

To get connected!

To connect to Vector's network and have natural gas supplied direct to your home simply call:

Auckland
0800 42 75 48

Rest of North Island
0800 22 22 60

www.vector.co.nz

About Vector

Vector is New Zealand's leading multi-network infrastructure company. Our group owns and manages a range of energy, technology and service businesses which touch more than one million New Zealand homes and businesses. Find out more about Vector at www.vector.co.nz



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Get the gas lifestyle!
Piped natural gas supply

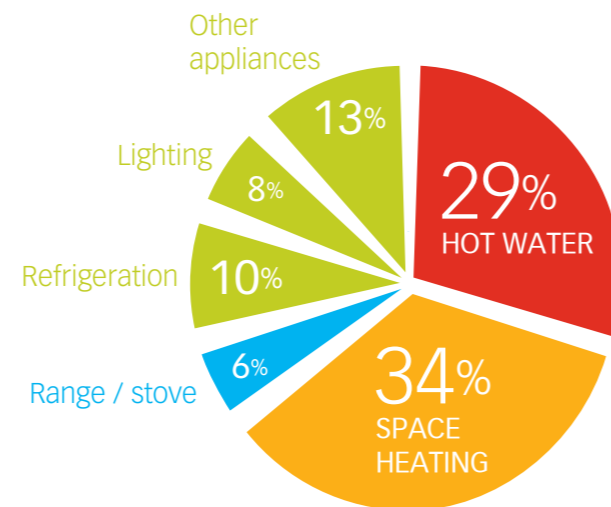


Did you know?

In the average New Zealand home, space heating and water heating are the largest consumers of energy.

Space heating uses the most energy at 34% followed by hot water at 29%. Yet often space heating is given little attention by home owners compared to lighting which only consumes 8%.

Total energy consumption by end use



BRANZ Energy Use in Households - HEEP Year 10 Report
<http://www.branz.co.nz>

The advantages of gas

For endless hot water, precise control when cooking the perfect dinner, heating your home or to enhance your outdoor entertaining, gas delivers the lifestyle you demand.

✓ Gas puts you in control

All it takes to command the power of gas is the flick of a switch or the press of a button to deliver the instant heat and performance you demand.

✓ Gas is the healthy home solution

A warm home is a healthy home and yet a third of New Zealand homes do not meet the World Health Organisation warmth standards of 18°C.¹ Gas heating together with effective insulation can provide instant, adjustable heat faster than electric appliances.

✓ Gas is efficient

Gas is fast and responds the instant it's needed. Gas appliances are efficient and can be cheaper to operate and maintain in the long term. You'll enjoy longer showers, warmer rooms and instant, precise heat for cooking, yet you could save money on your energy bills.

Modern gas appliances are sleek and contemporary, allowing more open space in living areas. Continuous flow water heaters can be placed outside the home so there is no need for an indoor water cylinder, freeing up valuable storage space.

✓ Gas is safe

The built-in safety features of today's modern appliances and advances in technology ensure that gas is a safe energy option. A smell has been added to the gas supply for easy detection if a leak occurs. It is recommended you have your gas appliances serviced regularly by a registered gasfitter to maintain their life and efficiency.

¹ www.asthmanz.co.nz/healthy-homes.php

Gas is good

A photograph showing a woman with blonde hair holding a young child with blonde hair. They are in a room with a fireplace in the background, where a fire is burning. The woman is looking at the child, who is looking down. The scene is warm and intimate.

Here's why:

Gas takes the heat off electricity

The direct use of gas in homes and businesses helps protect electricity supplies for everyone. It reduces the demand for electricity, especially in the peak winter season, and helps reduce the risk of power cuts in dry years when lake levels are low for hydro power.¹ Almost no gas is wasted when used directly, making this a more efficient way of utilising our energy resources.

Gas supports the 'renewables' future

Gas is the practical partner to other renewable energy sources. As a back up energy booster it provides security of supply when intermittent weather conditions don't deliver adequate energy for solar, wind and hydro. Gas is the reliable source of energy, whatever the weather, and there's a plentiful supply of gas in New Zealand for both domestic and commercial use.²

Gas is greener than you think

Of all the fossil fuels available, gas creates the least greenhouse gas emissions.³ It is highly flammable, burns almost completely and is considered a clean fuel as it does not produce any ash, dust or smoke. When gas burns efficiently in the air, it produces energy, water vapour and a small amount of carbon dioxide. Environmental concerns are addressed in the design of modern gas appliances which feature sophisticated burner systems, and produce fewer emissions.

