



## 2018 Program Application

This Application is to be used for projects completed with a Final Application submitted during the 2018 Program Year (Jan. 1, 2018 - Nov. 30, 2018).

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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](mailto: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.**

## 2018 Additional Program Information

### DLC Listed Products

Only lighting products listed by the DesignLights Consortium<sup>®</sup> (DLC) are eligible for incentives through this program. In order to receive an incentive, you must list the DLC product ID in the field on the Application. You're encouraged to attach DLC specification sheets to your Reservation Application; you **must** submit the sheets with your Final Application. If your lighting equipment falls in a **category** not listed by DLC, you may apply for incentives by using our **Non-DLC Category Product Approval Form**. 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

If Yes, Identify 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, 2018, whichever comes first.

## Final Application

Fill out this side when project is completed

### Required Attachments

- Customer Information ..... 4
- Contractor Information ..... 5
- About 3rd-Party Payment ..... 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

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

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

\*\*\*Application must be submitted within 60 days of completion date or by Nov. 30, 2018, whichever comes first.

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](#)



## 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

A DTE Customer has the option to assign direct payment of his/her Program incentives to a **Designated Trade Ally (DTA)** who is the contractor of record on this project.

**Only** a Designated Trade Ally is eligible for such direct third-party payments and is defined as a contractor who is listed on DTE's Energy Efficiency Directory and has met other Program requirements.

If, as an authorized Account Holder (Customer), you are interested in assigning your incentives to a Designated Trade Ally, check this box  and initial here \_\_\_\_\_.

The Designated Trade Ally will then provide you with a **DTA Third-Party Payment Authorization Form** that will require your review and signature. This form must be attached to this Final Application in order for payment to be made.

Incentives will be paid directly to the Customer if:

1. The box is not checked
2. The form is not signed
3. The contractor is determined to be ineligible for payment

If you have any questions about this process, contact our office.

**If you are in a landlord/tenant situation, contact our office for information about the third-party payment option.**

**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](http://dteenergy.com/savenow).

I understand that in the event this Application received a reservation, that reservation is not a guarantee of payment. Incentive payment will be based upon the Final Application meeting the Program terms and conditions, and the availability of funds.

Selected terms and conditions include:

1. Final Applications and all required documentation must be received within 60 days of project completion or by Nov. 30, 2018, 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](http://www.epa.gov/wastes).
8. For certain measures, the incentive amount will be determined based on the estimated energy savings. The Applicant may be required to provide documentation on energy savings calculations and assumptions. DTE Energy will make the final determination of the energy savings and thus the incentive amount to be paid.
9. DTE Energy has no obligations regarding and does not endorse or guarantee any claims, promises, work or equipment made, performed or furnished by any contractors or equipment vendors that sell or install any energy efficiency measures.
10. Payment of incentives under the Program and/or evaluation of Applications for incentives shall not deem DTE Energy or any of its affiliates, employees or agents ("DTE Energy Parties") to be responsible for any work completed in connection herewith. Applicant fully releases DTE Energy Parties from any and all claims it may have against DTE Energy Parties in connection with this Application, the incentives or the work performed in connection with them. In addition, Applicant agrees to defend, indemnify and hold DTE Energy Parties harmless from and against any and all claims, losses, demands or lawsuits by any third parties arising in connection with this Application, the payment or nonpayment of incentives or any work performed in connection with them.
11. DTE Energy reserves the right to associate with your business and participation in the incentive Program for promotion and advertising purposes. See the Policies and Procedures Manual for more on promotional co-branding
12. Applicant acknowledges that Federal Energy Regulatory Commission (FERC) Order issued on June 1, 2012, at Docket No. ER11-4081-000 ("FERC Order") approves of the inclusion of energy efficiency resources as planning resources in a utility's resource adequacy plan (all italicized terms as defined in the FERC Order). Accordingly, Applicant and DTE Energy agree that all such rights afforded with respect to energy efficiency resources, including but not limited to the right to identify them as a planning resource so as to include them in a resource adequacy plan, shall inure exclusively and fully to DTE Energy. Applicant agrees that it will not claim ownership in such energy efficiency resources for purposes of identifying them as a planning resource in accord with the FERC Order or include them in a resource adequacy plan.

I have read and understand the measure specifications and Program Guidelines set forth in the Application and the Program Policy and Procedures Manual and agree to abide by those requirements. Furthermore, I concur that I must meet all eligibility criteria in order to be paid under this Program and not receive incentives from any other utility for the same project.

I certify that the information on this Application is true and accurate. I understand that any misrepresentation of information — intentional or otherwise — that results in unjustified and/or unsubstantiated incentives being awarded to me (the Customer) will prompt action by DTE Energy and/or its agent to recoup such funds from me and may include additional legal action commensurate with the seriousness of the event.

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			
<b>Subtotals</b>			
LEED Design Review			
LEED Whole Building			
<b>Incentive Subtotal</b>			
<b>Other Special Offers</b>			
Other Special Offer – Code:			
Other Special Offer – Code:			
Other Special Offer – Code:			
<b>Total Incentives Requested</b>			

**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.

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 48 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 Incentive Worksheet

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

### ENERGY STAR® Incandescent/Halogen/CFL to LED

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
LL-3	LED Recessed Down Light Fixture	\$7.00	Fixture		

### DLC-listed Interior Low Bay LED Fixtures (Reservation Application Required)

DLC	Brief Description *	DLC Product ID	# 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	\$145.00	\$44.95
L-1D							\$145.00	
L-2D							\$145.00	
L-3D							\$145.00	
L-4D							\$145.00	
L-5D							\$145.00	
L-6D							\$145.00	
L-7D							\$145.00	
L-8D							\$145.00	
L-9D							\$145.00	
L-10D							\$145.00	
L-11D							\$145.00	
L-12D							\$145.00	
L-13D							\$145.00	
L-14D							\$145.00	
L-15D							\$145.00	
L-16D							\$145.00	
L-17D							\$145.00	
L-18D							\$145.00	
L-19D							\$145.00	
L-20D							\$145.00	
L-21D							\$145.00	
L-22D							\$145.00	
L-23D							\$145.00	
L-24D							\$145.00	
L-25D							\$145.00	
L-26D							\$145.00	
L-27D							\$145.00	
L-28D							\$145.00	

\*Specification sheets are encouraged to be attached to the Reservation Application for all DLC lighting measures. They **must** be attached to the Final Application.

