditioner	ALL	9.2 EER				\$5	
HE-18	Package Terminal Heat Pump	ALL	9.0 EER				\$10	
HE-19	Ground-Source Heat Pump	≤ 135,000 Btu/hr (11.3 tons)	17 EER				\$22.50	
HE-20			19 EER				\$30	
HE-21	Ground-Source Heat Pump (replacing Air Source Heat Pump)	≤ 135,000 Btu/hr (11.3 tons)	17 EER				\$150	
HE-22			19 EER				\$175	

* Incentive is per Unit

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 |

All Measures

Subtotal HVAC – Electric Incentives – Page 1

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.



DTE Energy
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HVAC - Electric Incentive Worksheet

HVAC Controls

HVAC
Electric

Ref #	Measure Name	Size	Incentive	Unit	# of Units	Total Incentive
HE-23	Programmable Thermostat (Air Conditioning)	ALL	\$20.00	Thermostat		
HE-24	Chilled Water Reset with Pump on/off Control	ALL	\$5.00	1,000 Sq. Ft.		
HE-25	Setback-Setup Controls (Air Conditioning)*	ALL	\$18.00	1,000 Sq. Ft.		
HE-26	Hotel Guestroom Energy Management Control	Air Conditioning, Electric Heat	\$30.00	Room		
HE-27		Air Conditioning, Gas Heat	\$15.00	Room		
HE-28	Web enabled EMS (Electric) (Reservation required)	ALL	\$40.00	1,000 Sq. Ft.		
HE-29	Chilled Water Reset – Air Cooled	≤ 100 tons	\$1.00	Ton		
HE-30		> 100 tons, ≤ 200 tons	\$1.00	Ton		
HE-31		> 200 tons, ≤ 300 tons	\$1.00	Ton		
HE-32		> 300 tons, ≤ 400 tons	\$1.00	Ton		
HE-33		> 400 tons, ≤ 500 tons	\$1.00	Ton		
HE-34	Chilled Water Reset – Water Cooled	≤ 1,000 tons	\$1.00	Ton		
HE-35		> 1,000 tons, ≤ 2,000 tons	\$0.50	Ton		
HE-36		> 2,000 tons, ≤ 3,000 tons	\$0.50	Ton		

* Small office and assembly facilities not applicable

HVAC Occupancy Sensor for Large Office Building

Ref #	Measure Name	Size	Incentive	Unit	# of Units	Total Incentive
HE-37	With CV Chilled Water System	ALL	\$30.00	1,000 Sq. Ft.		
HE-38	With VAV Chilled Water System	ALL	\$5.00	1,000 Sq. Ft.		

Other HVAC

Ref #	Measure Name	Size	Incentive	Unit	# of Units	Total Incentive
HE-39	Variable Frequency Drive – VAV Supply or Return Air Fan	ALL	\$50.00	Fan HP		
HE-40	Variable Frequency Drive – Secondary Chilled Water Pump	ALL	\$50.00	Pump HP		
HE-41	Economizer	ALL	\$8.00	Ton		
HE-42	Cool Roof (\$0.02 per Sq. Ft.)	ALL	\$20.00	1,000 Sq. Ft. Roof Area		
HE-43	High Performance Glazing in Windows (\$0.30 per Sq.Ft.)	ALL	\$30.00	100 Sq.Ft. of Glazing		
HE-44	Window Film (\$0.30 per Sq. Ft.)	ALL	\$30.00	100 Sq. Ft. of Film		
HE-45	EC Motors on Small Commercial Furnaces replacing non-EC Motors	ALL	\$90.00	HP		
HE-46	Efficient Chilled Water Pump	ALL	\$35.00	HP		
HE-47	Efficient Hot Water Pump	ALL	\$35.00	HP		
HE-51	Variable Frequency Drive	Hot Water Pump	\$100.00	Pump HP		
HE-52		Primary Chilled Water Pump	\$100.00	Pump HP		
HE-53		Cooling Tower Fan	\$30.00	Fan HP		
HE-54		Condenser Water Pumps	\$60.00	Pump HP		

All Measures

Subtotal HVAC – Electric Incentives – Page 2



HVAC - Electric Incentive Worksheet

Tune-up Checklist

Site Name	Date of Tune-up
Manufacturer	Type (Ref. Charge/DX coil/Chiller)
Model Number	Annual Hours of Operation
Serial Number	Unit Size (Tons)
Company Performing Tune-up	Technician Performing Tune-up

Refrigerant Charging Correction on RTU AC

Unit must meet minimum efficiency per ASHRAE 90.1 2007, Table 6.8.1a (see appendix in Program Catalog)

Unit rated charge (psig)	Efficiency of unit (EER/SEER)	Unit existing charge (psig)	Charge unit adjusted to (psig +/- 20% of rated charge)
--------------------------	-------------------------------	-----------------------------	--

DX Condenser Coil Cleaning

Airflow Readings Before Cleaning (CFM)

Average of all readings: _____

Airflow Readings After Cleaning (CFM)

Average of all readings: _____

Chiller Tune-Up (check one)

☐ Space Cooling ☐ Process Cooling

- | | | |
|--|--|--|
| <input type="checkbox"/> Inspect and correct oil level and pressure at full load operation | <input type="checkbox"/> Check and repair economizer operation | <input type="checkbox"/> Check suction pressure and temp |
| <input type="checkbox"/> Clean the air-cooled condenser coil | <input type="checkbox"/> Validate suction temperature and pressure | <input type="checkbox"/> Validate low-pressure controls |
| <input type="checkbox"/> Check and adjust the system pressure | <input type="checkbox"/> Patch and wash coat as required | <input type="checkbox"/> Validate crankcase heater operation |
| <input type="checkbox"/> Inspect and/or replace filter | <input type="checkbox"/> Check for proper venting | <input type="checkbox"/> Clean water cooled chiller evaporator tubes (If performance warrants) |
| <input type="checkbox"/> Inspect and/or replace belt | <input type="checkbox"/> Check and repair evaporator condition | <input type="checkbox"/> Validate sub-cooling and superheat |
| <input type="checkbox"/> Check and repair the electrical contactors | <input type="checkbox"/> Validate compressor amp draw | <input type="checkbox"/> Inspect all refractory |
| <input type="checkbox"/> Check refrigerant temperature and pressure | <input type="checkbox"/> Validate supply motor amp draw | <input type="checkbox"/> Check safety controls |
| <input type="checkbox"/> Validate high pressure controls | <input type="checkbox"/> Validate condenser fan(s) amp draw | <input type="checkbox"/> Lubricate all motors and Check coupling alignment |
| <input type="checkbox"/> Clean water cooled chiller condenser tubes | <input type="checkbox"/> Check liquid line temperature | |

HVAC Tune-ups

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HE-48	Refrigerant charging correction on RTU AC	\$3.00	Ton		
HE-49	DX Condenser Coil Cleaning	\$3.00	Ton		
HE-50	Chiller Tune-up	\$3.00	Ton		

All Measures

Subtotal HVAC – Electric Incentives – Page 3

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.

























