

Small and Medium Business

# 2026 Program rebate catalog



# Your steps to completing a project

## 1. Check your customer's eligibility.

- To apply for rebates, you must be a DTE commercial or industrial customer in good standing (for electricity, if you're applying for electric rebates, and natural gas, if applying for natural gas rebates). Your project must be installed at a facility served by DTE (one facility per application).
- Need help confirming your customer's eligibility? Please call 855.748.2525.

## 2. Submit the necessary information to receive a project reservation.

- A reservation application is an application that is submitted to the program prior to any part of the project upgrade being started. The program reserves the right to cancel any application that is submitted where a reservation was required and one was not received and approved by the program. A reservation is required for custom lighting and certain prescriptive measures, such as interior LEDs, and strongly encouraged for all other prescriptive measures in order to pre-approve rebate levels and reserve potential funding. If your project requires a reservation, do not begin any part of your project (including removal of old equipment) until after you have submitted your reservation application, allowed us the opportunity (up to 14 days) to conduct any pre-upgrade inspections that may be required and have issued you a reservation letter confirming that funds have been reserved for your project. The Small and Medium Business team will review project eligibility and will contact you to conduct any pre-upgrade inspections that may be necessary to reserve program funds. Neither an application nor a reservation will guarantee an rebate. Actual rebates will be calculated based on the final application. Project funds will be reserved for 90 days, or until Nov. 30, 2026, whichever comes first.

## 3. Receive your project reservation letter and complete project.

- If approved by the program, a project reservation letter will be emailed to you.
- Once you receive your project reservation letter, you may begin your project.
- Projects must be completed within 90 calendar days of receipt of the project reservation or by Nov. 30, 2026, whichever comes first.

## 4. Complete and submit your final application.

- Complete and gather all required documentation, which includes the following:
  - Customer signature page.
  - Third Party Authorization Form (when applicable).
  - An itemized customer invoice, including quantities, model numbers, labor costs and the DTE Small and Medium Business Program rebates deducted from the total project cost when the incentive is being paid to a third party.
  - Equipment specifications not submitted with the reservation applications or if they changed from what was submitted during the reservation.
- Submit the required documentation to the program via the email listed below within 60 calendar days of installation or by Nov. 30, 2026, whichever comes first.

**Email:** [saveenergy@dteenergy.com](mailto:saveenergy@dteenergy.com)

**Please note:** If the project has changed by more than 10% from the original reserved project, please contact the program at 855.748.2525. You may need to reapply for your project reservation.

## 5. Inspections.

- DTE reserves the right to inspect all projects to verify compliance with program rules and verify the accuracy of project documentation. This may include pre-installation and/or post-installation inspections. Detailed lighting layout descriptions, metering, data collection, interviews and other information may be requested as appropriate.

## 6. Receive your rebate.

- Once the final application has been approved by the program, payment will be in the form of a rebate check or an ACH deposit (depending on your payment selection). Payments should be received within 2-4 weeks of receiving a complete final application.
- To expedite the processing of your rebate, please make sure to provide all required documentation and signatures. Any missing information or incomplete forms will delay processing.
- Rebates for prescriptive projects may not exceed 100% of the project cost and for custom lighting projects may not exceed 50% of the project cost.

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## Need help?

Call: 855.748.2525

Email: [saveenergy@dteenergy.com](mailto:saveenergy@dteenergy.com)

Visit: [dteenergy.com/smallbusiness](http://dteenergy.com/smallbusiness)

## Overview

The DTE Small and Medium Business Program is designed to help small and medium businesses be more energy efficient. By participating in this program, customers will be eligible for lighting, refrigeration and HVAC rebates that are exclusive to small and medium businesses.

Certain prescriptive measures require a reservation application. This is noted as (reservation required) where applicable. These rebates do not apply to products bought through DTE's Instant Discount program. Rebates for those products are applied immediately and included in the final price.

This catalog lists the requirements for all available program measures. To complete an application, please visit [dteenergy.com/smallbusiness](http://dteenergy.com/smallbusiness).



### New construction

Measures marked with this icon are eligible for the new construction offering. When applying for new construction measures, please select new construction as your project type in the online Rebate Application. 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. Reservation applications are not required for new construction projects, although it is recommended.

# Electric lighting measures and specifications

## L1 to L8: TLED and delamping (reservation required)

Measure Name	Code	Unit
1L 2ft LED tube replacing T12 1L 2ft lamp	L1	Lamp
1L 2ft LED tube replacing T8 1L 2ft lamp	L2	Lamp
1L 3ft LED tube replacing T12 1L 3ft lamp	L3	Lamp
1L 3ft LED tube replacing T8 1L 3ft lamp	L4	Lamp
1L 4ft LED tube replacing T12 1L 4ft lamp	L5	Lamp
1L 4ft LED tube replacing T8 1L 4ft lamp	L6	Lamp
1L 8ft LED tube replacing T12 1L 8ft lamp (50/50 magnetic/electronic ballast)	L7	Lamp
1L 8ft LED tube replacing T8 1L 8ft lamp	L8	Lamp
2L 4ft LED tube replacing T12 1L 8ft	L9	Lamp
2L 4ft LED tube replacing T8 1L 8ft	L10	Lamp
Delamping T12 (per lamp) 2ft	L11	Lamp
Delamping T8 (per lamp) 2ft	L12	Lamp
Delamping T12 (per lamp) 3ft	L13	Lamp
Delamping T8 (per lamp) 3ft	L14	Lamp
Delamping T12 (per lamp) 4ft	L15	Lamp
Delamping T8 (per lamp) 4ft	L16	Lamp
Delamping T12 (per lamp) 8ft	L17	Lamp
Delamping T8 (per lamp) 8ft	L18	Lamp

### Requirements:

- Rebates are available for installing new LED tubes and de-lamping of existing fixtures.
- De-lamping is permanently reducing the quantity of linear fluorescent lamps being used in a fixture. This measure is only applicable when switching from linear fluorescents to LED tubes, and permanently removing one or more lamps from a fixture. This measure is not applicable when replacing an entire fixture.
- LED tubes must replace existing linear fluorescent lamps and must be DLC listed under version 5.0 or later.
- Must submit a reservation application.

## L19 to L38: LED lighting, shift operation (reservation required)

Measure Name	Code	Hours/week	Unit
LED lighting, 1-shift operation	L19 to L23	1-65	Kilowatt reduced

Measure Name	Code	Hours/week	Unit
LED lighting, 2-shift operation	L24 to L28	66 -115	Kilowatt reduced
LED lighting, 3-shift operation	L29 to L33	116-167	Kilowatt reduced
LED lighting, 24/7 operation	L34 to L38	168	Kilowatt reduced

### Requirements:

- Rebates are available for LED interior lamps or fixtures replacing existing lamps or fixtures with hours of use typical of one-shift, two-shift, three-shift and 24/7 operations prior to installation of new lighting.
- Replacement fixtures and lamps must be DLC listed under version 5.0 or later or ENERGY STAR® certified.
- Lighting that is on occupancy sensors is not eligible for 24/7 operation.
- Must submit a reservation application.

## ✂ L39 to L42: Exterior HID to LED lighting (dusk to dawn)

Measure Name	Code	Unit
Exterior replacement fixture/retrofit, 50-149W equivalent	L39	Fixture
Exterior replacement fixture/retrofit, 150-249W equivalent	L40	Fixture
Exterior replacement fixture/retrofit, 250-400W equivalent	L41	Fixture
Exterior replacement fixture/retrofit, above 400W equivalent (reservation required)	L42	Fixture

### Requirements:

- Must replace HID fixtures or lamps that operate from dusk to dawn.
- Lighting replacement fixtures/lamps must be DLC listed under version 5.0 or later or ENERGY STAR certified.
- Fixture replacement must result in at least a 52% power reduction.
- 1-for-1 replacement of exterior lighting must apply for these measures.
- Wattage range refers to nominal lamp wattage.