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.



## Lighting Incentive Worksheet (continued)

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

### DLC-listed Interior High Bay LED Fixtures (Reservation Application Required)

DLC	Brief Description *	DLC Product ID	# of Fixtures (A)	Pre-upgrade Watts/Fixture (B)	Post-Upgrade Watts/Fixture (C)	Total kW Reduced (D) = (AxB (B-C))/1,000	Incentive/kW Reduced (E)	Total Incentive (D x E)
EX	1L 400 W HID Fixtures to 1L LED Fixtures		5	455	250	1.025	\$225.00	\$230.62
LL-17D							\$225.00	
LL-18D							\$225.00	
LL-19D							\$225.00	
LL-73D							\$225.00	
LL-74D							\$225.00	
LL-75D							\$225.00	

### DLC-listed LED Fixtures (24/7 Operation) (Reservation Application Required)

DLC	Brief Description *	DLC Product ID	# of Fixtures (A)	Pre-upgrade Watts/Fixture (B)	Post-Upgrade Watts/Fixture (C)	Total kW Reduced (D) = (AxB (B-C))/1,000	Incentive/kW Reduced (E)	Total Incentive (D x E)
EX	1L 400 W HID Fixtures to 1L LED Fixtures		5	455	250	1.025	\$400.00	\$410.00
LL-78D							\$400.00	
LL-79D							\$400.00	
LL-80D							\$400.00	
LL-81D							\$400.00	
LL-82D							\$400.00	
LL-83D							\$400.00	

\*Specification sheets are encouraged to be attached to the Reservation Application for all DLC lighting measures. They **must** be attached to the Final Application.

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.



**Lighting Incentive Worksheet (continued)**

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

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

Ref #	Equipment Type (DLC Listed)*	DLC Product ID	Incentive	Unit	# of Units	Total Incentive
LL-20D	LED replacing	50 to <150W HID	\$10.00	Fixture		
LL-21D		150 to < 250W HID	\$25.00	Fixture		
LL-22D		250 to 500W HID	\$40.00	Fixture		
LL-84D		>500W HID**	\$170.00	Fixture		

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

Ref #	Equipment Type (DLC Listed)*	DLC Product ID	Incentive	Unit	# of Units	Total Incentive
LL-23D	LED replacing	50 to <150W HID	\$20.00	Fixture		
LL-24D		150 to <250W HID	\$50.00	Fixture		
LL-25D		250 to 500W HID	\$80.00	Fixture		
LL-85D		>500W HID**	\$340.00	Fixture		

\*Specification sheets are encouraged to be attached to the Reservation Application for all DLC lighting measures. They **must** be attached to the Final Application.

\*\* Reservation Required

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.



## Lighting Incentive Worksheet (continued)

### Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
LO-1	Interior Occupancy Sensors	≤ 500 Watts Controlled	\$15.00	Sensor	
LO-2		> 500 Watts Controlled	\$40.00	Sensor	
LO-3	Interior Central Lighting Control	\$455.00	10,000 Sq. Ft.		
LO-4	Interior Switching Controls for Multilevel Lighting	\$330.00	10,000 Sq. Ft.		
LO-5	Interior Daylight Sensor Controls	\$0.04	Watt Controlled		
LO-6	Combination Occupancy and Daylight Sensor Controls	≤ 500 Watts Controlled	\$20.00	Sensor	
LO-7		> 500 Watts Controlled	\$50.00	Sensor	
LO-8	Stairwell Bi-Level Lighting Controls (Reservation required)	\$265.00	kW Controlled		
LO-9	Exterior HID Lighting Bi-level Control w/Override, 150W to 1000W HID	\$40.00	Fixture		
LO-10	Exterior Multi-Step Dimming Timing Controls	\$0.05	Watt Controlled		
LO-13	Exterior LED Lighting Bi-level Controls	\$25.00	Fixture		
LO-14	Garage LED Lighting Bi-level Controls	\$20.00	Fixture		
LO-15	Garage LED Lighting Bi-level Controls w/Photocell	\$50.00	Fixture		

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

### Daylighting

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
LO-11	Tubular Skylights (Light Tubes)	\$15.00	Tube		

### Food Service Lighting

Ref #	Equipment Type (DLC Listed)*	DLC Product ID	Incentive	Unit	# of Units	Total Incentive
LL-32D	LED Refrigerated Case Door Lighting		\$25.00	Door		
Ref #	Equipment Type (Standard)	Incentive	Unit	# of Units	Total Incentive	
LL-33	Occupancy Sensors for LED Refrigerated Case Lighting	\$10.00	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 are encouraged to be attached to the Reservation Application for all DLC lighting measures. They **must** be attached to the Final Application.

