Non-Fossil Alternatives Acknowledgment

nationalgrid

We're committed to helping you meet your energy needs. In doing so, we want to ensure that you are aware of the non-fossil energy alternatives and incentives available to you.

Non-Fossil Alternatives

There are a variety of non-fossil alternatives (e.g., electrification) for you to consider when determining how best to meet your energy needs. Such non-fossil alternatives include:

- Heat pumps: Options include air-source and ground-source (i.e., geothermal).
- Electric Water Heating
- Electric cooking (e.g., stoves, ovens, and other cooktops)

Additional information can be found on National Grid's Heat Pump FAQ document.

Clean Energy Rebates

At National Grid, we are proud to promote electrification and achieve energy goals by partnering with NYSERDA and utilities across New York State who offer heat pump technology incentives. For more information, please check out their offerings, here:

- ConEdison:
  https://www.coned.com/en/our-energy-future/electric-heating-and-cooling-equipment
- PSEG:
  https://www.psegliny.com/en/saveenergyandmoney
- NYS Clean Heat Program:
  https://cleanheat.ny.gov/

Heat Pump Tax Credits and Incentives

In addition to these savings on heat pump technology, you may also qualify for:

- Federal tax credits:
  https://www.energystar.gov/about/federal-tax-credits
- New York State income-based incentives:
  https://www.nyserda.ny.gov/All-Programs/EmPower-New-York-Program

If, after reviewing these options, you would still like to connect to the Company's natural gas system, please have the account holder/property owner sign and return this acknowledgment form. Once the Company receives the completed form, we can proceed with the gas service agreement process. To explore all of National Grid's available energy saving programs, visit **ngrid.com/save.**

I have read the above information regarding non-fossil energy alternatives that are available to me and I would like to proceed with installing natural gas service or adding new gas equipment.

Customer Signature: _____ Date: _____

Customer Printed Name:_____

Service Address:_____

*If you have any questions regarding this acknowledgment, please contact us at **1-877-MYNGrid (1-877-696-4743)**.*

New York City & Long Island

Heat Pumps

Frequently Asked Questions

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What is a Heating and Cooling Heat Pump?

A heating and cooling heat pump moves the existing heat in the air or ground from one place to another using electric or renewable power. In summer, it moves heat from inside a building to the outside, and in winter it works like an air conditioner in reverse and moves heat from outside into the building.

Unlike traditional systems that are powered by burning fossil fuels or using electric resistance, heating and cooling heat pumps are very energy efficient—they extract more energy than they consume—and the latest models work reliably even when the temperature outside is extremely cold or hot.

What is an Air Source Heat Pump (ASHP) and Ground Source Heat Pump (GSHP)?

Air Source Heat Pump (ASHP)

While most heating systems burn fuel or utilize electric resistance, an air source heat pump is a versatile electrical system that extracts heat from one place and transfers it to another. Heat pumps are not a new technology; it has been used in Canada and around the world for decades. Heat pumps work by collecting heat from the outdoor air, transferring it via an air exchanger, and distributing it inside. A heat pump has a fully reversible cycle that can provide year-round climate control for customers – heating in winter and cooling and dehumidifying during the summer.

Ground Source Heat Pump (GSHP)

A ground source heat pump provides a clean way to heat buildings, free of all carbon emissions on site. Unlike the air, the ground (or groundwater) remains at a consistent temperature throughout the year—around 55°F. Geothermal heat pumps take advantage of the steady temperature by transferring heat stored in the earth into a building during the winter and transferring it out of the building and back into the ground during the summer. In addition to space conditioning, geothermal heat pumps equipped with desuperheaters can also produce hot water by transferring excess heat from the pump's compressor to the building's hot water tank.

Ground source heat pumps are suitable for a wide variety of buildings and are particularly appropriate for low environmental impact projects.

Ductless Mini-Split Heat Pumps

For homes without ducts for central air conditioning or heating, air-source heat pumps are also available in a ductless version called a mini-split heat pump. Mini-splits are efficient, whisper-quiet, and can keep your home or business comfortably warm or cool without blocking a window. There is a lot of flexibility in where mini-split systems can be installed, which allows for a stress-free installation.

