Heating and Cooling

Receive rebates for adding variable frequency drives to existing HVAC-related fans, pumps and motors, chillers, and for smart, Wi-Fi-enabled thermostats. HVAC systems including single package, split systems, and air-source heat pumps are also eligible.

Maximum rebate for the combination of lighting, heating and cooling, business equipment, food service and grocery, and water heating upgrades is $100,000 per building per year up to 50% of equipment cost.

HVAC Systems

Single Package and Split Air Conditioning and Air-Source Heat Pump Units

Measure Description	System Type	Cooling Capacity	Minimum Efficiency Requirement			Rebate/Unit
			SEER2*	EER2	HSPF2	
Air Conditioner	Split System	< 45,000 Btu/h	15.0	12.5	N/A	$300/Unit
Air Conditioner	Split System	45,000–< 65,000 Btu/h	14.5	12.0	N/A	$325/Unit
Air Conditioner	Single Packaged	< 65,000 Btu/h	14.5	12.0	N/A	$325/Unit

Measure Description	System Type	Cooling Capacity	Minimum Efficiency Requirement			Rebate/Unit
			IEER	EER	COP	
Air Conditioner	Split System & Single Package	65,000–< 135,000 Btu/h	15.3	N/A	N/A	$60/Ton
Air Conditioner	Split System & Single Package	135,000–< 240,000 Btu/h	14.7	N/A	N/A	$50/Ton
Air Conditioner	Split System & Single Package	240,000 < 760,000 Btu/h	13.6	N/A	N/A	$40/Ton

Measure Description	System Type	Cooling Capacity	Minimum Efficiency Requirement			Rebate/Unit
			SEER2	EER2	HSPF	
Air-Source Heat Pump	Split System	< 65,000 Btu/h	15.0	12.5	9	$400/Unit
Air-Source Heat Pump	Single Packaged	< 65,000 Btu/h	14.1	11.8	8.2	$400/Unit

Measure Description	System Type	Cooling Capacity	Minimum Efficiency Requirement			Rebate/Unit
			IEER	EER	COP	
Air-Source Heat Pump	Split System & Single Package	65,000–< 135,000 Btu/h	14.4	N/A	3.6	$80/Ton

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Measure Description	Cooling Capacity	Minimum Efficiency Requirement		Rebate/Unit
		EER	COP	
Packaged Terminal Air Conditioner (PTAC)	< 8,000 Btu/h	12.9	N/A	$50/Unit
Packaged Terminal Air Conditioner (PTAC)	8,000 < 11,000 Btu/h	12.1	N/A	$50/Unit
Packaged Terminal Air Conditioner (PTAC)	11,000–< 14,000 Btu/h	11.2	N/A	$50/Unit
Packaged Terminal Air Conditioner (PTAC)	> 14,000 Btu/h	10.4	N/A	$50/Unit
Packaged Terminal Heat Pump (PTHP)	< 8,000 Btu/h	12.9	3.5	$50/Unit
Packaged Terminal Heat Pump (PTHP)	8,000–< 11,000 Btu/h	12.1	3.3	$50/Unit
Packaged Terminal Heat Pump (PTHP)	11,000–< 14,000 Btu/h	11.2	3.2	$50/Unit
Packaged Terminal Heat Pump (PTHP)	> 14,000 Btu/h	10.4	3.1	$50/Unit

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Measure Description	System Type	Minimum Efficiency Requirement		Rebate/Ton
		SEER2	HSPF2	
Ductless Mini-Split Air Conditioner	Under 5.4 Tons	15.2	N/A	$100/Ton
Ductless Mini-Split Heat Pumps	Under 5.4 Tons	15.2	7.4	$100/Ton

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Requirements:

- Air and water cooled chilling packages used in a single chiller HVAC are eligible systems. Backup or redundant chillers are not eligible.
- If the chiller serves HVAC and non-HVAC loads, the non-HVAC load may not exceed 25% of the chiller's rated capacity.
- Chillers being installed must meet the full load and Integrated Part Load Value (IPLV) efficiency values.
- Water chilling equipment must meet current Air-Conditioning, Heating, and Refrigeration Institute (AHRI) standards 550/590, be UL listed, and use a minimum ozone-depleting refrigerant.
- Base Unit Incentive is calculated by the following formula
  - Chiller Size (Net Tons) x Base Unit Incentive = Base Total Incentive
- Performance Incentive is calculated as follows (Capped at $150/ton for VFD-controlled air cooled chillers):
  - **(Proposed Equipment Unit Efficiency [IPLV] - Minimum Incentive Efficiency [IPLV])** x Chiller Size (Net Tons) x Performance Incentive = Performance Total Incentive

Measure Description	Energy Efficiency Requirement (EER)				Rebate/Ton
	Single Speed Chiller (Path A)		Variable Speed Chiller (Path B)		
	Full-Load	IPLV	Full Load	IPLV	
Air-Cooled Chillers, < 150 Tons	10.605	14.385	10.185	16.59	$20/Ton Base Incentive + $30/Ton for Performance
Air-Cooled Chillers, ≥ 150 Tons	10.605	14.7	10.185	16.905	$20/Ton Base Incentive + $30/Ton for Performance

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Maximum rebate for the combination of lighting, heating and cooling, business equipment, food service and grocery, and water heating upgrades is $100,000 per building per year up to 50% of equipment cost.

