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NYS Clean Heat FAQs

Reach your sustainability goals, with high-efficiency commercial heat pumps for your business.

What is the NYS Clean Heat Program?

The NYS Clean Heat Program is an initiative that supports the state's carbon reduction goals by offering incentives on heat pump technologies to help all customers with with an electric account meet their heating, cooling and water-heating needs, while eliminating reliance on electric resistance heating or fossil fuels such as oil, propane and natural gas.

How do heat pumps work?

Unlike conventional, less efficient heating and cooling systems, electric heat pumps draw heat from the environment and move it indoors to heat or move it outdoors to cool. Heat pumps require electricity to run but deliver more energy than they use by concentrating and moving heat rather than generating it.

Air-source heat pumps: Air-source heat pumps extract heat from the air outside and distribute it inside your facility. During warmer months, this process is reversed to provide cooling by pulling heat out of your interior space.

Ground-source (geothermal) heat pumps: Ground-source heat pumps, also known as geothermal heat pumps, extract heat from the ground during cold weather via an underground pipe system, which is then distributed throughout your space. During warmer months, the process is reversed to provide cooling. This system is the most efficient type of heat pump.

Heat pump water heaters: Heat pump water heaters are a highly efficient way to heat water, using electricity to pull heat from the surrounding air and transfer it to water enclosed in a tank. These water heaters are up to three times more efficient than conventional electric resistance water heaters since they use electricity to move heat from one place to another instead of generating heat directly.

What are the benefits of heat pumps?

Energy Efficiency: Heat Pumps are an energy-efficient alternative to traditional HVAC solutions like furnaces and air conditioners.

All-in-one Solution: Heat pumps are an all-in-one solution for both heating and cooling. They work to keep your building warm during cooler months, and cool during warmer months.

Clean Solution: As more companies focus on reducing carbon emissions, it's important to look for cleaner, more-sustainable solutions. Since they don't rely on fossil fuels, high-efficiency heat pumps reduce your building's greenhouse gas emissions to help meet your sustainability goals.

Flexibility: Heat pump systems can be installed with or without ductwork. This means you may be able to install heat pumps while using existing ductwork—saving you time and resources on the installation.

Comfort: For everyday operations, heat pumps provide a comfortable environment by heating and cooling individual spaces or whole buildings. Zone control allows for greater control and more uniform temperature distribution.

Health: Many heat pumps can improve indoor air quality with built-in HEPA filtration systems that remove pollen, dust, and other allergens. And because heat pumps are emissions-free and require no fuel storage, they are a cleaner, simpler solution year-round.

What are the eligible technologies for incentives?

Eligible measures are grouped into several major categories:

1. **Air-source heat pumps** for space heating applications, including:
 - a. Cold climate air-to-air mini-split heat pumps
 - b. Cold climate air-to-air single packaged heat pumps
 - c. Air-to-air large commercial unitary heat pumps (single packaged or split system)
 - d. Air-source variable refrigerant flow heat pumps
 - e. Packaged terminal heat pumps
 - f. Single package vertical heat pumps
2. **Ground-source heat pumps** for space and water heating applications
3. **Heat pump water heaters** (HPWH) for domestic and service water heating applications, including:
 - a. Air-to-water HPWHs
 - b. Ground-source heat pump desuperheaters
 - c. Dedicated water-to-water heat pump added to ground loop
4. Non-code required energy recovery ventilators (ERVs) and heat recovery ventilators (HRVs) paired with eligible heat pumps
5. Building envelope upgrades paired with eligible heat pumps

For a detailed eligibility table, please see the Program Sheet or NYS Clean Heat Program Manual.

How do I know which heat pump is right for my building?

The NYS Clean Heat Program has a list of participating contractors who would be happy to help you determine which heat pump would be the best solution. If you visit our National Grid landing page, you can find links to the list of existing contractors from ngrid.com/cleanheat

HOW TO APPLY:



Please submit the following:

- 2023 Custom Clean Heat Application with the site electric account
- W-9 of electric account holder and incentive recipient if not customer
- Schedule of equipment, including how many of each size indoor and outdoor unit
- Cutsheets
- Energy Savings Analysis using the Statewide Custom Project Calculator
- Building Heating and Cooling loads at ASHRAE design temperatures (+/- 5 deg F) as determined by building modeling, Manual-J, or ACCA 183
- Cost estimate for proposed work

Where can I find the application, Statewide Custom Calculator, Program Manual, or other resources?

Please visit ngrid.com/cleanheat

Contact: