2021



InvestSmart Business Energy Upgrades
Refrigeration Solutions
Equipment Catalog

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1 Refrigeration Solutions

This Equipment Catalog describes the eligibility requirements and rebate amounts for qualifying **Refrigeration** equipment under the InvestSmart Business Energy Upgrades. It also includes instructions on how to complete the Rebate Application and information regarding any required additional documentation. JEA provides rebates for many types of energy efficient technologies. Please read the following sections carefully to ensure that you purchase and install qualifying equipment.

In order to be eligible for rebates through InvestSmart, all equipment must meet the following requirements:

- Equipment must be new and installed in a manner that meets or exceeds code regulations and adheres to industry standards.
- Equipment may be installed in either retrofit or new construction/major renovation applications, except where indicated in the individual measure.
- Replaced equipment must be disposed of in accordance with local, state, or federal codes and regulations and cannot be re-installed elsewhere.
- Rebates will be capped at 50% net customer cost (with the exception of gaskets and door closers which are capped at 90% net customer cost) Rebates will be capped at $100,000 per customer per program year.

Pre-qualification of Business Energy Upgrades eligible measures is not required **except** for retrofit lighting equipment and occupancy sensors. Additional eligibility and submittal requirements for **Refrigeration** measures are outlined in this Equipment Catalog.

Rebates for additional measures may be available. For more information about rebates, eligibility requirements, rebate levels, other JEA energy efficiency programs, or general inquiries, visit jea.com/investsmart , email jeabusiness@icf.com, or contact Customer Service Center **(844) 604-4393**.

1.1 Anti-Sweat Heater Controls

Measure Description:

When a refrigerator operates at a temperature below the dew point temperature of the surrounding air, condensation will form on the outside of the case. Anti-sweat heaters (ASH) prevent condensation from forming on display cases by heating the display case frame. This is necessary to allow customers to see inside cases and prevent excess moisture build-up. Anti-sweat heaters are generally set to run all the time, regardless of the relative humidity and dew point of the surrounding air. In addition to causing a significant electrical draw, the heat from the anti-sweat devices causes an increased refrigeration load. ASH controls are devices that sense the relative humidity in the air or condensation on the refrigerator's glass and turn the heater on only when it is needed.

Eligibility:

The eligibility criteria for the anti-sweat heater controls measure are:

- The ASH controller must sense humidity or condensation and cycle the heater accordingly.

Exclusions:

- Rebates are not available when installed in conjunction with the "High Efficiency Doors for Low Temperature Display Cases" measure.

Items to submit with Rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)
- Manufacturer's specification sheets demonstrating compliance with equipment eligibility requirements.

Instructions for Rebate Application:

In the Rebate Application, fill in the following:

- "Efficiency" as "NA"
- "Measure Size" as the total linear feet of enclosed case

Measure Rebate:

Rebate amounts for qualifying measures are listed below in **Table 1-1**.

Table 1-1 Anti-Sweat Heater Controls Rebate Amounts

Equipment Code	Measure Description	Rebate ($ /linear ft of case)
RFASHL	Anti-Sweat Heater Controls Low Temperature Applications (≤ 0 °F)	$15/linear ft
RFASHM	Anti-Sweat Heater Controls Medium Temperature Applications (> 0 °F)	$15/linear ft

1.2 Door Gaskets for Glass and Solid Doors

Measure Description:

Gaskets provide a seal around the cooler or freezer door to prevent outside air from entering the cooler when the door is closed. Old or damaged door gaskets can lead to outside air leaks, resulting in higher refrigeration loads and excess frost build up on the evaporator. Replacing the damaged gasket can achieve a stronger seal and help reduce refrigeration load.

Eligibility:

The eligibility criteria for the door gasket measure are:

- Only retrofit projects are eligible every 3 years.
- Must replace a worn gasket on a reach-in or walk-in door serving a cooler or freezer.
- Replacement gaskets must meet or exceed the manufacturer's specifications including dimensions, materials, attachment method, style, compression, and magnetism.

Items to submit with Rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)
- Manufacturer's specification sheets demonstrating compliance with equipment eligibility requirements.

Instructions for Rebate Application:

In the Rebate Application, fill in the following:

- "Efficiency" as "NA"
- "Measure Size" as the door perimeter in linear feet

Measure Rebate:

Rebate amounts for qualifying measures are listed below in **Table 1-2**.