## ✂ L43 to L46: Exterior HID to LED lighting (<4160 hours)

Measure Name	Code	Unit
Exterior HID replacement 50-149W HID retrofit to LED	L43	Fixture
Exterior HID replacement 150-249W HID retrofit to LED	L44	Fixture
Exterior HID replacement 250-400W HID retrofit to LED	L45	Fixture

Measure Name	Code	Unit
Exterior HID replacement above 400W HID retrofit to LED (reservation required)	L46	Fixture

**Requirements:**

- Must replace HID fixtures or lamps.
- Lighting replacement fixtures/lamps must be DLC listed under version 5.0 or later or ENERGY STAR® certified.
- Fixture replacement must result in at least a 52% power reduction.
- 1-for-1 replacement of exterior lighting must apply for these measures.
- Wattage range refers to nominal lamp wattage.
- For exterior lighting that operates less than 4,160 hours annually.

**L47 to L49: Exterior HID to induction lighting (dusk to dawn)**

Measure Name	Code	Unit
Exterior HID replacement <150W HID retrofit to induction	L47	Fixture
Exterior HID replacement ≥150-250W HID retrofit to induction	L48	Fixture
Exterior HID replacement ≥250-400W HID retrofit to induction	L49	Fixture

**Requirements:**

- Lamps must be reduced in wattage by a minimum of 52%.
- Minimum efficacy of 50 lumens per watt.
- Color Rendering Index (CRI) of ≥80.
- Exterior fixtures must operate dusk to dawn.

**L50 to L52: Exterior HID to induction lighting (<4160 hours)**

Measure Name	Code	Unit
Exterior HID replacement <150W HID retrofit to induction	L50	Fixture
Exterior HID replacement ≥150-250W HID retrofit to induction	L51	Fixture
Exterior HID replacement ≥250-400W HID retrofit to induction	L52	Fixture

**Requirements:**

- Lamps must be reduced in wattage by a minimum of 52%.
- Minimum efficacy of 50 lumens per watt.
- Color Rendering Index (CRI) of ≥80.
- For exterior lighting that operates less than 4,160 hours annually.

**L53 to L58: Exterior LED lighting with fixture reduction (reservation required)**

Measure Name	Code	Unit
Exterior HID to LED	L53 to L55	Kilowatt reduced
Exterior fluorescent to LED	L56 to L58	Kilowatt reduced

**Requirements:**

- Rebates are available for replacing exterior HID and fluorescent fixtures.
- Replacement fixtures and tubes must be DLC listed under version 5.0 or later or ENERGY STAR® certified.
- Must have <24 hr/day operation.

**L59 to L78: Lighting controls**

Measure Name	Code	Unit
Interior occupancy sensors <150 sq. ft. controlled	L59	Sensor
Interior occupancy sensors 150-500 sq. ft. controlled	L60	Sensor
Interior occupancy sensors >500 sq. ft. controlled	L61	Sensor
Interior central lighting control	L62	10,000 sq. ft.
Interior daylight sensor controls	L63	Watt controlled
Occupancy and daylight sensors <150 sq. ft. controlled	L64	Sensor
Occupancy and daylight sensors 150-500 sq. ft. controlled	L65	Sensor
Occupancy and daylight sensors >500 sq. ft. controlled	L66	Sensor
Switching controls for multilevel lighting	L67	10,000 sq. ft.
Stairwell bi-level control	L68	kW controlled
Exterior lighting bi-level control with override, 150-1,000W HID	L69	Fixture
Exterior multi-step dimming time clock	L70	Watt controlled
Exterior LED bi-level controls 0-810W LED	L71	Fixture
Garage LED bi-level controls	L72	Fixture
Garage LED bi-level controls with photocell	L73	Fixture
DLC-listed NLC system (reservation required)	L74	10,000 sq. ft.
Light tubes and automatic daylighting control	L75	Per fixture
PC network energy management controls replacing no central control	L76	Per fixture

## L59 to L61: Interior occupancy sensors

### Requirements:

- Rebates are available for occupancy sensors for intermittent occupancy interior areas, which automatically turn lights off when not occupied.
- The minimum amount of time for the lights to stay on when no movement is sensed must be 10 minutes.
- Sensors can be passive infrared (PIR) or ultrasonic.
- Sensors installed that control a single light fixture are only eligible for the under 150 square foot tier.
- These measures can be combined with measures for HVAC occupancy sensors (GH13) if sensors are controlling both lighting and HVAC.

## L62: Interior central lighting controls

### Requirements:

- Rebates are available for automated central lighting control systems with override capabilities.
- Includes time clocks, package programmable relay panels and complete building automation controls.
- Fractional values are allowed for areas that are not multiples of 10,000 square feet.
- Floor plan must be submitted verifying square footage.

## L63: Interior daylight sensor controls

### Requirements:

- Rebates are available for daylight sensor controls in spaces with reasonable amount of sunlight exposure.
- Controls can be used to turn lights on/off, stepped dimming or continuous dimming based on light level from available daylight.
- This rebate cannot be combined with rebates for tubular skylights if they are in the same area.

## L64 to L66: Occupancy and daylight sensors

### Requirements:

- Rebates are available for sensors that detect both occupancy and light levels, and automatically turn lights off when not needed.
- These rebates are available for interior areas with intermittent occupancy and exposure to natural light.
- Vacancy sensing is also eligible.
- The minimum amount of time for the lights to stay on when no movement is sensed (delay set time) must be 10 minutes.
- The sensors can be passive infrared (PIR) or ultrasonic.
- Sensors installed that control a single light fixture are only eligible for the <150 square foot measure.
- This rebate cannot be combined with rebates for tubular skylights if they are in the same area.
- These measures can be combined with measures for HVAC occupancy sensors (GH13) if sensors are controlling both lighting and HVAC.

## L67: Switching controls for multilevel lighting

### Requirements:

- Rebates are available to install switching controls for multilevel lighting.
- This measure is applicable to spaces that require various lighting levels such as classrooms, auditoriums, conference rooms and warehouses with skylights.
- This measure requires switching or dimming to be used in conjunction with occupancy sensors and/or daylight sensors.
- Fractional values are allowed for areas that are not multiples of 10,000 square feet.
- Floor plan must be submitted verifying square footage.

## L68: Stairwell bi-level control

### Requirements:

- Rebates are available for interior stairwell lighting controls in which stepped dimming occupancy controls consist of a lighting system that operates at full power and full light output when the space is occupied, then at a reduced power level and reduced light output when unoccupied.
- To qualify for this rebate, the occupancy sensor must be installed in an interior stairwell or passageway requiring continuous lighting (24 hours a day) by code.
- The occupancy sensor must be hard-wired.
- Can be a passive infrared (PIR) or a microwave occupancy sensor.
- The sensor must reduce the fixture output to use no more than 50% of full power.

## L69: Exterior lighting bi-level control with override, 150W to 1,000W HID

### Requirements:

- Rebates are available for retrofitting existing, exterior HID lighting with bi-level controls that reduce lighting levels by at least 50% when the outdoor area is unoccupied.
- The HID lighting must have an electronic ballast capable of reduced power levels and be coupled with motion sensors to bring the light back to full lumen output for security reasons.
- Eligible controls include on/off controls, dimmers and hi-lo ballast controls.
- This measure is applicable to exterior fixtures that are on during the night.

## L70: Exterior multi-step dimming time clock

### Requirements:

- Rebates are available for timing controls that automatically reduce exterior light fixtures' power usage during periods of low traffic.
- New controls must contain a time clock system featuring multi-step dimming capabilities.
- Fixture power usage must be reduced by at least 50%, for at least five hours per night, during low traffic periods.

- A detailed controls scheme must be submitted indicating how the lights will be controlled.

### **L71: Exterior LED bi-level controls 0-810W LED**

#### **Requirements:**

- Rebates are available for retrofitting existing, exterior HID lighting with bi-level controls that reduce lighting levels by at least 50% when the outdoor area is unoccupied.
- The HID lighting must have an electronic ballast capable of reduced power levels and be coupled with motion sensors to bring the light back to full lumen output for security reasons.
- Eligible controls include on/off controls, dimmers and hi-lo ballast controls.
- This measure is applicable to exterior fixtures that are on during the night.

### **L72: Garage LED bi-level controls**

#### **Requirements:**

- Rebates are available for bi-level controls on parking garage LED lighting that reduce lighting levels by at least 50% when the area is unoccupied.
- The LED lighting must be coupled with hard-wired motion sensors to bring the light back to full lumen output for security reasons.
- This measure is applicable to parking garage fixtures that are on 8,760 hours per year.