DTE Energy
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HVAC - Electric Incentive Worksheet

Air-Cooled Chillers

HVAC
Electric

Ref #	Equipment Type	Qualifying Full Load Efficiency (kW/ton)	Input Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Installed IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C)
 CH-1	Reciprocating Chiller	1.26		1.03				\$25	
 CH-2				0.90				\$25	
 CH-3				0.83				\$25	
 CH-4		1.14		1.05				\$25	
 CH-5				0.94				\$25	
 CH-6				0.82				\$25	
 CH-7				0.75				\$25	
 CH-8		1.05		0.96				\$25	
 CH-9				0.86				\$25	
 CH-10				0.75				\$25	
 CH-11				0.69				\$25	
 CH-12	Screw or Scroll Chiller	1.26		1.02				\$25	
 CH-13				0.97				\$25	
 CH-14				0.74				\$25	
 CH-15		1.14		1.05				\$25	
 CH-16				0.93				\$25	
 CH-17				0.88				\$25	
 CH-18				0.67				\$25	
 CH-19		1.05		0.96				\$25	
 CH-20				0.85				\$25	
 CH-21				0.80				\$25	
 CH-22				0.62				\$25	

NOTE: NOTE: kW/ton = 12 ÷ EER, kW/ton = 3.517 ÷ COP.

All Measures

Subtotal HVAC – Electric Incentives – Page 4

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.



DTE Energy®
Know Your Own Power®

HVAC
Electric

HVAC - Electric Incentive Worksheet

Water-Cooled Chillers - Centrifugal Chiller

Ref #	Capacity (A)	Qualifying Full Load Efficiency (kW/ton)	Installed Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Installed IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C)
CH-23	< 150 tons	0.56		0.34				\$45	
CH-24				0.4				\$40	
CH-25				0.43				\$35	
CH-26				0.46				\$30	
CH-27				0.53				\$25	
CH-28		0.63		0.38				\$30	
CH-29				0.45				\$25	
CH-30				0.48				\$20	
CH-31				0.51				\$15	
CH-32				0.6				\$10	
CH-33		0.7		0.42				\$20	
CH-34				0.5				\$15	
CH-35				0.53				\$10	
CH-36				0.57				\$5	
CH-37	150 – 300 tons	0.51		0.3				\$45	
CH-38				0.36				\$40	
CH-39				0.39				\$35	
CH-40				0.41				\$30	
CH-41				0.48				\$25	
CH-42		0.57		0.34				\$30	
CH-43				0.4				\$25	
CH-44				0.43				\$20	
CH-45				0.46				\$15	
CH-46				0.54				\$10	
CH-47		0.63		0.38				\$20	
CH-48				0.45				\$15	
CH-49				0.48				\$10	
CH-50				0.51				\$5	
CH-51	> 300 tons	0.46		0.28				\$45	
CH-52				0.33				\$40	
CH-53				0.35				\$35	
CH-54				0.37				\$30	
CH-55				0.44				\$25	
CH-56		0.52		0.31				\$30	
CH-57				0.37				\$25	
CH-58				0.39				\$20	
CH-59				0.42				\$15	
CH-60				0.49				\$10	
CH-61		0.58		0.35				\$20	
CH-62				0.41				\$15	
CH-63				0.44				\$10	
CH-64				0.47				\$5	

NOTE: NOTE: kW/ton = 12 ÷ EER, kW/ton = 3.517 ÷ COP.

All Measures

Subtotal HVAC – Electric Incentives – 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.



DTE Energy
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HVAC - Electric Incentive Worksheet

Water-Cooled Chillers - Screw or Scroll Chiller

HVAC
Electric

Ref #	Capacity (A)	Qualifying Full Load Efficiency (kW/ton)	Installed Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Installed IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C)
✕ CH-65	< 150 tons	0.63		0.38				\$50	
✕ CH-66				0.41				\$45	
✕ CH-67				0.44				\$40	
✕ CH-68				0.47				\$35	
✕ CH-69				0.5				\$30	
✕ CH-70				0.56				\$25	
✕ CH-71		0.71		0.43				\$40	
✕ CH-72				0.46				\$35	
✕ CH-73				0.5				\$30	
✕ CH-74				0.53				\$25	
✕ CH-75				0.56				\$20	
✕ CH-76				0.63				\$15	
✕ CH-77		0.79		0.47				\$30	
✕ CH-78				0.51				\$25	
✕ CH-79				0.55				\$20	
✕ CH-80				0.59				\$15	
✕ CH-81				0.62				\$10	
✕ CH-82	150 – 300 tons	0.57		0.34				\$50	
✕ CH-83				0.37				\$45	
✕ CH-84				0.4				\$40	
✕ CH-85				0.43				\$35	
✕ CH-86				0.45				\$30	
✕ CH-87				0.51				\$25	
✕ CH-88		0.65		0.39				\$40	
✕ CH-89				0.42				\$35	
✕ CH-90				0.45				\$30	
✕ CH-91				0.48				\$25	
✕ CH-92				0.51				\$20	
✕ CH-93				0.57				\$15	
✕ CH-94		0.72		0.43				\$30	
✕ CH-95				0.47				\$25	
✕ CH-96				0.5				\$20	
✕ CH-97				0.54				\$15	
✕ CH-98				0.57				\$10	

NOTE: NOTE: kW/ton = 12 ÷ EER, kW/ton = 3.517 ÷ COP.

All Measures

Subtotal HVAC – Electric Incentives – Page 6

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.



DTE Energy®
Know Your Own Power®

HVAC
Electric

HVAC - Electric Incentive Worksheet

Water-Cooled Chillers - Screw or Scroll Chiller (Continued)

Ref #	Capacity (A)	Qualifying Full Load Efficiency (kW/ton)	Installed Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Installed IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C)
✕ CH-99	> 300 tons	0.51		0.31				\$50	
✕ CH-100				0.33				\$45	
✕ CH-101				0.36				\$40	
✕ CH-102				0.38				\$35	
✕ CH-103				0.4				\$30	
✕ CH-104				0.46				\$25	
✕ CH-105		0.58		0.35				\$40	
✕ CH-106				0.37				\$35	
✕ CH-107				0.4				\$30	
✕ CH-108				0.43				\$25	
✕ CH-109				0.45				\$20	
✕ CH-110				0.51				\$15	
✕ CH-111		0.64		0.38				\$30	
✕ CH-112				0.42				\$25	
✕ CH-113				0.45				\$20	
✕ CH-114				0.48				\$15	
✕ CH-115				0.51				\$10	

NOTE: NOTE: kW/ton = 12 ÷ EER, kW/ton = 3.517 ÷ COP.

All Measures

Subtotal HVAC – Electric Incentives – Page 7

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.



DTE Energy
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Miscellaneous Electric Incentive Worksheet

Sensors and Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
ME-1	Intelligent Multi-Socket Surge Protector	\$5.00	Protector		
ME-2	PC Network Energy Management Controls	\$5.00	PC		

Clothes Washers

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
ME-3	High Efficiency Clothes Washer	Electric Water Heat, Electric Dryer	Washer		
ME-4		Electric Water Heat, Gas Dryer	Washer		

Miscellaneous Electric

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
ME-5	Heat Pump Storage Water Heater	\$350.00	Heater		
ME-6	Electric Tankless Water Heater	\$45.00	Heater		
ME-7	High Efficiency Hand Dryer	\$70.00	Dryer		

Misc.
Electric

All Measures

Total Miscellaneous 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.



DTE Energy®
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Process
Electric

Process Electric Incentive Worksheet

High Efficiency Pumps



Ref #	Equipment Type (A)	Incentive (B)	Incentive Unit	# of Pumps (C)	Total HP (A x C)	Total Incentive (A x B x C)
PE-1	1.5 HP	\$20.00	HP			
PE-2	2 HP	\$20.00	HP			
PE-3	3 HP	\$20.00	HP			
PE-4	5 HP	\$20.00	HP			
PE-5	7.5 HP	\$20.00	HP			
PE-6	10 HP	\$20.00	HP			
PE-7	15 HP	\$20.00	HP			
PE-8	20 HP	\$20.00	HP			

Variable Frequency Drive for Process



Ref #	Equipment Type	Size (A)	Incentive (B)	Incentive Unit	# of Pumps/Fans (C)	Total HP (A x C)	Total Incentive (A x B x C)
PE-9	Process Pumps	1.5 HP	\$50.00	HP			
PE-10		2 HP	\$50.00	HP			
PE-11		3 HP	\$50.00	HP			
PE-12		5 HP	\$50.00	HP			
PE-13		7.5 HP	\$50.00	HP			
PE-14		10 HP	\$50.00	HP			
PE-15		15 HP	\$50.00	HP			
PE-16		20 HP	\$50.00	HP			
PE-17		25 HP	\$50.00	HP			
PE-18		30 HP	\$50.00	HP			
PE-19		40 HP	\$50.00	HP			
PE-20		50 HP	\$50.00	HP			
PE-21	Process Fans (≤ 50 HP)		\$30.00	HP			
PE-22	VFD on Computer Room AC Supply Fans		\$150.00	HP			

All Measures

Subtotal Process Electric Incentives – Page 1

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.



DTE Energy
Know Your Own Power®

Process Electric Incentive Worksheet

Compressed Air

Process
Electric

Ref #	Equipment Type		Incentive	Unit	# of Units	Total Incentive
CA-23	Compressed Air Engineered Nozzle		\$50.00	Nozzle		
CA-24	Compressed Air Pressure Flow Controller – Reservation Application Required		\$4.00	HP		
CA-25	Compressed Air Audit with Leak Repair – Reservation Application Required prior to leak repair		\$35.00	CFM		
CA-26	VSD Air Compressor		\$80.00	HP		
CA-34	VSD Air Compressor <50HP		\$75.00	HP		
CA-27	Efficient Compressed Air Dryers	Refrigerated Cycling Thermal Mass	\$0.30	CFM		
CA-28		Refrigerated Variable Speed Compressor	\$1.00	CFM		
CA-29		Refrigerated Digital Scroll	\$1.00	CFM		
CA-30	Refrigerated Air Dryer replacing Desiccant Air Dryer		\$30.00	SCFM		
CA-31	No-Loss Condensate Drains		\$140.00	Drain		
CA-32	Compressed Air Storage Tank		\$25.00	HP		
CA-33	Variable Displacement Air Compressor		\$30.00	HP		
CA-35	Heated Desiccant Air Dryer	VSD Compressor	\$3.00	SCFM		
CA-36		VD Compressor	\$1.50	SCFM		
CA-37		LNL Compressor	\$2.00	SCFM		
CA-38	Blower Purge Desiccant Air Dryer	VSD Compressor	\$5.00	SCFM		
CA-39		VD Compressor	\$3.00	SCFM		
CA-40		LNL Compressor	\$3.00	SCFM		

All Measures

Subtotal Process Electric Incentives – Page 2

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.



DTE Energy®
Know Your Own Power®

Process
Electric

Process Electric Incentive Worksheet

Miscellaneous Process

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
PE-23	Industrial 3-Phase HF Battery Charger	1-shift operation	Charger		
PE-24		2-shift operation	Charger		
PE-25		3-shift operation	Charger		
PE-26	Electrically Commutated Plug Fans	In-Cabinet	Fan		
PE-27		Under-Cabinet	Fan		
PE-28	Computer Room Air Conditioning (CRAC) Units	<65 MBH SCOP: 2.86	Output MBH		
PE-29		65-240 MBH SCOP: 2.73	Output MBH		
PE-30		>240 MBH SCOP: 2.47	Output MBH		
PE-51	Computer Room Air Conditioner Air Side Economizer	<65 MBH	Output MBH		
PE-52		65-240 MBH	Output MBH		
PE-53		>240 MBH	Output MBH		
PE-60	Computer Room Air Conditioner Refrigerant Economizer	<65 MBH	Output MBH		
PE-61		65-240 MBH	Output MBH		
PE-62		>240 MBH	Output MBH		
PE-31	Barrel Wraps for Injection Molders & Extruders		Square Foot		
PE-32	Insulated Pellet Dryer Ducts	3" diameter	Linear foot		
PE-33		4" diameter	Linear foot		
PE-34		5" diameter	Linear foot		
PE-35		6" diameter	Linear foot		
PE-36		8" diameter	Linear foot		
PE-37	Tank Insulation – 1"	Low Temp (120°F – 170°F)	Square foot		
PE-38		High Temp (> 170°F)	Square foot		
PE-39	Tank Insulation – 2"	Low Temp (120°F – 170°F)	Square foot		
PE-40		High Temp (> 170°F)	Square foot		
PE-41	Electric Motors replacing Pneumatic (Air) Motors		HP		
PE-42	High Efficiency Welders (Reservation required)		Welder		
PE-43	Air Blowers Replacing Compressed Air Blow-off		HP		
PE-44	Electric Tools Replacing Pneumatic (Air) Tools		Tool		
PE-48	Cordless Electric Tools Replacing Pneumatic (Air) Tools (Reservation Required)		Tool		
PE-45	Fiber Laser Cutter Replacing CO2 Laser Cutter		Output kW		
PE-46	Injection Molding Machines Replacing Hydraulic Injection Molding Machines	All-Electric	Ton		
PE-47		Hybrid	Ton		

All Measures

Subtotal Process Electric Incentives – Page 3

Total Process 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.



DTE Energy
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Food Service - Electric and Refrigeration Incentive Worksheet

ENERGY STAR® Commercial Solid Door Refrigerators and Freezers

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

Food Service
- Electric

ENERGY STAR® Steam Cookers and Hot Holding Cabinets

Ref #	Equipment Type	Type	Incentive	Unit	# of Units	Total Incentive
FE-9	Steam Cookers	3 Pan	\$900.00	Cooker		
FE-10		4 Pan	\$1,200.00	Cooker		
FE-11		5 Pan	\$1,500.00	Cooker		
FE-12		6 Pan	\$1,800.00	Cooker		
FE-13	Hot Holding Cabinets	Half Size	\$300.00	Cabinet		
FE-14		Three Quarter Size	\$400.00	Cabinet		
FE-15		Full Size	\$600.00	Cabinet		

Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-16	Beverage Vending Machine Controllers	\$50.00	Controller		
FE-17	Anti-Sweat Heater Controls	\$50.00	Door		
FE-18	Floating Head Pressure Controls	\$20.00	Ton		

ENERGY STAR® Ice Machines

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-19	< 500 lbs	\$150.00	Machine		
FE-20	500 to 1,000 lbs	\$250.00	Machine		
FE-21	> 1,000 lbs	\$500.00	Machine		

All Measures

Subtotal Food Service – Electric and Refrigeration Incentives – Page 1

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.