Table 1-2 Door Gasket for Glass and Solid Doors Rebate Amounts

Equipment Code	Measure Description	Rebate ($ / Unit)
RFDGGL	Door Gaskets for Glass Doors Low Temperature Application (≤ 0 °F)	$4/linear ft
RFDGGM	Door Gaskets for Glass Doors Medium Temperature Application (> 0 °F)	$4/linear ft
RFDGSL	Door Gaskets for Solid Doors Low Temperature Application (≤ 0 °F)	$4/linear ft
RFDGSM	Door Gaskets for Solid Doors Medium Temperature Application (> 0 °F)	$4/linear ft

1.3 High-Efficiency Doors for Low Temperature Display Cases

Measure Description:

High-efficiency doors generally include double or triple paned glass that helps prevent conductive heat loss from the display case. These doors also minimize the need for anti-sweat heat.

Equipment Eligibility:

The eligibility criteria for the high efficiency display case door measure are:

- Only retrofit projects are eligible.
- Only available for low temperature applications (≤ 0 ºF).
- Must be a low/no anti-sweat door with total heater amperage less than 0.90 amps per door at 120 volts.

Exclusions:

- This rebate is not available in conjunction with the "Anti-Sweat Heater Controls" measure.

Items to submit with Rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)
- Manufacturer's specification sheets demonstrating compliance with equipment eligibility requirements.

Instructions for Rebate Application:

In the Rebate Application, fill in the following:

- "Efficiency" and "Measure Size" as "NA"

Measure Rebate:

The rebate amount for qualifying measures is listed below in **Table 1-3.**

Table 1-3 High-Efficiency Doors for Low-Temperature Display Cases Rebate Amounts

Equipment Code	Measure Description	Rebate ($ / Unit)
RFHEDL	High-efficiency Doors for Display Case Low Temperature Applications (≤ 0 °F)	$75/door

1.4 Night Covers for Open Vertical and Horizontal Display Cases

Measure Description:

Refrigerated display cases in food stores are often left open to allow customers to easily see and access the contents of the case. This causes the refrigerator compressors to work longer to compensate for the warming caused by the infiltration of store air. Night covers are blinds that can be used to cover the open display case during the night time when it is not necessary for the contents of the case to be visible.

Applicability:

Both new construction and retrofit installations are eligible.

Equipment Eligibility:
The eligibility criteria for the night cover measure are:

- Night covers must be in use for at least 6 hours nightly.
- Customer should consider resetting to higher suction temperatures when covers are applied.
- Case manufacturer must not object to this measure.

Items to Submit with Rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)
- Manufacturer's specification sheets demonstrating compliance with equipment eligibility requirements

Instructions for Rebate Application:
In the Rebate Application, fill in the following:

- "Efficiency" as "NA"
- "Measure Size" as the length of the installed cover in feet

Measure Rebate:
Rebate amounts for qualifying measures are listed below in **Table 1-4.**

Table 1-4 Night Cover for Open Vertical and Horizontal Display Cases Rebate Amounts

Equipment Code	Measure Description	Rebate ($ / Unit)
RFVONC	Night Covers for Vertical Open Display Cases	$3.50/linear ft
RFHONC	Night Covers for Horizontal Open Display Cases	$3.50/linear ft

1.5 Strip Curtains for Walk-In Coolers and Refrigerated Warehouse Spaces

Measure Description:
Strip curtains or plastic swinging doors are flexible (typically clear plastic) barriers that cover the door to a walk-in cooler or refrigerated warehouse. They are used to allow spaces to be easily accessed with equipment or products, while reducing the infiltration of warm outside air. Strip curtains generally replace direct openings to unrefrigerated spaces, or worn or torn curtains older than 5 years.

Equipment Eligibility:
The eligibility criteria for the strip curtain measure are:

- Only retrofit projects are eligible.
- Install strip curtains or plastic swinging doors on doorways of walk-in coolers or freezers, or doorways to refrigerated warehouses.

Exclusions:

- Strip curtains or plastic doors replacing existing curtains purchased within the past 5 years are not eligible.

Items to submit with Rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)

Instructions for Rebate Application:
In the Rebate Application, fill in the following:

- "Efficiency" as "NA"
- "Measure Size" as the square footage of the affected doorway

Measure Rebate:
The rebate amount for qualifying measures is listed below in **Table 1-5.**

Table 1-5 Strip Curtains for Walk-In Coolers and Refrigerated Warehouse Spaces Rebate Amounts

Equipment Code	Measure Description	Rebate ($ / Unit)
RFSCTN	Strip Curtains for Walk-in & Refrigerated Warehouse Spaces	$2.50/square ft

1.6 Auto Closers for Walk-In and Reach-In Cooler and Freezer Doors

Measure Description:
An auto closer is a device that automatically closes a cooler or freezer door. This may be applied to the main insulated door of a walk-in unit or the door of a reach-in display case. It prevents excess heat from entering the cooler, thereby reducing the load on the compressor. Auto closers typically close a door completely, even if left open as little as one inch.

