

NYS Clean Heat Statewide Heat Pump Program Incentives

Category	Description	Eligible Technologies	Incentive Structure	Eligibility Criteria	Total Incentive	Participating Contractor Reward*
Space Heating and Cooling						
1	Cold-Climate Air Source Heat Pump ("ccASHP"): Partial Load Heating	Minisplit Heat Pump ("MSHP"), Central ccASHP	\$/outdoor condenser unit	<ul style="list-style-type: none"> 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"). 	\$500	\$100/ outdoor unit
2	ccASHP: Full Load Heating	Minisplit Heat Pump ("MSHP"), Central ccASHP	<p>\$/10,000 Btu/h of maximum heating capacity at 5°F, as documented on the NEEP Product List</p> <p>Total incentive to be limited to 120% of BHL - e.g., Total incentive <= (Maximum Heating Capacity * 1.2 / HP Sizing Ratio). See Equipment Sizing Requirements in Appendix 2 for additional details.</p>	<ul style="list-style-type: none"> Each unit in system must be on the NEEP Product List. 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. 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% of the BHL. Systems sized for >120% BHL may incur further review and require justification. 	\$1,000	\$500/project
2a	ccASHP: Full Load Heating	Minisplit Heat Pump ("MSHP"), Central ccASHP with integrated controls	<p>\$/10,000 Btu/h of maximum heating capacity at 5°F, as documented on the NEEP Product List</p> <p>Total incentive to be limited to 120% of BHL - e.g., Total incentive <= (Maximum Heating Capacity * 1.2 / HP Sizing Ratio). See Equipment Sizing Requirements in Appendix 2 for additional details.</p>	<ul style="list-style-type: none"> Eligible projects include any 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. 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. 	\$1,200	\$500/project
2b	ccASHP: Full Load Heating	Minisplit Heat Pump ("MSHP"), Central ccASHP with decommissioning	<p>\$/10,000 Btu/h of maximum heating capacity at 5°F, as documented on the NEEP Product List</p> <p>Total incentive to be limited to 120% of BHL - e.g., Total incentive <= (Maximum Heating Capacity * 1.2 / HP Sizing Ratio). See Equipment Sizing Requirements in Appendix 2 for additional details.</p>	<ul style="list-style-type: none"> Eligible projects include any 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. 	\$1,400	\$500/project

3	Ground Source Heat Pump ("GSHP"): Full Load Heating	GSHP	<p>\$/10,000 Btu/h of full load heating capacity as certified by AHRI</p> <p>Total incentive to be limited to 120% of BHL - e.g., Total incentive <= (Full Load GLHP Rating OR Full Load GWHP Rating*1.2)/HP sizing ratio). See Equipment Sizing Requirements in Appendix 2 for additional details.</p>	<ul style="list-style-type: none"> • 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% of the BHL. Systems sized for >120% BHL may incur further review and require justification. 	\$1,500	\$500/project
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4	Custom Space Heating Applications	General	\$/MMBTU of annual energy savings	<ul style="list-style-type: none"> 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. Installed systems must satisfy the dominant HVAC load for the building, per applicable code. If the building has a higher BHL than BCL, the system must be sized to satisfy BHL. If the building has a higher BCL, the system must be sized to satisfy BCL. Requires confirmation of projected MMBtu savings to determine incentive amount. Each project requires pre-approval, based on a review of projected MMBtu savings and an associated preliminary incentive amount (\$/MMBtu). Projects shall be for full-load heating systems. <p>Partial-load scenarios may be approved on a case-by-case basis to determine eligibility for Category 4 Custom Space Heating Applications incentives based on the following criteria:</p> <ul style="list-style-type: none"> 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 air source electric technology must use staged, multi-speed or variable-speed heat pump and must displace at least half of annual baseline heating consumption or alternative case fossil fuel consumption. Fuel savings cannot include fossil fuel system efficiency savings; in savings calculations, fossil fuel baseline efficiency (including distribution) must equal proposed (boiler) system efficiency. The new electric technology or application: <ol style="list-style-type: none"> Must decrease the overall annual site energy consumption Shall meet or exceed applicable minimum efficiency specifications to meet applicable codes and standards 	\$80	\$500/project
		Central ccASHP		<p>Eligible Central ccASHP systems must have either of the following characteristics:</p> <ul style="list-style-type: none"> NEEP listed equipment with total heat pump system heating capacity at design condition of ≥300,000 Btu/h Individual heat pump appliances tested under AHRI 210/240 that meet or exceed the NEEP ccASHP specification requirements, but are not NEEP listed For central ASHPs installed with a back-up furnace in the same cabinet, the back-up furnace must have capacity <225,000 Btu/h 		
		MSHP		<p>Eligible MSHP systems must have either of the following characteristics:</p> <ul style="list-style-type: none"> NEEP listed equipment with total heat pump system heating capacity at design condition of ≥300,000 Btu/h Individual heat pump appliances tested under AHRI 210/240 that meet or exceed the NEEP ccASHP specification requirements, but are not NEEP listed 		
		Commercial Unitary Systems/Large Commercial ASHPs		<p>Eligible Commercial Unitary Systems must have the following characteristics:</p> <ul style="list-style-type: none"> 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 compressor. Constant speed systems are not eligible for incentives 		

