

# 2024 Prescriptive Electric Measures

## LIGHTING

### Lighting Specifications

- Interior LED lighting, 1 to 3 shift and 24/7 operation
- LED recessed down light fixture
- Exterior LED lighting retrofit \*
- Illuminated signs to LED - Exterior \*
- Lighting power density \*

### Controls/Daylighting

- Interior central lighting control
- Interior switching controls for multilevel lighting
- Interior daylight sensor controls \*
- Interior stairwell lighting controls \*
- Exterior HID lighting, bi-level control with override
- Exterior multi-step dimming timer controls \*
- Tubular skylights (light tubes) \*
- Exterior LED lighting bi-level controls \*
- Garage LED lighting bi-level controls with or without photocell \*
- Interior occupancy sensors
- Interior combined occupancy and daylight sensor

### Refrigeration Lighting

- LED refrigerated case lighting (doors and per lin. foot) \*
- Occupancy sensors for LED refrigerated case lighting \*
- Refrigerated savings due to lighting wattage reduction \*

### Networked Lighting Controls

- DLC-listed NLC system (tier 2 only) \*

## HVAC

### Air Conditioning Systems and Heat Pumps

- Unitary and split air conditioning systems \*
- Air source heat pumps \*
- Closed loop water source heat pumps \*
- Packaged terminal AC and heat pump (PTAC/PTHC) \*
- Ground-loop heat pumps (GLHP) \*

### HVAC Controls

- Hotel guestroom energy management control \*
- Web-based energy management system (EMS)
- Chilled water reset 5° or 10° (air and water-cooled chillers)
- HVAC occupancy sensors \*
- Chiller plant optimization
- Optimum start
- DDS/MZS to VAV
- CAV to VAV

### Other HVAC

- Economizer
- Cool roof \*
- High performance glazing in windows \*
- Window film
- EC motors on small commercial furnaces replacing non-EC motors \*
- Efficient chilled water pump
- Efficient hot water pump
- Variable frequency drives - HVAC fans/pumps \*
- High-volume, low-speed fans \*
- Original double hung windows with low U storm \*
- Chillers \*

### HVAC Tune-Ups

- Refrigerant charging correction on RTU AC
- DX condenser coil cleaning
- Chiller tune-up

## PROCESS ELECTRIC

### Compressed Air

- Compressed air engineered nozzle \*
- Compressed air pressure flow controller \*
- VSD air compressors (single and multiple systems) \*
- Retrofit air compressor (multiple systems)
- Two stage rotary screw air compressor \*
- Low pressure drop air filters \*
- Air compressor outdoor air intake \*
- Efficient compressed air dryers \*
- Refrigerated air dryer replacing desiccant air dryer
- No-loss condensate drains \*
- Compressed air storage tank \*
- Variable displacement air compressor \*
- Heated desiccant air dryers \*
- Blower purge desiccant air dryers \*
- Dew point sensor controls for desiccant dryers \*

### Variable Frequency Drives for Process

- Variable frequency drives (VFD) for process pumps \*
- VFD for fixed speed process pump control or process fans \*
- ECMs for fixed speed process fans \*
- VFD on computer room air conditioning (CRAC) supply fans \*
- VFD on process cooling tower fans \*

### Miscellaneous Process

- High efficiency pumps \*
- Industrial 3-phase high frequency battery chargers
- Process cooling ventilation reduction (CFM)
- Barrel wraps for injection molders and extruders \*
- Insulation for pellet dryer ducts
- Tank insulation
- Electric motors replacing pneumatic (air) motors
- High efficiency welders - inverter style \*
- Air blowers replacing compressed air blow-off
- Electric tools replacing pneumatic (air) tools
- Cordless electric tools replacing pneumatic (air) tools
- Fiber laser cutter replacing CO2 laser cutter \*
- Injection molding machines replacing hydraulic machines \*
- VSD plastic injection molding machines
- ENERGY STAR® UPS \*
- Laboratory - VAV hood \*

### Telecommunications

- Electronically commutated plug fans for data centers
- CRAC hot aisle cold aisle configuration \*
- CRAC air side, glycol, refrigerant economizer \*
- High efficiency CRAC \*
- Computer room air side heat exchanger
- Efficient rectifier \*
- Intelligent multi-socket surge protector \*
- PC network energy management controls \*

## MISCELLANEOUS ELECTRIC

### Refrigeration

- Evaporator controls w/demand defrost for walk-in coolers/freezers \*
- Efficient refrigeration condenser \*
- ECM motor for reach-in or walk-in cooler/freezer
- Evaporator fan motor control for walk-in cooler/freezer
- Walk-in cooler/freezer evaporator fan motor reduction
- Vertical night covers \*
- Strip curtains on walk-in cooler/freezer doors
- Door gaskets on coolers/freezers
- Automatic door closers for refrigerated walk-in
- Reach-in refrigerated display case door retrofit
- Walk-in and case cooler permanent magnet synchronous motor \*