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				\$10.00	
HE-2		< 65,000 Btu/hr (5.4 tons) - 3 Phase	14.0 SEER				\$10.00	
HE-3		≥ 65,000 Btu/hr (5.4 tons) < 135,000 Btu/hr (11.3 tons)	12.4 EER 17.8 IEER				\$4.00	
HE-4		≥ 135,000 Btu/hr (11.3 tons) < 240,000 Btu/hr (20 tons)	12.5 EER 16.8 IEER				\$4.00	
HE-5		≥ 240,000 Btu/hr (20 tons) < 760,000 Btu/hr (63.3 tons)	10.6 EER 13.3 IEER				\$4.00	
HE-6		≥ 760,000 Btu/hr (63.3 tons)	11 EER				\$4.00	
HE-7	Air Source Heat Pumps	< 65,000 Btu/hr (5.4 tons) - 1 Phase	15.0 SEER 8.5 HSPF				\$13.50	
HE-8		< 65,000 Btu/hr (5.4 tons) - 3 Phase	15.0 SEER 8.5 HSPF				\$13.50	
HE-9		≥ 65,000 Btu/hr (5.4 tons) < 135,000 Btu/hr (11.3 tons)	11.8 EER 12.8 IEER 3.4 COP				\$3.00	
HE-10		≥ 135,000 Btu/hr (11.3 tons) < 240,000 Btu/hr (20 tons)	10.9 EER 12.0 IEER 3.3 COP				\$3.00	
HE-11		≥ 240,000 Btu/hr (20 tons)	10.3 EER 12.1 IEER 3.2 COP				\$3.00	
HE-12		Closed Loop Water Source Heat Pump	≤ 17,000 Btu/hr (1.4 tons)	11.5 EER				\$2.00
HE-13	> 17,000 Btu/hr (1.4 tons), ≤ 65,000 Btu/hr (5.4 tons)		12.3 EER				\$2.00	
HE-14	> 65,000 Btu/hr (5.4 tons), ≤ 135,000 Btu/hr (11.3 tons)		12.3 EER				\$2.00	
HE-17	Package Terminal Air Conditioner	< 7,000 Btu/hr (< 0.583tons)	13.1 EER				\$5.00	
HE-55		7,000 Btu/hr to 15,000 Btu/hr (0.583 to 1.25 tons)	11.8 EER				\$5.00	
HE-56		> 15,000 Btu/hr (1.25 tons)	10.5 EER				\$5.00	
HE-18	Package Terminal Heat Pump	ALL	9.0 EER				\$5.50	
HE-19	Ground-Source Heat Pump	≤ 135,000 Btu/hr (11.3 tons)	17 EER				\$15.00	
HE-20			19 EER				\$20.00	
HE-21	Ground-Source Heat Pump (replacing Air Source Heat Pump)	≤ 135,000 Btu/hr (11.3 tons)	17 EER				\$100.00	
HE-22			19 EER				\$110.00	

#### 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                      |

\*Incentive is per unit

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.



## HVAC - Electric Incentive Worksheet

### HVAC Controls

Ref #	Measure Name	Incentive	Unit	# of Units	Total Incentive
HE-26	Hotel Guestroom Energy Management Control	Air Conditioning, Electric Heat	Room		
HE-27		Air Conditioning, Gas Heat	Room		
HE-28	Web-based EMS (Electric) (Reservation required)	\$40.00	1,000 Sq. Ft.		
HE-29	Chilled Water Reset	\$1.00	Ton		

### HVAC Occupancy Sensor

Ref #	Measure Name	Incentive	Unit	# of Units	Total Incentive
HE-37	With CV Chilled Water System	\$10.00	1,000 Sq. Ft.		
HE-38	With VAV Chilled Water System	\$20.00	1,000 Sq. Ft.		

### Other HVAC

Ref #	Measure Name	Incentive	Unit	# of Units	Total Incentive
HE-39	Variable Frequency Drive – VAV Supply or Return Air Fan	\$50.00	Fan HP		
HE-40	Variable Frequency Drive – Secondary Chilled Water Pump	\$75.00	Pump HP		
HE-41	Economizer	\$10.00	Ton		
HE-42	Cool Roof (\$0.02 per Sq. Ft.)	\$10.00	1,000 Sq. Ft. Roof Area		
HE-43	High Performance Glazing in Windows (\$0.30 per Sq.Ft.)	\$12.00	100 Sq.Ft. of Glazing		
HE-44	Window Film (\$0.30 per Sq. Ft.)	\$17.00	100 Sq. Ft. of Film		
HE-45	EC Motors on Small Commercial Furnaces replacing non-EC Motors	\$70.00	HP		
HE-46	Efficient Chilled Water Pump	\$35.00	HP		
HE-47	Efficient Hot Water Pump	\$35.00	HP		
HE-51	Variable Frequency Drive	Hot Water Pump	Pump HP		
HE-52		Primary Chilled Water Pump	Pump HP		
HE-53		Cooling Tower Fan	Fan HP		
HE-54		Condenser Water Pumps	Pump HP		

All Measures

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

### HVAC Tune-ups

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HE-48	Refrigerant charging correction on RTU AC	\$1.00	Ton		
HE-49	Condenser Coil Cleaning	\$3.00	Ton		
HE-50	Chiller Tune-up	\$5.00	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.



## HVAC - Electric Incentive Worksheet

### Air-Cooled Chillers

Ref #	Equipment Type	Qualifying Full Load Efficiency (kW/ton)	Unit Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Unit IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C) (Will not calculate unless all columns are complete)	
X CH-1	Reciprocating Chiller	1.26		1.03				\$5.00		
X CH-2				0.90				\$10.00		
X CH-3				0.83				\$15.00		
X CH-4		1.14			1.05				\$10.00	
X CH-5					0.94				\$15.00	
X CH-6					0.82				\$20.00	
X CH-7					0.75				\$25.00	
X CH-8		1.05			0.96				\$25.00	
X CH-9					0.86				\$30.00	
X CH-10					0.75				\$35.00	
X CH-11					0.69				\$40.00	
X CH-12	Screw or Scroll Chiller	1.26	1.02					\$5.00		
X CH-13			0.97					\$10.00		
X CH-14			0.74					\$25.00		
X CH-15		1.14	1.05				\$10.00			
X CH-16			0.93				\$20.00			
X CH-17			0.88				\$25.00			
X CH-18			0.67				\$40.00			
X CH-19		1.05	0.96				\$25.00			
X CH-20			0.85				\$30.00			
X CH-21			0.80				\$35.00			
X CH-22	0.62					\$45.00				

