

**Energy Efficiency Program for Business**

# New construction and major renovations: Build with an energy-efficient foundation



**Build efficiently now.  
Save energy long-term.**

Call us at  
**855.748.2525**  
to learn more.

## Make energy efficiency part of your construction plans

Whether in a major renovation or new building, DTE offers rebates on energy efficient equipment. Our team of engineers will review your plans to identify eligible gas and electric measures, such as:

**Lighting:**

- Interior and exterior LEDs
- Networked lighting controls
- Exterior bi-level sensors

**HVAC:**

- Chillers
- Boilers
- Pumps
- HVAC occupancy sensors
- Make-up air units

**Custom:**

- Electric
- Natural gas

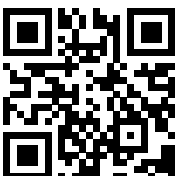
**Process:**

- VFDs
- Air compressors
- Injection molding machines
- Laser cutters
- Computer room air conditioners

**Agriculture:**

- Grow lights (retrofit and new construction)
- HVAC reductions
- Farm energy audits

**Contact us to learn about all active bonus offers!**



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Visit [dteenergy.com/business](https://dteenergy.com/business) to learn more

## Agriculture

- (AG-1) VFD on irrigation systems operating  $\geq 500$  hrs/year (reservation required)
- (AG-2) Sprinkler to drip irrigation (reservation required)
- (AG-3) Low Pressure Sprinkler Nozzles (reservation required)
- (AG-4) Scroll Compressor for Dairy Refrigeration
- (AG-5) Variable frequency controller for vacuum pump (reservation required)
- (AG-6 - AG-7) Variable frequency drive on milk pump (reservation required)
- (AG-8) Milk pre-cooler (heat exchanger chiller savings)
- (AG-9) Grain Storage Temp/Moisture Controller
- (AG-11) Low-Energy Livestock Waterer
- (AG-13 - AG-15) Circulation, exhaust and ventilation fans

- (AG-16 - AG-20) High-Volume, Low-Speed Fans
- (AG-21) Fan thermostat control (reservation required)
- (AG-22 - AG-23) VFD on fans  $\leq 50$  HP
- (AG-24 - AG-25) VFD on pumps  $\leq 50$  HP
- (AG-26) High Efficiency Grain Dryers
- (AG-27) Greenhouse Environmental Controls
- (AG-28 - AG-29) Greenhouse Hydronic Heating
- (AG-35) HVAC Reduction in Interior Horticultural Grow Rooms
- (AG-39) Dehumidification Units for Indoor horticultural
- (AG-40 - AG-41) LED grow lights (new construction)
- (AG-42 - AG-43) Total ERV Indoor Ag
- (AG-44) Heating Mats for Hog Farms

## Electric

### Process Electric

- (CA-24) Compressed Air Pressure Flow Controller
- (CA-26) VSD air compressor 50 - 500 HP
- (CA-27 - CA-29) Efficient Compressed Air Dryers
- (CA-31) No Loss Condensate Drains
- (CA-32) Compressor air storage tank
- (CA-33) Variable Displacement Air Compressor
- (CA-34) VSD air compressor  $< 50$  HP
- (CA-35 - CA-37) Heated desiccant air dryers
- (CA-38 - CA-40) Blower purge desiccant air dryers
- (CA-43) VSD air compressor 50 - 500 HP
- (CA-44) VSD air compressor  $< 50$  HP
- (CA-45 - CA-46) VSD air compressor (multiple systems) 50 - 500 HP
- (CA-47) VSD retrofit air compressor (multiple systems) 50 - 500 HP
- (CA-48) Two stage rotary screw air compressor (VSD/VD/LNL type)
- (CA-49) Low Pressure Drop Air Filters
- (CA-50) Air Compressor Outdoor Air Intake  $\geq 50$  HP
- (CA-51 - CA-52) VSD air compressor  $< 50$  HP
- (CA-53 - CA-68) Compressed Air Engineered Nozzle
- (CA-81) Dew point controls for desiccant air dryers
- (PE-10 - PE-20) VFD Process Pumps
- (PE-22) VFD on Computer Room AC (CRAC) Supply Fans
- (PE-23) 3 Phase HF Battery Charger-1-shift operation
- (PE-24) 4 Phase HF Battery Charger-2-shift operation
- (PE-25) 5 Phase HF Battery Charger-3-shift operation
- (PE-26 - PE-27) Electrically Commutated Plug Fans
- (PE-42) High Efficiency Welders
- (PE-45) Fiber Laser Cutter replacing CO2 Cutter
- (PE-46) All-electric injection molding machines replacing hydraulic injection molding machines
- (PE-47) Hybrid injection molding machines replacing hydraulic injection molding machines
- (PE-49) Fiber Laser Cutter replacing CO2 Cutter
- (PE-64 - PE-65) High Efficiency Pumps
- (PE-74 - PE-96) ENERGY STAR UPS
- (PE-97) VFDs for fixed speed process pump control
- (PE-110 - PE-118) CRAC Economizer
- (PE-119) High Efficiency CRAC
- (PE-120 - PE-127) High Efficiency CRAC
- (PE-128) Laboratory VAV Hood
- (PE-130 - PE-133) Efficient Rectifier
- (PE-134 - PE-136) Computer Room Air Side Heat Exchanger
- (PE-137) VFD for Pool Pump
- (PE-138 & PE-140) VFDs for fixed speed process fan control