### Controls

- Beverage vending machine controllers \*
- Anti-sweat heater controls
- Floating head pressure controls

### Miscellaneous Electric

- ENERGY STAR® high efficiency clothes washer (electric water heater) \*
- Heat pump storage or tankless water heater \*
- High efficiency hand dryer \*
- Automatic speed doors \*
- Laminar flow restrictor \*
- High-efficiency and NEMA Premium Transformers \*

### Indoor Agriculture

- LED grow lights
- LED grow lights (new construction) \*
- HVAC reduction due to LED lighting horticultural grow rooms \*
- Dehumidification units \*

# 2024 Prescriptive Natural Gas Measures

## HVAC GAS

### Boilers and Furnaces

- Boiler modulating burner control \*
- Boiler water reset control
- High efficiency gas furnace/unit heater \*
- High efficiency space heating boiler \*
- Steam trap repair/replacement
- Steam trap monitoring system - space heating \*
- O2 trim controls added to boilers without linkageless controls \*
- Linkageless boiler controls
- O2 trim controls added to boilers with linkageless controls \*
- Boiler stack economizer \*
- HVAC boiler sequencing \*

### Other HVAC

- Infrared heaters \*
- Destratification fans \*
- Direct fired make-up air units \*
- Outside air ventilation reduction
- Sensible energy recovery ventilation \*
- Total energy recovery ventilation \*
- Automatic high speed doors - exterior doors \*
- Original double hung windows with low U storm \*
- Window reduction

### HVAC Controls

- Demand controlled ventilation CO2 sensor-based \*
- HVAC occupancy sensor \*
- Hotel guestroom energy management control (gas heat) \*
- Optimum start
- DCV and HVAC occupancy sensor \*
- Enhanced ventilation control \*
- DDS/MZS to VAV
- CAV to VAV

## HOT WATER & LAUNDRY

### Hot Water

- Domestic hot water system \*
- Gas tankless water heater \*
- High efficiency pool heater \*
- Low-flow sink aerator \*
- Low-flow showerhead \*
- Laminar flow restrictors \*
- Condenser heat recovery \*

### Gas Storage Water Heater

- Gas storage water heater (<55 gallons) \*
- Gas storage water heater (>55 gallons) \*

### Laundry

- ENERGY STAR® clothes washer (gas water heater) \*
- Ozone laundry system \*

## INSULATION

### Insulation

- Pipe wrap - steam boiler
- Pipe wrap - steam boiler condensate return
- Pipe wrap - hot water boiler
- Pipe wrap - domestic hot water
- Truck loading dock seals \*
- Truck loading dock leveler seals \*
- Roof insulation (flat roofs and attic roofs)
- Wall insulation
- Pool covers \*

## PROCESS GAS

### Process Gas

- Furnace tube inserts
- High efficiency process boiler (water or steam) \*
- Tank insulation
- Air compressor exhaust heat recovery \*
- Process boiler stack economizer \*
- Modulated boiler control for process \*
- Regenerative/recuperative thermal oxidizer \*
- Optimized snow and ice melt controls \*
- Steam trap monitoring system - process heat \*
- Process boiler sequencing \*

## MISCELLANEOUS GAS

### Miscellaneous Gas

- Vertical night covers \*
- Refrigeration condenser waste heat recovery (domestic water heater) \*
- Refrigeration condenser waste heat recovery (space heating) \*
- Reach-in refrigerated display case door retrofit

## TUNE-UPS

### Boiler Tune-Up

- Boiler tune-up (space heating boilers only)
- Boiler tune-up (process boilers only)
- Domestic hot water boiler tune-up
- Process boiler tune-up (pool/spa)

### Furnace/RTU Tune-Up

- Forced air gas furnace or rooftop unit tune-up (space heating units)

### Process Furnace/Burner Tune-Up

- Process furnace/burner tune-up

## What if I'm installing equipment that isn't listed?

If your project involves measures not listed here, you should consider applying for custom rebates. These are paid based on each project's first-year energy savings. All custom rebates require a reservation application prior to beginning your project.

## New construction and major renovation projects

If your project involves the construction of a new building or repurposing an existing structure, you should apply for rebates using the new construction / major renovation program-type in our rebate application.

Rebates offered through this program are ideal for projects that either involve LEED certification or prescriptive measures. Look for the asterisk symbol to identify qualifying new construction measures.

Apply for commercial and industrial energy-efficiency project rebates at [mienergyrebates.com](https://mienergyrebates.com)