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NYS Clean Heat
Statewide Heat Pump Program

Heat Pumps keep your home temperature – and energy costs – just right!

Whether you use a mini-split, central air source or ground source heat pump, these all-in-one heating and air conditioning systems optimize air flow throughout your home or building to use less energy. This technology has the potential to deliver energy savings, especially during the cooling season, while also saving on your heating bill when upgrading from oil, propane and electric resistance. Heat Pumps are now more affordable than ever with National Grid rebates. Additional Heat Pump resources for customers are available, please visit **ngrid.com/nys-cleanheat**

**Savings will vary depending on replacement fuel source costs, efficiency of equipment replaced, weatherization work completed in your home in the last 5 years and general usage.*

How do Heat Pump heating and cooling systems work?

Heat Pumps extract heat from the air or ground outside and distribute it inside your home or building. During warmer months the process is reversed and heat is pulled from the interior space and released outside. These clean energy systems are not only convenient but also highly efficient.

What are the benefits?

- **Increased efficiency.** Heats and cools your home more efficiently than traditional HVAC systems.
- **Increased comfort.** Heat Pumps provide quiet, even heating and cooling throughout your home or building.
- **Low maintenance.** Systems last longer than conventional HVAC units and require minimal maintenance.
- **Clean, healthy and safe.** No combustion of fossil fuels, no fuel storage, no emissions, and no risk of carbon monoxide fumes.

Additional Information for Contractors: Visit **saveenergy.ny.gov/NYScleanheat/** for:

• List of participating contractors • Program enrollment forms • NYS Clean Heat Statewide Heat Pump Program Manual

To process rebate application, applications are to be submitted by the Participating Contractor using the online application portal hosted by ICF on behalf of National Grid.

NYSCleanHeat.nationalgrid.com | NYS Clean Heat Hotline: **844-212-7823**

Custom applications are to be submitted to **NYSCleanHeatCI@nationalgrid.com**
Custom Incentive Application Forms Visit: **ngrid.com/nys-cleanheat**
For more information on incentives please visit: **ngrid.com/nys-cleanheat**
For more information on additional funding through Federal Tax Credits please visit: **EnergyStar.gov**

Category	Technology	Incentive	Contractor Reward (from Incentive)
1	ccASHP: Partial Load Heating	$500 / outdoor condenser unit	$100 / outdoor condenser unit
2	ccASHP: Full Load Heating	$1,000 / $10,000 BTUH of maximum heating capacity at NEEP 5°F	$500 / project
2a	ccASHP: Full Load Heating with Integrated Controls	$1,200 / 10,000 BTUH of maximum heating capacity at NEEP 5° F	$500 / project
2b	ccASHP: Full Load Heating with Decommissioning	$1,400 / 10,000 BTUH of maximum heating capacity at NEEP 5° F	$500 / project
3	GSHP: Full Load Heating	$1,500 / 10,000 BTUH of full load heating capacity as certified by AHRI	$500 / project
4	Custom Space Heating Applications	$80 / MMBTU of annual energy savings	$500 / project
4a	Custom Space Heating plus Envelope	Tier 1: $80 / MMBTU of annual energy savings Tier 2: $100 / MMBTU of annual energy savings	$500 / project
5	HPWH (<120 gallons of tank capacity)	$700 / unit	N/A
6	Commercial HPWH (> 120 gallons of tank capacity)	$80 / MMBTU of annual energy savings	N/A
7	GSHP Desuperheater	$100 / unit	N/A
8	Dedicated domestic hot water (DHW) Water-to-Water Heat Pump (WWHP)	$900 / unit	N/A
9	Simultaneous Installation of Space Heating and Water Heating	$250 / Additional bonus per combination installation	$250 / project

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ELIGIBILITY

NYS Clean Heat rebates are available to all customers statewide through their electric utility. National Grid gas customers receiving electric service from other utilities should visit **cleanheat.ny.gov.** For more details on eligible technologies please refer to the NYS Clean Heat Program Manual at **saveenergy.ny.gov/NYScleanheat**