**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.

## HVAC - Electric Incentive Worksheet

### Water-Cooled Chillers - Centrifugal Chiller

Ref #	Capacity (A)	Qualifying Full Load Efficiency (kW/ton)	Unit Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Unit IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C) (Will not calculate unless all columns are complete)	
X CH-23	< 150 tons	0.56		0.34				\$26.00		
X CH-24				0.4				\$25.00		
X CH-25				0.43				\$24.00		
X CH-26				0.46				\$23.00		
X CH-27				0.53				\$20.00		
X CH-28		0.63			0.38				\$16.00	
X CH-29					0.45				\$15.00	
X CH-30					0.48				\$14.00	
X CH-31					0.51				\$13.00	
X CH-32		0.7			0.6				\$10.00	
X CH-33					0.42				\$10.00	
X CH-34					0.5				\$7.00	
X CH-35	0.53							\$6.00		
X CH-36	0.57							\$5.00		
X CH-37	150 – 300 tons	0.51		0.3				\$23.00		
X CH-38				0.36				\$22.00		
X CH-39				0.39				\$21.00		
X CH-40				0.41				\$20.00		
X CH-41				0.48				\$18.00		
X CH-42		0.57			0.34				\$14.00	
X CH-43					0.4				\$13.00	
X CH-44					0.43				\$12.00	
X CH-45					0.46				\$11.00	
X CH-46		0.63			0.54				\$9.00	
X CH-47					0.38				\$8.00	
X CH-48					0.45				\$5.00	
X CH-49	0.48							\$4.00		
X CH-50	0.51							\$3.00		
X CH-51	> 300 tons	0.46		0.28				\$21.00		
X CH-52				0.33				\$20.00		
X CH-53				0.35				\$19.00		
X CH-54				0.37				\$18.00		
X CH-55				0.44				\$16.00		
X CH-56		0.52			0.31				\$13.00	
X CH-57					0.37				\$12.00	
X CH-58					0.39				\$11.00	
X CH-59					0.42				\$10.00	
X CH-60		0.58			0.49				\$8.00	
X CH-61					0.35				\$8.00	
X CH-62					0.41				\$5.00	
X CH-63	0.44							\$4.50		
X CH-64	0.47							\$4.00		

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.



## HVAC - Electric Incentive Worksheet

### Water-Cooled Chillers - Screw or Scroll Chiller

Ref #	Capacity (A)	Qualifying Full Load Efficiency (kW/ton)	Unit Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Unit IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C) (Will not calculate unless all columns are complete)	
✕ CH-65	< 150 tons	0.63		0.38				\$39.00		
✕ CH-66				0.41				\$36.00		
✕ CH-67				0.44				\$33.00		
✕ CH-68				0.47				\$30.00		
✕ CH-69				0.5				\$27.00		
✕ CH-70				0.56				\$21.00		
✕ CH-71		0.71			0.43				\$31.00	
✕ CH-72					0.46				\$28.00	
✕ CH-73					0.5				\$24.00	
✕ CH-74					0.53				\$20.00	
✕ CH-75					0.56				\$17.00	
✕ CH-76					0.63				\$11.00	
✕ CH-77		0.79			0.47				\$22.00	
✕ CH-78					0.51				\$19.00	
✕ CH-79					0.55				\$15.00	
✕ CH-80					0.59				\$11.00	
✕ CH-81	0.62							\$8.00		
✕ CH-82	150 – 300 tons				0.57		0.34			
✕ CH-83		0.37						\$33.00		
✕ CH-84		0.4						\$30.00		
✕ CH-85		0.43						\$27.00		
✕ CH-86		0.45						\$25.00		
✕ CH-87		0.51						\$19.00		
✕ CH-88		0.65			0.39				\$28.00	
✕ CH-89					0.42				\$25.00	
✕ CH-90					0.45				\$22.00	
✕ CH-91					0.48				\$18.00	
✕ CH-92					0.51				\$16.00	
✕ CH-93					0.57				\$10.00	
✕ CH-94		0.72			0.43				\$20.00	
✕ CH-95					0.47				\$17.00	
✕ CH-96					0.5				\$13.00	
✕ CH-97					0.54				\$10.00	
✕ CH-98	0.57							\$7.00		

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.



**HVAC - Electric Incentive Worksheet**  
**Water-Cooled Chillers - Screw or Scroll Chiller (Continued)**

Ref #	Capacity (A)	Qualifying Full Load Efficiency (kW/ton)	Unit Full Load Efficiency (kW/ton)	Qualifying IPLV (kW/ton)	Unit IPLV (kW/ton)	Unit Size (tons) (A)	Quantity (B)	Incentive (per ton) (C)	Incentive (A*B*C) (Will not calculate unless all columns are complete)	
✂ CH-99	> 300 tons	0.51		0.31				\$32.00		
✂ CH-100				0.33				\$30.00		
✂ CH-101				0.36				\$27.00		
✂ CH-102				0.38				\$24.00		
✂ CH-103				0.4				\$22.00		
✂ CH-104		0.46				\$17.00				
✂ CH-105		0.58			0.35				\$25.00	
✂ CH-106					0.37				\$22.00	
✂ CH-107					0.4				\$20.00	
✂ CH-108					0.43				\$16.00	
✂ CH-109					0.45				\$14.00	
✂ CH-110		0.51				\$9.00				
✂ CH-111		0.64			0.38				\$18.00	
✂ CH-112					0.42				\$15.00	
✂ CH-113					0.45				\$12.00	
✂ CH-114	0.48							\$9.00		
✂ CH-115	0.51							\$6.00		

**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.



## Miscellaneous Electric Incentive Worksheet

### Sensors and Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
ME-1	Intelligent Multi-Socket Surge Protector	\$1.00	Protector		
ME-2	PC Network Energy Management Controls	\$5.00	PC		

### Clothes Washers

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
ME-3	ENERGY STAR® High Efficiency	Electric Water Heat, Electric Dryer	\$50.00	Washer	
ME-4	Clothes Washer	Electric Water Heat, Gas Dryer	\$25.00	Washer	

### Miscellaneous Electric

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
ME-5	Heat Pump Storage Water Heater	\$250.00	Heater		
ME-6	Electric Tankless Water Heater	\$35.00	Heater		
ME-7	High Efficiency Hand Dryer	\$50.00	Dryer		

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.