Air-Source and Ground Source Heat Pump Benefits

Since air-source technology concentrates and transfers heat rather than generating it directly, heat pumps can deliver one-and-a-half to three times more heat energy to a home than the electrical energy they consume, using energy more efficiently.

- Dual heat-and-cooling system
- Cost savings
- Whisper-quiet
- Lower emissions
- Filters and dehumidifies the air

Why are Con Edison and PSEGLI promoting and offering rebates on heat pumps?

Heat pumps are alternative heating and cooling technologies that can provide customers with added comfort and choice in their homes. Additionally, by converting from more traditional, fossil fuel-heating equipment to air- or ground-source technology, you'll be able to enjoy the benefits of cleaner, renewable resources to meet your heating and cooling needs.

How do heat pumps perform during the coldest days of the winter and the hottest days of the summer?

Heating and cooling pumps are a proven technology and, depending on the particular model, will continue to operate even at extreme outdoor temperatures. For example, one of the performance requirements for a NEEP-certified cold climate air-source heat pump (one of the requirements for National Grid program eligibility)

Heat Pumps

Frequently Asked Questions

is a Coefficient of Performance (COP) > 1.75 at 5°F. This means that, for every unit of energy utilized by the system, 1.75 units of heating/cooling energy will be provided.

The equipment may see a decrease in efficiency at the extreme temperatures but will continue to heat or cool as intended.

For more specific information, please consult either the specific manufacturer or the contractor responsible for installing the equipment.

What are cold climate heat pumps?

A cold climate heat pump provides air conditioning and heating from one unit. In summer, it uses a refrigerant to transfer warm air from inside to the outdoors. In winter, it acts like an air conditioner in reverse, transferring warmth from the outside air to the inside. Yes, even cold winter air contains enough heat to use for warmth. Cold climate heat pumps are designed to operate in the northeast.

Will running a heat pump affect my electricity bill?

Overall, electricity bills may increase due to specific usage patterns and customer behavior. On average, a typical customer may see a decrease in electricity consumption during the summer months (e.g. a mini-split unit replacing a window air conditioner) but an increase during the winter months (e.g. a central air-source pump system offsetting an oil boiler for space heating). Any increase in electricity consumption due to heating use may be offset by decreases in other forms energy consumption, for example, gallons of heating oil (or propane) or therms of natural gas. If, however, your home is currently heated through an electrical resistance system, you may see a decrease in electricity consumption during the winter months as well.

Why should I use a cold climate heat pump to heat my home or business?

Cold climate heat pumps are more efficient and cleaner than standard units because they reduce the use of fossil fuels. As more and more of our power is generated from renewable sources, this benefit will only increase. With our enhanced rebate, you can have a heat pump system installed at a lower cost than a traditional, cooling-only system.

Does a mini-split heat pump system require ductwork?

Depending on your individual circumstances mini-split heat pump are available in both duct and ductless units. You should always have professionals advise you on making the right choice for your home.

Will my existing energy services be affected?

Depending on the scale of your overall project, your existing electric service may need to be upgraded. Additionally, you may also need to upgrade your home's electrical specifications based on the type of heat pump system you'd like to install. Please consult a licensed electrician to verify your home's electrical needs prior to installing new heat pump equipment.

Why is National Grid encouraging heat pump technology?

National Grid strongly supports the 2019 New York State Climate Leadership and Community Protection Act, which set a goal of using 100% renewable energy in the state by 2040. Heat pump systems use a combination of electricity and renewable energy instead of fossil fuels, making them more efficient and cleaner than older fuel oil and propane heating systems. The overall cost of operating a heat pump is typically lower than these fossil fuel systems, saving you money each month. Heat pump systems are better for you and our planet.

New York City & Long Island

Heat Pump
Incentives

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Incentives

▶ NYC Regions

Con Edison — Brooklyn, Staten Island and Queens — National Grid service regions

Residential Customers

1. **Air Source Heat Pump (ASHP) and Ground Source Heat Pumps (GSHP)**
   Con Edison currently offers incentives to residential customers via participating contractors for eligible ASHP and GSHP installations. Con Edison is currently running a limited-time 2024 promotion with increased incentives for projects that are completed by May 31, 2024.