¹ Powering our Future – New Zealand Energy Strategy to 2050. Ministry of Economic Development

² www.ganz.org.nz, Gas Association of New Zealand

³ Understanding the Contribution of Direct Use of Gas to New Zealand's Future Energy Efficiency Objectives, CAENZ, May 2008



The complete gas home

Enjoy the benefits of gas



Warmth

Ducted central heating provides high-performance heating, from small rooms to the entire home. Enjoy flame fires that enhance the ambience of the room and create a cosy living space - all at the flick of a switch or the push of a button.



Cooking

The cook's favourite. If you love cooking, you won't want to be without gas. Its searing intensity and precise temperature control are perfect for professional and amateur chefs alike.



Hot water

Endless hot water for the bathroom, kitchen and laundry. With a continuous flow gas hot water system, you'll never run out of hot water again.



Leisure

Gas barbecues and outdoor heaters extend your living outdoors, while pool and spa heaters provide year-round fun.

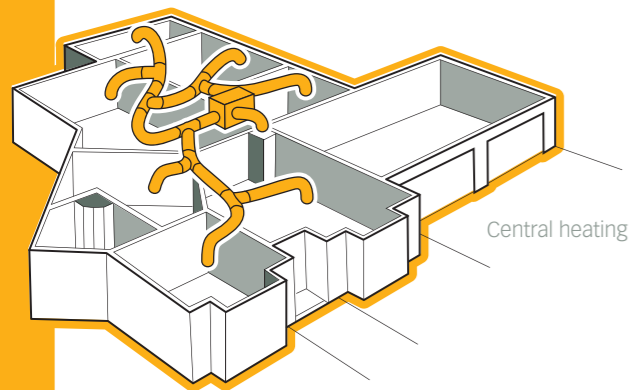


Why home heating is easier with gas

Live in a home that's snug and cosy - even on the coldest winter nights. With the steady warmth of gas central heating or the flickering light of a gas flame fire, you can heat your home quickly and efficiently.

Gas heaters come in a variety of sizes and styles and can include:

- Programmable timers to pre-heat rooms so they're warm when you get there
- Electronic keypads, timers and remote controls for no-fuss adjustments
- Thermostats to maintain your desired temperature
- Economy mode settings to save even more money
- Easy-start electronic ignitions
- Safety features including childproof locks and cool-to-touch cabinets



Central heating

Ducted central heating provides all-encompassing dry warmth while cost-effectively heating every room in your home to a constant, cosy temperature. You can also divide your home into zones and heat your living areas during the day and your bedrooms at night. Gas central heating systems draw air out of the overall area, through a centrally located return air duct, and pass it through a heater before returning warm air to the area.

Gas flame fires

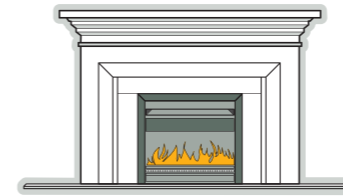
Enjoy the instant warmth and atmosphere of flickering flames, without the hassles of firewood or coal. Modern gas fires offer the best of both worlds; instant dry heat and the ambience of an open fire.

In-built gas fires

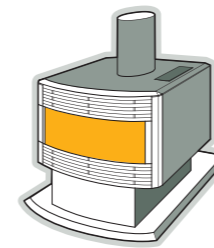
can be fitted into existing fireplaces.

Freestanding gas fires

can be installed anywhere, no hearth required.



In-built gas fires



Freestanding gas fires





Flued and portable heaters

Flued gas heaters are fixed in one location and have a flue outlet to release combustion products outside and are recommended for your main heating needs.

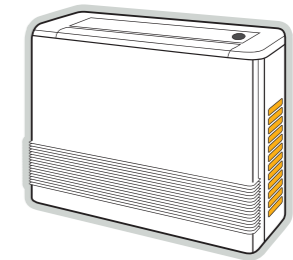
Portable heaters plug into a floor or wall bayonet point wherever they are located. As a portable heater does not have a flue, the combustion products are expelled into the room. There are some guidelines for where unflued heaters are appropriate*.

