



# BUSINESS ENERGY EFFICIENCY PROGRAMS

## 2023 BUSINESS SOCIAL SERVICES INCENTIVES PROGRAM

The Business Social Services (BSS) Incentive Program offers prescriptive incentives, application processing, and an approved diverse service provider network specifically designed to support BSS customers from start to finish. Our goal is to remove participation barriers for select 501(c)(3) social service providers through a simple and streamlined process.

Ameren Missouri believes that powering the quality of life goes beyond keeping your lights on. We want to help your organization improve infrastructure and reduce energy use. Let's work together to create an even greater social impact for our communities. Visit [AmerenMissouri.com/GetStarted](http://AmerenMissouri.com/GetStarted) for more details on starting your project.

### How it Works:

- Choose an approved BSS service provider from the list on [tradealynetwork.com](http://tradealynetwork.com)
- Your service provider will help you first confirm eligibility, then navigate the application process, identify upgrade opportunities, and facilitate equipment installation.

### Benefits Include:

- Elevated incentive rates to help offset the financial burden for BSS customers.
  - Lighting incentive covers 100% of eligible costs.
- New energy-efficient equipment to create a better service environment.
- Energy cost savings which can then be reinvested into helping the community.

## INTERIOR LIGHTING INCENTIVES



### LED Exit Signs Replacing Non-LED Exit Signs

Existing Equipment	Efficient Equipment	Incentive
Incandescent Exit Sign CFL Exit Sign	LED or Electroluminescent ≤ 5 watts	\$1.08 per watt reduced

- Efficient exit signs must use 5 watts or less.

### Incandescent and Halogen Replacements

Existing Equipment	Efficient Equipment	Incentive
A-Series ≥ 40 watts <sup>1</sup>	LED ≤ 20 watts	\$1.08 per watt reduced
Halogen MR-16, ≥ 35 watts	LED ≤ 13 watts	
Halogen BR/R ≥ 45 watts	LED ≤ 14 watts BR/R	
Halogen PAR ≥ 48 watts	LED ≤ 20 watts PAR	

- Replacements will be incentivized on a one-for-one basis.
- <sup>1</sup>Incandescent replacements are eligible for this incentive, however halogen equivalent wattage will be used to determine energy savings.

### HID Replacements

Existing Equipment	Efficient Equipment	Incentive
Interior HID	LED lamp (using existing ballast)	\$1.08 per watt reduced
	Direct wire (using existing socket <sup>1</sup> )	
	New LED fixture	
	New LED fixture with Networked Controls <sup>2</sup>	

- Replacements will be incentivized on a one-for-one basis.
- <sup>1</sup>Direct wire is a retrofit that uses the same fixture, but bypasses the existing ballast.
- <sup>2</sup>Networked Controls, at minimum, consist of an intelligent network of individually addressable luminaires and control devices, allowing for application of multiple control strategies, programmability, building level control, zoning and rezoning using software.

### Linear LED Replacing Linear Fluorescent

Existing Equipment	LED Type B (Direct Wire <sup>1</sup> )	LED Type C (External Driver)	LED Retrofit Kit	LED Fixture Replacement
Fluorescent T12	\$1.08 per watt reduced	\$1.08 per watt reduced	\$1.08 per watt reduced	\$1.08 per watt reduced
Fluorescent T8				
Fluorescent T5				
Incentive with Network Controls added			\$1.08 per watt reduced	\$1.08 per watt reduced

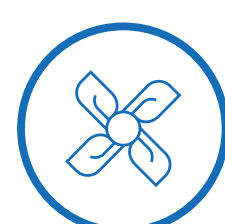
- Replacements will be incentivized on a one-for-one basis.
- LEDs must have a lamp life of ≥ 50,000 hours.
- <sup>1</sup>A "Direct Wire" Lamp uses the existing tombstones and bypasses the ballast.

### Occupancy Sensors

Existing Equipment	Efficient Equipment	Incentive
No Existing Occupancy Sensor	Fixture-Mounted Occupancy Sensor Controlling > 60 Watts Remote-Mounted Occupancy Sensor Controlling > 150 Watts	36¢ per kWh saved

- All sensors must be hard wired and control interior lighting.
- Savings will be determined with actual wattage controlled, actual baseline hours of use and deemed 24% reduction in annual operating hours.