Category	Description	Eligible Technologies	Eligibility Criteria
1	Cold Climate ASHP ("ccASHP"): Partial Load Heating	Minisplit Heat Pump ("MSHP"), Central ccASHP	• Each unit in system must be on the Northeast Energy Efficiency Partnership ccASHP Product List ("NEEP Product List") • Total heat pump system heating capacity is <300,000 British Thermal Units per hour ("Btu/h") • For central ASHPs installed with a back-up furnace in the same cabinet, the back-up furnace must have capacity <225,000 Btu/h • Total heat pump system heating capacity satisfies <90% of the building's design heating load ("BHL")
2	ccASHP: Full Load Heating	Minisplit Heat Pump ("MSHP"), Central ccASHP	• Each unit in system must be on the NEEP Product List • Total heat pump system heating capacity is <300,000 Btu/h. • For central ASHPs installed with a back-up furnace in the same cabinet, the back-up furnace must have capacity <225,000 Btu/h • Total heat pump system heating capacity satisfies at least 90%4 of the BHL. Systems sized for >120% BHL may incur further review and require justification. • In cases where there are four or fewer units choosing heat pumps in a Multifamily building, they shall be eligible to apply in Category 2 subject to the discretion of the utility.
2a	ccASHP: Full Load Heating Installed with Integrated Controls	Minisplit Heat Pump ("MSHP"), Central ccASHP with Integrated Controls	• Eligible projects include heat pumps that meet the full building load where the previously existing system is coupled with integrated controls • Category 2a is only available for retrofit projects of existing structures and is not available to new construction or gut rehab[5] • To be eligible for Category 2a incentives, the integrated controls package must be connected to existing fossil fuel heating equipment and must operate the heat pump as the first stage/primary heating system • Ancillary electric heating systems are not eligible for a Category 2a incentive • In cases where there are four or fewer units choosing heat pumps in a Multifamily building, they shall be eligible to apply in Category 2a subject to the discretion of the utility.
2b	ccASHP: Full Load Heating with Decommis-sioning	Minisplit Heat Pump ("MSHP"), Central ccASHP with Decommis-sioning	• Eligible projects include heat pumps that meet the full building load where the previously existing fossil fuel system is decommissioned • Category 2b will require submission of an additional attestation form and will only be available for retrofit projects • To be eligible for a Category 2b incentive, the heat pump system installed must meet the full heating load of the building, as discussed in Section 3.2.2.1 • Category 2b incentives will only be available when decommissioning existing fossil fuel heating equipment • In cases where there are four or fewer units choosing heat pumps in a Multifamily building, they shall be eligible to apply in Category 2b subject to the discretion of the utility.
3	GSHP: Full Load Heating	$/10,000 Btu/h of full load heating capacity as certified by AHRI Total Incentive to be limited to 120% of BHL	• Each heat pump in the system must meet or exceed the ENERGY STAR® Geothermal heat pump specification. Console units and non-console heat pump appliances with less than 24,000 Btu/h rated full load cooling whose performance does not meet or exceed ENERGY STAR® specifications must apply for incentives under Category 4. • Total heat pump system heating capacity is <300,000 Btu/h, except for systems installed in multifamily buildings, which all must apply through Category 4 • Ground source variable refrigerant flow heat pumps ("GSVRFs") are eligible for incentives in Category 3 if the total heating capacity is <300,000 Btu/h. GSVRF systems, regardless of total heating system size or individual appliance cooling capacity, must meet or exceed the minimum efficiencies listed in Table 6. • System consists only of individual appliance cooling capacity for open-loop and closed-loop GSHP installs <135,000 Btu/h and/or individual appliance cooling capacity for direct exchange GSHP installs ≤180,000 Btu/h • Ground loops must comply with applicable New York Department of Environmental Conservation ("NY DEC"), New York City ("NYC"), and International Ground-Source Heat Pump Association ("IGSHPA") standards • Total heat pump system heating capacity satisfies at least 90%6 of the BHL. Systems sized for >120% BHL may incur further review and require justification.
4		MSHP	• Eligible MSHP systems must be constituted only of NEEP-listed equipment
		Commercial Unitary Systems/ Large Commercial ASHPs	Eligible Commercial Unitary Systems must have the following characteristics: • Include individual heat pump appliances that are powered by three-phase electricity or have rated cooling capacities ≥65,000 Btu/h • Systems must consist of multi-speed or variable speed compressors. Single speed systems are not eligible for incentives.
		Air Source Variable Refrig-erant Flow Heat Pump ("ASVRF")	Eligible ASVRFs must have the following characteristics: • ASVRF systems up to 240,000 Btu/h cooling capacity must meet or exceed current ENERGY STAR® Light Commercial HVAC Key Product Criteria. For systems with capacities greater than those covered by ENERGY STAR®, program eligibility will be determined based on whether proposed heat pump efficiencies meet or exceed local energy code.
		GSHP	GSHP systems must meet or exceed the ENERGY STAR® Geothermal heat pump specification efficiency requirements and exhibit one or more of the following characteristics: • Systems with individual heat pump appliances powered by three-phase electricity • Systems with a total system heating capacity ≥300,000 Btu/h • Systems that have individual appliance cooling capacity for closed-loop GSHP installs ≥135,000 Btu/h • Systems that have an individual appliance cooling capacity for direct exchange GSHP installs ≥180,000 Btu/h • Exceptions to the above eligibility criteria: • GSHP systems with <24,000 Btu/h rated full load cooling must meet or exceed the specifications in Table 5.
		GSVRF	• Ground Source Variable Refrigerant Flow Heat Pump ("GSVRF") systems, regardless of total heating system size or individual appliance cooling capacity, must meet or exceed the minimum efficiencies listed in Table 6.
		Console Type GSHPs	• Console type GSHP systems, regardless of total heating system size or individual appliance cooling capacity, must meet or exceed the minimum efficiencies listed in Table 4.