DTE Energy®
Know Your Own Power®

Food Service - Electric and Refrigeration Incentive Worksheet

Refrigeration

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-22	Efficient Refrigeration Condenser	\$100.00	Ton		
FE-23	ECM Motor for Reach-in Refrigerated Display Case	\$60.00	Motor		
FE-24	ECM Motor for Walk-in Cooler and Freezer	\$80.00	Motor		
FE-25	Evaporator Fan Motor Control on ECM Motors for Walk-in Coolers and Freezers	\$30.00	Controller		
FE-26	Evaporator Fan Motor Control on PSC Motors for Walk-in Coolers and Freezers	\$30.00	Controller		
FE-27	Walk-in Cooler/Freezer Evaporator Fan Motor Reduction (Reservation required)	\$100.00	Motor Removed		
FE-28	Night Covers (Vertical)*	\$1.25	Linear Foot x Hrs/Day	Ft. Hrs.	
FE-29	Strip Curtains on Walk-in Cooler Doors	\$3.00	Square Foot		
FE-30	Strip Curtains on Walk-in Freezer Doors	\$15.00	Square Foot		
FE-31	Door Gaskets on Coolers and Freezers	\$2.50	Linear Foot		
FE-32	Automatic Door Closers for Refrigerated Walk-in Coolers/Freezers Doors (Reservation required)	\$50.00	Door		
FE-33	Reach-in Refrigerated Display Case Door Retrofit (Reservation required)	Medium Temp	\$40.00	Linear Foot	
FE-34		Low Temp	\$100.00	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
FE-35	Refrigerated Savings due to Lighting Savings	-20°F – 0°F	\$0.15	Lighting watt reduced	
FE-36		0°F – 20°F	\$0.10	Lighting watt reduced	
FE-37		20°F – 40°F	\$0.07	Lighting watt reduced	

NOTE: These food service lighting incentives due to wattage reductions cannot be combined with incentives for Food Service Lighting on Page 11.

These lighting measures can be found on Page 11:

Food Service Lighting

Ref #	Equipment Type (Standard)	Incentive	Unit
LL-32	LED Refrigerated Case Door Lighting	\$15.00	Door
LL-33	Occupancy Sensors for LED Refrigerated Case Lighting	\$15.00	Door
Equipment Type (DLC Listed)*			
LL-32D	LED Refrigerated Case Door Lighting	\$30.00	Door

Miscellaneous

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-38	Pre-Rinse Sprayers (Electric Water Heat)	\$30.00	Sprayer		

All Measures

Subtotal Food Service – Electric and Refrigeration Incentives – Page 2

Total Food Service – Electric and Refrigeration 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.



DTE Energy
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HVAC - Gas Incentive Worksheet

Boilers and Furnaces

HVAC
Gas

Ref #	Equipment Type	Equipment Size Output MBH	Incentive	Unit	# of Units	Total Incentive
HG-1	Boiler Modulating Burner Control Retrofit		\$1,250.00	Boiler		
HG-2	Boiler Water Reset Control Retrofit		\$0.50	Input MBH		
HG-3	High Efficiency Furnace/	95% Efficient	\$200.00	Furnace		
HG-4	Unit Heater	92% Efficient	\$100.00	Furnace		
HG-5	High Efficiency Boilers (Space Heating)		\$0.50	Input MBH		
HG-6	Leaking Steam Trap Repair or Replacement		\$100.00	Trap		
HG-41	Steam Trap Monitoring System- Space Heating		\$15.00	Trap		
HG-32	Boiler O ₂ Trim Control		\$0.15	Input MBH		
HG-33	Linkageless Boiler Control		\$0.25	Input MBH		
HG-34	Boiler Linkageless Controls and O ₂ Trim Control		\$0.35	Input MBH		
HG-38	Boiler Stack Economizer	80°F – <120°F Reduction	\$0.10	Input MBH		
HG-39		≥120° – <200°F Reduction	\$0.15	Input MBH		
HG-40		≥200° Reduction	\$0.30	Input MBH		

Other HVAC

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HG-7	Infrared Heaters	\$2.00	Input MBH		
HG-8	Variable Frequency Drive on Secondary Chilled Water Pump	\$2.00	Pump HP		
HG-9	Destratification Fans (Reservation Application Required)	\$35.00	1,000 Sq. Ft.		
HG-10	Direct Fired Make-Up Air Units	\$1.00	Input MBH		
HG-11	Outside Air Ventilation Reduction (Reservation Application Required)	\$1.00	CFM Reduced		
HG-35	Sensible Energy Recovery Ventilation	\$0.30	CFM		
HG-36	Total Energy Recovery Ventilation	\$0.70	CFM		
HG-37	Automatic High-Speed Doors	\$0.35	Square Foot		

All Measures

Subtotal HVAC – Gas Incentives – Page 1

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.



DTE Energy®
Know Your Own Power®

HVAC
Gas

HVAC Gas Incentive Worksheet

HVAC Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HG-12	Programmable Thermostat (Gas Heat)	\$20.00	Thermostat		
HG-13	Chilled Water Reset with Pump on/off Control (\$0.005 per Sq. Ft.)	\$5.00	1,000 Sq. Ft.		
HG-14	Setback/Setup Controls (Gas Heat)	\$20.00	1,000 Sq. Ft.		
HG-15	Demand Controlled Ventilation CO ₂ Sensor-based (\$0.012 per Sq. Ft.)	\$12.00	1,000 Sq. Ft.		
HG-16	HVAC Occupancy Sensor, Large Office Building	w/CV Chilled Water System	\$20.00	1,000 Sq. Ft.	
HG-17		w/VAV Chilled Water System	\$10.00	1,000 Sq. Ft.	
HG-18	Hotel Guestroom Energy Management Control (Gas Heat)	\$35.00	Room		
HG-19	Web-enabled EMS (gas)	\$100.00	1,000 Sq. Ft.		

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 |

All Measures

Subtotal HVAC – Gas Incentives – Page 2

Total HVAC – 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.



DTE Energy
Know Your Own Power®

Hot Water & Laundry Incentive Worksheet

Hot Water

Ref #	Equipment Type			Incentive	Unit	# of Units	Total Incentive
WG-1	High Efficiency Indirect Domestic Hot Water Heating System 90% Efficient			\$1.25	Input MBH		
WG-2	Mid Efficiency Indirect Domestic Hot Water Heating System 84% Efficient			\$0.75	Input MBH		
WG-3	Gas Tankless Water Heater			\$150.00	Heater		
WG-4	High Efficiency Pool Heater (gas heat)			\$2.00	Input MBH		
WG-5	Low-Flow Sink Aerators (\leq 1.0 GPM on a gas hot water system)			\$4.00	Aerator		
WG-6	Low-Flow Showerheads			\$7.00	Showerhead		
WG-14	Laminar Flow Restrictors (\leq 2GPM)			\$4.00	Restrictor		
WG-15	Condenser Heat Recovery DWH	HVAC Cooling	Water-Cooled	\$50.00	Ton		
WG-16			Air-Cooled	\$60.00	Ton		
WG-17		Process Cooling	Water-Cooled	\$80.00	Ton		
WG-18			Air-Cooled	\$100.00	Ton		




Gas Storage Water Heater (\leq 55 Gallons)

Ref #	Equipment Type			Incentive	Unit	# of Units	Total Incentive
WG-7	\leq 75,000 Btu/hr, Mid-Efficiency (\geq 0.67 EF)			\$35.00	Heater		
WG-8	\leq 75,000 Btu/hr, High-Efficiency (\geq 0.80 EF)			\$45.00	Heater		

Gas Storage Water Heater ($>$ 55 Gallons)

Ref #	Equipment Type			Incentive	Unit	# of Units	Total Incentive
WG-9	\leq 75,000 Btu/hr, High-Efficiency (\geq 0.80 EF)			\$85.00	Heater		
WG-10	$>$ 75,000 Btu/hr, High-Efficiency (\geq 0.94 Thermal Efficiency)			\$150.00	Heater		

Laundry

	Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
	WG-11	High Efficiency Clothes Washer	Gas Water Heat, Electric Dryer	\$25.00	Washer	
	WG-12		Gas Water Heat, Gas Dryer	\$50.00	Washer	
	WG-13	Ozone Laundry		\$20.00	lb. Wash Capacity	

All Measures

Total Hot Water & Laundry 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.