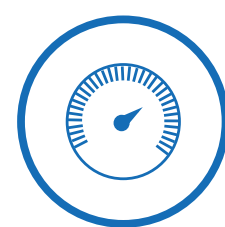
## NON-LIGHTING INCENTIVES



### HVAC

Existing/Baseline Equipment	Size	Baseline Efficiency	Efficient Equipment	Incentive
Packaged DX	< 5.5 tons (< 65kbtu)	13 SEER	High-Efficiency Packaged or Split System DX	\$81 per ton per SEER improvement
	5.5-11.5 tons (65-135kbtu)	11.2 IEER		\$95 per ton per IEER improvement
	11.5-20 tons (135-240kbtu)	11 IEER		
	20-63 tons (240-760kbtu)	9.9 IEER		
Air Source Heat Pump (ASHP)	> 63 tons (> 760kbtu)	9.6 IEER	High-Efficiency Air Source Heat Pump	\$41 per ton per SEER improvement
	< 5.5 tons (< 65kbtu)	13 SEER		\$51 per ton per IEER improvement
	5.5-11.5 tons (65-135kbtu)	11.2 IEER		
	11.5-20 tons (135-240kbtu)	10.7 IEER		
Air-Cooled Chiller	> 20 tons (> 240kbtu)	9.6 IEER	High-Efficiency Air-Cooled Chiller	\$6 per ton per 0.01 IPLV improvement
	< 150 tons	.96 kW/Ton IPLV		
Water-Cooled Chiller	≥ 150 tons	.94 kW/Ton IPLV	High-Efficiency Reciprocating Water-Cooled Chiller	\$6 per ton per 0.01 IPLV improvement
	All Sizes	.70 kW/ton IPLV		
	< 75 ton	.63 kW/ton IPLV	High-Efficiency Positive Displacement Water-Cooled Chiller	
	75-149 ton	.62 kW/ton IPLV		
	150-299 ton	.58 kW/ton IPLV		
	≥ 300 ton	.54 kW/ton IPLV	High-Efficiency Centrifugal Water-Cooled Chiller	
	< 300 ton	.60 kW/ton IPLV		
300-599 ton	.55 kW/ton IPLV			
≥ 600 ton	.54 kW/ton IPLV			

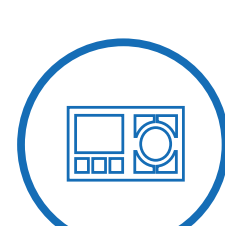
- "High Efficiency" is considered a unit more efficient than IECC 2009.
- All chiller measures are intended for single chiller systems (back-up chillers will not qualify).
- To qualify for a chiller measure, the chiller must be able to serve 100% of the zone's cooling load.
- Equipment being replaced must be less than or equal to the inefficient equipment baseline.



### HVAC Controls

Existing/Baseline Equipment	Efficient Equipment	Incentive
Non-Programmed Thermostat	Learning (Smart) Thermostat (controlling ≥ 4 Tons of cooling)	\$338 per thermostat
	Learning (Smart) Thermostat (controlling < 4 Tons of cooling)	\$84 per ton
Constant Speed Supply Fan on Packaged Heating and Cooling Equipment	Advanced Rooftop Unit (RTU) Controls	\$216 per ton
Space with No Demand Control Capability	Demand Control Ventilation	\$230 per 1,000 sq. ft.

- A learning thermostat is one that has the capability to sense occupancy or modify operating parameters without user input. The mode that provides this capability must be enabled.
- Thermostat measure must be controlling a system with mechanical cooling.
- Advanced Rooftop Controls must integrate air-side economization, supply-fan speed control (by installing a variable speed drive), and demand controlled ventilation. This measure is for retrofit of an existing HVAC unit.
- The standard Demand Control Ventilation measure does not apply to systems with terminal reheat.



### Variable Frequency Drives

Existing Equipment	Efficient Equipment	Incentive
Chilled Water Pump (≥ 1HP) without VFD	Variable Frequency Drive	\$270 per horsepower
Hot Water Pump (≥ 1HP) without VFD		\$270 per horsepower
Pool Pump without VFD		\$270 per horsepower
HVAC Fan (≥ 1HP) without VFD		\$230 per horsepower
Condenser Water Pump (≥ 1HP) without VFD		\$270 per horsepower
Cooling Tower Fan (≥ 1HP) without VFD		\$68 per horsepower

- Existing motor must not already have a VFD.
- System must have a variable or reduced load.
- Installation to have necessary control points and parameters.
- VFD installations on back-up/redundant motors do not qualify for an incentive.