There are two basic heater types:

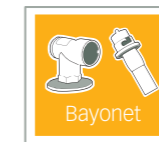
Convactor gas heaters use a high performance fan that quickly and evenly distributes heat to all parts of the room.

Radiant gas heaters deliver a direct heat with a cosy radiant glow. Some radiant heaters are combined with a convection fan to quickly warm the entire room.

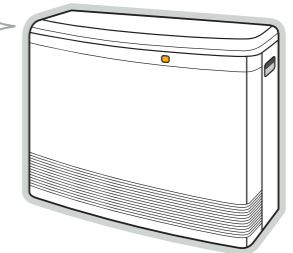
**Consult your gas appliance retailer about which is the correct solution for your home. There are considerations such as the climate where you live, the size of room/s being heated and some legislative requirements for bedrooms, bathrooms and hallways.*



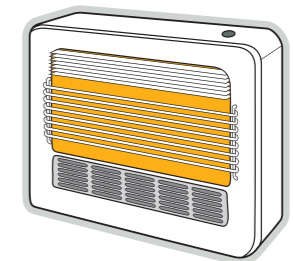
Flued convector heaters



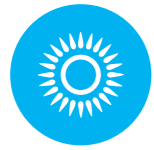
Bayonet



Portable convector heaters



Radiant heaters



Why cooking is better with gas

If you love cooking, then you'll love cooking with gas. A gas flame provides instant, even heat and precise temperature control. No other energy source delivers this unique combination of instant heat, excellent efficiency and complete control.

Gas cooktops

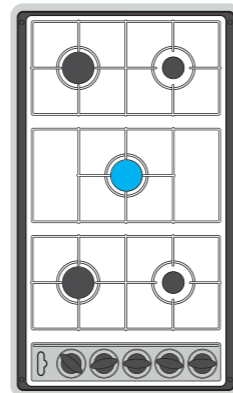
The wide range of gas ovens and cooktops offer the latest in cookware design plus unique features such as wok burners, fish burners and hotplates.

Instant heat, precise control

The chef's choice. Nothing compares to the instant heat and precise temperature control of gas.

Easy clean

One-piece cooktops or hobs make cleaning easy.



Gas hob





Why endless hot water is better with gas

Unlimited hot water any time of the day or night – that’s the beauty of having water heated by natural gas. You’ll also be able to power through mountains of washing and still have an endless supply for showers and baths, no matter how large your family or how many friends and relatives come to stay.

Continuous flow gas hot water systems

This gives you an endless supply of hot water, heated to a constant temperature.

Reliable

Never run out of hot water. The water is heated as it flows to the tap.

Economical

Only uses gas when the hot water tap is turned on.

Space saving

No cylinder means extra space and storage in your home.

Precise

Setting the water temperature means risks of burns are reduced.

Gas hot water storage cylinders

Highly efficient compared to electric cylinders, with rapid recovery times and the ability to heat large volumes of water quickly.

Flexible

Can be installed inside or outside your house.

Time saving

Most gas cylinders will heat your water from cold in less than an hour.

Right sized

Choice of cylinder sizes to suit every home.

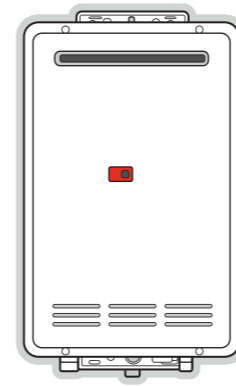
Always hot

No electricity is needed with a gas cylinder so a power cut won’t affect your hot water supply.

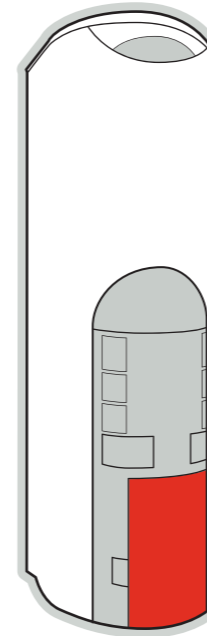
Consider a mains water pressure system

When having gas installed, it’s also worth installing a mains water pressure system.