DTE Energy®
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Insulation

Insulation Incentive Worksheet

Pipe Wrap

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-1	Steam Boiler	\$5.00	Linear Foot		
IG-2	Steam Boiler Condensate Return	\$2.00	Linear Foot		
IG-3	Hot Water Boiler	\$3.00	Linear Foot		
IG-4	Domestic Hot Water	\$1.00	Linear Foot		

Greenhouse



Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-5	Greenhouse Heat Curtain	\$0.10	Square Foot		
IG-6	Greenhouse Infrared Film	\$0.10	Square Foot		

Loading Dock Seals



Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-7	Truck Loading Dock Seals (New Installation) (Reservation Application Required)	\$200.00	Door		
IG-8	Truck Loading Dock Seals (Replacement)	\$100.00	Door		
IG-9	Truck Loading Dock Leveler Ramp Air Pit Seals (New Installation)	\$100.00	Ramp		

Miscellaneous Gas



Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-10	Flat Roof Insulation (\$ 0.05 per Sq. Ft.)	\$50.00	1,000 Sq. Ft.		
IG-11	Attic Roof Insulation (\$ 0.06 per Sq. Ft.)	\$60.00	1,000 Sq. Ft.		
IG-12	Wall Insulation (Reservation Application Required)	\$300.00	1,000 Sq. Ft.		
IG-13	Pool Covers	\$0.50	Square Foot		

All Measures

Total Insulation 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.



DTE Energy
Know Your Own Power®

Process Gas Incentive Worksheet

Process Gas

Process
Gas

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
PG-14	Furnace Tube Inserts	\$30.00	Insert		
PG-15	High Efficiency Process Boiler	Water	Input MBH		
PG-16		Steam	Input MBH		
PG-17	Tank Insulation – 1"	Low Temp (120°F – 170°F)	Square Foot		
PG-18		High Temp (> 170°F)	Square Foot		
PG-19	Tank Insulation – 2"	Low Temp (120°F – 170°F)	Square Foot		
PG-20		High Temp (> 170°F)	Square Foot		
PG-21	Air Compressor Exhaust Heat Recovery (Reservation Application Required)		HP		
PG-22	Process Boiler Stack Economizer	80°F – <120°F Reduction	Input MBH		
PG-23		≥120° – <200°F Reduction	Input MBH		
PG-24		≥200° Reduction	Input MBH		
PG-25	Modulated Boiler Control for Process		Input MBH		
PG-26	Regenerative/Recuperative Thermal Oxidizer	2 shift Retrofit	CFM		
PG-27		3 shift Retrofit	CFM		
PG-28	Regenerative Thermal Oxidizer	2 shift NC	CFM		
PG-29		3 shift NC	CFM		
PG-30	Optimized Snow and Ice Melt Controls - with idle mode		Square Foot		
PG-31	Steam Trap Monitoring System – Process Heat	≤15 PSI	Trap		
PG-32		>15 – <30 PSI	Trap		
PG-33		30 – <75 PSI	Trap		
PG-34		75 – <125 PSI	Trap		
PG-35		125 – <175 PSI	Trap		
PG-36		175 – <250 PSI	Trap		
PG-37		250 – 300 PSI	Trap		

All Measures

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.



DTE Energy®
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Boiler/Furnace Tune-Up Incentive Worksheet

Tune-up Checklist

Site Name _____	Date of Tune-up _____
Manufacturer _____	Service (Space Heating, Process, Domestic Hot Water) _____
Model Number _____	Annual Hours of Operation _____
Serial Number _____	Unit Input Capacity (MBH) _____
Company Performing Tune-up _____	Technician Performing Tune-up _____

- ☐ Measure post combustion efficiency using electronic flue gas analyzer
- ☐ Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures
- ☐ Adjust burner and gas input, manual or motorized draft controls
- ☐ Clean burners, combustion chamber and heat exchanger surfaces
- ☐ Complete visual inspection of system piping and installation
- ☐ Check safety controls

- ☐ Check adequacy of combustion air intake
- ☐ Check for proper venting
- ☐ Check Draft Control Dampers
- ☐ Clean and inspect burner nozzles
- ☐ Include a copy of the combustion analyzer post test (boilers only)

To enter additional Boiler/Furnace Tune-up information, enter the quantity(ies) below, and then enter the information on the addendum, beginning on Page 44.

Boiler Tune-Up

Ref #	Space Heating Boiler Tune-Up	Incentive	Unit	# of Units	Total Incentives
HG-21	110 – 500 Input MBH	\$50.00	Boiler		
HG-22	501 – 1,200 Input MBH	\$200.00	Boiler		
HG-23	> 1,200 Input MBH	\$350.00	Boiler		
Ref #	Process Boiler Tune-Up	Incentive	Unit	# of Units	Total Incentives
HG-24	≤ 3,000 Input MBH	\$350.00	Boiler		
HG-25	>3,000 – <6,000 Input MBH	\$1,000.00	Boiler		
HG-26	≥6,000 – <10,000 Input MBH	\$1,500.00	Boiler		
HG-27	≥10,000 Input MBH	\$2,000.00	Boiler		
Ref #	Domestic Hot Water Tune-Up	Incentive	Unit	# of Units	Total Incentives
HG-28	≥ 199 Input MBH	\$75.00	Boiler		

Furnace/RTU Tune-Up

Ref #	Equipment Size	Incentive	Unit	# of Units	Total Incentives
HG-29	40 – 300 Input MBH	\$25.00	Furnace/RTU		
HG-30	301 – 500 Input MBH	\$50.00	Furnace/RTU		
HG-31	> 500 Input MBH	\$100.00	Furnace/RTU		

Process Furnace/Burner Tune-Up

Ref #	Equipment Size	Incentive	Unit	# of Units	Total Incentives
HG-42	Process Furnace/Burner Tune-Ups	≤ 3,000 MBH	Burner		
HG-43		> 3,000 – < 6,000 MBH	Burner		
HG-44		≥ 6,000 – < 10,000 MBH	Burner		
HG-45		>10,000 MBH	Burner		

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.