Requirements:

- Base Unit Incentive is calculated by the following formula:
  - Chiller Size (Net Tons) x Base Unit Incentive = Base Total Incentive
- Performance Incentive is calculated as follows:
  - (Minimum Efficiency Unit Efficiency [IPLV base] - Proposed Unit Incentive Efficiency [IPLV eff]) x Chiller Size (Net Tons) x Performance Incentive = Performance

Measure Description	Energy Efficiency Requirement (KW/Ton)				Rebate/Ton
	Single Speed Chiller (Path A)		Variable Speed Chiller (Path B)		
	Full-Load	IPLV	Full Load	IPLV	
Water-Cooled, Centrifugal Chillers, < 150 Tons	0.580	0.523	0.660	0.418	$20/Ton Base Incentive + $300/Ton for Performance
Water-Cooled Centrifugal Chillers, > 150 Tons and < 300 Tons	0.580	0.523	0.603	0.380	$20/Ton Base Incentive + $300/Ton for Performance
Water-Cooled Centrifugal Chillers, ≥ 300 Tons and < 400 Tons	0.532	0.494	0.565	0.371	$20/Ton Base Incentive + $300/Ton for Performance
Water-Cooled Centrifugal Chillers, ≥ 400 Tons and < 600 Tons	0.532	0.475	0.556	0.361	$20/Ton Base Incentive + $300/Ton for Performance
Water-Cooled Centrifugal Chillers, ≥ 600 Tons	0.532	0.475	0.556	0.361	$20/Ton Base Incentive + $200/Ton for Performance
Water-Cooled Positive Displacement Chillers, < 75 Tons	0.713	0.57	0.741	0.475	$35/Ton Base Incentive $400/Ton for Performance
Water-Cooled Positive Displacement Chillers, ≥ 75 Tons and < 150 Tons	0.684	0.532	0.713	0.466	$35/Ton Base Incentive + $400/Ton for Performance

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Maximum rebate for the combination of lighting, heating and cooling, business equipment, food service and grocery, and water heating upgrades is $100,000 per building per year up to 50% of equipment cost.

Measure Description	Energy Efficiency Requirement (KW/Ton)				Rebate/Ton
	Single Speed Chiller (Path A)		Variable Speed Chiller (Path B)		
	Full-Load	IPLV	Full Load	IPLV	
Water-Cooled Positive Displacement Chillers, ≥ 150 Tons and < 300 Tons	0.627	0.513	0.646	0.418	$35/Ton Base Incentive + $300/Ton for Performance
Water-Cooled Positive Displacement Chillers, ≥ 300 Tons and < 600 Tons	0.580	0.494	0.594	0.390	$25/Ton Base Incentive + $200/Ton for Performance
Water-Cooled Positive Displacement Chillers, ≥ 600 Tons	0.532	0.475	0.556	0.361	$25/Ton Base Incentive + $200/Ton for Performance

*On Jan. 1, 2023, new efficiency ratings, referred to as M1 Ratings (SEER2, HSPF2, and EER2), for air conditioners and heat pumps went into effect. This new system of measurement applies to all single-phase air conditioners and heat pumps < 65,000 kBtu/h. For equipment that is ≥ 65,000 kBtu/h, there are no changes in the rating methodology.

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Other HVAC-Related Appliances

Measure Description	Rebate/Unit	Requirements
Smart, Wi-Fi-Enabled Thermostat	$75/Unit	Replacing a standard thermostat or programmable thermostat that is ≥ 10 years old: · Must have Intelligent Recovery technology; seven days, 5-1-1 or 5-2 day programming per NEMA standards for energy efficiency requirements for thermostat · All equipment must be new; used or refurbished equipment is not eligible
Variable Frequency Drives (VFDs)	$50/HP	· Rebates are only available for new VFDs installed on existing HVAC pumps, motors or fans · Must be between 2 and 200 HP and operate for at least 1,500 hours annually · VFDs installed on new equipment, non-HVAC equipment or equipment above 200 HP may be eligible under Custom savings · All equipment must be new; used or refurbished equipment is not eligible
Lodging – Guest Room Controls	$80/Guest Room	· Installation of occupancy-based controllers that enables energy savings through the control of HVAC equipment in guest rooms · Not eligible for new construction projects
Electronically Commutated Motor (ECM) on VAV Boxes	$50/Motor	· The ECM must be rated for 10 HP or less · The ECM must have a controller set to control the motor speed based on the difference between the indoor temperature and thermostat set point · Newly installed VAV boxes are not eligible for this measure
Demand Control Ventilation (DCV)	$15/1,000 SF	· Only retrofit installations are eligible for rebates; DCV installations in conjunction with new HVAC equipment do not qualify; where code requires DCV, a rebate is not available · Controlled space must meet a minimum of ASHRAE 62.1-2010 standards · CO_2 sensors must be installed in conjunction with existing, fully functioning economizers with electronic control; the space must have a maximum of 2,000 sq. ft. per CO_2 sensor · Applicant must provide invoice documenting purchase and installation of CO_2 sensors and controllers and a floor plan of the space to be controlled with DCV · Only air conditioning units serving a single control zone are eligible; conditioned space must be kept at 72°F ± 6°F during operating hours · DCV must be installed in spaces with variable, unpredictable occupancy (e.g., conference rooms, auditoriums, restaurants, retail, etc.).

*If you do not see your Heating and Cooling equipment listed here, you may be eligible for a custom rebate. Please refer to Custom Upgrades for more information.

For questions regarding the Commercial Energy Efficiency Program, please contact us at 1-855-762-6732 or email commercialsavings@southernco.com