## 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	\$10.00	HP			
✂ PE-2	2 HP	\$10.00	HP			
✂ PE-3	3 HP	\$10.00	HP			
✂ PE-4	5 HP	\$10.00	HP			
✂ PE-5	7.5 HP	\$10.00	HP			
✂ PE-6	10 HP	\$10.00	HP			
✂ PE-7	15 HP	\$10.00	HP			
✂ PE-8	20 HP	\$10.00	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	\$60.00	HP			
✂ PE-10		2 HP	\$60.00	HP			
✂ PE-11		3 HP	\$60.00	HP			
✂ PE-12		5 HP	\$60.00	HP			
✂ PE-13		7.5 HP	\$60.00	HP			
✂ PE-14		10 HP	\$60.00	HP			
✂ PE-15		15 HP	\$60.00	HP			
✂ PE-16		20 HP	\$60.00	HP			
✂ PE-17		25 HP	\$60.00	HP			
✂ PE-18		30 HP	\$60.00	HP			
✂ PE-19		40 HP	\$60.00	HP			
✂ PE-20	50 HP	\$60.00	HP				
✂ PE-21	Process Fans (≤ 50 HP)		\$30.00	HP			
✂ PE-22	VFD on Computer Room AC Supply Fans		\$20.00	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.



## Process Electric Incentive Worksheet

### Compressed Air

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	Compress Air Audit with Leak Repair - VSD Air Compressor Reservation Application Required prior to leak repair	\$35.00	CFM		
CA-41	Compress Air Audit with Leak Repair - Non-VSD Air Compressor Reservation Application Required prior to leak repair	\$20.00	CFM		
CA-26	VSD Air Compressor 50-500 HP	\$75.00	HP		
CA-34	VSD Air Compressor <50HP	\$60.00	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	\$3.00	SCFM		
CA-31	No-Loss Condensate Drains*	\$100.00	Drain		
CA-32	Compressed Air Storage Tank	\$25.00	HP		
CA-33	Variable Displacement Air Compressor ≥50 HP	\$25.00	HP		
CA-35	Heated Desiccant Air Dryer	VSD Compressor	\$2.50	SCFM	
CA-36		VD Compressor	\$1.00	SCFM	
CA-37		LNL Compressor	\$1.50	SCFM	
CA-38		VSD Compressor	\$4.00	SCFM	
CA-39	Blower Purge Desiccant Air Dryer	VD Compressor	\$2.50	SCFM	
CA-40		LNL Compressor	\$2.50	SCFM	

\*Cannot be integrated into new equipment

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.



## 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	\$80.00	Charger		
PE-24		2-shift operation	\$150.00	Charger		
PE-25		3-shift operation	\$200.00	Charger		
PE-26	Electrically Commutated Plug Fans	In-Cabinet	\$60.00	Fan		
PE-27		Under-Cabinet	\$100.00	Fan		
PE-28	Computer Room Air Conditioning (CRAC) Units	<65 MBH	SCOP: 2.86	\$8.00	Output MBH	
PE-29		65-240 MBH	SCOP: 2.73	\$9.00	Output MBH	
PE-30		>240 MBH	SCOP: 2.47	\$10.00	Output MBH	
PE-51	Computer Room Air Conditioner Air Side Economizer	<65 MBH		\$23.00	Output MBH	
PE-52		65-240 MBH		\$24.00	Output MBH	
PE-53		>240 MBH		\$26.00	Output MBH	
PE-60	Computer Room Air Conditioner Refrigerant Economizer	<65 MBH		\$18.00	Output MBH	
PE-61		65-240 MBH		\$19.00	Output MBH	
PE-62		>240 MBH		\$22.00	Output MBH	
PE-31	Barrel Wraps for Injection Molders & Extruders		\$25.00	Square Foot		
PE-32	Insulated Pellet Dryer Ducts	3" diameter	\$5.00	Linear foot		
PE-33		4" diameter	\$7.00	Linear foot		
PE-34		5" diameter	\$10.00	Linear foot		
PE-35		6" diameter	\$12.00	Linear foot		
PE-36		8" diameter	\$17.00	Linear foot		
PE-37	Tank Insulation – 1"	Low Temp (120°F – 170°F)	\$1.00	Square foot		
PE-38		High Temp (> 170°F)	\$1.50	Square foot		
PE-39	Tank Insulation – 2"	Low Temp (120°F – 170°F)	\$1.50	Square foot		
PE-40		High Temp (> 170°F)	\$2.00	Square foot		
PE-41	Electric Motors replacing Pneumatic (Air) Motors		\$70.00	HP		
PE-42	High Efficiency Welders (Reservation required)		\$80.00	Welder		
PE-43	Air Blowers Replacing Compressed Air Blow-off		\$300.00	HP		
PE-44	Electric Tools Replacing Pneumatic (Air) Tools		\$80.00	Tool		
PE-48	Cordless Electric Tools Replacing Pneumatic (Air) Tools (Reservation Required)		\$40.00	Tool		
PE-45	Fiber Laser Cutter Replacing CO2 Laser Cutter		\$1,800.00	Output kW		
PE-46	Injection Molding Machines Replacing	All-Electric	\$13.00	Ton		
PE-47	Hydraulic Injection Molding Machines	Hybrid	\$11.00	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.



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## Food Service - Electric and Refrigeration Incentive Worksheet

### Controls



Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-16	Beverage Vending Machine Controllers	\$40.00	Controller		
FE-17	Anti-Sweat Heater Controls (Reservation Required)	\$50.00	Door		
FE-18	Floating Head Pressure Controls	\$50.00	Ton		

### Food Service Instant Rebate Program

The following Electric food service equipment is only available for incentives through the DTE Food Service Instant Rebate Program.

- ENERGY STAR® Commercial Solid Door/Glass Door Refrigerators
- ENERGY STAR® Hot Holding Cabinets
- ENERGY STAR® Fryers
- ENERGY STAR® Convection Ovens
- ENERGY STAR® Griddles
- Combination Ovens
- ENERGY STAR® Steam Cookers
- ENERGY STAR® Ice Machines
- Pre-rinse Sprayers (electric water heat)

To receive an instant rebate on your next equipment purchase, visit [dtefoodservice.com](http://dtefoodservice.com) or call our office at **866.796.0512** (press option 3 and ask about the Food Service Instant Rebate Program).