DTE Energy
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Food Service - Gas Incentive Worksheet

Steam Cookers

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FG-1	ENERGY STAR® Steam Cookers (5 Pan)	\$1,500.00	Cooker		
FG-2	ENERGY STAR® Steam Cookers (6 Pan)	\$1,800.00	Cooker		

Ovens

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FG-3	ENERGY STAR® Convection Ovens	\$500.00	Oven		
FG-4	Combination Ovens	\$1,800.00	Oven		
FG-5	Rack Oven Single	\$800.00	Oven		
FG-6	Rack Oven Double	\$1,600.00	Oven		
FG-19	Infrared Charbroiler	\$5.00	Input MBH		
FG-20	Infrared Rotisserie Oven	\$3.00	Input MBH		
FG-21	Infrared Salamander Broiler	\$4.00	Input MBH		
FG-22	Infrared Upright Broiler	\$5.00	Input MBH		

Fryers/Griddles

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FG-7	ENERGY STAR® Fryers	\$500.00	Fryer		
FG-8	Large Vat Fryer	\$600.00	Fryer		
FG-9	ENERGY STAR® Griddles	\$400.00	Griddle		

Miscellaneous

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FG-10	Pre-Rinse Sprayers (Gas Water Heat)	\$30.00	Sprayer		
FG-11	Night Covers (Vertical)*	\$0.75	Linear Foot x Hrs/Day	Ft. Hrs.	
FG-12	Refrigeration Condenser	Domestic Water Heating	\$35.00	Ton	
FG-13	Waste Heat Recovery	Space Heating	\$75.00	Ton	
FG-14	Reach-in Refrigerated	Medium Temp	\$20.00	Linear Foot	
FG-15	Display Case Door Retrofit	Low Temp	\$25.00	Linear Foot	
FG-17	ENERGY STAR® Dishwasher	Commercial	\$250.00	Dishwasher	
FG-18		Under Counter	\$45.00	Dishwasher	
FG-23	Pasta Cooker	\$7.00	Input MBH		

* 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
FG-16	Commercial Kitchen Ventilation Hood with Demand Control	\$0.50	CFM		

All Measures

Total Food Service – Gas Incentives



Custom Measures Worksheet Instructions - Reservation Application Required

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 33) 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: **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.

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

- 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 \$0.07/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.

Simple Payback Period	=	Aggregate Measure Cost (Annual kWh Saved x Electricity Cost) + (Annual Mcf Saved x Natural Gas Cost)
-----------------------	---	---

- 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).



Prescriptive or Custom Incentive Worksheet

Prescriptive or Custom?

Where does your lighting project fall?

Custom

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.



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Custom

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 7.

Reservation Application must be submitted BEFORE project begins

See Instructions on Page 32. Complete every blank box for each item you submit.

Please attach all equipment specifications to your Reservation Application before you submit for review.

Ref# CU-1

Location (department, area, etc.) _____

Description											
Before Retrofit						After Retrofit					
"Before" hours of operation calculation for this specific equipment						"After" hours of operation calculation for this specific equipment					
Hours/week		Weeks/year		Non-work days/year		Hours/week		Weeks/year		Non-work days/year	
Hours used per year (a)			kW (b)			Hours used per year (c)			kW (d)		

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			\$0.07		
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# CU-2

Location (department, area, etc.) _____

Description											
Before Retrofit						After Retrofit					
"Before" hours of operation calculation for this specific equipment						"After" hours of operation calculation for this specific equipment					
Hours/week		Weeks/year		Non-work days/year		Hours/week		Weeks/year		Non-work days/year	
Hours used per year (a)			kW (b)			Hours used per year (c)			kW (d)		

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			\$0.07		
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.

Only DLC-listed lighting is eligible for custom incentives. Other conditions and restrictions apply. See the Policies & Procedures Manual for more information.

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"/>

Will the "After Retrofit" specific piece of equipment listed here be in operation during the hours of 3–6 p.m. on Monday–Friday in the month of July?

☐ Yes ☐ No

Capped Measure Incentive
(from Total Awarded Incentive below)

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"/>

Will the "After Retrofit" specific piece of equipment listed here be in operation during the hours of 3–6 p.m. on Monday–Friday in the month of July?

☐ Yes ☐ No

Capped Measure Incentive
(from Total Awarded Incentive below)

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

must be ≥ 1 to ≤ 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 ≥ 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 30-32)	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.



DTE Energy
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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 7.

Custom

Reservation Application must be submitted BEFORE project begins

See Instructions on Page 32. Complete every blank box for each item you submit.
Please attach all equipment specifications to your Reservation Application before you submit for review.

Ref# CU-3 Location (department, area, etc.) _____

Description											
Before Retrofit						After Retrofit					
"Before" hours of operation calculation for this specific equipment						"After" hours of operation calculation for this specific equipment					
Hours/week		Weeks/year		Non-work days/year		Hours/week		Weeks/year		Non-work days/year	
Hours used per year (a)			kW (b)			Hours used per year (c)			kW (d)		

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			\$0.07		
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# CU-4 Location (department, area, etc.) _____

Description											
Before Retrofit						After Retrofit					
"Before" hours of operation calculation for this specific equipment						"After" hours of operation calculation for this specific equipment					
Hours/week		Weeks/year		Non-work days/year		Hours/week		Weeks/year		Non-work days/year	
Hours used per year (a)			kW (b)			Hours used per year (c)			kW (d)		

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			\$0.07		
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.

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

must be ≥ 1 to ≤ 8 years

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

must be ≥ 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 30-32)	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.

Only DLC-listed lighting is eligible for custom incentives. Other conditions and restrictions apply. See the Policies & Procedures Manual for more information.

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"/>

Will the "After Retrofit" specific piece of equipment listed here be in operation during the hours of 3–6 p.m. on Monday–Friday in the month of July?

☐ Yes ☐ No

Capped Measure Incentive
(from Total Awarded Incentive below)

--

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"/>

Will the "After Retrofit" specific piece of equipment listed here be in operation during the hours of 3–6 p.m. on Monday–Friday in the month of July?

☐ Yes ☐ No

Capped Measure Incentive
(from Total Awarded Incentive below)

--

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.



DTE Energy®
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Custom

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 7.

Reservation Application must be submitted BEFORE project begins

See Instructions on Page 32. Complete every blank box for each item you submit.

Please attach all equipment specifications to your Reservation Application before you submit for review.

Ref# CU-5

Location (department, area, etc.) _____

Description											
Before Retrofit						After Retrofit					
"Before" hours of operation calculation for this specific equipment											
Hours/week		Weeks/year		Non-work days/year		Hours/week		Weeks/year		Non-work days/year	
Hours used per year (a)			kW (b)			Hours used per year (c)			kW (d)		

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			\$0.07		
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# CU-6

Location (department, area, etc.) _____

Description											
Before Retrofit						After Retrofit					
"Before" hours of operation calculation for this specific equipment											
Hours/week		Weeks/year		Non-work days/year		Hours/week		Weeks/year		Non-work days/year	
Hours used per year (a)			kW (b)			Hours used per year (c)			kW (d)		

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			\$0.07		
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.

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

must be ≥ 1 to ≤ 8 years

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

must be ≥ 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 30-32)	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.

Only DLC-listed lighting is eligible for custom incentives. Other conditions and restrictions apply. See the Policies & Procedures Manual for more information.

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"/>

Will the "After Retrofit" specific piece of equipment listed here be in operation during the hours of 3–6 p.m. on Monday–Friday in the month of July?

☐ Yes ☐ No

Capped Measure Incentive
(from Total Awarded Incentive below)

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"/>

Will the "After Retrofit" specific piece of equipment listed here be in operation during the hours of 3–6 p.m. on Monday–Friday in the month of July?

☐ Yes ☐ No

Capped Measure Incentive
(from Total Awarded Incentive below)

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.