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ELIGIBILITY Cont.

Category	Description	Eligible Technologies	Eligibility Criteria
4 cont.		Cold Climate Packaged Terminal Heat Pumps ("ccPTHPs")	• Eligible ccPTHPs must meet the following criteria: each unit in system must be on the NEEP Product List.
		Single Package Vertical Heat Pumps ("SPVHPs")	Eligible SPVHPs must meet the following criteria: • Manufacturer reported COP at 5°F must exceed 1.5 (at full operating capacity) • Compressor must be variable capacity (three or more distinct operating speeds, or continuously variable) • Manufacturer reported Heat Pump output at 5°F must be a minimum of 50% of rated heating capacity at 47°F
		Energy Recovery Ventilator / Heat Recovery Ventilator ("ERV/HRV")	Eligible ERV/HRVs must meet the following criteria: • Must not be required by federal, state, local or municipal codes or standards • Must be paired with an eligible heat pump system
4a	HP + Envelope	See Category 4, plus Window Replacements, Window Film, Wall Insulation, Continuous Insulation, Window Walls, Curtain Walls, Exterior Façade, Air Leakage Sealing, Air Barrier Continuity, Roof Insulation	• Eligible projects include any Category 4 heat pumps, installed at either an existing facility or new construction, that are coupled with a significant envelope upgrade. • The envelope upgrade must produce a quantifiable impact on the heat pump sizing to be eligible for a packaged approach. Projects may qualify for one of two tiers of envelope upgrade improvements: Tier 1: • Existing: 5-30% reduction in dominant load compared to baseline • New Construction: 1-5% reduction in dominant load compared to baseline Tier 2: • Existing: >30% reduction in dominant load compared to baseline • New Construction: >5% reduction in dominant load compared to baseline • When combined, the existing baseline will be used for calculating energy savings except for new construction projects, which should use a code baseline for savings analysis. The MMBtu savings from both the envelope measures and the heat pump measures will be paid out at the 4a rate based on the tier qualified for. If a HP + Envelope upgrade also includes an eligible ERV/HRV, the ERV/HRV will also receive a Category 4a incentive. Eligible measures may include: • Exterior: window replacements, window film • Opaque shell: wall insulation, continuous insulation, window walls, curtain walls, exterior façade • Air leakage sealing, air barrier continuity and Roof Insulation
5	HPWH (up to 120 gallons of tank capacity)	Air-to-water HPWHs	• Air-to-Water HPWHs with storage capacities up to 120 gallons must meet or exceed ENERGY STAR® Residential Water Heater specification
6	Custom Hot Water Heating Applications	Air-to-Water and Water-to-Water Heat Pumps for Dedicated DHW (total tank capacity >120 gallons)	Dedicated DHW Water-to-Water heat pumps (WWHP) must meet or exceed ENERGY STAR® Geothermal heating requirements. For dedicated DHW WWHP scenarios in which Custom project eligibility is not defined (according to the previous item) for domestic hot water heat pump applications and for all Air-to-Water systems, the following shall be used to determine eligibility for Category 6 Custom Hot Water Heating Applications incentives: • For HPWH systems with tanks < 120 gallons piped in parallel, individual units must meet ENERGY STAR® HPWH specifications8 • Fossil fuel (heating oil, natural gas, steam generated by fossil fuel, etc.) energy consumption must be reduced by the new electric technology or application • The new electric technology or application must: 1. Use staged, multi-speed or variable-speed heat pumps for air source systems 2. Reduce existing fossil fuel or electric resistance annual consumption by at least 50% 3. Not include fossil fuel system efficiency fuel savings; in savings calculations, the fossil fuel baseline efficiency (including distribution) must equal the existing or upgraded (boiler) system efficiency 4. Decrease the overall annual site energy consumption 5. Meet or exceed applicable minimum efficiency specifications to meet applicable codes and standards
7	GSHP Desuperheater	Optional component to GSHP systems	• Installed as integrated component in an eligible GSHP
8	Dedicated Domestic Hot Water ("DHW") Water-to-Water Heat Pump ("WWHP")	Dedicated DHW WWHP (<120 gallons) added to ground loop	• Can be integrated into an eligible GSHP or installed as a separate WWHP meeting or exceeding ENERGY STAR® Geothermal specifications • Must meet 100% of water heating load.

UNY program offerings are subject to change without notice and the program may be terminated due to funding constraints at any time. ICF is an experienced energy efficiency service provider and National Grid's partner for this program.

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