- Increased pressure reduces the change in temperature if a tap is turned on elsewhere in the house while you’re in the shower
- Baths, washing machines and dishwashers fill quicker, reducing your waiting time
- Everyone in the house can enjoy strong, hot showers



Continuous flow



Storage cylinder





Why outdoor living is better with gas

Make the most of outdoor living with gas to fire up the barbecue, heat the pool or spa, and take the chill out of the air with a gas fire or patio heater.

Gas barbecues

An in-built or portable barbecue can become your year-round outdoor kitchen. Have a gas bayonet installed on the deck to hook up a freestanding barbecue or enhance your property with a built-in model.

Patio and outdoor heaters

Extend summer with outdoor warmth throughout the year. Patio heaters can be freestanding or wall mounted, and produce radiant heat, heating people and objects directly, not the air in between.

Spa and pool heaters

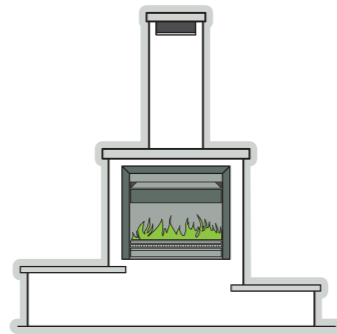
Gas heating keeps your spa hot and your pool at a comfortable temperature all year long. Units can be installed that warm both a pool and spa which share the same filtration and heating systems. Dual controllers are available to set separate pool and spa temperatures.

Outdoor gas fires

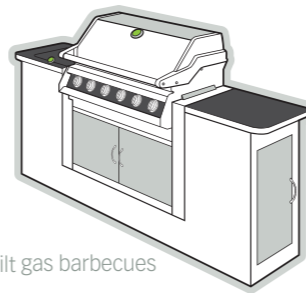
In-built outdoor gas fires not only keep guests warm, they also enhance the atmosphere. Modern designs can include heat exchangers and fans for greater heat efficiency.



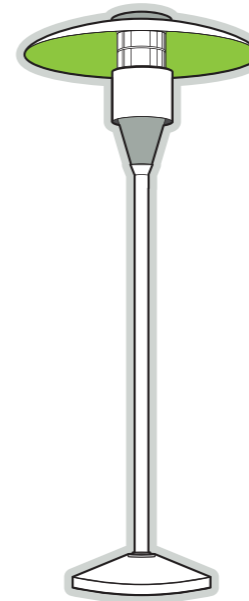
Portable gas barbecues



Outdoor gas fires



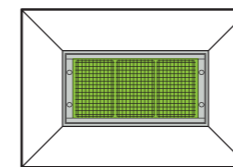
In-built gas barbecues



Patio and outdoor heaters



Spa and pool heaters



Patio and outdoor heaters



Connecting to Vector's gas network

If the natural gas piped network is in your street, Vector will arrange for an underground pipe to be laid from the gas network main in the street to your home. The advantage of piped gas is that you are permanently connected to the gas supply.

Laying the pipe

The new gas service pipe will be laid from the street to your house and the gas meter mounted in a suitable location. Construction techniques mean many installations can be completed with minimal disruption to driveways and gardens. Vector also takes care of obtaining Road Opening Notices from your local council.

1 Is there gas in your street?

Find out if there is gas in your street by contacting your choice of companies below. And if the piped natural gas network is in your street, they will manage your application to connect.

- Gas energy retailer - for a list go to: **www.vector.co.nz**
- Accredited appliance retailer - for a list go to: **www.vector.co.nz**
- Vector direct:
Auckland **0800 42 75 48**
Rest of North Island **0800 22 22 60**

2 Application to connect

As part of the application process, the following information is required:

- **What gas appliances are being installed**

The gas appliances being installed helps determine the estimated gas "load" which is used for the connection design and specification for the property.

- **Who your gas retailer is going to be**

Your choice of gas retailer will bill you for the gas once you are connected. They will also provide and install your gas meter.

3 Measure and quote

Vector will check that your property can be connected to gas, take measurements from our mapping system and complete a construction plan. This information will be used to establish your contribution towards the connection cost.

