

AGRICULTURAL INCENTIVE WORKSHEET

January 1, 2019 through December 31, 2019

EQUIPMENT TYPE AND DEFINITION				
ENERGY CONSERVATION MEASURE	UNIT	INCENTIVE	QUANTITY	TOTAL INCENTIVE
LED Fixtures	\$0.70	Per Watt Reduced		
TLED Retrofits	\$0.70	Per Watt Reduced		
Occupancy Sensors	\$0.12	Per Watt Controlled		
Time Clocks for Lighting	\$0.25	Per Watt Controlled		
Photocells for Lighting (Outdoor Only)	\$0.20	Per Watt Controlled		
Photocells Plus Time Clocks (Outdoor Only)	\$0.35	Per Watt Controlled		
Engine Block Timer	\$24.00	Per Timer		
Thermally-Insulated Livestock Waterer	\$130.00	Per Waterer		
High-Volume Low-Speed (HVLS) Fan	\$1,200.00	Per Fan		
High-Speed Exhaust and Ventilation Fan (24"-35" Diameter)	\$40.00	Per Fan		
High-Speed Exhaust and Ventilation Fan (36"-47" Diameter)	\$75.00	Per Fan		
High-Speed Exhaust and Ventilation Fan (48"-71" Diameter)	\$150.00	Per Fan		
High-Speed Circulation Fan (24"-35" Diameter)	\$40.00	Per Fan		
High-Speed Circulation Fan (36"-47" Diameter)	\$75.00	Per Fan		
High-Speed Circulation Fan (48"-71" Diameter)	\$150.00	Per Fan		
No-Loss Condensate Drains	\$500.00	Per Drain		
Variable Displacement Screw Air Compressor	\$40.00	Per HP		
Compressed Air Pressure Flow Controller	\$12.00	Per HP		
Variable Speed Drive (VSD) for Air Compressor ≤150 HP	\$70.00	Per HP		
Air Compressors with Integrated Variable Speed Drives (VSDs) ≤150 HP	\$400.00	Per HP		
Variable Speed Drive (VSD) for HVAC Fan or Pump ≤200 HP	\$150.00	Per HP		
HVAC Air-Cooled Chiller	\$6.00	Per Integrated Part Load Value (IPLV) Improvement Per Ton		
Custom (Lighting)	\$0.07	\$/kWh Saved (See Custom Worksheet)		
Custom (Non-Lighting)	\$0.12	\$/kWh Saved (See Custom Worksheet)		

AGRICULTURAL INCENTIVE WORKSHEET

January 1, 2019 through December 31, 2019

LED FIXTURES

\$0.70 per watt reduced

Replacement of an existing interior lighting system with a new lighting system containing LED fixtures (project does not have to be a one-for-one replacement).

Note: This measure does not apply to channel signs, open signs or refrigerated display case lighting.

TLED RETROFITS

\$0.70 per watt reduced

Replacement of an existing interior lighting system with a retrofit lighting system containing LEDs.

Note: This measure does not apply to channel signs, open signs, LED screw-based replacement for HID lamps or refrigerated display case lighting.

Specifications and Eligible Equipment

1. Product must be listed on the DesignLights Consortium Qualified Products List available at www.designlights.org.
2. Linear types A and B LED tubes are not eligible for standard incentives but may be eligible for instant discounts from participating distributors; visit ComEd.com/BizLights for details.

OCCUPANCY SENSORS

\$0.12 per watt controlled

Installation of new occupancy sensors on a new or existing lighting system. Passive infrared, ultrasonic detectors and fixture-integrated sensors or sensors with a combination thereof are eligible.

Specifications

1. Replacement of existing occupancy sensors is not eligible for this incentive.
2. An inventory of the controlled fixtures is required with the final application.

TIME CLOCKS FOR LIGHTING

\$0.25 per watt controlled

Installation of time clocks on exterior lighting.

Specifications

1. Clocks must control on/off schedule of lighting equipment and must have a three-hour backup system to maintain the program schedule during power outages.
2. Astronomical time clocks (where on-off times are in accordance with sunrise and sunset) are required for outdoor lighting when photocells are not in use.
3. An inventory of controlled fixtures is required with the final application.

PHOTOCELLS FOR LIGHTING (OUTDOOR ONLY)

\$0.20 per watt controlled

Installation of photocells on exterior lighting.