   Customers interested in learning more about ASHPs and GSHPs and available incentives may visit coned.com/heatpumps

   For a listing of participating Con Edison qualified contractors, visit https://coned-findacontractor.icfsightline.com/

2. **Heat Pump Water Heater (HPWH) Incentives**
   Con Edison offers customer incentives for new ENERGY STAR-rated heat pump water heaters. Con Edison offers two channels for customers to access incentives — through qualified distributors and at purchases at select retailers. To learn more about the program and available incentives, visit https://www.coned.com/en/our-energy-future/electric-heating-and-cooling-equipment

For questions or additional details please contact Con Edison Energy Efficiency Call Center at **1-877-870-6118** or email **CleanHeat@coned**.com

▶ LI Regions

PSEG Long Island

Residential Customers

1. **Air Source Heat Pump (ASHP) and Ground Source Heat Pumps (GSHP)**
   PSEG Long Island offers valuable rebates on cold climate air source heat pumps to fit any space, as well as rebates on ENERGY STAR ground source heat pump equipment. To learn more about the program and apply for rebates visit www.psegliny.com/saveenergyandmoney/homeefficiency/homecomfort

   Customers must select a participating licensed air conditioning contractor and install a qualifying system. For a listing of participating PSEG LI qualified contractors visit www.psegliny.com/saveenergyandmoney/homeefficiency/homecomfort

2. **Heat Pump Water Heater (HPWH) Incentives**
   PSEG LI offers customer incentives for new ENERGY STAR-rated heat pump water heaters. To learn more about the program and available incentives, visit https://www.psegliny.com/saveenergyandmoney/homeefficiency/homecomfort

For questions or additional details please contact PSEG LI Energy Efficiency & Rebates Call Center at **1-800-692-2626**

Alterations/Relocations
Gas Load Letter

nationalgrid

All gas line agreements must include a signed non-fossil alternatives acknowledgment form. Failure to have this form signed and submitted with the gas project agreement will result in the job being placed on hold until received.

PREMISE INFORMATION

In order to process your request, the following information is required.

Project Address:_____City:_____State:_____ Zip:_____

Premise Access Contact Name:_____Phone/Mobile #:_____

EXISTING GAS EQUIPMENT REMAINING ON PREMISES

Please enter the type of equipment (e.g. "Heat", "WH", "Cooking", "Dryer", "BBQ", etc.), the quantity of units, model number, operating pressure, AFUE, BTUs, and rate.

Type	QTY	Model	Press		BTU Input	Rate	
			Min	Max		Firm	Dual Fuel
		Total Existing BTU Input					

Details of work requested:

OWNER INFORMATION *(Please print)*			
Billing Account Name:			
Preferred Name:			
Address:	City:	State:	Zip Code:
Home#:	Cell:	Fax:	
Email:			

Owner/Applicant Signature:	Date:

Reminder: This form is for Staten Island Alterations / Meter Relocations of a gas line to existing equipment and gas loads. Added/Changed equipment resulting in gas load change(s), will require additional documents. Please call Marketing at **877-696-4743** for a Gas Load Package. Brooklyn and Queens call **718-270-0220**.

Staten Island Please email this document, completed in full, in PDF format to: **Bhesham.Bhimsen@nationalgrid.com**