DTE Energy
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2017 Agriculture Incentives

HVAC - Electric

Fans

Ref #	Equipment Type		Incentive	Unit	# of Units	Total Incentive
AG-13	Circulation/Exhaust/Ventilation Fans	24"-35" fan blade diameter	\$30.00	Fan		
AG-14		36"-47" fan blade diameter	\$50.00	Fan		
AG-15		48"-71" fan blade diameter	\$100.00	Fan		
AG-16	High-Volume, Low-Speed Fans	16-foot fan blade diameter	\$250.00	Fan		
AG-17		18-foot fan blade diameter	\$400.00	Fan		
AG-18		20-foot fan blade diameter	\$600.00	Fan		
AG-19		22-foot fan blade diameter	\$700.00	Fan		
AG-20		24-foot fan blade diameter	\$800.00	Fan		
AG-21	Fan Thermostat Controller (reservation required)		\$50.00	HP		

Miscellaneous Electric

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-11	Low-Energy Livestock Waterer	\$125.00	Unit		

Agriculture

All Measures

Total Agriculture HVAC – Electric Incentives

Total Agriculture Miscellaneous 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.



DTE Energy®
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Agriculture

IMPORTANT: This worksheet can only be completed by commercial or industrial DTE Energy customers; residential farmers must use our separate application.

2017 Agriculture Incentives

Process Electric

Irrigation Equipment

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-1	Variable Frequency Drives on Irrigation Systems (Reservation required)	\$20.00	HP		
AG-2	Sprinkler to Drip Irrigation Systems (Reservation required)	\$35.00	Acre		
AG-3	Low Pressure Sprinkler Nozzles (Reservation required)	\$0.50	Nozzle		

Dairy Equipment

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-4	Scroll Compressor for Dairy Refrigeration	\$0.04	lb milk/day		
AG-5	Variable Frequency Controller for Vacuum Pump (Reservation required)	\$75.00	HP		
AG-6	VFD on Milk Pump (Reservation required)	w/existing pre-cooler	\$0.05	lb milk/day	
AG-7		w/new pre-cooler	\$0.07	lb milk/day	
AG-8	Milk Pre-cooler (heat exchanger, chiller savings)	\$0.10	lb milk/day		

Grain Dryers (find gas dryers on Page 34)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-9	Grain Storage Temp/Moisture Controller	\$50.00	HP		

VFDs for Fans and Pumps

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-22	VFD on Fans	750-2,000 hours/year	\$30.00	HP	
AG-23		more than 2,000 hours/year	\$40.00	HP	
AG-24	VFD on Pumps	750-2,000 hours/year	\$30.00	HP	
AG-25		more than 2,000 hours/year	\$60.00	HP	

Dairy Refrigeration Tune-Up

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-10	Dairy Refrigeration Tune-Up	\$0.02	lb milk/day		

Site Name _____

Date of Tune-up(s) _____

Company performing Tune-Up(s) _____

Technician performing Tune-Up(s) _____

Tune-Up Checklist

- ☐ Clean and inspect condenser coils
- ☐ Clean and inspect evaporator coils
- ☐ Clean drain pan
- ☐ Inspect and clean fans
- ☐ Clean/replace screens, grills, filters and dryer cores
- ☐ Inspect/adjust heat reclaim operation
- ☐ Tighten all line voltage connections
- ☐ Inspect/replace relays and capacitors as needed
- ☐ Add/remove refrigerant charge as necessary

Description	Pre	Post
Record head pressure (psig)		
Record refrigerant charge (psig)		
Record subcooling (°F)		
Record superheat (°F)		
Record liquid line temperature (°F)		
Record defrost heater amperage draw (A)		
Record compressor motor amperage draw (A)		
Record condenser fan amperage draw (A)		
Record box product temperature (°F)		
Record suction pressure (psig)		
Record suction temperature (°F)		

All Measures

Total Agriculture Process 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.



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2017 Agriculture Incentives

HVAC - Gas

Grain Dryers

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-26	High Efficiency Grain Dryers (Reservation required)	\$0.04	Bushels dried/year		

Greenhouses

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-27	Greenhouse Environmental Controls	\$0.15	Square Foot		
AG-28	Greenhouse Under-Floor/ Under-Bench Hydronic Heating	without Thermal Curtain	\$0.13	Square Foot	
AG-29		with Thermal Curtain	\$0.08	Square Foot	

Insulation

Greenhouses

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-5	Greenhouse Heat Curtains	\$0.10	Square Foot		
IG-6	Greenhouse Infrared Film	\$0.10	Square Foot		

NOTE: Incentives IG-5 and IG-6 can also be found on Page 24.

Farm Energy Audit

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-12	Farm Energy Audit	\$500.00	Farm		

All Measures

Total Agriculture HVAC – Gas Incentives

Total Agriculture Insulation Incentives

Total Agriculture Farm Energy Audit 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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New Construction Systems Approach - Lighting Power Density

New Construction Interior Lighting Incentive Worksheet (Attach Interior Lighting COMcheck file to Application)

Ref #	Building Area Type	Lighting Power Density Maximum* (W per Sq. Ft.) (A)	Watts (B)	Building Area (Square Foot) (C)	Actual LPD* (W per Sq. Ft.) (B / C = D)	Kilowatts Reduced** (((A - D) x C) / 1000 = E)	Incentive (\$200/kW) (E x \$200.00)
LO-17	Automotive facility	0.9					
LO-17	Convention center	1.2					
LO-17	Courthouse	1.2					
LO-17	Dining: bar lounge/leisure	1.3					
LO-17	Dining: cafeteria/fast food	1.4					
LO-17	Dining: family	1.6					
LO-17	Dormitory	1.0					
LO-17	Exercise center	1.0					
LO-17	Gymnasium	1.1					
LO-17	Health-care clinic	1.0					
LO-17	Hospital	1.2					
LO-17	Hotel	1.0					
LO-17	Library	1.3					
LO-17	Manufacturing facility	1.3					
LO-17	Motel	1.0					
LO-17	Motion picture theater	1.2					
LO-17	Multifamily	0.7					
LO-17	Museum	1.1					
LO-17	Office	1.0					
LO-17	Parking Garage (<8,760 Hours/year)	0.3					
LO-17	Penitentiary	1.0					
LO-17	Performing arts theater	1.6					
LO-17	Police/fire station	1.0					
LO-17	Post office	1.1					
LO-17	Religious building	1.3					
LO-17	Retail	1.5					
LO-17	School/university	1.2					
LO-17	Sports arena	1.1					
LO-17	Town hall	1.1					
LO-17	Transportation	1.0					
LO-17	Warehouse	0.8					
LO-17	Workshop	1.4					

LO-18	Parking Garage (8,760 Hours/year)	0.3					
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NOTE: In cases where both a general building area type and a specific building area type are listed, the specific building area type shall apply. If more than one area of the same type is being submitted, use additional separate worksheets.

* Lighting Power Density (LPD) maximum values are based on ASHRAE 90.1-2007. To qualify, Actual LPD MUST be at least 10% better than the maximum-allowed baseline and will be capped at 50%.

**Kilowatts Reduced = ((ASHRAE Max LPD - Actual LPD) x Area (Sq. Ft.)). If this value appears in red, it has been capped at 50% because the LPD reduction was greater than that amount.

NOTE: If DNQ appears in the Total Incentives column, that LPD does not qualify. If a value appears in red, that incentive has been capped at 50% because the LPD reduction was greater than that amount.

Subtotal Lighting Power Density Incentives – Page 1

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.



