

DX TUNE-UP INCENTIVES WORKSHEET

January 1 through December 31, 2021

Directions: Please save a copy of this form to your computer by selecting “File/Save As” before entering text and numbers. Then fill in your information electronically and select “Save.” Note that this form requires Adobe Reader® version 11.0 to function properly. Download the most recent version of Adobe Acrobat Reader DC® at <http://get.adobe.com/reader>.

General Specifications

1. **To receive incentives, submit a final application; no pre-application needed**
2. Ensure equipment meets program requirements (see specifications on pages 2-6)
3. All fields are required unless noted.
4. Photographs that show baseline equipment specifications are required for all measures
5. Install equipment or perform project work
6. Use this worksheet to apply for DX tune-up incentives
 - Submit the standard application form, the DX tune-up incentives worksheet and required documentation within 60 days of project completion
7. Incentives on this worksheet may also be available on the standard HVAC incentives worksheet. You may only apply for one incentive per piece of equipment.
8. Reply promptly to any requests for clarification or additional documentation
9. Receive incentive payment
 - Receive your incentive payment after a technical review and application approval by the program team.
 - **ComEd cannot issue certain incentives or rebates unless it is provided with: 1) certification that measures were self-installed by the ComEd customer, or 2) evidence that applicable measures were installed by an installer certified with the Illinois Commerce Commission.**

Questions? Call **855-433-2700** or email BusinessEE@ComEd.com

Facility Type (check ONE):			
Assembly	Convenience store	Office (low-rise building)	Retail (strip mall)
Assisted living	Garage	Religious building	Miscellaneous
College	Grocery	Restaurant	
Conditioned storage (warehouse)	Manufacturing facility	Retail (department store)	

Customer Name:

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Air Conditioning Tune-up

Tune-up of existing rooftop cooling unit including cleaning and refrigerant checks to improve efficiency of system.

Specifications and Eligible Equipment

1. AC unit must be at least 3 tons in cooling capacity.
2. Facility cannot have an existing maintenance contract.
3. System cannot have received a tune-up in the last 36 months.

Basic

\$15 per ton

Specifications

1. Contractor must at a minimum clean condenser and evaporator coils.

TYPE OF AC UNIT	NUMBER OF UNITS	TONNAGE OF UNIT	INCENTIVE
INCENTIVE SUBTOTAL			\$

Full

\$25 per ton

Specifications

1. Contractor must at a minimum clean condenser and evaporator coils, and adjust refrigerant charge.

TYPE OF AC UNIT	NUMBER OF UNITS	TONNAGE OF UNIT	INCENTIVE
INCENTIVE SUBTOTAL			\$

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Notched V-belt

\$10 per HP

Replacement of a standard V-belt on an existing HVAC fan motor with a cogged V-belt.

TYPE OF FAN	NUMBER OF FANS	HP OF FAN	INCENTIVE
INCENTIVE SUBTOTAL			\$

Packaged RTU Sealing

\$10 per ton

Seal areas of the RTU that are readily accessible and can be easily sealed to prevent air infiltration.

Specifications and Eligible Equipment

- Existing RTU must be a constant volume system serving a single zone and have a functional economizer.
- Existing RTU cannot have previously received a sealing service.
- Contractor must at a minimum review and seal as appropriate the following areas:
 - Economizer hood
 - RTU curb
 - Non-removable cabinet panels

TYPE OF EQUIPMENT	HEATING TYPE ELECTRIC / NATURAL GAS	NUMBER OF UNITS	TONNAGE OF UNIT	INCENTIVE
INCENTIVE SUBTOTAL				\$

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Packaged RTU Advanced Controls

\$100 per ton

Advanced control systems installed on packaged rooftop units serving constant volume HVAC systems to modulate the supply fan in conjunction with demand control ventilation and air-side economizer control.