### **L73: Garage LED bi-level controls with photocell**

#### **Requirements:**

- Rebates are available for bi-level controls on parking garage LED lighting that reduce lighting levels by at least 50% when the area is unoccupied and photocell controls turn off the lighting when adequate daylight is available.
- The LED lighting must be coupled with hard-wired motion sensors and photocells to bring the light back to full lumen output for security reasons.
- This measure is applicable to parking garage fixtures that are on 8,760 hours per year.

### **L74: DLC-listed NLC system (reservation required)**

#### **Requirements:**

- These rebates are only available for interior upgrades for human occupancy. Exterior upgrades are not eligible for networked lighting controls.
- NLC system must be listed on DLC's Lighting Controls QPL.
- Sensors are not eligible for additional rebate if sensors are controlling fixtures that are part of the NLC system.
- System should be automated and must consider occupant schedules and override for safety.

### **L75: Light tubes and automatic daylighting control**

#### **Requirements:**

- Rebates are available for new tubular skylights (light tubes) 10 inches to 21 inches in diameter.
- This measure is applicable to spaces that normally require electric lighting during peak hours (1-4 p.m. weekdays during the summer).
- Must be installed with daylight sensor controls on surrounding light fixtures.
- Surrounding areas are eligible for either sensor rebates or skylight rebates, but not both.

### **L76: PC network energy management controls replacing no central control**

#### **Requirements:**

- Rebates are available for implementing a desktop personal computer (PC) power management program for networked PCs.
- The power management software must dynamically control processing units and monitors from one central location; must collect consumption data over time; and must offer a system-wide energy savings reporting function.
- Laptops, thin clients and other network devices are not eligible for this rebate.

### **L77 to L79: Other lighting**

Measure Name	Code	Unit
LED exit signs electronic fixtures	L77	Each
Illuminated signs to LED - exterior	L78	Watt reduced
Illuminated signs to LED - interior	L79	Watt reduced

### **L77: LED exit signs electronic fixtures**

#### **Requirements:**

- Rebates are available for replacing incandescent or compact fluorescent exit signs.
- The replacement fixtures must be less than 5W.
- Must replace existing exit signs.

### **L78: Illuminated signs to LED - exterior**

#### **Requirements:**

- Rebates are available for the replacement of incandescent, fluorescent, or neon signs with LED lights.
- Existing lights should be in operation 24/7, and the existing fixture must be permanently retrofitted or replaced with a new LED fixture.
- The new LED driver must have built-in power factor correction and an IES TM21 useful life  $\geq 50,000$  hours.
- Rebates will be calculated based on watts reduced.

## L79: Illuminated signs to LED - interior

### Requirements:

- Rebates are available for the replacement of incandescent, fluorescent, or neon signs with LED lights.
- LED driver must have built-in power factor correction and LEDs must have an IES TM21 useful life  $\geq 50,000$  hours.

### Custom lighting

Measure Name	Unit
Custom lighting	kWh

### Requirements:

- Must be DLC listed under version 5.0 or later or ENERGY STAR® certified.
- Measures must not be eligible for prescriptive rebates.
- Projects must have a simple payback of greater than 1 year.
- Rebates are limited to up to 50% of the sum of the measure costs.
- Interior and exterior lighting upgrades are eligible.

## L80 to L84: Lighting power density

Measure Name	Code	Unit
Interior lighting power density	L80	kW reduced
Garage lighting power density <8,760 hours	L81	kW reduced
Garage lighting power density = 8,760 hours	L82	kW reduced
Exterior lighting power density - dusk to dawn	L83	kW reduced
Exterior lighting power density - <4,160 hours	L84	kW reduced

### Requirements:

- Install energy efficient lighting with lighting power density (LPD) in watts per square foot less than values listed in ASHRAE 90.1-2019 corresponding to the building/space type. For projects with a valid building permit issued prior to the adoption of the new Michigan energy code, ASHRAE 90.1-2013 will be considered. If documentation is not available demonstrating a permit date, project will classify under ASHRAE 90.1-2019 LPD requirements.
- To qualify, LPD must show a reduction by at least 10% below the baseline.
- COMcheck lighting compliance document or the program's Excel LPD worksheet required. Not required for buildings less than or equal to 5,000 sq. ft.
- All projects claiming light savings require:
  - Scaled lighting plans and/or site lighting plans.
  - Lighting fixture schedules
  - Specification sheets for all lamps, ballasts and fixtures.
  - Explanation for any discrepancies between the plans, schedules and specifications, as well as updates not reflected on the above document requirements.
- Exterior fixtures are grouped into the operating categories of whether they operate from dusk-to-dawn (L83) or at least 4-hours per night (L84).

- The following lighting equipment and applications are excluded from the calculation of interior lighting power:
  - Display or accent lighting that is an essential element for the function performed in galleries, museums and monuments.
  - Lighting that is integral to equipment or instrumentation and is installed by its manufacturer.
  - Lighting specifically designed for use only during medical or dental procedures and lighting integral to medical equipment.
  - Lighting integral to both open and glass-enclosed refrigerator and freezer cases.
  - Lighting integral to food warming and food preparation equipment.
  - Lighting for plant growth or maintenance. New Construction eligible plant lighting measures can be found on page 23.
  - Lighting in spaces specifically designed for use by occupants with special lighting needs including visual impairment and other medical and age-related issues.
  - Lighting in retail display windows, provided the display area is enclosed by ceiling-height partitions.
  - Lighting in interior spaces that have been specifically designated as a registered interior historic landmark.
  - Lighting that is an integral part of advertising or directional signage.
  - Exit signs.
  - Lighting that is for sale or lighting educational demonstration systems.
  - Lighting for theatrical purposes, including performance, stage and film and video production.
  - Lighting for television broadcasting in sporting activity areas.
  - Casino gaming areas.
  - Furniture-mounted supplemental task lighting that is controlled by automatic shutoff."
- The following lighting equipment and applications are excluded from the calculation of exterior lighting power:
  - Specialized signal, directional and marker lighting associated with transportation.
  - Advertising signage or directional signage.
  - Lighting integral to equipment or instrumentation and installed by its manufacturer.
  - Lighting for theatrical purposes, including performance, stage, film production and video production.
  - Lighting for athletic playing areas.
  - Temporary lighting.
  - Lighting for industrial production, material handling, transportation sites and associated storage areas.
  - Theme elements in theme/amusement parks.
  - Lighting used to highlight features of public monuments and registered historic landmark structures or buildings."

# Electric refrigeration measures and specifications

## CR1: Automatic door closers for refrigerated walk-in cooler/freezer doors (reservation required)

Measure Name	Code	Unit
Auto-closers for walk-in freezer and cooler	CR1	Door

### Requirements:

- Rebates available for installing an auto door closer to main insulated opaque door(s) of walk-in cooler or freezer.
- Must firmly close door when the door is within one inch of full closure.
- This measure has an eight-year life and is eligible for rebates every eight years.

## CR2 to CR3: Strip curtains on walk-in coolers/freezers

Measure Name	Code	Unit
Strip curtain on walk-in cooler	CR2	Sq. ft.
Strip curtain on walk-in freezer	CR3	Sq. ft.

### Requirements:

- Rebates are available for installing new strip curtains on doorways to walk-in coolers and freezers.
- Replacement of existing strip curtains is not eligible.
- Display cases are not eligible.

## CR4: Vertical night covers

Measure Name	Code	Unit
Vertical night covers	CR4	Linear ft x hrs/day closed

### Requirements:

- Rebates are available for vertical night covers installed on open refrigerated display cases.
- Rebate is per linear foot of cover per hours that the store is closed per day.

## CR5: Door gaskets on coolers and freezers

Measure Name	Code	Unit
Door gaskets on coolers and freezers	CR5	Linear foot

### Requirements:

- Rebates are available for replacing existing leaky gaskets on doorways to coolers and freezers.
- Rebates available every 4 years for doors ≥5 feet in height.
- Stand-alone ice and specialty coolers and freezers do not qualify.