If unforeseen conditions are encountered during construction Vector may stop work and reassess the cost and construction required.

4 Connection to Vector's gas network

This involves laying and connecting the underground gas pipe from the street to your gas meter. It includes arranging for a Road Opening Notice (carriageway access request) from your local council plus securing other utility plans and extra permits as required. This phase of the process can take up to 4-6 weeks from the time you accept the quote and pay (if there is any cost).

Vector will update you on progress and will liaise with your energy retailer for the meter to be installed.

Once the connection is made, Vector then tests, purges and livens the gas network.

5 Installation of appliances

Your chosen certified gasfitter can install your appliances and connection points together with all the necessary internal gas pipes from the meter position.

The gas is on!

Your gasfitter will turn on the gas and ensure the installation is completely safe and meets all industry codes and standards. It is a legal requirement that a "Certificate of Compliance" is issued to you by the gasfitter on completion.



Vector gas networks

Vector's natural gas networks are throughout the North Island. To find out if there's gas in your street, call:

Auckland Network 0800 42 75 48 ●

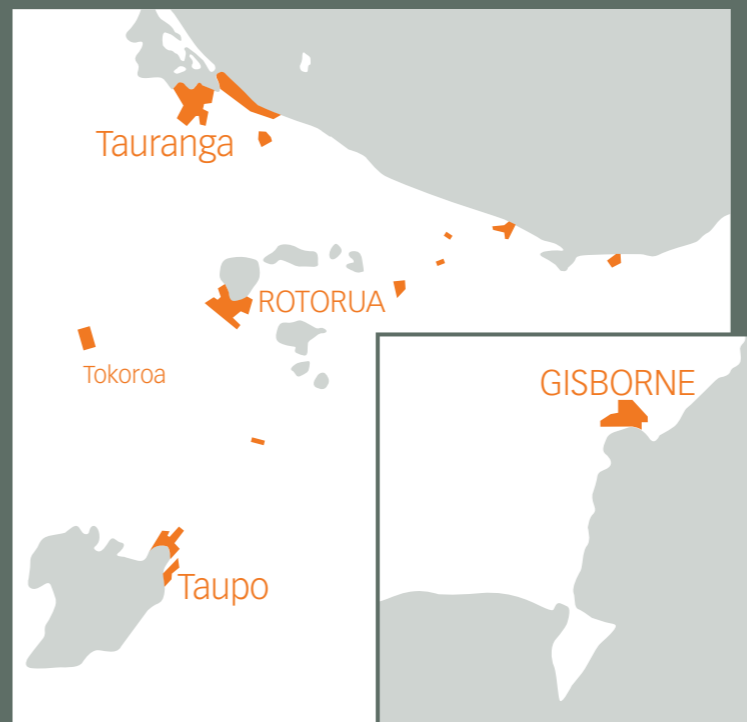
Rest of North Island 0800 22 22 60 ●



WHANGAREI | WARKWORTH



AUCKLAND | HAMILTON



TAURANGA | ROTORUA | WHAKATANE | TAUPO | GISBORNE (insert)



LOWER NORTH ISLAND

Frequently asked questions

What work does Vector undertake to do my connection?

- Design of the new connection.
- Obtaining consents from local councils and plans of all other utilities in the street.
- Physical construction of the gas connection.
- Coordination of other services to complete your gas connection e.g. energy retailers and meter installers.

Is there a cost for getting connected to gas?

Possibly. The cost for a connection can vary depending on the length of the service required and the specific construction requirements.

How long does it take to connect?

To complete the connection, it takes approximately 4-6 weeks from the time you accept the quote and pay (if there is any cost).

What do I need to do?

There are some things that fall outside Vector's control that only you can manage. These include:

- Obtaining any necessary neighbour consents for cross-leases and rights-of-way
- An easement if you do not own the land the service has to cross
- Obtaining an arborist report if there are protected tree root systems, inside or outside your property boundary, in the way of the proposed service
- Internal gasfitting and appliance installation

Is there a cancellation fee if I change my mind after accepting the quote?

Only if you cancel the installation when Vector has already incurred costs.

Where can I find out more?

If you have any questions or require more information about getting your house connected, phone **0800 42 75 48** (Auckland area), or **0800 22 22 60** (rest of North Island).