All Measures

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



## Food Service - Electric and Refrigeration Incentive Worksheet

### Refrigeration

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-22	Efficient Refrigeration Condenser	\$70.00	Ton		
FE-23	ECM Motor for Reach-in Refrigerated Display Case (Reservation Required)	\$45.00	Motor		
FE-24	ECM Motor for Walk-in Cooler and Freezer (Reservation Required)	\$75.00	Motor		
FE-25	Evaporator Fan Motor Control on ECM Motors for Walk-in Coolers and Freezers	\$15.00	Controller		
FE-26	Evaporator Fan Motor Control on PSC Motors for Walk-in Coolers and Freezers	\$45.00	Controller		
FE-27	Walk-in Cooler/Freezer Evaporator Fan Motor Reduction (Reservation required)	\$80.00	Motor Removed		
FE-28	Night Covers (Vertical)	\$1.00	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	\$4.00	Square Foot		
FE-31	Door Gaskets on Coolers and Freezers	\$2.00	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	\$30.00	Linear Foot	
		Low Temp	\$80.00	Linear Foot	
FE-34					

### Food Service Lighting

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
FE-35	Refrigerated Savings due to Lighting Savings	-20°F – 0°F	\$0.10	Lighting watt reduced	
FE-36		0°F – 20°F	\$0.06	Lighting watt reduced	
FE-37		20°F – 40°F	\$0.04	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

Equipment Type (DLC Listed)*			
LL-32D	LED Refrigerated Case Door Lighting	\$25.00	Door
Ref #	Equipment Type (Standard)	Incentive	Unit
LL-33	Occupancy Sensors for LED Refrigerated Case Lighting	\$10.00	Door

\*Specification sheets are encouraged to be attached to the Reservation Application for all DLC lighting measures. They **must** be attached to the Final Application.

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.



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## HVAC Gas Incentive Worksheet

### Boilers and Furnaces

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HG-1	Boiler Modulating Burner Control Retrofit	\$0.20	Input MBH		
HG-2	Boiler Water Reset Control Retrofit	\$0.25	Input MBH		
HG-3	High Efficiency Furnace/ Unit Heater	95% Efficient	\$0.85	Input MBH	
HG-4		92% Efficient	\$0.70	Input MBH	
HG-5	High Efficiency Boilers (Space Heating)	\$0.70	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 <sub>2</sub> Trim Control	\$0.10	Input MBH		
HG-33	Linkageless Boiler Control	\$0.15	Input MBH		
HG-34	Boiler Linkageless Controls and O <sub>2</sub> Trim Control	\$0.20	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	\$0.25	Input MBH	

### Other HVAC

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HG-7	Infrared Heaters	\$1.30	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	\$0.80	Input MBH		
HG-11	Outside Air Ventilation Reduction (Reservation Application Required)	\$0.70	CFM Reduced		
HG-35	Sensible Energy Recovery Ventilation	\$0.20	CFM		
HG-36	Total Energy Recovery Ventilation	\$0.25	CFM		
HG-37	Automatic High-Speed Doors	\$0.30	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.



## HVAC Gas Incentive Worksheet

### HVAC Controls

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
HG-15	Demand Controlled Ventilation CO <sub>2</sub> Sensor-based (\$0.012 per Sq. Ft.)	\$25.00	1,000 Sq. Ft.		
HG-16	HVAC Occupancy Sensor	w/CV Chilled Water System	\$25.00	1,000 Sq. Ft.	
HG-17		w/VAV Chilled Water System	\$15.00	1,000 Sq. Ft.	
HG-18	Hotel Guestroom Energy Management Control (Gas Heat)	\$25.00	Room		
HG-19	Web-based EMS (Gas) (Reservation required)	\$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.



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## 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	\$1.00	Input MBH			
WG-2	Mid Efficiency Indirect Domestic Hot Water Heating System 84% Efficient	\$0.45	Input MBH			
WG-3	Gas Tankless Water Heater	\$65.00	Heater			
WG-4	High Efficiency Pool Heater (gas heat)	\$1.00	Input MBH			
WG-5	Low-Flow Sink Aerators (≤ 1.0 GPM on a gas hot water system)	\$2.00	Aerator			
WG-6	Low-Flow Showerheads	\$7.00	Showerhead			
WG-14	Laminar Flow Restrictors (≤ 2GPM)	\$3.00	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 (≤55 Gallons)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
WG-8	≤ 75,000 Btu/hr, High-Efficiency (≥ 0.80 EF)	\$60.00	Heater		

### Gas Storage Water Heater (> 55 Gallons)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
WG-10	> 75,000 Btu/hr, High-Efficiency (≥ 0.94 Thermal Efficiency)	\$125.00	Heater		

### Laundry

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
WG-11	ENERGY STAR® High Efficiency Clothes Washer	Gas Water Heat, Electric Dryer	\$5.00	Washer	
WG-12		Gas Water Heat, Gas Dryer	\$10.00	Washer	
WG-13	Ozone Laundry	\$15.00	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.



## Insulation Incentive Worksheet

### Pipe Wrap

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-1	Steam Boiler	\$6.00	Linear Foot		
IG-2	Steam Boiler Condensate Return	\$2.00	Linear Foot		
IG-3	Hot Water Boiler	\$1.50	Linear Foot		
IG-4	Domestic Hot Water	\$0.50	Linear Foot		

### Greenhouse



Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-5	Greenhouse Heat Curtain	\$0.05	Square Foot		
IG-6	Greenhouse Infrared Film	\$0.05	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)	\$160.00	Door		
IG-8	Truck Loading Dock Seals (Replacement)	\$80.00	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	\$10.00	1,000 Sq. Ft.		
IG-11	Attic Roof Insulation	\$25.00	1,000 Sq. Ft.		
IG-12	Wall Insulation (Reservation Application Required)	\$175.00	1,000 Sq. Ft.		
IG-13	Pool Covers	\$0.35	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.