Specifications

1. Advanced control systems must be installed on existing packaged rooftop units serving constant volume HVAC systems.
2. Existing rooftop units must be air-cooled and utilize direct expansion (DX) cooling technology.
3. This measure is only applicable for air-conditioning units that use electric cooling and natural gas heating (it is not applicable for heat pumps, which use electric cooling and heating).
4. The following are not eligible:
 - Advanced control systems installed on new packaged rooftop units
 - Advanced control systems installed on existing variable-air-volume (VAV) distribution systems
 - Advanced controls installed on split DX cooling systems (the condenser and compressor are packaged separately from the evaporator)
5. This measure cannot be applied for in conjunction with the demand control ventilation, energy management system, variable speed drive or air-side economizer measures.
6. The customer must provide a clear and concise seasonal operating schedule for the existing rooftop unit(s) associated with the advanced controls retrofit.
7. The advanced control system must implement demand control ventilation and variable fan speed strategy (any other control strategies will be assessed on a case-by-case basis to determine eligibility). The demand-controlled ventilation modulates the outside air damper based on CO2 concentration in the conditioned space.
8. The advanced control system must run the supply/evaporator fan continuously during the occupied period.
9. This measure only applies to rooftop units with three-phase supply fans.
10. The rooftop units must be able to run without failing for at least five (5) years after the advanced controls retrofit (to confirm program compliance, a diagnostics report from the contractor confirming that the equipment is in good working condition must be submitted with the application).
11. The economizer and demand control ventilation functions must be controlled by the advanced controllers using sensors provided with the advanced controller package. Existing economizer controls or sensors may not be reused as part of the installation. The economizer will be locked out when the dry bulb temperature exceeds 69°F.

Advanced Control Strategy (check all that apply):

- | | | |
|---|--|---|
| <input type="checkbox"/> Variable speed fan | <input type="checkbox"/> Integrated economizer | <input type="checkbox"/> Demand control ventilation |
| <input type="checkbox"/> Compressor on-off control | <input type="checkbox"/> Staged cooling | <input type="checkbox"/> Differential dry-bulb temperature or enthalpy economizer |
| <input type="checkbox"/> Other <input style="width: 150px; height: 20px;" type="text"/> | | |

TYPE OF EQUIPMENT	HEATING TYPE ELECTRIC / NATURAL GAS	NUMBER OF UNITS	TONNAGE OF UNIT	INCENTIVE
INCENTIVE SUBTOTAL				\$

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Economizer Repair and Optimization

Inspection, repair and setting adjustment for existing economizers on rooftop cooling units. This can include repair of components and adjustment of settings for when economizer is functioning.

Specifications and Eligible Equipment

1. Only applicable for single zone units.
2. Existing economizer is not operating as designed due to mechanical/control problems.
3. Contractor should review the unit and perform the following corrections as necessary following ASHRAE 90.1 guidelines:
 - Replace damper motor
 - Repair damper linkage
 - Repair economizer wiring
 - Reduce over-ventilation
 - Replace economizer sensors
 - Replace economizer controls
 - Adjust economizer changeover setpoint
 - If feasible, wire unit to allow for two-stage cooling

ABCD or Dry-Bulb

\$5 per ton

Repair or optimize economizer with analog ABCD or fixed dry-bulb changeover.

TYPE OF EQUIPMENT (SPECIFY IF ABCD OR DRY-BULB)	EXISTING CONDITION	NEW CONDITION	NUMBER OF UNITS	TONNAGE OF UNIT	INCENTIVE
INCENTIVE SUBTOTAL					\$

Enthalpy

\$10 per ton

Repair or optimize economizer with fixed enthalpy changeover.

TYPE OF EQUIPMENT	EXISTING CONDITION	NEW CONDITION	NUMBER OF UNITS	TONNAGE OF UNIT	INCENTIVE
INCENTIVE SUBTOTAL					\$

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Thermostats

\$150 per thermostat

Installation of either a programmable or a smart thermostat to reduce heating and cooling consumption in a small commercial building. New thermostat must have automated capabilities, such as the ability to establish a schedule of time and/or temperature setpoints.

Specifications and Eligible Equipment

- Existing thermostat must be manually operated with no automated capabilities.
- RTU controlled by thermostat must serve a single zone.
- Photographs of existing thermostat and/or system name plate are required.

Definitions

- SEER** - Seasonal Energy Efficiency Ratio
- EER** - Energy Efficiency Ratio
- HSPF** - Heating Seasonal Performance Factor
- AFUE** - Annual Fuel Utilization Efficiency

NUMBER OF THERMOSTATS	TONNAGE OF UNIT CONTROLLED	SEER	EER	HSPF (electric heated systems)	AFUE (natural gas heated systems)	INCENTIVE
INCENTIVE SUBTOTAL						\$

GRAND TOTAL INCENTIVE REQUESTED

Incentive cannot exceed 100 percent of the incremental measure cost and 75 percent of the total project cost and must meet all program terms and conditions.