- (HE-3) Unitary and Split Air Conditioning System (5.4 tons)(11.3 tons)
- (HE-4) Unitary and Split Air Conditioning System (11.3 tons)(20 tons)
- (HE-5) Unitary and Split Air Conditioning System (20 tons)(63.3 tons)
- (HE-6) Unitary and Split Air Conditioning System (63.3 tons)
- (HE-7) Air-source Heat Pumps(5.4 tons)
- (HE-9) Air-source Heat Pumps (5.4 tons)(11.3 tons)
- (HE-11) Air-source Heat Pumps (20 tons)
- (HE-17) Package Terminal Air Conditioner
- (HE-18) Package Terminal Heat Pump
- (HE-26) Hotel guest room energy management control (electric cooling/heat)
- (HE-27) Hotel guest room energy management control (electric cooling/gas heat)
- (HE-39) Variable frequency drive - VAV supply or return air fan
- (HE-40) Variable frequency drive - secondary chilled water pump
- (HE-42) Cool Roof
- (HE-43) High performance glazing in windows
- (HE-45) ECM on Small Commercial Furnaces
- (HE-51) Variable frequency drive hot water pump
- (HE-52) Variable frequency drive primary chilled water pump
- (HE-53) Variable frequency drive cooling tower fan
- (HE-55 - HE-56) Package Terminal Air Conditioner
- (HE-66 - HE-67) Package Terminal Heat Pump
- (HE-68) Double Hung Window with low U Storm
- (HE-70) Unitary and Split Air Conditioning System (63.3 tons)
- (HE-72 - HE-75) Ground Loop Heat Pump
- (HE-76) Water Loop Heat Pumps - New System

### Refrigeration

- (FE-16) Beverage Vending Machine Controllers
- (FE-20 - FE-21) Evaporator controls with demand frost for walk-in coolers/freezers
- (FE-22) Efficient Oversized Refrigeration Condenser
- (FE-25) Evaporator fan motor control on ECM for walk-in coolers and freezers
- (FE-28) Vertical Night Covers
- (FE-35 - FE-37) Refrigerated Savings due to Lighting Savings
- (FE-51 - FE-58) Walk-in and case cooler permanent magnet synchronous motor

### Lighting

- (LL-32D) LED Refrigerated Case Lighting
- (LL-33) Occupancy sensors for LED refrigerated case lighting
- (LL-84D) Exterior LED replacing HID  $< 8760$ hrs
- (LL-87) LED Refrigerated Case Lighting per LF
- (LL-87D) Exterior/Garage LED Lighting (24/7 operation)
- (LO-5) Interior daylight sensor controls
- (LO-8) Interior stairwell lighting controls
- (LO-10) Exterior Multi-Step Dimming Timing Controls
- (LO-11) Tubular Skylights
- (LO-13) Exterior LED Lighting Bi-level Controls
- (LO-14) Garage LED Lighting Bi-level Controls
- (LO-15) Garage LED Lighting Bi-level Controls w/ photocells
- (LO-17) Interior lighting power density
- (LO-18) Garage lighting power density
- (LO-19) Exterior lighting power density
- (LO-52) DLC-listed NLC system\* (tier 2 only)

### HVAC

- (CH-200 - CH-207) Air cooled reciprocating, screw or scroll
- (CH-208 - CH-217) Water cooled, screw or scroll
- (CH-218 - CH-227) Water cooled, centrifugal chiller
- (HE-2) Unitary and Split Air Conditioning System 5.4 tons