Applicability:
New construction and retrofit installations are eligible.

Eligibility:
The eligibility criteria for the door auto-closer measure are:

- Auto closer for main insulated doors of walk-in coolers or freezers must firmly close door when door is within 1" of full closure.
- Auto closer for reach-in refrigerator doors must be applied to a door with a minimum perimeter of 16' and must firmly close door when door is within 1" of full closure.

Items to submit with rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)
- Manufacturer's specification sheets demonstrating compliance with equipment eligibility requirements.

Instructions for Rebate Application:
In the Rebate Application, fill in the following:

- "Efficiency" and "Measure Size" as "NA"

Measure Rebate:
Rebate amounts for qualifying measures are listed below in **Table 1-6.**

Table 1-6 Auto Closers for Walk-In and Reach-In Cooler and Freezer Doors Rebate Amounts

Equipment Code	Measure Description	Rebate ($ / Unit)
RFWACL	Auto Closer Main Walk-in Unit Doors Low Temperature Application (≤ 0 °F)	$70/closer
RFWACM	Auto Closer Main Walk-in Unit Doors Medium Temperature Application (> 0 °F)	$70/closer
RFRACL	Auto Closer Reach-In Doors Low Temperature Application (≤ 0 °F)	$70/closer
RFRACM	Auto Closer Reach-In Doors Medium Temperature Application (> 0 °F)	$70/closer

1.7 Electronically Commutated Motors (ECM)

Measure Description:
An electronically commutated motor (ECM) is a fractional horsepower direct current (DC) motor used most often in commercial refrigeration applications such as refrigeration and display cases. ECMs use less electricity than standard motors.

Eligibility:
The eligibility criteria for the electronically commutated motors are:

- Only retrofit projects are eligible.
- All ECMs installed in existing refrigeration cases up to 1 HP in size may qualify for an incentive.

Exclusions:

- Cannot be installed in conjunction with the "Evaporator Fan Controller for Walk-In Coolers and Display Cases" measure.

Items to submit with Rebate Application:

- Dated sales receipt or detailed invoice indicating the total project cost, differentiating the labor and material. (Please note: JEA reserves the right to cancel any project that has not submitted all required supporting documentation within 90 days of the receipt of the initial application.)
- Manufacturer's equipment specification sheet.

Instructions for Rebate Application:
In the Rebate Application, fill in the following:

- "Efficiency" and "Measure Size" as "NA"

Measure Rebate:
The rebate amount for qualifying measures is listed below in **Table 1-7.**

Table 1-7 Electronically Commutated Motor (ECM) Rebate Amount

Equipment Code	Measure Description	Rebate ($ / Unit)
ECMREF	EC Motor	$50/motor

2 Sample Rebate Worksheet

SAMPLE REBATE WORKSHEET

The following is an example for newly installed anti-sweat heater controls on (2) refrigerated doors, as well as a replacement of a cooler with (1) 20-foot, high efficiency, low-temperature, reach-in cooler.

Parameter	Measure 1	Measure 2	Measure 3
Equipment code	RFASHM		
Project type (Retrofit or New Construction)	New Construction		
tallation date	7/1/2011		
ipment location f, mechanical room)	Retail Area		
uipment end use (e.g. supply fan, CHW pump)	Refrigerated Cases		
Age of replaced equipment (for retrofits)	NA		
Dealer name	Acme Anti Sweat Controls		
Manufacturer	Widget ASHC, LLC		
Model number	ABC123		
Serial Number (if no serial number, use NA)	X14G234789356		
Annual operating hours	8,760		
Efficiency(ies) (as described in Equipment Catalog)	NA		
Measure size (as described in Equipment Catalog)	16		
Measure rebate ($) (e.g. HVAC: $50/ton x 10 tons = $500)	$240		
Number of measures	2		
Total rebate ($) (# of Measures x Measure Rebate)	$480		

Indicate if it is a new construction or a retrofit

SAMPLE

****Be sure to include a copy of the invoice indicating the total project cost (differentiating the labor and material)****

To locate equipment catalog:
-www.jea.com/InvestSmart
-Select Refrigeration Solutions
-Select Refrigeration Rebate Details and Eligibility