## CR6 to CR7: Evaporator fan controllers for walk-in coolers and freezers

Measure Name	Code	Unit
Evaporator fan controllers on ECMs for walk-in coolers and freezers	CR6	Controller
Evaporator fan motor controls on PSC motors	CR7	Controller

### Requirements:

- Rebates available for controllers that lower fan airflow and reduce motor power consumption by at least 75% during compressor off cycles.
- Each controller must control at least two evaporator fan motors with motor sizes of 1/20 hp or greater.
- For measure CR6, the motor type must be ECM.
- For measure CR7, the motor type must be PSC.

## CR8: Display case fan ECM (reservation required)

Measure Name	Code	Unit
Display case fan ECM	CR8	Motor

### Requirements:

- Rebates available for retrofitting existing refrigerated display cases with an ECM replacing an existing standard efficiency shaded pole (SP) or permanent split capacitor (PSC) evaporator fan motor.

## CR9: ECM for walk-in freezer and cooler (reservation required)

Measure Name	Code	Unit
ECM for walk-in freezer and cooler	CR9	Motor

### Requirements:

- Rebates available for an ECM replacing shaded pole motors or PSC motor on existing walk-in cooler and walk-in freezer evaporator fans.

## CR10: Freezer and cooler display anti-sweat heater controls (reservation required)

Measure Name	Code	Unit
Freezer and cooler display anti-sweat heater controls	CR10	Door

### Requirements:

- Rebates available for anti-sweat heater controls.
- Eligible control devices that sense relative humidity in the air outside of display case and reduces/turns off glass door (if applicable) and frame anti-sweat heaters at low-humidity conditions.
- Technologies that can turn off anti-sweat heaters based on sensing condensation on inner glass pane are also eligible.

## CR11 to CR16: Refrigeration lighting

Measure Name	Code	Unit
LED refrigerated case door lighting	CR11	Per door
LED refrigerated case lighting (per foot)	CR12	Foot
Refrigerated savings due to lighting savings (-20°F - 0°F)	CR13	Watts reduced
Refrigerated savings due to lighting savings (0°F - 20°F)	CR14	Watts reduced
Refrigerated savings due to lighting savings (20°F - 40°F)	CR15	Watts reduced
Occupancy sensors for LED refrigerator lighting	CR16	Sensor

### ✦ CR11: LED refrigerated case door lighting (per door)

#### Requirements:

- Rebates are available to replace T12 or T8 fluorescent case lighting.
- Replacement case lighting must be DLC listed under version 5.0 or later or ENERGY STAR® certified.
- This rebate cannot be combined with rebates for refrigeration savings due to lighting wattage reduction (CR13 to CR15).

### ✦ CR12: LED refrigerated case door lighting (per foot)

#### Requirements:

- Rebates are available to replace T12 or T8 fluorescent case lighting.
- Replacement case lighting must be DLC listed under version 5.0 or later or ENERGY STAR® certified.
- This rebate will be calculated based on the number of case doors or refrigerated case width.
- This rebate cannot be combined with rebates for refrigeration savings due to lighting wattage reduction (CR13 to CR15).

### ✦ CR13 to CR15: Refrigerated savings due to lighting savings

#### Requirements:

- Rebates are available for the reduction in refrigeration load as a result of a reduction in lighting wattage.
- This is only available in conjunction with an eligible lighting retrofit for reach-in or walk-in coolers and freezers.
- The refrigerated space must be always maintained between -20°F and 40°F.

### ✦ CR16: Occupancy sensors for LED refrigerator lighting

#### Requirements:

- Rebates are available for adding occupancy sensor controls to LED lighting in refrigerated coolers and freezers.
- This rebate cannot be combined with rebates for CR11 or CR12.

## ✦ CR17 to CR24: Permanent magnet synchronous motors

Measure Name	Code	Unit
Permanent magnet synchronous motors (med temp walk-in, replacing SP)	CR17	Motor
Permanent magnet synchronous motors (low temp walk-in, replacing SP)	CR18	Motor
Permanent magnet synchronous motors (med temp walk-in, replacing PSC)	CR19	Motor
Permanent magnet synchronous motors (low temp walk-in, replacing PSC)	CR20	Motor
Permanent magnet synchronous motors (med temp case, replacing SP)	CR21	Motor
Permanent magnet synchronous motors (low temp case, replacing SP)	CR22	Motor
Permanent magnet synchronous motors (med temp case, replacing ECM)	CR23	Motor
Permanent magnet synchronous motors (low temp case, replacing ECM)	CR24	Motor

#### Requirements:

- Rebates are available for replacing existing standard efficiency shaded pole, permanent split capacitor evaporator or electronically commutated motors.
- Replacement must be a permanent magnet synchronous motor (PMSM).
- PMSM installed in new walk-in or case coolers do not qualify.
- This measure is intended for grocery stores, convenience stores, restaurants, deli, health care and academia that use refrigeration equipment.

### ✦ CR25 to CR32: ENERGY STAR® certified commercial glass door refrigerators and freezers

Measure Name	Code	Unit
Commercial glass door refrigerators less than 15ft <sup>3</sup>	CR25	Refrigerator
Commercial glass door refrigerators 15 to 30 ft <sup>3</sup>	CR26	Refrigerator
Commercial glass door refrigerators 30 to 50ft <sup>3</sup>	CR27	Refrigerator
Commercial glass door refrigerators more than 50ft <sup>3</sup>	CR28	Refrigerator

Measure Name	Code	Unit
Commercial glass door freezers less than 15ft <sup>3</sup>	CR29	Freezer
Commercial glass door freezers 15 to 30ft <sup>3</sup>	CR30	Freezer
Commercial glass door freezers 30 to 50ft <sup>3</sup>	CR31	Freezer
Commercial glass door freezers more than 50ft <sup>3</sup>	CR32	Freezer

**Requirements:**

- Rebates are available for replacing standard efficiency commercial refrigerators and freezers with glass door ENERGY STAR® certified refrigerators and freezers.
- The unit must run 24/7.

**CR33 to CR34: Reach-in refrigerated display case door retrofit (reservation required)**

Measure Name	Code	Unit
Reach-in refrigerated display case door retrofit -33° - 50°F (medium temp.)	CR33	Linear foot
Reach-in refrigerated display case door retrofit 0° - 32°F (low temp.)	CR34	Linear foot

**Requirements:**

- Rebates are available for installing new vertical glass doors on existing open, vertical (or multi-deck), low temperature (LT) or medium temperature (MT) display cases, or for replacing existing, open, vertical (or multi-deck) display cases with new reach-in glass door display cases.
- The air temperature inside the cases must range from 0° - 32°F (LT), or 33° - 50°F (MT).
- The case length must be equal to, or shorter than, the original case.

**✦ CR35 to CR36: Evaporator controls with demand defrost**

Measure Name	Code	Unit
Evaporator controls with demand defrost for walk-in coolers	CR35	Ton
Evaporator controls with demand defrost for walk-in freezers	CR36	Ton

**Requirements:**

- Controls must have adaptive learning via a micro-processor or web-based controller.
- Control of the defrosting system is based on demand-initiation of defrost cycle.
- Manual control (always on) of evaporator fans does not qualify.
- Temperature in coolers must range from 33° - 50°F and temperature in freezers must range from 0° - 32°F.

**CR37: Walk-in cooler evaporator motor reduction (reservation required)**

Measure Name	Code	Unit
Walk-in cooler evaporator motor reduction	CR37	Motor removed

**Requirements:**

- Rebates are available for replacing existing evaporator fan/motor assemblies for walk-in coolers (medium temperature) and freezers (low temperature).
- The installation must include evaporator or fan housing upgrades with similar cooling capacity in conjunction with the motor reduction.
- Blanking off existing fan ports or just reducing the motor hp of existing fans does not qualify.
- The existing evaporator fan motor must be at least 1/20 hp and less than 1/5 hp.
- The new evaporator fan/motor assemblies cannot increase the individual assembly's motor size.
- Rebate not applicable if the existing evaporator fan motor does not run at full speed all the time.

**Electric miscellaneous measures and rebates**

**✦ EM1: Vending machine controller retrofits**

Measure Name	Code	Unit
Vending machine controller retrofits	EM1	Controller

**Requirements:**

- Rebates are available for retrofitting existing vending machines with vending machine controllers.
- The controller must include a passive infrared occupancy sensor to turn off fluorescent lights and other vending machine systems when the surrounding area is unoccupied for 15 minutes or longer.