## Contact us

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## Misc. Electric

- (ME-1) Intelligent Surge Protector
- (ME-2) PC Network Energy Management Controls
- (ME-3) ENERGY STAR® High efficiency clothes washer (electric water heat, electric dryer)
- (ME-4) ENERGY STAR® High efficiency clothes washer (electric water heat, gas dryer)
- (ME-5) Heat Pump Storage Water Heater
- (ME-6) Electric Tankless Water Heater
- (ME-7) High Efficiency Hand Dryer
- (ME-8 - ME-10) Automatic High Speed Doors
- (ME-11 - ME-15) Laminar flow restrictor
- (ME-16) HP water heater - residential unit in commercial application

- (ME-17 - ME-18) NEMA premium transformers, incremental efficiency gain
- (ME-19 - ME-20) High Efficiency Liquid Immersed Transformer-Incremental Efficiency Gain
- (ME-21 - ME-22) High Efficiency Medium Voltage Dry-Type Transformer-Incremental Efficiency Gain
- (ME-23) High Efficiency Medium Voltage Dry-Type Transformer
- (ME-24) High Efficiency Liquid Immersed Transformer
- (ME-25) NEMA Premium Transformer
- (ME-26) High Efficiency Liquid Immersed Transformer
- (ME-27) High Efficiency Medium Voltage Dry-Type Transformer
- (ME-28) NEMA Premium Transformer

## Gas

### Process Gas

- (PG-15) High efficiency process boiler (water)
- (PG-16) High efficiency process boiler (steam)
- (PG-21) Air Compressor Exhaust Heat Recovery
- (PG-22 - PG-24) Process Boiler Stack Economizer
- (PG-25) Modulated boiler control for process
- (PG-28 - PG-29) Regenerative/recuperative thermal oxidizer replacement
- (PG-30) Optimized snow and ice melt controls - with idle mode
- (PG-31 - PG-37) Steam trap monitoring system industrial pressure
- (PG-38) Process Boiler Sequencing
- (PG-39) Optimized snow and ice melt controls - with idle mode

### Hot Water and Laundry

- (WG-1) High efficiency indirect domestic hot water heating system (90% efficient)
- (WG-2) Mid efficiency indirect domestic hot water heating system (84% efficient)
- (WG-3) Gas Tankless Water Heater
- (WG-4) High Efficiency Pool Heater
- (WG-5) Low-Flow Sink Aerators
- (WG-6) Low-Flow Shower head
- (WG-8) Gas Storage Water Heater < 55 gallons (WG-10) Gas Storage Water Heater > 55 gallons
- (WG-11) ENERGY STAR® High efficiency clothes washer (gas water heat, electric dryer)
- (WG-12) ENERGY STAR® High efficiency clothes washer (gas water heat, gas dryer)
- (WG-13) Ozone Laundry
- (WG-15) Water-Cooled Condenser Heat Recovery DWH
- (WG-16) Air-Cooled Condenser Heat Recovery DWH
- (WG-17) Water-Cooled Condenser Heat Recovery DWH
- (WG-18) Air-Cooled Condenser Heat Recovery DWH
- (WG-19) Laminar Flow Restrictor
- (WG-20 - WG-23) Laminar Flow Restrictor

## Misc. Gas Specifications

- (FG-12 - FG-13) Refrigeration Condenser Waste Heat Recovery

### HVAC - Gas

- (HG-1) Boiler modulating burner control retrofit
- (HG-3) High efficiency furnace 95% efficient
- (HG-5) High efficiency Boiler-Space heating
- (HG-4) High efficiency furnace 92% efficient
- (HG-7) Infrared Heaters
- (HG-9) Destratification Fans
- (HG-10) Direct Fired Make-Up Air Units
- (HG-15) Demand controlled ventilation CO2 sensor-based
- (HG-32) O2 trim controls added to boilers without linkageless controls MBH
- (HG-34) O2 trim controls added to boilers with linkageless controls
- (HG-35) Energy Recovery Ventilation - Sensible
- (HG-36) Energy Recovery Ventilation - Total
- (HG-37) Automatic High Speed Doors
- (HG-38 - HG-40) Boiler Stack Economizer
- (HG-41) Steam Trap Monitoring System-Space Heating
- (HG-48) DCV and HVAC Occ Sensor
- (HG-49) HVAC Boiler Sequencing
- (HG-51) Enhanced Ventilation Control
- (HG-53 - HG-61) High efficiency boiler-space heating

### Insulation

- (IG-5) Greenhouse Heat Curtain
- (IG-6) Greenhouse Infrared Film
- (IG-7 - IG-8) Truck Loading Dock Seals
- (IG-13) Pool Covers

## LEED

- (NC-01) LEED Design Review Electric
- (NC-01) LEED Design Review Gas

- LEED Whole Building - kWh
- LEED Whole Building - Therms

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