### Cooking

Existing Equipment	Efficient Equipment	Incentive
3 Pan non-ENERGY STAR Steam Cooker	3 Pan ENERGY STAR Electric Steam Cooker	\$906 per steam cooker
4 Pan non-ENERGY STAR Steam Cooker	4 Pan ENERGY STAR Electric Steam Cooker	\$984 per steam cooker
5 Pan non-ENERGY STAR Steam Cooker	5 Pan ENERGY STAR Electric Steam Cooker	\$1,064 per steam cooker
6 Pan non-ENERGY STAR Steam Cooker	6 Pan ENERGY STAR Electric Steam Cooker	\$1,229 per steam cooker
Non-ENERGY STAR Hot Holding Cabinet (≥ 28 cubic feet)	ENERGY STAR Hot Holding Cabinet (≥ 28 cubic feet)	\$534 per cabinet
Kitchen Ventilation with Constant Speed Motor	Kitchen Demand Ventilation Controls <sup>1</sup>	\$540 per HP

- <sup>1</sup>System should include installation of a new temperature sensor in the hood exhaust collar and/or an optic sensor on the end of the hood that senses cooking conditions which allows the system to automatically vary the rate of exhaust to what is needed by adjusting the fan speed accordingly.



### Refrigeration

Existing Equipment	Efficient Equipment	Incentive
Non-ENERGY STAR unit	ENERGY STAR 0 < V < 15 - Vertical Closed - Glass Door Freezer	\$230 per freezer
	ENERGY STAR 15 ≤ V < 30 - Vertical Closed - Glass Door Freezer	\$432 per freezer
	ENERGY STAR 30 ≤ V < 50 - Vertical Closed - Glass Door Freezer	\$729 per freezer
	ENERGY STAR V ≥ 50 - Vertical Closed - Glass Door Freezer	\$1,153 per freezer
	ENERGY STAR 0 < V < 15 - Vertical Closed - Solid Door Freezer	\$95 per freezer
	ENERGY STAR 15 ≤ V < 30 - Vertical Closed - Solid Door Freezer	\$189 per freezer
	ENERGY STAR 30 ≤ V < 50 - Vertical Closed - Solid Door Freezer	\$327 per freezer
	ENERGY STAR V ≥ 50 - Vertical Closed - Solid Door Freezer	\$608 per freezer
Non-ENERGY STAR unit	ENERGY STAR Horizontal Closed - Solid or Glass Door Freezer - All Volumes	\$1,053 per freezer
	ENERGY STAR 0 < V < 15 - Vertical Closed - Solid Door Refrigerator	\$76 per refrigerator
No Controls	ENERGY STAR Horizontal Closed - Solid or Glass Door Refrigerator - All Volumes	\$243 per refrigerator
	Anti-Sweat Heater Controls (Freezer)	\$184 per controller
Shaded-pole motor in refrigerated display case or walk-in cooling unit <sup>1</sup>	Anti-Sweat Heater Controls (Refrigerator)	\$135 per controller
	Electronically Commutated Motor (ECM) <sup>2</sup>	\$135 per motor

- The ECM measure only applies to units that run continuously (8760).
- V = Volume in cubic feet
- <sup>1</sup>With no fan control.
- <sup>2</sup>Only applies to units that run continuously (8760).



### Water Heating

Existing Equipment	Efficient Equipment	Incentive
Electric Resistance Commercial Water Heater	2.9-14.6 kW (10 to 50 MBH) Heat Pump Water Heater ≥ 3.0 COP	\$2,854 per heat pump water heater
	14.7-29.3 kW (50 to 100 MBH) Heat Pump Water Heater ≥ 3.0 COP	\$7193 per heat pump water heater
	29.4-87.9 kW (100 to 300 MBH) Heat Pump Water Heater ≥ 3.0 COP	\$19,040 per heat pump water heater
	88-146.5 kW (300 to 500 MBH) Heat Pump Water Heater ≥ 3.0 COP	\$14,000 per heat pump water heater



### Compressed Air

Existing Equipment	Efficient Equipment	Incentive
Open Valve or Timer Condensate Drain	No Loss Condensate Drain	\$270 per drain
Standard Air Nozzle	High-Efficiency Air Nozzle	\$75 per nozzle
Modulating Compressor with Blow-Down 5-40 HP	VFD Air Compressor 5-40 HP	\$122 per horsepower



### High Volume Low Speed Fans (HVLS)

Existing/Baseline Equipment	Efficient Equipment	Incentive
Multiple Non-HVLS Fans	HVLS Fan, 20 ft. Diameter	\$1,350 per HVLS fan
	HVLS Fan, 22 ft. Diameter	\$1,620 per HVLS fan
	HVLS Fan, 24 ft. Diameter	\$1,890 per HVLS fan

- HVLS fan must have VFD.

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