**✦ EM2: High efficiency hand dryers**

Measure Name	Code	Unit
High efficiency hand dryers	EM2	Per dryer

**Requirements:**

- Rebates are available for high efficiency hand dryers that replace standard efficiency hand dryers.
- High efficiency hand dryers must have a demand rating ≤1,500 watts and have a drying cycle time of ≤15 seconds.
- Replacement of paper towel dispensing and other non-electrical units do not qualify for a rebate.

### EM3: High efficiency commercial window

Measure Name	Code	Unit
High efficiency commercial window	EM3	100 sq. ft. of glazing

#### Requirements:

- Rebates are available for high performance windows having an east, west or southern exposure and a minimum 5-year manufacturer's warranty.
- The window must replace clear double-pane glass or lesser performing glazing.
- The new window must have a solar heat gain coefficient (SHGC) value of  $\leq 0.38$  and U-value of  $\leq 0.27$ . The space upgraded with the window must be an electrically air conditioned area. (To convert shading coefficient (SC) to SHGC, multiply SC by 0.87.)
- Documentation must be submitted verifying square footage.

### EM4 to EM5: ENERGY STAR® certified high efficiency clothes washers (electric water heater)

Measure Name	Code	Unit
High efficiency clothes washer (electric water heat, electric dryer)	EM4	Washer
High efficiency clothes washer (electric water heat, gas dryer)	EM5	Washer

#### Requirements:

- Rebates are available for ENERGY STAR® certified high efficiency clothes washers that are connected to an electric water heater.

### EM6: Window film

Measure Name	Code	Unit
Window film	EM6	100 sq. ft. of glazing

#### Requirements:

- Rebates are available for film applied to windows having an eastern, western, or southern exposure and a minimum 5-year manufacturer's warranty.
- Film must be applied to clear double-pane glass or lesser performing glazing.
- The installed window film must have a solar heat gain coefficient (SHGC) value of  $\leq 0.39$  and a U-value of  $\leq 0.72$ .
- The space upgraded with the glazing must be an electrically air conditioned area. To convert shading coefficient (SC) to SHGC, multiply SC x 0.87. If SC is given in percent form, convert it to decimal form before multiplying. Fractional values are allowed for areas that are not multiples of 100 square feet.
- Documentation must be submitted verifying square footage.

### EM7: Original double hung window with low U storm

Measure Name	Code	Unit
Original double hung window with low U storm	EM7	100 sq. ft. of glazing

#### Requirements:

- Rebates are available for rehabilitating double hung storm windows with low U values.
- The solar heat gain coefficient (SHGC) value must improve from  $\geq 0.73$  to  $\leq 0.27$ .
- The U-value must improve from  $\geq 1.27$  to  $\leq 0.21$ .
- Fractional values are allowed for areas that are not multiples of 100 square feet.
- Documentation must be submitted verifying square footage.

### EM8: ENERGY STAR certified electric tankless water heater

Measure Name	Code	Unit
ENERGY STAR® certified electric tankless water heater	EM8	Heater

#### Requirements:

- Rebates are available for tankless/instantaneous electric water heaters that replace existing electric storage water heaters.
- Replacement unit must have an energy factor  $\geq 0.95$ .

### EM9: VFD for process fans ( $\leq 50$ HP)

Measure Name	Code	Unit
VFD for process fans ( $\leq 50$ HP)	EM9	HP

#### Requirements:

- Rebates are available for retrofitting existing process (non-HVAC) fans  $\leq 50$  hp with VFDs.
- The installation must accompany the permanent removal or disabling of any throttling devices.
- VFD speed must be automatically controlled by differential pressure, flow, temperature, or other variable signal.
- VFDs for redundant or back-up fans are not eligible.

### HE1 to HE3: Air conditioning systems

Measure Name	Code	Unit	Qualifying Efficiency
Air conditioning system ( $< 65,000$ Btuh, 5.4 tons, 3 phase)	HE1	Tons	14-18 SEER
Air conditioning system (65,001 - 135,000 Btuh, 5.4-11.3 tons)	HE2	Tons	11-12 EER
			15.5 -19 IEER
Air conditioning system (135,001 - 240,000 Btuh, 11.3-20 tons)	HE3	Tons	11-12 EER
			15-17.5 IEER

**Requirements:**

- Rebates are available to install replacement air conditioning systems that meet or exceed qualifying cooling efficiency.
- They can be either split systems or single packaged units.
- Water-cooled systems, evaporative coolers and water source heat pumps are not eligible for this rebate.
- Split system efficiency must be for air handling and condensing unit combined.
- Qualifying efficiencies are listed in the chart above.

**HE4: Guest room energy management, electric heating and cooling**

Measure Name	Code	Unit
Guest room energy management, electric heating and cooling	HE4	Room

**Requirements:**

- Rebates are available for new sensors that control PTACs, heat pumps and other HVAC units for individual hotel rooms.
- Guest rooms must be controlled by automatic or key-based occupancy detectors.
- Replacement or retrofits of existing occupancy-based controls are not eligible.
- For multi-room suites, the rebate is per room controlled when a sensor is installed in each room.

**HE5: Guest room energy management, gas heating and cooling**

Measure Name	Code	Unit
Guest room energy management, gas heating and cooling	HE5	Room

**Requirements:**

- Rebates are available for new sensors that control PTACs, heat pumps and other HVAC units for individual hotel rooms.
- Guest rooms must be controlled by automatic or key-based occupancy detectors.
- Replacement or retrofits of existing occupancy-based controls are not eligible.
- For multi-room suites, the rebate is per room controlled when a sensor is installed in each room.

**HE6 to HE8: Packaged terminal air conditioner**

Measure Name	Code	Unit
Packaged terminal air conditioner (<7,000 Btu/hour ≥13.1 EER)	HE6	Tons
Packaged terminal air conditioner (7,000 Btu/hour to 15,000 Btu/hour ≥11.8 EER)	HE7	Tons
Packaged terminal air conditioner (>15,000 Btu/hour ≥10.5 EER)	HE8	Tons

**Requirements:**

- Rebates are available to install replacement packaged terminal air conditioners that are through-the-wall, self contained units.
- Qualifying efficiencies are provided in the chart above.

**HE9 to HE11: Packaged terminal heat pump**

Measure Name	Code	Unit	Qualifying Efficiency
Packaged terminal heat pump (<7,000 Btuh, 0.583 tons)	HE9	Tons	13.1 EER
			3.6 COP
Packaged terminal heat pump (7,000 - 15,000 Btuh, 0.583 - 1.25 tons)	HE10	Tons	11.8 EER
			3.5 COP
Packaged terminal heat pump (>15,000 Btuh, >1.25 tons)	HE11	Tons	10.5 EER
			3.4 COP

**Requirements:**

- Rebates are available to install replacement packaged terminal heat pumps that are through-the-wall, self contained units.
- Qualifying efficiencies are provided in the chart above.

**HE12: ECM motors on furnaces**

Measure Name	Code	Unit
ECM motors on furnaces	HE12	HP

**Requirements:**

- Rebates are available for replacing a shaded pole or PSC (permanent split capacitor) motor with an ECM (electronically commutated motor) on a small commercial furnace.
- Qualifying motors should be 7.5 hp or less.
- An ECM on a unit ventilator or fan coil unit are also eligible for this measure.

**HE13: VFD supply/return fan**

Measure Name	Code	Unit
VFD supply/return fan	HE13	Fan HP

**Requirements:**

- Rebates are available for adding VFD to existing supply and return air fans of VAV comfort cooling air handling systems.
- Redundant or backup fans are not eligible.
- VFDs on new equipment are not eligible for this rebate.
- The installation of a VFD must accompany the permanent removal or disabling of any throttling devices such as inlet vanes and bypass dampers.
- Rebate is per horsepower (HP) of the supply or return air fan.