## Process Gas Incentive Worksheet

### Process Gas

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
PG-14	Furnace Tube Inserts	\$20.00	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		

Total Process Gas Incentives

All Measures

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



## 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	\$150.00	Boiler		
HG-23	> 1,200 Input MBH	\$300.00	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	\$15.00	Furnace/RTU		
HG-30	301 – 500 Input MBH	\$40.00	Furnace/RTU		
HG-31	> 500 Input MBH	\$75.00	Furnace/RTU		

### Process Furnace/Burner Tune-Up

Ref #	Equipment Size	Incentive	Unit	# of Units	Total Incentives
HG-42	≤ 3,000 MBH	\$175.00	Burner		
HG-43	> 3,000 – < 6,000 MBH	\$500.00	Burner		
HG-44	≥ 6,000 – < 10,000 MBH	\$750.00	Burner		
HG-45	≥ 10,000 MBH	\$1,000.00	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.



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## Food Service - Gas Incentive Worksheet

### Miscellaneous



Ref #	Equipment Type	Incentive	Unit	# of Units		Total Incentive
				Ft.	Hrs.	
FG-11	Night Covers (Vertical)	\$0.50	Linear Foot x Hrs/Day			
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		

### Food Service Instant Rebate Program

The following Natural Gas food service equipment is only available for incentives through the DTE Food Service Instant Rebate Program:

- ENERGY STAR® Fryers
- Commercial Conveyor Ovens
- Large Vat Fryers
- Rack Ovens
- ENERGY STAR® Griddles
- ENERGY STAR® Dishwashers
- ENERGY STAR® Steam Cookers
- Pre-rinse Sprayers (electric water heat)
- ENERGY STAR® Convection Ovens
- Combination Ovens
- Commercial Kitchen Ventilation Hoods with Demand Control

To receive an instant rebate on your next equipment purchase, visit [dtefoodservice.com](http://dtefoodservice.com) or call our office at **866.796.0512** (press option 3 and ask about the Food Service Instant Rebate Program).

All Measures

Total Food Service – 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.



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

- 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	=	$\frac{\text{Aggregate Measure Cost}}{(\text{Annual kWh Saved} \times \text{Electricity Cost}) + (\text{Annual Mcf Saved} \times \text{Natural Gas Cost})}$
-----------------------	---	---

- 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).

**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.



## Prescriptive or Custom Incentive Worksheet

### Prescriptive or Custom?

#### Where does your lighting project fall?

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

To answer that question, follow these instructions:

#### Step 1:

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

**No:** Submit it as a Custom measure

**Yes:** Continue to Step 2.

#### Step 2:

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

Enter “Before Retrofit” fixture quantity:

Enter “After Retrofit” fixture quantity:

Follow these instructions:



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

## Custom Incentive Worksheet

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

**Reservation Letter must be received BEFORE project begins**

See Instructions on Page 32. Complete every blank box for each item you submit. Please attach 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					\$0.05					
Natural Gas	Mcf					\$3.50					

\* 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					\$0.05					
Natural Gas	Mcf					\$3.50					

\* 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.

You **must** check the appropriate category box for each custom item on this worksheet.

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

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

must be  $\geq 1$  year

		Aggregate Measure Cost	Aggregate Annual Savings	Current Energy Cost	Simple Payback Period*	Total Calculated Incentive	Total Awarded Incentive**
Total Custom Incentives (Includes values entered on pages 34-36)	Electric						
	Natural Gas						
Total Measure Cost						Total Custom Incentive	

**IMPORTANT NOTES:**

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

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

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



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

## Custom Incentive Worksheet

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

**Reservation Letter must be received BEFORE project begins**

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

Please attach 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/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			\$0.05		
Natural Gas	Mcf			\$3.50		

\* 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/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			\$0.05		
Natural Gas	Mcf			\$3.50		

\* 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.

You **must** check the appropriate category box for each custom item on this worksheet.

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

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

must be  $\geq 1$  year

		Aggregate Measure Cost	Aggregate Annual Savings	Current Energy Cost	Simple Payback Period*	Total Calculated Incentive	Total Awarded Incentive**
Total Custom Incentives (Includes values entered on pages 34-36)	Electric						
	Natural Gas						
Total Measure Cost						Total Custom Incentive	

### IMPORTANT NOTES:

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

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

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



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

Custom Incentive Worksheet

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

Reservation Letter must be received BEFORE project begins

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

You must check the appropriate category box for each custom item on this worksheet.

Ref#CU-5 Location (department, area, etc.)

Table with columns: Description, Before Retrofit, After Retrofit. Includes operation calculation rows for hours/week, weeks/year, non-work days/year, and hours used per year.

Category selection table with columns: Elec., Category, Gas. Includes checkboxes for Lighting, HVAC, Miscellaneous, Process, Food Service, Hot Water/Laundry, Insulation.

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

Summary table with columns: Service, Unit, Current Energy Cost, Annual Savings, Incentive Rate, Calculated Incentive, Measure Cost. Rows for Electric and Natural Gas.

\* 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.

Capped Measure Incentive (from Total Awarded Incentive below)

Ref#CU-6 Location (department, area, etc.)

Table with columns: Description, Before Retrofit, After Retrofit. Includes operation calculation rows for hours/week, weeks/year, non-work days/year, and hours used per year.

Category selection table with columns: Elec., Category, Gas. Includes checkboxes for Lighting, HVAC, Miscellaneous, Process, Food Service, Hot Water/Laundry, Insulation.

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

Summary table with columns: Service, Unit, Current Energy Cost, Annual Savings, Incentive Rate, Calculated Incentive, Measure Cost. Rows for Electric and Natural Gas.

\* 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.

Capped Measure Incentive (from Total Awarded Incentive below)

Electric Simple Payback Period = Electric Aggregate Measure Cost / (Aggregate Annual kWh Saved x Current Energy Cost)
Gas Simple Payback Period = Gas Aggregate Measure Cost / (Aggregate Annual Mcf Saved x Current Energy Cost)

Summary table with columns: Total Custom Incentives, Aggregate Measure Cost, Aggregate Annual Savings, Current Energy Cost, Simple Payback Period, Total Calculated Incentive, Total Awarded Incentive. Includes rows for Electric, Natural Gas, and Total Measure Cost.

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.