Alterations/Relocations
Gas Load Letter

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Terms and Conditions

1. Before we can process your gas service application or begin any work, you will need to fill out our Non-Fossil Alternatives Acknowledgment form confirming that you have received information about clean-energy heating alternatives and are choosing to move forward with gas.
2. In the event that the actual service line and/or main length exceed tariff allowances, National Grid will require a contribution in aid of construction (CIAC). National Grid will notify Applicant(s) through a separate invoice of any required CIAC. This payment must be made before any work is scheduled.
3. The term "Applicant" means the person or entity identified on the front of this agreement in the block next to Property Owner.
4. Once the meter is set, the Applicant becomes the customer of record and National Grid will commence billing the Applicant and the Applicant agrees to pay for gas service pursuant to the applicable rate classification and in accordance with National Grid's terms and conditions in its Tariff PSC No.12, as filed with and updated from time to time with the New York Public Service Commission. Customer must establish a billing account with National Grid before this gas service agreement can be processed.
5. Excavated lawn areas will be raked and seeded. National Grid will take reasonable measures to minimize any damage to property but will not restore/repair other on-site areas. Applicant is responsible for maintaining all reseeded areas.
6. National Grid shall install the necessary natural gas distribution system to the site, subject to weather conditions (during winter frosts charges will apply) and all federal, state and local codes and permit requirements. In the event that National Grid is unable to obtain the necessary permits to install the gas service line, National Grid shall not be obligated to perform such installation and this Agreement shall be null and void.
7. National Grid will not be responsible for delays or damages associated with the installation of a gas service line due to weather or the issuance of permits, nor will it be responsible for damages attributable to unforeseen conditions beyond its control.
8. (New Construction Only) Applicant shall (i) construct, or cause the construction of all necessary water lines, sewer lines, roads and electrical lines, and will perform other necessary work required to prepare the site for the installation including but not limited to bringing this site to within 6" of final grade and free of debris and scaffolding.
9. Applicant shall provide all easements, rights-of-way, and permits necessary for National Grid to install natural gas distribution lines required to provide service.
10. National Grid will accept or modify the meter location shown on the front of this form based upon its installation requirements.
11. Applicant represents and warrants that it has provided National Grid with all information known to it concerning environmental contamination or threat thereof at or in the vicinity of the Premises, provided that this provision shall not apply to environmental contamination caused by any employee, contractor, agent, or representative of National Grid.
12. Applicant assumes full and complete responsibility for any and all costs associated with any environmental contamination encountered by National Grid during the installation including but not limited to the costs to clean up or remediate such contamination, provided that this provision shall not apply to environmental contamination caused by any employee, contractor, agent, or representative of National Grid.
13. In the event that environmental contamination is encountered during the installation, all work shall cease and National Grid shall provide oral notice and written notice within a reasonable time. Thereafter, National Grid shall have no further obligations under this Agreement, provided that this provision shall not apply to environmental contamination caused by any employee, contractor, agent, or representative of National Grid.
14. Applicant shall to the fullest extent permitted by law, indemnify, hold harmless and release National Grid, its parent company, affiliates and subsidiaries and their respective directors, officers, employees, agents, servants, representatives, successors and assigns from and against all claims, demands, liabilities or expenses related to environmental contamination at or in the vicinity of the Premises. This indemnity and release provision survives the expiration or termination of the Agreement and extends to the respective successors and assigns of National Grid and Applicant.
15. National Grid shall own the natural gas distribution system up to the building wall for each outside customer meter. When the meter is located inside, National Grid shall own the natural gas distribution system up to the first accessible fitting inside the wall of the customer's building.
16. All installations where excavating and back filling are to be performed by Applicant or his/her designee will be performed in compliance with National Grid's specifications, and the installation shall not commence until said trench is inspected and accepted by a representative of National Grid's construction division.
17. Prior to the start of the work described on the front of this agreement, Applicant is responsible for marking out any underground facilities on their property that are not marked out as a result of National Grid's notification of the New York State One Call system.
18. This Agreement may be modified only by a writing signed by both parties; any verbal representations or modifications by National Grid employees or others shall be null and void.
19. The laws of the State of New York shall govern this Agreement.
20. If any terms of this Agreement or portions thereof are declared or become invalid or unenforceable, the remainder of this Agreement shall continue in full force and effect.
21. In the event that the equipment identified on the front of this agreement is not installed and in use within three months (Existing Homes) or six months (New Construction) of the date of installation of the service line, the Applicant agrees to pay National Grid the actual cost of installing and disconnecting the gas service line plus the actual cost of any required main work minus any payments already received.
22. By submitting this application for service with National Grid, Applicant expressly consents to the Company or its representatives contacting Applicant by phone, autodialed or automated voice call, email, or text message regarding your application and utility service.

Reminder: This form is for Staten Island Alterations / Meter Relocations of a gas line to existing equipment and gas loads. Added/Changed equipment resulting in gas load change(s), will require additional documents. Please call Marketing at **877-696-4743** for a Gas Load Package. Brooklyn and Queens call **718-270-0220**.

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