## HE14: Web-based energy management system (reservation required)

Measure Name	Code	Unit
Web-enabled EMS (electric)	HE14	1000 sq. ft. cond floor area

### Requirements:

- Rebates are available for installing a web-based energy management system in existing buildings that currently have no digital automated HVAC controls or have outdated pneumatic control systems with inoperable time control functions.
- Controlled spaces cannot be occupied 24/7.
- Must include setback schedule and a scaled floor-plan with controlled areas highlighted.
- A minimum setback space temperature of at least 5° must be achieved when cooling.

## HE15: Mini split heat pump SEER 21

Measure Name	Code	Unit
Mini split heat pump SEER 21	HE15	Tons

### Requirements:

- New ductless air-source heat pump system efficiency must equal or exceed 20 SEER2 or 21 SEER, and 8.4 HSPF2 or 10 HSPF.
- Cannot be combined with Unitary (e.g., RTU) and Split Air Conditioning Systems and Heat Pumps (HV101) measure.
- Documentation must be included with the Final Application sufficient to verify the following:
  - New system manufacturer and model number
- For ductless (no heat pump) air conditioning systems, the SEER2/SEER rating of the new system
- For ductless air-source heat pump systems, the SEER2/SEER rating and the HSPF2/HSPF rating of the new system
- Nameplate (nominal) cooling capacity of the new system (tons).

# Gas HVAC measures and specifications

## GH1: Smart thermostats

Measure Name	Code	Unit
Smart thermostat	GH1	Thermostat

### Requirements:

- If 3 or more thermostats per facility, please contact program to confirm eligibility of thermostats.
- Smart thermostat must provide customer setpoint scheduling.
- Smart thermostat must be web enabled.
- Must replace either a non-programmable thermostat or a programmable thermostat that is 5 years or older.
- Must be ENERGY STAR® certified.

## GH2 to GH3: Central natural gas furnace

Measure Name	Code	Unit
Central natural gas furnace 92% efficient	GH2	Input MBH
Central natural gas furnace 95% efficient	GH3	Input MBH

### Requirements:

- Rebates are available for replacement furnaces and unit heaters that have an AFUE of 92% or greater and have a sealed combustion unit.
- Air handlers are not eligible.
- Equipment purchased for backup or redundancy is not eligible.
- Rebate is only available for equipment used in space heating conditions.

## GH4: Infrared heater

Measure Name	Code	Unit
Infrared heater	GH4	Input MBH

### Requirements:

- Rebates are available for infrared heaters with electronic ignition replacing unit heaters.
- Rebates are available for heaters used for building space heating.
- Low-intensity heaters must use non-conditioned, outside air for combustion.

## GH5 to GH12: High efficiency boilers

Measure Name	Code	Unit
High-efficiency boiler (>10,000 MBH, 88% combustion efficiency)	GH5	Input MBH
High-efficiency boiler (>10,000 MBH, 90% combustion efficiency)	GH6	Input MBH
High-efficiency boiler (<300 MBH, 88% AFUE)	GH7	Input MBH
High-efficiency boiler (<300 MBH, 90% AFUE)	GH8	Input MBH
High-efficiency boiler (>2,500 to 10,000 MBH, 88% combustion efficiency)	GH9	Input MBH
High-efficiency boiler (>2,500 to 10,000 MBH, 90% combustion efficiency)	GH10	Input MBH
High-efficiency boiler (300 to 2,500 MBH, 88% thermal efficiency)	GH11	Input MBH
High-efficiency boiler (300 to 2,500 MBH, 90% thermal efficiency)	GH12	Input MBH

### Requirements:

- Rebates are available for replacement boilers used for space heating.
- Boilers purchased for backup or redundancy are not eligible.

- Boilers must be modulating with a minimum turndown ratio of 5:1 and be of the sealed combustion type.
- Efficiency requirements for each boiler are listed in the above chart.

### GH13: Hotel guestroom energy management (gas)

Measure Name	Code	Unit
Hotel guestroom energy management (gas)	GH13	Room

#### Requirements:

- Rebates are available for new sensors that control HVAC units for individual hotel rooms.
- Guest rooms must be controlled by automatic occupancy detectors.
- Replacement or upgrades of existing occupancy-based controls are not eligible.
- For multi-room suites, the rebate is available per room controlled when a sensor is installed in each room.

### GH14: HVAC occupancy sensor

Measure Name	Code	Unit
HVAC occupancy sensor	GH14	1,000 sq. ft. cond floor area

#### Requirements:

- Rebates are available for installing HVAC occupancy sensor controls used to reset space temperatures and reduce ventilation air supplied to individual zones when they are unoccupied.
- This rebate is not available for spaces controlled by outside air demand control ventilation systems.
- Fractional values are allowed for areas that are not multiples of 1,000 square feet.
- Floor plan must be submitted verifying square footage.
- These measures can be combined with measures for interior lighting occupancy sensors (L59 to L61 or L65 to L67) if sensors are controlling both HVAC and lighting.

### GH15: Optimum start stop (reservation required)

Measure Name	Code	Unit
Optimum start stop	GH15	1,000 sq. ft. cond floor area

#### Requirements:

- During optimal start morning warm-up, the supply fan shall run continuously and the heating or cooling shall be energized but the OA damper shall remain closed unless in economizer mode.
- Floor plans showing pertinent areas should be provided along with sequence of operation.
- Service contracts with an optimal start upgrade are not eligible.
- System must feature automated setback and/or setup capabilities at least five times weekly.

### GH16: Direct-fired make-up air units

Measure Name	Code	Unit
Direct-fired make-up air units	GH16	Input MBH

#### Requirements:

- Rebates are available for replacing standard efficiency indirect fired heating units with a direct-fired make-up air unit.

### GH17: Sensible energy recovery ventilation

Measure Name	Code	Unit
Sensible energy recovery ventilation	GH17	CFM

#### Requirements:

- Rebates are available for sensible heat energy recovery ventilators (HRV) (e.g. flat plate heat exchangers).
- Both whole unit replacements with integrated HRV and retrofits to existing HVAC units are eligible.
- Sensible heat HRV should have a sensible recovery effectiveness of 55%.
- The space being served by the HRV must be heated with natural gas.
- This rebate can be combined with rebates for high efficiency HVAC units when performing a whole unit replacement with qualifying efficiency.

### GH18: Total energy recovery ventilation

Measure Name	Code	Unit
Total energy recovery ventilation	GH18	CFM

#### Requirements:

- Rebates are available for total heat energy recovery ventilators (ERV) (e.g. enthalpy wheels).
- Both whole unit replacements with integrated ERV and retrofits to existing HVAC units are eligible.
- Total heat ERV should have a total recovery effectiveness of 70%.
- The space being served by the ERV must be heated with natural gas.
- This rebate can be combined with rebates for high efficiency HVAC units when performing a whole unit replacement with qualifying efficiency.
- If an ERV does not meet the total recovery effectiveness requirement, but it does meet the sensible recovery effectiveness requirement, then it is eligible for measure GH18.

# Gas tune-up measures and specifications

## TU1 to TU3: Space heating boiler tune-up

Measure Name	Code	Unit
Space heating boiler tune-up (110-500 MBH)	TU1	Boiler
Space heating boiler tune-up (501-1,200 MBH)	TU2	Boiler
Space heating boiler tune-up (>1,200 MBH)	TU3	Boiler

### Requirements:

- Rebates available for tune-ups to natural gas-fired, space heating boilers with an input of 110 MBH or greater.
- The tune-up checklist must be filled out per boiler. Other forms that include all the required information are acceptable.
- This rebate is available once every two program years.

## TU4 to TU6: Furnace/RTU tune-up

Measure Name	Code	Unit
Furnace/RTU tune-up (40-300 input MBH)	TU4	Furnace/RTU
Furnace/RTU tune-up (301-500 input MBH)	TU5	Furnace/RTU
Furnace/RTU tune-up (>500 input MBH)	TU6	Furnace/RTU

### Requirements:

- Rebates available for combustion burner tune-up for indirect fired units with an input of 40 MBH or greater.
- The rebate is available once every two program years.
- Includes furnaces, rooftop units, unit heaters and air handling units that are indirect fired.
- A single unit with multiple burners or modules is considered one unit. A rooftop unit is considered one unit.
- A completed tune-up checklist is required.
- Other forms that include all the required information are acceptable.