DTE Energy
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New Construction Systems Approach - Lighting Power Density

New Construction Exterior Lighting Incentive Worksheet (Attach Exterior Lighting COMcheck file to Application)

Lighting Power
Density

Ref #	Area Type	Lighting Power Density Maximum* (W/Sq. Ft. or Lin. Ft.) (A)	Watts (B)	Area Measurement (Sq. Ft. or Lin. Ft.) (C)	Actual LPD* (W/Sq. Ft. or Lin. Ft.) (B / C = D)	Kilowatts Reduced** ((A - D) x C) / 1000 = E)	Incentive (\$200/kW) (E x \$200.00)
LO-19	Canopies/Overhangs	1.25					
LO-19	Main Entry (linear ft. of door width)	30					
LO-19	Other Doors (linear ft. of door width)	20					
LO-19	Outdoor Sales, Open	0.5					
LO-19	Outdoor Sales, Street Frontage (per linear ft.)	20					
LO-19	Plaza/Special Feature	0.2					
LO-19	Stairway	1.0					
LO-19	Uncovered Parking	0.15					
LO-19	Walkways < 10' wide (per linear ft.)	1.0					
LO-19	Walkways ≥ 10' wide	0.2					

NOTE: If more than one area of the same type is being submitted, use additional separate worksheets.

* Lighting Power Density (LPD) maximum values are based on ASHRAE 90.1-2007. To qualify, Actual LPD MUST be at least 10% better than the maximum-allowed baseline and will be capped at 50%.

**Kilowatts Reduced = ((ASHRAE Max LPD - Actual LPD) x Area (Sq. Ft.)). If this value appears in red, it has been capped at 50% because the LPD reduction was greater than that amount.

NOTE: If DNQ appears in the Total Incentives column, that LPD does not qualify. If a value appears in red, that incentive has been capped at 50% because the LPD reduction was greater than that amount.

Subtotal Lighting Power Density Incentives – Page 2

Total Lighting Power Density 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.



DTE Energy®
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LEED

LEED Design Review Assistance Worksheet

LEED Project Title: _____

LEED Registration Date: _____

LEED Online Project ID: _____

LEED Preliminary Design Review

LEED Preliminary Design Review Submission Date: _____

LEED Final Design Review Decisions Date: _____

Ref #	LEED Certification	Incentive	Application Status	Total Incentive
NC-1	LEED Design Review Assistance	\$1,500.00	<input type="checkbox"/> Reservation Application	
			<input type="checkbox"/> Final Application	

Attach all available supporting documentation.



LEED Whole Building Approach Worksheet

To complete this worksheet:

1. Check whether your project is using DTE Energy Electric and/or Gas fuel in this project.
2. Enter your proposed and baseline energy usages for the appropriate fuel type. (The interactive PDF application will convert Therms to Mcf)
3. Check your LEED certified level.
4. The interactive PDF application will automatically calculate your electric and/or gas incentive(s) and enter the total below

LEED

LEED Project Information

Project Name:

Project Address:

Project City

State

ZIP

DTE Energy Fuel Source ☐ Electric ☐ Gas

General Design and Construction Anticipated Schedule

LEED Registration Date:

Executable Model Completion Date:

LEED Preliminary Design Review Date:

Construction Start/Ground breaking Date:

LEED Final Construction Review Date:

Anticipated Construction Completion Date:

LEED Certification Date:

Estimated/Actual LEED Certified Savings and Incentives

Totals:	Proposed/Certified	Baseline	Savings
kWh			
Therms			

Only enter the values for the DTE Energy fuel source for which you are applying.

LEED Certification Level Planned/Actual

Ref#	LEED Certification	Electric Incentive Rate (\$/kWh) (A)	Electric Savings (kWh) (from above) (B)	Electric Incentive (A x B = C)	Gas Incentive Rate (\$/Mcf) (D)	Gas Savings (Mcf*) (from above) (E)	Gas Incentive (D x E = F)	Total Incentive (C + F)
NC-2	<input type="checkbox"/> Certified/Silver	\$0.06			\$3.00			
NC-3	<input type="checkbox"/> Gold	\$0.08			\$4.00			
NC-4	<input type="checkbox"/> Platinum	\$0.10			\$5.00			

* 1 therm = 0.1 Mcf

Total Whole Building Incentives



Boiler/Furnace Tune-Up Incentive Addendum

Tune-up Checklist - Furnace/Boiler #1

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Tune-up Checklist - Furnace/Boiler #2

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Use this addendum for any additional boiler/furnace tune-ups you perform **at the same site**. Use additional copies as needed.
On Page 30 you must enter the **total** number of boilers/furnaces by type and size (at the same site) so the total incentives can be correctly calculated and entered.



Boiler/Furnace Tune-Up Incentive Addendum

Tune-up Checklist - Furnace/Boiler #3

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Tune-up Checklist - Furnace/Boiler #4

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Use this addendum for any additional boiler/furnace tune-ups you perform **at the same site**. Use additional copies as needed.
On Page 30 you must enter the **total** number of boilers/furnaces by type and size (at the same site) so the total incentives can be correctly calculated and entered.



Boiler/Furnace Tune-Up Incentive Addendum

Tune-up Checklist - Furnace/Boiler #5

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Tune-up Checklist - Furnace/Boiler #6

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Use this addendum for any additional boiler/furnace tune-ups you perform **at the same site**. Use additional copies as needed.
On Page 30 you must enter the **total** number of boilers/furnaces by type and size (at the same site) so the total incentives can be correctly calculated and entered.



Boiler/Furnace Tune-Up Incentive Addendum

Tune-up Checklist - Furnace/Boiler #7

Boiler/Furnace
Tune-Up

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Tune-up Checklist - Furnace/Boiler #8

Site Name	Date of Tune-up
Manufacturer	Service (Space Heating, Process, Domestic Hot Water)
Model Number	Annual Hours of Operation
Serial Number	Unit Input Capacity (MBH)
Company Performing Tune-up	Technician Performing Tune-up
<input type="checkbox"/> Measure pre/post combustion efficiency using electronic flue gas analyzer	<input type="checkbox"/> Check safety controls
<input type="checkbox"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures	<input type="checkbox"/> Check adequacy of combustion air intake
<input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls	<input type="checkbox"/> Check for proper venting
<input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces	<input type="checkbox"/> Check Draft Control Dampers
<input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Clean and inspect burner nozzles
	<input type="checkbox"/> Include a copy of the combustion analyzer test (boilers only)

Use this addendum for any additional boiler/furnace tune-ups you perform **at the same site**. Use additional copies as needed.
On Page 30 you must enter the **total** number of boilers/furnaces by type and size (at the same site) so the total incentives can be correctly calculated and entered.



To submit your Reservation Application*

1. Complete the Application (Pages 2-4).

- Ensure that you have completed the Reservation Application checklist (Page 2).
- Ensure that you have completed the Customer information (Page 3).
- 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 7).

Total Incentives Requested

3. Submit your Reservation Application electronically by clicking here

or

Fax to: 313.664.1950

or

Print and mail to:

DTE Energy Efficiency Program for Business

P.O. Box 11289

Detroit, MI 48211

SUBMIT

* 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 on Pages 2-4.

2. Complete and have account holder sign Final Application Agreement (Page 7)

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 7).

Total Incentives Requested

4. Submit your Final Application electronically by clicking here

or

Fax to: 313.664.1950

or

Print and mail to:

DTE Energy Efficiency Program for Business

P.O. Box 11289

Detroit, MI 48211

SUBMIT

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.