



Clean Heat

Rhode Island

Presentation to EC4

September 29, 2023



Agenda

- Program Overview
- Heat Pump Basics
- Services
- Program incentives & requirements
- Q&A



Program Overview

- Launched September 1, 2023
- \$25 Million in funding
- Available to all RI residents who do not currently heat with electricity
- Accepting applications now

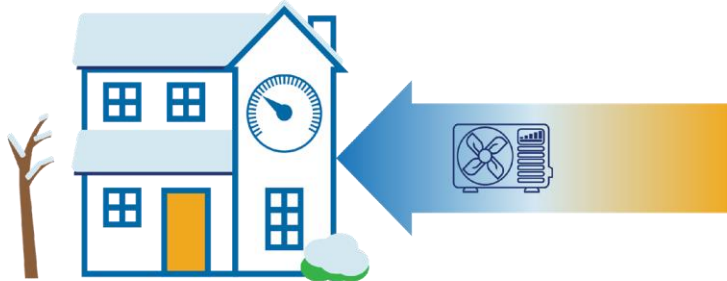


Offers incentives to assist homeowners, non-profits, and small-to-mid-size business owners with the purchase and installation of **high-efficiency electric heat pumps**.

Heat Pump Basics

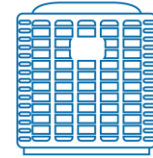


Summer: Pumps heat from the inside to the outside



Winter: Pumps heat from the outside to the inside

Same technology as:



Air Conditioner



Refrigerator

Program Overview



Customer Assistance

Connect with us to learn more about heat pumps



Participating Installers

Work with an installer on our Heat Pump Installer Network



Design Reviews

Get feedback on your proposed systems



Financial Incentives

Access incentives help to reduce installation costs

Clean Heat Rhode Island Programs

Residential

Incentivizes:

- Air Source Heat Pumps
- Ground Source Heat Pumps
- Heat Pump Water Heaters
- Split-System HP Water Heaters
- Electrical Service Upgrades

Available to:

Single family or multifamily owners of individually metered & individually heated units.

Income Eligible

Incentivizes 100%:

- Air Source Heat Pumps
 - Heat Pump Water Heaters
- Including cost of electrical service upgrade up to \$3,000

Available to:

Recipients of SNAP, LIHEAP, or Rhode Island Energy Discount Rate

Commercial

Incentivizes:

- Air Source Heat Pumps
- VRF Heat Pumps
- Ground Source Heat Pumps
- Heat Pump Water Heaters
- Central Heat Pump Water Heaters

Available to:

Small to medium businesses with annual revenue of \$30 million or less and nonprofit organizations

Projects installed on or after **September 1** may be eligible for Clean Heat Rhode Island incentives.

Program Requirements

- All equipment must be installed by a contractor participating in the Heat Pump Installer Network
- Installation & services performed must be in accordance with all codes, standards, regulations, and licensing requirements. This includes subcontractors.
- Incentives are available to all Rhode Island utility customers including Block Island Power Company, Pascoag Utility District, or Rhode Island Energy.
- Some projects will require additional quality assurance processing before incentives are processed.
- Must displace oil, propane, or natural gas heating. Partial fuel displacement is allowed, whole-building displacement is not required.

These incentives and requirements are subject to change at any time at the sole discretion of the Rhode Island Office of Energy Resources.

Residential Incentives & Requirements

Residential Incentive			
Equipment Type	Efficiency Requirement	Incentive Amount	
Air Source Heat Pump	Central Ducted	AHRI: SEER \geq 15, HSPF \geq 9; OR SEER2 \geq 14.3, HSPF2 \geq 7.7	\$1,000/ton
	Multizone Mix of Ducted and Non-Ducted	AHRI: SEER \geq 15, HSPF \geq 9; OR SEER2 \geq 14.3, HSPF2 \geq 7.7	
	Non-Ducted	NEEP's Cold Climate Heat Pump List	
Ground Source (Geothermal) Heat Pump	ENERGY STAR & AHRI Matched Equipment	\$1,250/ton	
Heat Pump Water Heater	ENERGY STAR certified UEF 3.30	\$750	
Heat Pump Water Heater (120volt/15amp circuit)	ENERGY STAR certified UEF 2.20	\$750	
Split-System Heat Pump Water Heater	ENERGY STAR certified UEF 2.20	\$1,500	
Electrical Service Upgrade	Installation of Air or Ground Source Heat Pump or Heat Pump Water Heater Required*	\$500	

Residential New Construction & Renovations Incentives & Requirements

Residential New Construction Incentive

Equipment Type		Efficiency Requirement	Incentive Amount
Air Source Heat Pump	Central Ducted	AHRI: SEER \geq 15, HSPF \geq 9; OR SEER2 \geq 14.3, HSPF2 \geq 7.7	\$750/ton
	Multizone Mix of Ducted and Non-Ducted	AHRI: SEER \geq 15, HSPF \geq 9; OR SEER2 \geq 14.3, HSPF2 \geq 7.7	
	Non-Ducted	NEEP's Cold Climate Heat Pump List	
Ground Source (Geothermal) Heat Pump		ENERGY STAR & AHRI Matched Equipment	\$750/ton

Residential New Construction Customer Eligibility

Available to all Rhode Island utility customers including Block Island Power Company, Pascoag Utility District, and Rhode Island Energy.

Must be a new construction home or renovation/addition totaling \geq 400 new sq. ft. of conditioned space.

- An attestation is required to confirm renovation/addition size.

- An attestation is required that the heat pump will be used for primary heating in the zone(s) it will heat and cool.

These incentives and requirements are subject to change at any time at the sole discretion of the Rhode Island Office of Energy Resources.

Income-Eligible Incentives & Requirements

Residential Income-Eligible Incentive		
Equipment Type	Efficiency Requirement	Incentive Amount
Air Source Heat Pump	NEEP's Cold Climate Heat Pump List & Weatherization	100% of installation costs and up to \$3,000 for electrical service upgrade
Heat Pump Water Heater	ENERGY STAR certified UEF 3.30	100% of installation costs and up to \$3,000 for electrical service upgrade
Heat Pump Water Heater (120volt/15amp circuit)	ENERGY STAR certified UEF 2.20	100% of installation costs and up to \$3,000 for electrical service upgrade

Commercial Incentives

Commercial Heat Pump Incentives

Equipment Type	Equipment Capacity	EER	IEER	COP	Incentive	16 Tons Max Amount	
Air Source Heat Pumps	<5.4 tons	See Residential Requirements			\$2,500/ton	\$40,000	
	≥ 5.4 Tons and < 11.3 Tons	11.8	15.4	3.5			
	≥ 11.3 Tons and < 16 Tons	10.9	14.6	3.4			
Variable Refrigerant Flow (VRF) Heat Pumps	≥ 5.4 Tons and < 11.3 Tons	11.3	18.9	3.4 @ 47F	\$3,500/ton	\$56,000	
	≥ 11.3 Tons and < 16 Tons	10.9	18	3.3 @ 47F			
Ground Source Heat Pumps (Closed Loop)	Brine to Air	< 11.3 Tons	17.1	-	3.6	\$4,500/ton	\$72,000
	Brine to Water	< 5.4 Tons	16.1	-	3.1		
		≥ 5.4 Tons and < 11.3 Tons	16.1	-	3		
Heat Pump Water Heater	≤ 80 Gallon	UEF ≥ 3.2			\$1,000	N/A	
	81-120 Gallon	COP ≥ 3.6			\$2,200		
Central Heat Pump Water Heater	≥120 Gallon	COP ≥ 3.5			\$2,500/ton	\$40,000	

Contact Us



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