## TU7: Domestic hot water heater tune-up

Measure Name	Code	Unit
Domestic hot water heater tune-up	TU7	Heater

### Requirements:

- Rebates are available for tune-ups to natural gas water heaters used for domestic hot water.
- Water heaters used primarily for pool/spa use, space heating or process load are not eligible.
- Burners must be adjusted to improve combustion efficiency as needed.
- The rebate is available once every two program years.

- Water heater size must be 199 MBH or greater input.
- The tune-up checklist must be filled out per boiler. Other forms that include all the required information are acceptable.

## TU8 to TU11: Process boiler tune-up

Measure Name	Code	Unit
Process boiler tune-up (>3,000 input MBH)	TU8	Boiler
Process boiler tune-up (3,000 - 6,000 input MBH)	TU9	Boiler
Process boiler tune-up (6,000 - <10,000 input MBH)	TU10	Boiler
Process boiler tune-up (≥10,000 input MBH)	TU11	Boiler

### Requirements:

- Rebates are available for tune-ups to natural gas water heaters used for domestic hot water.
- Boilers used primarily for domestic hot water, space heating or pool/spa use are not eligible.
- The tune-up checklist must be filled out per boiler. Other forms that include all the required information are acceptable.

## TU12 to TU15: Process burner tune-up

Measure Name	Code	Unit
Process burner tune-up (>3,000 input MBH)	TU12	Burner
Process burner tune-up (3,000 - 6,000 input MBH)	TU13	Burner
Process burner tune-up (6,000 - <10,000 MBH)	TU14	Burner
Process burner tune-up (≥10,000 MBH)	TU15	Burner

### Requirements

- Rebates are available for tune-ups to natural gas burners for process furnaces and ovens.
- A burner tune-up includes reducing excess air and stack temperature, cleaning burners, burner nozzles, combustion chamber and sealing the combustion chamber.
- Manufacturer name and equipment model number must be provided.
- The rebate is available once every two years.
- The furnace/oven size must be 500 MBH or greater input.
- The tune-up checklist must be filled out per boiler. Other forms that include all the required information are acceptable.

## TU16: Process Boiler Tune-up - Pool and SPA

Measure Name	Code	Unit
Process boiler tune-up - Pool and SPA	TU16	Input MBH

### Requirements:

- Rebates are available for tune-ups to natural gas-fired, process boilers. Boilers must be used only for pool/spa heating.
- The rebate is available once every two program years.
- The service provider must perform a combustion analysis before and after the tune-up and attach the printout to the final application. One tune-up checklist must be filled out per boiler. Other forms that include all the required information are acceptable.

## Gas domestic hot water and specifications

### ✂ HW1: ENERGY STAR® certified high draw water heater > 55 gal (UEF ≥0.86)

Measure Name	Code	Unit
ENERGY STAR® certified high draw water heater > 55 gal (UEF ≥0.86)	HW1	Heater

### Requirements:

- Rebates are available for natural gas high-efficiency storage tank water heaters that replace existing natural gas storage water heaters.
- Input heating capacity >75,000 Btu/h
- Rated storage size must be >55 gallons
- Must have a UEF ≥0.86.
- Must be ENERGY STAR® rated.

### ✂ HW2: ENERGY STAR® certified medium draw gas storage water heater ≤ 55 gal (UEF >0.81)

Measure Name	Code	Unit
ENERGY STAR® certified medium draw gas storage water heater ≤55 gal (UEF > 0.81)	HW2	Heater

### Requirements:

- Rebates are available for natural gas high-efficiency storage tank water heaters that replace existing natural gas storage water heaters.
- Input heating capacity >75,000 Btu/h
- Rated storage size must be ≤55 gallons
- Must have a UEF >0.81.
- Must be ENERGY STAR® rated.

### ✂ HW3: ENERGY STAR® certified residential-duty commercial water heater (UEF ≥0.86)

Measure Name	Code	Unit
ENERGY STAR® certified residential-duty commercial water heater (UEF ≥0.86)	HW3	Heater

### Requirements:

- Rebates are available for natural gas high-efficiency water heaters that replace existing natural gas hot water heaters.
- Input heating capacity >75,000 Btu/h and ≤105,000 Btu/h.
- Rated storage size must be <120 gallons.
- Must have a UEF ≥0.86.
- Must be ENERGY STAR® rated.

### ✂ HW4: ENERGY STAR® certified high draw gas storage water heater ≤55 gal (UEF >0.86)

Measure Name	Code	Unit
ENERGY STAR® certified high draw gas storage water heater ≤55 gal (UEF >0.86)	HW4	Heater

### Requirements:

- Rebates are available for natural gas high-efficiency storage tank water heaters that replace existing natural gas storage water heaters.
- Input heating capacity >75,000 Btu/h
- Rated storage size must be ≤55 gallons
- Must have a UEF >0.86.
- Must be ENERGY STAR® rated.

### ✂ HW5: Large high efficiency gas water heater, ≥75,000 Btuh (TE= 0.94)

Measure Name	Code	Unit
Large high efficiency gas water heater, ≥75,000 Btuh (TE= 0.94)	HW5	Heater

### Requirements:

- Must have a thermal efficiency of ≥94%.
- Input heating capacity >75,000 Btu/h.
- Rated storage size must be >55 gallons.
- Must be replacing an existing water heater.

### ✂ HW6: Instantaneous water heater (UEF ≥0.81)

Measure Name	Code	Unit
Instantaneous water heater (UEF ≥0.81)	HW6	Heater

### Requirements:

- Rebates are available for tankless/instantaneous gas water heaters that replace existing gas storage water heaters.
- Replacement unit must have a UEF of ≥0.81.

## ✦ HW7: ENERGY STAR® certified high draw tankless gas water heater (UEF >0.95)

Measure Name	Code	Unit
ENERGY STAR® certified high draw tankless gas water heater (UEF >0.95)	HW7	Heater

### Requirements:

- Rebates are available for tankless/instantaneous gas water heaters that replace existing gas storage water heaters.
- Must have a UEF ≥0.95.
- Input heating capacity ≤200,000 Btu/h.
- Must be ENERGY STAR® rated.

## ✦ HW8: High efficiency pool heater

Measure Name	Code	Unit
High efficiency pool heater	HW8	Input MBH

### Requirements:

- Rebates are available for replacement indoor pool heaters.
- Replacement heaters must have a thermal efficiency ≥84%.
- Must be rated between 500 MBH and 2,000 MBH.
- The pool heater may not be used as a back-up for solar water-heating.

## ✦ HW9 to HW10: Domestic hot water system

Measure Name	Code	Unit
High efficiency indirect domestic hot water heating system (90% efficient)	HW9	Input MBH
Mid efficiency indirect domestic hot water heating system (84% efficient)	HW10	Input MBH

### Requirements:

- Rebates are available for domestic hot water systems containing a new boiler and a separate storage tank.
- The boiler must have a thermal efficiency (AFUE) of 90% or better for a high-efficiency system.
- The boiler must have a thermal efficiency (AFUE) of 84% or better for a mid-efficiency system.
- Boiler must be 75 MBH or larger to qualify.
- Boilers used for space heating do not qualify for this rebate.

# Gas miscellaneous measures and specifications

## ✦ GM1: Compressed air

Measure Name	Code	Unit
Air compressor exhaust heat recovery	GM1	HP

### Requirements:

- Rebates available for the recovery of waste heat generated by an air compressor system.
- Waste heat can be utilized for space heating, domestic water heating or other process heating.
- The horsepower of back-up or redundant equipment cannot be included in this measure.
- Waste heat recovery system must be controlled by a thermostat, building energy management system or a manual damper to duct the waste heat into a conditioned space (or process when required).

## ✦ GM2: Ozone laundry

Measure Name	Code	Unit
Ozone laundry	GM2	Pound of wash capacity

### Requirements:

- Rebates are available for ozone injection systems added to existing or new commercial washers using hot water from a natural gas boiler or water heater.
- System must be installed on-site.
- Rebate is available only to fitness and recreational sports centers and to hotels or motels with <250 guest rooms, or similar building types.
- Rebate not available for commercial laundry.