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

## 2018 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	\$20.00	Fan	
AG-14		36"-47" fan blade diameter	\$35.00	Fan	
AG-15		48"-71" fan blade diameter	\$60.00	Fan	
AG-16	High-Volume, Low-Speed Fans	16-foot fan blade diameter	\$175.00	Fan	
AG-17		18-foot fan blade diameter	\$270.00	Fan	
AG-18		20-foot fan blade diameter	\$360.00	Fan	
AG-19		22-foot fan blade diameter	\$470.00	Fan	
AG-20		24-foot fan blade diameter	\$550.00	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	\$90.00	Unit		

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.



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## 2018 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)	\$10.00	HP		
AG-2	Sprinkler to Drip Irrigation Systems (Reservation required)	\$10.00	Acre		
AG-3	Low Pressure Sprinkler Nozzles (Reservation required)	\$0.30	Nozzle		

#### Dairy Equipment

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-4	Scroll Compressor for Dairy Refrigeration	\$10.00	1,000 lbs milk/day		
AG-5	Variable Frequency Controller for Vacuum Pump (Reservation required)	\$30.00	HP		
AG-6	VFD on Milk Pump (Reservation required)	w/existing pre-cooler	\$30.00	1,000 lbs milk/day	
AG-7		w/new pre-cooler	\$65.00	1,000 lbs milk/day	
AG-8	Milk Pre-cooler (heat exchanger, chiller savings)	\$0.07	lbs milk/day		

#### Grain Dryers (find gas dryers on Page 39)

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-9	Grain Storage Temp/Moisture Controller	\$20.00	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	\$15.00	HP	
AG-23		more than 2,000 hours/year	\$40.00	HP	
AG-24	VFD on Pumps	750-2,000 hours/year	\$10.00	HP	
AG-25		more than 2,000 hours/year	\$25.00	HP	

#### Dairy Refrigeration Tune-Up

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-10	Dairy Refrigeration Tune-Up	\$0.01	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.



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

## 2018 Agriculture Incentives

### HVAC - Gas

#### Grain Dryers

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-26	High Efficiency Grain Dryers (Reservation required)	\$0.01	Bushels dried/year		

#### Greenhouses

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
AG-27	Greenhouse Environmental Controls	\$50.00	1,000 Sq. Ft.		
AG-28	Greenhouse Under-Floor/ Under-Bench Hydronic Heating	\$0.14	Square Foot		
AG-29		\$0.08	Square Foot		

### Insulation

#### Greenhouses

Ref #	Equipment Type	Incentive	Unit	# of Units	Total Incentive
IG-5	Greenhouse Heat Curtains	\$0.05	Square Foot		
IG-6	Greenhouse Infrared Film	\$0.05	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	\$1,000.00	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 (\$145/kW) (E x \$145.00)
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.

\*\*Kilowatts Reduced = ((ASHRAE Max LPD - Actual LPD) x Area (Sq. Ft.)).

NOTE: If DNQ appears in the Total Incentives column, that LPD does not qualify.

**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 Exterior Lighting Incentive Worksheet (Attach Exterior Lighting COMcheck file to Application)

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/kW))
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: 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.

\*\*Kilowatts Reduced = ( (ASHRAE Max LPD - Actual LPD) x Area (Sq. Ft.) ).

NOTE: If DNQ appears in the Total Incentives column, that LPD does not qualify.

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.



## LEED Design Review Assistance Worksheet

LEED Project Title: \_\_\_\_\_

LEED Registration Date: \_\_\_\_\_ LEED Online Project ID: \_\_\_\_\_

### LEED Design Review

LEED Design Review Submission Date: \_\_\_\_\_

LEED Final Design Review Decisions Date: \_\_\_\_\_

LEED Certification Date: \_\_\_\_\_

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

\*Proof of certification (at least a Silver level) must be attached to the Final Application. (See the Catalog for more information)

**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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## 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 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 Final 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	\$0.04			\$3.00			
NC-3	<input type="checkbox"/> Gold	\$0.05			\$3.50			
NC-4	<input type="checkbox"/> Platinum	\$0.06			\$4.00			

\* 1 therm = 0.1 Mcf

Total Whole Building Incentives

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



## Boiler/Furnace Tune-Up Incentive Worksheet

### Tune-up Checklist - 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.

**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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## Boiler/Furnace Tune-Up Incentive Worksheet

### 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.

**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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## Boiler/Furnace Tune-Up Incentive Worksheet

### 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"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures <input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls <input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces <input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Check safety controls <input type="checkbox"/> Check adequacy of combustion air intake <input type="checkbox"/> Check for proper venting <input type="checkbox"/> Check Draft Control Dampers <input type="checkbox"/> Clean and inspect burner nozzles <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"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures <input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls <input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces <input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Check safety controls <input type="checkbox"/> Check adequacy of combustion air intake <input type="checkbox"/> Check for proper venting <input type="checkbox"/> Check Draft Control Dampers <input type="checkbox"/> Clean and inspect burner nozzles <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.

**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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## Boiler/Furnace Tune-Up Incentive Worksheet

### Tune-up Checklist - Furnace/Boiler #7

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"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures <input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls <input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces <input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Check safety controls <input type="checkbox"/> Check adequacy of combustion air intake <input type="checkbox"/> Check for proper venting <input type="checkbox"/> Check Draft Control Dampers <input type="checkbox"/> Clean and inspect burner nozzles <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"/> Adjust combustion air flow and air intake as needed, reduce excessive stack temperatures <input type="checkbox"/> Adjust burner and gas input, manual or motorized draft controls <input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surfaces <input type="checkbox"/> Complete visual inspection of system piping and installation	<input type="checkbox"/> Check safety controls <input type="checkbox"/> Check adequacy of combustion air intake <input type="checkbox"/> Check for proper venting <input type="checkbox"/> Check Draft Control Dampers <input type="checkbox"/> Clean and inspect burner nozzles <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).

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

### 2. Complete all relevant worksheets for your project.

**BEFORE YOU SUBMIT:** If the figure at right does not match the incentives you expected to request, please review your worksheets and the summary page (Page 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.