



The Beauty of Gas

Published monthly by LPG and Gas Associations of NZ

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Welcome to Gasline, which is produced by Gas New Zealand.

Gasline is published regularly as part of the industry's efforts to encourage the direct use of natural gas and LPG into households and small businesses.

Using natural gas and LPG as a direct energy source offers numerous cost, environmental and energy efficiency benefits. Gas New Zealand hopes to educate consumers and policy makers about the many advantages of making wider use of this strategic use of this energy asset.

Gas NZ Competition in the NZ Herald

Julia Russell and Mark Pierson have been announced as the 2014 winners of Gas NZ's Beauty of Gas competition in the New Zealand Herald which attracted hundreds of entries.

This year Rinnai and Aber very generously donated the prizes for the NZ Herald competition creating a total prize package of more than \$13,000.

Julia Russell won a new Rinnai Evolve 950 gas fire worth \$6127.00 and a Rinnai INFINITY VT 26 continuous flow water heater worth \$1725.00 as well as installation costs for both Rinnai products up to \$2000.00.

"I am looking forward to the warmth and cosy atmosphere that the new fireplace will offer our family. The water heater will be installed in my parents' house just in time for winter. They are really looking forward to it!"

Mark Pierson won a Paloma 27L 6 Star Continuous Flow Water Heater –worth \$1749.00 plus installation costs of up to \$1000.00 from Aber.

"I spent years considering changing to gas hot water in our home. We made the decision recently to switch to a gas hob in our kitchen.

"I have been working on completing our spa pool and will be looking at using the water heater from Aber to heat the spa. If we can't use it for the spa pool we are going to wait until we renovate later this year and install it in the house."

The competition has been run in the NZ Herald for the last three years and is held to draw people to the Beauty of Gas website which has recently been updated.

The new Beauty of Gas Website has now had more than 3,500 page views and 1500 new visitors to it since it went live in March.



Mark described the new website as "bright, attractive and easy to navigate. The information I needed was readily available".

New standard on storage and handling of LPG

Standards New Zealand has published AS/NZS 1596:2014 The storage and handling of LP Gas. This edition is a revision of AS/NZS 1596:2008.



This standard specifies requirements for the location, design, construction, commissioning, and operation of installations for the storage and handling of LP Gas, and includes the management of emergencies.

The objective of this standard is to provide designers, planners, operators, and regulators with technical and procedural requirements for installations for the safe storage and handling of LP Gas.

AS/NZS 1596 has been revised in terms of safety and technical matters. Key changes in the 2014 revised standard include:

- Updates in procedures in light of industry best practice, including updates to references
- A new informative Appendix Q, 'Impact protection', for assessing the requirements for the protection of tanks and cylinders from impact
- A new informative Appendix P, 'Transport of portable LP Gas cylinders for trade use', covering the transport of cylinders for trade use
- A number of changes have been made to address safety concerns regarding the hazardous nature of working in underground pits
- Appendix K has been reviewed to bring the emergency planning aspects of the standard in line with current emergency services terminology and practice.
- A significant number of minor changes have been made to align the standard with New Zealand regulatory practice.

The standard is cited in the Code of Practice for In-situ filling of LPG cylinders (HSNO COP 38), and in the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004.

AS/NZS 1596:2014 can be purchased on the Standards New Zealand website www.standards.co.nz

We are always looking for stories from both the natural gas and LPG worlds, as well as the wider gas community.

If you have any story ideas for Gasline please email Daniel

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Australia's AGL Energy to Roll Out CNG Infrastructure

AGL Energy Limited based in Sydney, plans to roll out CNG refueling stations across the east coast, accelerating involvement in the alternative fuel market for transport vehicles in Australia.

AGL Smart CNG was launched at the International Truck and Trailer Equipment Show held recently in Melbourne by AGL Managing Director Michael Fraser and the Victoria Minister for Energy and Resources Hon Russell Northe MP.

"The sixth largest country by landmass, Australia's road transport sector is central to our economy, getting food from farms to homes and connecting businesses to markets," says Mr Fraser.

"The transport sector is also the second most energy intensive industry in Australia. A rising proportion of our road transport sector is also fuelled by foreign crude and fuel imports, increasing from 60 per cent in 2000 to over 90 per cent today.

"Diversifying our fuel mix and building an alternative fuels industry locally is part of the solution to developing a more resilient economy,"

AGL's truck show exhibit included several CNG dedicated short-haul and rigid trucks.

AGL says it has had enquiries from a number of leading Australian businesses for Alternative Fuel Strategy Workshops and anticipates this will grow following the launch of AGL Smart CNG.

To read the full article [click here](#)



L-R Michael Fraser with Minister Russell Northe at launch of AGL Smart CNG. (Photo V. Lascaris)

LPGA lobbying getting results

The LPGA has spent many years communicating with all of the local authorities in New Zealand and has made numerous submissions over resource consent trigger limits for LPG storage in district plans.

Now LPGA Executive Director Peter Gilbert reports there are definite signs that the efforts are paying dividends.

"The Auckland unified plan now has trigger limits for LPG which are entirely reasonable. Also both Napier and Hastings have recently decided to remove requirements completely. This is great news and means our lobbying efforts are getting results," says Mr Gilbert.

He says the Association has written to every local authority in the country and has also made 8 formal submissions.

"We have also worked with the Ministry for the Environment to propose wording changes in the Resource management act itself to make clearer what the responsibilities of local authorities are for hazardous substances."

Mr Gilbert says resource consents increase costs for consumers and create regulatory complexity for suppliers.

Gas fuelled trains in the US

Some rail companies in the US are planning to retrofit diesel burning locomotives with natural gas in a move to cut fuel costs and reduce pollution.

It has been reported in the States that rail companies want to take advantage of booming natural gas production that has cut the price of the fuel by as much as 50 per cent, so they are preparing to experiment with redesigned engines capable of burning both diesel and liquefied natural gas.

"Natural gas may revolutionise the industry much like the transition from steam to diesel," says Jessica Taylor, a spokeswoman for General Electric's locomotive division, one of several companies that will test new natural gas equipment later this year.

One large rail company Union Pacific spent more than \$US3.6 billion on fuel in 2012, a quarter of its total expenses.

Both of the major locomotive manufacturers, General Electric and Caterpillar's Electro-Motive Diesel have developed prototypes that will be tested by Union Pacific, CSX, BNSF and Canadian National railroads beginning this year.

The locomotive makers say natural gas engines could significantly reduce emissions compared with diesel locomotives, but the potential costs savings are the biggest reason the rail industry wants to make the change.

Peter Roosen is CEO of VeRail, which is developing natural gas conversion kits for low horsepower locomotives.

"I think we're going to have reasonably priced natural gas for decades, if not for a generation or two."



A General Electric experimental natural gas locomotive.