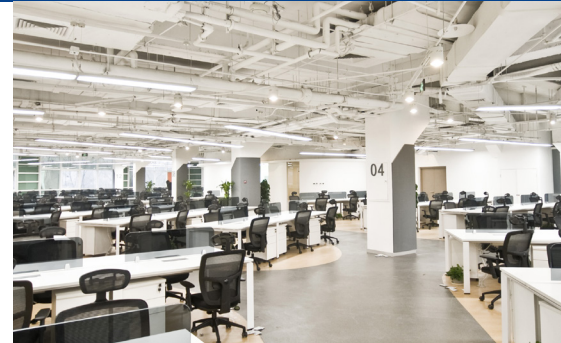


Clean Heating & Cooling Solutions for Commercial and Industrial Buildings

**Create more productive spaces for employees.
Reduce your environmental impact.**

Efficiently heat and cool your facility without the use of fossil fuels.



One-third of greenhouse gas emissions (GHG) in New York State come from heating, ventilation, and air conditioning systems. Clean heating & cooling solutions help businesses reduce GHG emissions and meet their sustainability goals.

Benefits of Clean Heating & Cooling

- **Reduce heating and cooling costs** with a non-fossil fuel source
- **Create a more comfortable work environment** with quiet, even heating and cooling
- **Enable temperature customization and control** for different spaces in your building
- **Reduce your environmental impact** with no on-site combustion of fossil fuels, fossil fuel storage, or carbon monoxide emissions

Clean heating & cooling systems may be good for your business if you are:

- Currently using oil, propane, or electric baseboard heating
- Having trouble effectively or efficiently heating or cooling your building
- Approaching end-of-life for your heating and cooling systems
- Experiencing issues with heating and cooling maintenance
- Undergoing a major renovation or new construction project
- Managing different heating and cooling needs throughout your building
- Trying to obtain or improve upon a green building certification
- Looking to eliminate the use of fossil fuels and reduce greenhouse gas emissions

Clean Heating & Cooling Solutions at a Glance

	Ideal For:	Overview & Benefits:
Air Source Heat Pumps (ASHP)	<ul style="list-style-type: none"> Small businesses, including but not limited to restaurants, small offices, and health clinics 	<ul style="list-style-type: none"> Take advantage of a low-cost, modular heating and cooling solution ideal for smaller spaces Quiet operation; minimal disruption when installing; low operating costs
Ground Source or Geothermal Heat Pumps (GSHP)	<ul style="list-style-type: none"> Schools, office buildings, and other facilities with relatively high occupancy, fluctuating schedules, and the need for individual temperature control 	<ul style="list-style-type: none"> Transfer heat in and out of the ground for clean, low cost heating and cooling Lowest operating costs of all clean heating & cooling solutions; long life expectancy Receive up to \$1,500 per cooling ton through NYSERDA's ground source heat pump rebate plus possible additional savings from your local utility
Variable Refrigerant Flow Systems (VRF)	<ul style="list-style-type: none"> Buildings where greater control over occupant comfort in individual rooms and floors is valuable, like hotels and commercial office buildings 	<ul style="list-style-type: none"> Transfer wasted heat from one space to another, cool with minimal refrigerant, and enable simultaneous heating and cooling Individual temperature control by zone or floor; low operating costs
Central Biomass Heating	<ul style="list-style-type: none"> Schools and other facilities or campuses with high heating and/or hot water loads 	<ul style="list-style-type: none"> Access cleaner, more affordable central heating solutions with high-efficiency, low-emission wood heating systems Heat with locally sourced fuels that support local industries; new systems are cleaner and automated Receive up to \$450,000 through NYSERDA's Renewable Heat NY program

Access incentives and support for clean heating & cooling solutions

If you need help assessing the suitability of your building for one of these technologies, an energy study could help. NYSERDA shares costs of an energy study through its Flexible Technical Assistance Program (FlexTech).

nysERDA.ny.gov/PutEnergyToWork/chc

NYSERDA offers objective information and analysis, innovative programs, technical expertise, and support to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels. A public benefit corporation, NYSERDA has been advancing energy solutions and working to protect the environment since 1975.