Specifications

1. Eligible controls are built-in or standalone photoelectric cells that switch outdoor lights on at dusk and off at dawn.

AGRICULTURAL INCENTIVE WORKSHEET

January 1, 2019 through December 31, 2019

PHOTOCELLS PLUS TIME CLOCKS (OUTDOOR ONLY)

\$0.35 per watt controlled

Installation of both photocells and time clocks to control the same lighting fixture.

Specifications

1. Must meet all specifications for photocells and time clocks for lighting.
2. Time clocks must turn off lighting equipment at least 3 hours per night each night.

ENGINE BLOCK TIMER

\$24.00 per timer installed

Installation of a timer for engine block heater to reduce unnecessary run time.

Specifications

1. UL or ETL listed outdoor timer rated for minimum of 15 amps of continuous duty.
2. Turns on the heater only when the outdoor temperature is below 25°F.
3. Maximum of 4 hours of heating prior to use.

THERMALLY-INSULATED LIVESTOCK WATERER

\$130.00 per waterer installed

Replacement of open waterer that has a sinking or floating electrical heating element with a new thermally-insulated livestock waterer.

Specifications

1. New waterer must be an electrically-heated, thermally-insulated waterer.
2. There must be a minimum of 2 inches of insulation on waterer.
3. A thermostat is required on units with a heating element > 250 watts. The thermostat must keep the water above 32°F and disable the heater when the outside temperature is above 55°F.
4. New waterer must be the same size (equivalent-herd-size watering capacity) as existing unit.

HIGH-VOLUME LOW-SPEED (HVLS) FAN

\$1,200.00 per fan installed

Replacement of 6 or more existing non-high-volume low-speed fans (HVLS) (approximately 3 feet in diameter, cage/basket fans, wall or ceiling mounted/suspended) with new HVLS fans.

Specifications

1. HVLS fans must be horizontally-mounted ceiling fans with a diameter of at least 20 feet.
2. Each fan motor must have VSD controls.
3. Low-volume high-speed fans (approximately 3 feet in diameter, cage/basket fans, wall or ceiling mounted/suspended) are not eligible.

HIGH-SPEED EXHAUST AND VENTILATION FAN (24"-35" DIAMETER)

\$40.00 per fan installed

Qualifying Efficiency

14.0 cfm/W @ 0.10" SP

HIGH-SPEED EXHAUST AND VENTILATION FAN (36"-47" DIAMETER)

\$75.00 per fan installed

Qualifying Efficiency

17.1 cfm/W @ 0.10" SP

AGRICULTURAL INCENTIVE WORKSHEET

January 1, 2019 through December 31, 2019

HIGH-SPEED EXHAUST AND VENTILATION FAN (48"-71" DIAMETER)

\$150.00 per fan installed

Qualifying Efficiency

20.3 cfm/W @ 0.10" SP

HIGH-SPEED CIRCULATING FAN (24"-35" DIAMETER)

\$40.00 per fan installed

Qualifying Efficiency

12.5 lbf/kW

HIGH-SPEED CIRCULATING FAN (36"-47" DIAMETER)

\$75.00 per fan installed

Qualifying Efficiency

18.2 lbf/kW

HIGH-SPEED CIRCULATING FAN (48"-71" DIAMETER)

\$150.00 per fan installed

Qualifying Efficiency

23.0 lbf/kW

NO-LOSS CONDENSATE DRAINS

\$500.00 per drain

Replacement of existing standard condensate drains (open valve, timer or both) with no-loss drains

Specifications and Eligible Equipment

1. Incentives are only available for new no-loss condensate drains. Replacement or upgrades of existing no-loss condensate drains are not eligible for this incentive.
2. Manufacturer's specifications for the no-loss condensate drain must accompany the application.
3. Specify the drain type being replaced: Timer Open valve
4. Specify the compressor type together with the control type:
Reciprocating: On/off Load/unload
Screw: Load/unload Inlet modulation Inlet modulation with unloading Variable displacement
 Variable speed drive Other _____

VARIABLE DISPLACEMENT SCREW AIR COMPRESSOR

\$40.00 per HP

Replacement of a screw modulating or load/unload compressor with a variable displacement screw compressor

Specifications and Eligible Equipment

1. This is for new displacement compressors only.
2. The rated horsepower of the compressor must be ≥ 50 HP.

AGRICULTURAL INCENTIVE WORKSHEET

January 1, 2019 through December 31, 2019

COMPRESSED AIR PRESSURE FLOW CONTROLLER

\$12.00 per HP

Installation of compressed air pressure flow controller to increase the control of an air storage strategy

Specifications and Eligible Equipment

1. Pressure flow controller must be installed downstream of the primary air storage receiver tank before the process loop.
2. Pressure flow controller must be installed on the main pressure header, not to replace drop line regulators or filter regulator lubricators.
3. The compressor must be ≥ 50 HP.
4. The actual discharge pressure must be reduce by ≥ 0.5 psig.

VARIABLE SPEED DRIVE (VSD) FOR AIR COMPRESSOR ≤ 150 HP

\$70.00 per HP

General Specifications

1. A pre-approval application is required; review instructions on the Agricultural Pre-approval and Final Application. Wait for pre-approval before starting your project.
2. Installation of the VSD must accompany the permanent removal or disabling of existing flow control devices.
3. VSD must be installed on a piece of equipment with varying load.
4. Custom incentives are available for projects greater than 150 hp.

AIR COMPRESSORS WITH INTEGRATED VARIABLE SPEED DRIVES (VSD) ≤ 150 HP

\$400.00 per HP

New or replacement of an air compressor without an integrated VSD with a VSD-integrated air compressor

Specifications and Eligible Equipment

1. Compressors must run a minimum of 1,200 hours per year.
2. Air compressors purchased or installed for backup or redundant systems do not qualify.
3. Replacing existing air compressor with integrated VSD with a new VSD-integrated air compressor does not qualify.
4. Air compressors larger than 150 HP may be eligible for custom incentives

VARIABLE SPEED DRIVE (VSD) FOR HVAC FAN OR PUMP ≤ 200 HP

\$150.00 per HP

Installation of a VSD on an HVAC fan or pump 200 HP or less.

Specifications and Eligible Equipment

1. The VSD must be installed with automatic control technology.
2. The following VSD applications are not eligible:
 - Replacement of existing VSD
 - VSD installed on equipment which operates less than 1,200 hours per year
 - VSD installed on redundant/backup motors
 - VSD installed in place of multi-speed flow control equipment (e.g., two-speed cooling tower fans)
 - VSD installed for the purpose of "soft-starting" motors
 - VSD installed on pumps where affinity laws are not in effect, such as sump pumps
3. The following VSD applications are not eligible for this incentive but may be eligible for a custom incentive:
 - VSD installed in place of variable pitch blade flow control equipment
 - VSD installed on a motor larger than 200 HP
4. VSD installation in a data center is not eligible for this incentive but may be eligible for a custom incentive.
5. If new construction, VSDs required by code are not eligible.
6. VSDs installed on fan or pump larger than 200 HP may be eligible for custom incentives.

AGRICULTURAL INCENTIVE WORKSHEET

January 1, 2019 through December 31, 2019

HVAC AIR-COOLED CHILLER

\$6.00 per integrated load value (IPLV) improvement per ton

Specifications and Eligible Equipment

1. This incentive is only applicable to systems used for space cooling. Process cooling systems are not eligible for this incentive, but may be eligible for a custom incentive. Visit ComEd.com/Custom for more information.
2. Must have a rated kW/ton for the Integrated Part Load Value (IPLV) that is less than the qualifying efficiency.
3. Efficiency rating must be based on AHRI Standard 550/590 (I-P)-2018 for IPLV conditions and not based on full-load conditions.
4. Must qualify for either IECC 2015 Path A or B efficiency, but will receive incentives based on qualifying efficiencies below.
5. Refrigerant must comply with local codes.
6. The AHRI net capacity value should be used to determine the chiller tons.
7. A manufacturer's specification sheet with the rated kW/ton-IPLV or COP-IPLV and nominal tonnage must accompany the application.
8. Redundant chillers are not eligible for incentives.

CUSTOM LIGHTING

Replacement of lighting that is not covered by the LED Fixtures or LED Retrofits measures may be eligible for custom incentives. Visit ComEd.com/Custom for more information and custom worksheets.

CONTACT US:

- Email: BusinessEE@ComEd.com
(10MB file size limit; submit multiple emails if necessary)
- Fax: **773-853-2205**
- Mail: **The ComEd Energy Efficiency Program, 120 N. Racine Ave., Ste. 220, Chicago, IL 60607**

Download incentive applications and worksheets at ComEd.com/Agriculture.

Questions? Call **855-433-2700** or contact the applicable email address above.