## ✦ GM3: Demand control kitchen ventilation

Measure Name	Code	Unit
Demand control kitchen ventilation	GM3	CFM

### Requirements:

- Rebates are available to install new commercial kitchen ventilation (CKV) hood control systems for fast food and full service restaurants.
- The control system must have both thermal and smoke (opacity) sensors.
- The ventilation controller must reduce the hood flow rate when the cooking equipment is being lightly used. Rebate is per CFM of the exhaust system.

## ✦ GM4: Vertical night covers

Measure Name	Code	Unit
Vertical night covers	GM4	Linear foot x hrs/day closed

### Requirements:

- Rebates are available for night covers installed on open refrigerated display cases. Rebate does not include horizontal covers.

## ✦ GM5 to GM6: Reach-in refrigerated display case door retrofit

Measure Name	Temp	Code	Unit
Reach-in refrigerated display case door retrofit	33° - 50°F (medium temp.)	GM5	Linear foot

Measure Name	Temp	Code	Unit
Reach-in refrigerated display case door retrofit	0° - 32°F (low temp.)	GM6	Linear foot

#### Requirements:

- Rebates are available for installing new vertical glass doors on existing open, vertical (or multi-deck), low temperature (LT) or medium temperature (MT) display cases, or for replacing existing, open, vertical (or multi-deck) display cases with new reach-in glass door display cases.
- The air temperature inside the cases must range from 0° - 32°F (LT), or 33° - 50°F (MT).
- The case length must be equal to, or shorter than, the original case.
- Cases must be in a space heated by natural gas.

### GM7 to GM10: Insulation

Measure Name	Code	Unit
Roof insulation R-11 to R-24	GM7	1,000 sq. ft. roof area
Ceiling insulation R-11 to R-42	GM8	1,000 sq. ft. roof area
Wall insulation (reservation required)	GM9	1,000 sq. ft. wall area
Pool covers (reservation required)	GM10	Sq. ft. of surface area

### GM7 to GM8: Roof and ceiling insulation

#### Requirements:

- Rebates are available for adding insulation to existing buildings heated with natural gas.
- Insulation must be installed between conditioned and unconditioned spaces.
- Insulation installed above dropped commercial ceilings is not eligible.
- Pre-retrofit insulation levels must be R-11 or less to qualify.
- Final assembly insulation levels on roofs must exceed R-24.
- Final ceiling insulation levels must meet or exceed R-42.
- Application will require a scaled plan of the total roof area being insulated, a roof construction statement with R-value of the pre-retrofit roof and specifications of the proposed roof insulation.

### GM9: Wall insulation (reservation required)

#### Requirements:

- Rebates are available for adding insulation to existing walls in a space that is heated with natural gas.
- The pre-retrofit walls must not be insulated.
- The final insulation levels should exceed R-13.

### ✂ GM10: Pool covers (reservation required)

#### Requirements:

- Rebates are available for interior or exterior pool covers between 400 and 4,000 square feet in size.

### ✂ GM11 to GM12: ENERGY STAR® certified high efficiency clothes washer (gas water heater)

Measure Name	Code	Unit
High efficiency clothes washer (gas water heat, electric dryer)	GM11	Washer
High efficiency clothes washer (gas water heat, gas dryer)	GM12	Washer

#### Requirements:

- Rebates are available for ENERGY STAR® certified clothes washers connected to a gas water heater with electric or gas dryers.

### GM13 to GM15: Greenhouses

Measure Name	Code	Unit
Heat curtains for greenhouses	GM13	Sq. ft.
Infrared film for greenhouses - single layer baseline	GM14	Sq. ft.
Infrared film for greenhouses - double layer baseline	GM15	Sq. ft.

### ✂ GM13: Heat curtains for greenhouses

#### Requirements:

- Rebates are available for heat curtains that are required to be installed for heat retention in an existing gas-heated commercial growing greenhouse for agricultural use.
- Must be designed for and installed as a heat curtain.
- Curtain should meet or exceed an energy savings rating of 40% or better (U-value=0.6).
- The rebate applies to either a new curtain where a curtain was not previously in place or to replace an existing curtain that is no longer functional and is at least 5 years old.
- Floor plan must be submitted verifying square footage.

### ✂ GM14 to GM15: Infrared film for greenhouses

#### Requirements:

- Rebates are available for greenhouse film which must be infrared, anti-condensate, polyethylene plastic with a minimum thickness of 6 mils.
- Rebates is for use in an existing gas heated greenhouse.
- The IR poly must be put in place of regular poly or as a replacement for IR poly that has been in place at least 5 years.
- Coating applied onsite to existing film does not qualify.
- The measure is based on greenhouse floor area, floor plan must be submitted verifying square footage.
- Infrared film with a double layer baseline is eligible for new construction. Single layer film is not eligible.

# Appendices

## Sample invoice

123 Smith St  
Detroit, MI 48212  
555-555-5555  
youremail@here.com

**Invoice #:**  
**Invoice Date:**

### Customer

Customer Name  
123 Your Street Address  
City, State ZIP  
555-555-5555

### Service Location

123 Your Street Address  
City, State ZIP

### Scope of Work

Qty	Description	Unit Price	Total Price
10	4FT T8 20W LED Tubes	\$15.00	\$150.00
10	8FT T8 40W LED Tubes	\$30.00	\$300.00
5	150W LED Pole Lights	\$50.00	\$500.00

**Subtotal** \$950.00

**Tax** \$57.00

**DTE Rebate** -\$350.00

**Total Due** \$657.00

### Notes

Thank you for your business!

# Appendices

## Baseline wattage sheet

### 2026 baseline wattages

8 Foot Fixtures and Lamps				
Fixture	Standard T8	High-output T8	Standard T12	High-output T12
1-lamp	58	80	75	112
2-lamp	112	160	123	207
3-lamp	170	240	210	319
4-lamp	224	320	246	414
6-lamp	336	480	369	621

4 Foot Fixtures and Lamps		
Fixture	Standard T8	Standard T12
1-lamp	31	43
2-lamp	58	72
3-lamp	85	115
4-lamp	112	144
5-lamp	143	187
6-lamp	174	216
8-lamp	232	288

U-Lamps Fixtures and Lamps		
Fixture	Standard T8	Standard T12
1-lamp	32	43
2-lamp	60	72
3-lamp	92	115

2 Foot Fixtures and Lamps		
Fixture	Standard T8	Standard T12
1-lamp	18	25
2-lamp	33	50
3-lamp	47	70
4-lamp	59	100

4 Foot T5 Fixtures and Lamps		
Fixture	Standard T5	High-output T5
1-lamp	33	62
2-lamp	63	117
3-lamp	96	179
4-lamp	126	234
5-lamp	159	296
6-lamp	192	351

HID Fixtures	
Nominal Watts	Default Wattage
75	93
100	110
150	178
175	210
250	290
400	455
1000	1080

#### Contact Us

Phone: 855.748.2525

Email: [saveenergy@dteenergy.com](mailto:saveenergy@dteenergy.com)

Website: [dteenergy.com/smallbusiness](http://dteenergy.com/smallbusiness)

# Appendices

## Sample specification sheet

General	
Status	Active
Watts	40W
Fluorescent Equivalent	110W
Volts	120V-277V
Ballast Type	Type B
Shape	T8
Base	Recessed Double Contact HO/VHO
ANSI Base	R17d
Nominal Length	96.00
Finish	White
CCT (Kelvin)	4000
Temperature	Cool White
CRI	82
Lumens	5500L
Beam Spread	210
Dimmable	Non-Dimmable
Hours Rated	50000
Lamp Type	Linear
Technology	LED



S29924  
40T8/LED/96-840/BP/R17D

Electrical	
Ballasting Requirements	Ballast Bypass
Operating Frequency	50/60 Hz
Power Factor	0.9
THD	25%
Operating Temperature	-20C (-4F) to a maximum of +45C (+113F)
Physical	
MOL	94.00
MOD	1.00
Material	Glass
Lens Finish	White
Weight (lb.)	0.88

Additional Information	
Additional Info	Suitable for Emergency Lighting only with EM Driver #S8002
Shatter-Proof Type	PET Coated
Warranty	5 Year Limited - T8 LED Bulbs

Compliance	
Safety Listing	cULus
Location Rating	Damp
ENERGY STAR	No
California Status	Lawful for sale in California
RoHS Compliant	Yes
FCC Compliant	Yes
NSF Approved	Yes