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4 (Cont'd)	Custom Space Heating Applications	Air Source Variable Refrigerant Flow Heat Pump ("VRF")	\$/MMBTU of annual energy savings	<p>Eligible ASVRFs must have the following characteristics:</p> <ul style="list-style-type: none"> 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 	\$80	\$500/project
		GSHP		<p>GSHP systems must meet or exceed the ENERGY STAR Geothermal heat pump specification efficiency requirements and exhibit one or more of the following characteristics:</p> <ul style="list-style-type: none"> Systems with individual heat pump appliances powered by three-phase electricity Systems with a total system heating capacity $\geq 300,000$ Btu/h Systems that have individual appliance cooling capacity for closed-loop GSHP installs $\geq 135,000$ Btu/h Systems that have an individual appliance cooling capacity for direct exchange GSHP installs $\geq 180,000$ Btu/h <p>Exceptions to the above eligibility criteria:</p> <ul style="list-style-type: none"> GSHP systems with $< 24,000$ btu/h rated full load cooling must meet or exceed the specifications in Table 5 		
		Ground Source Variable Refrigerant Flow Heat Pump ("GSVRF")		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.		
		Cold Climate Packaged Terminal Heat Pumps ("ccPTHPs")		<p>Eligible ccPTHPs must meet the following criteria:</p> <ul style="list-style-type: none"> Each unit in system must be on the NEEP Product List 		
		Single Package Vertical Heat Pumps ("SPVHPs")		<p>Eligible SPVHPs must meet the following criteria:</p> <ul style="list-style-type: none"> 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 		

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4 (Cont'd)	Custom Space Heating Applications	Energy Recovery Ventilator / Heat Recovery Ventilator ("ERV/HRV")	\$/MMBTU of annual energy savings	<p>Eligible ERV/HRVs must meet the following criteria:</p> <ul style="list-style-type: none"> • Must not be required by federal, state, local or municipal codes or standards • Must be paired with an eligible heat pump system 	\$80	\$500/project
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	\$/MMBTU of annual energy savings	<p>Eligible projects include any Category 4 heat pumps, installed at either an existing facility or new construction, that is 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:</p> <p>Tier 1:</p> <ul style="list-style-type: none"> • Existing: 5-30% reduction in dominant load compared to baseline • New Construction: 1-5% reduction in dominant load compared to baseline <p>Tier 2:</p> <ul style="list-style-type: none"> • Existing: >30% reduction in dominant load compared to baseline • New Construction: >5% reduction in dominant load compared to baseline <p>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</p> <p><u>Eligible measures may include:</u></p> <p>Exterior: window replacements, window film Opaque shell: wall insulation, continuous insulation, window walls, curtain walls exterior façade Air leakage sealing, air barrier continuity Roof insulation</p>	<p>Tier 1: \$80</p> <p>Tier 2: \$100</p>	\$500/project

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Water Heating						
5	Heat Pump Water Heater HPWH Retail (up to 120 gallons of storage capacity)	Air-to-Water HPWHs	\$/Unit	Air-to-Water HPWHs with storage capacities up to 120 gallons must meet or exceed ENERGY STAR Residential Water Heater specification.	\$700	n/a
	Heat Pump Water Heater HPWH Midstream (up to 120 gallons of storage capacity)	Air-to-Water HPWHs	\$/Unit	Air-to-Water HPWHs with storage capacities up to 120 gallons must meet or exceed ENERGY STAR Residential Water Heater specification.	\$800	\$50 Contractor Reward \$50 Distributor Reward
6	Custom Hot Water Heating Applications	Air-to-Water and Water-to-Water Heat Pumps for Dedicated DHW (total storage capacity >120 gallons)	\$/MMBTU of annual energy savings	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 Application incentives: <ul style="list-style-type: none"> For HPWH systems with tanks < 120 gallons piped in parallel, individual units must meet ENERGY STAR HPWH specifications 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: <ol style="list-style-type: none"> Use staged, multi-speed or variable-speed heat pumps for air source systems Reduce existing fossil fuel or electric resistance annual consumption by at least half Not include fossil fuel system efficiency fuel savings; in savings calculations, fossil fuel baseline efficiency (including distribution) must equal proposed (boiler) system efficiency Decrease the overall annual site energy consumption Meet or exceed applicable minimum efficiency specifications to meet applicable codes and standards 	\$80	n/a
7	GSHP Desuperheater	Optional component to GSHP systems	\$/Unit	Installed as integrated component in an eligible GSHP.	\$100	n/a
8	Dedicated Domestic Hot Water ("DHW") Water-to-Water Heat Pump ("WWHP")	Dedicated DHW WWHP (<120 gallons) added to ground loop	\$/Unit	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.	\$900	n/a
9	Simultaneous Installation of Space Heating & Water Heating	HPWH plus others	Additional (\$) bonus incentive	Category 2 ccASHP or Category 3 GSHP: Full Load Heating project that opts to include a HPWH meeting the criteria, in Category 5, or DHW WWHP in Category 8, respectively.	\$250	\$250/project

*Participating Contractor Reward is included in Total Incentive.