



**Gas Appliance  
Manufacturers  
Association of  
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## **PICAC Narre Warren Inauguration**

Around 450 local and overseas industry delegates attended the official opening of the PICAC training facility on Tuesday 10 September.

PICAC Narre Warren is Australia's first Net-Zero Energy training facility and the first building in Australia to utilise building foundation screw piling to source geothermal energy for its heating and cooling requirements. This makes it a beacon for best practice and showcases how smart energy systems can be incorporated into building design. The facility houses a 120 seat general auditorium; 12 training rooms; confined spaces and roof access training facilities and world leading facilities for welding and gas fitting training.

The training facility, designed for the plumbing industry, will generate all energy required to support the operation of the building on site through the incorporation of several renewable energy technologies.

The Narre Warren facility will be shared by PICAC and the International Association of Plumbing and Mechanical Officials (IAPMO). IAPMO are one of the world's leading plumbing product certification agencies and the Fullard Road site will house IAPMO R&T Oceana's new research centre and product testing laboratory.

## **New Direction for Energy Safe Victoria**

Premier & Government 9 September 2019

The search is on for a new executive to lead Energy Safe Victoria (ESV), as the Andrews Labor Government continues its ambitious reforms to strengthen the energy safety regulator.

Minister for Energy Lily D'Ambrosio said recruitment would begin immediately to ensure a smooth transition before outgoing Director Paul Fearon's retirement in November, particularly in the lead-up to the busy summer bushfire season.

The new appointment will be charged with continuing Energy Safe Victoria's important work and overseeing the Government's reforms to boost its capacity and powers. They will also act as the Chair Delegate to oversee the establishment of the three-person ESV Commission recommended last year by the extensive Grimes Review and endorsed by the Government.

ESV has been given more resources and a mandate to better engage with the community and hold duty holders to account, which is vitally important as the industry transforms. Auditing inspections for electrical infrastructure have tripled by increasing inspector numbers, which has also doubled ESV's capacity to undertake gas pipeline inspections.

This position plays a vital role in preparing Victoria for the continuing effects of climate change, new and emerging technologies and a transforming energy industry.

Mr Fearon has made a significant contribution to energy safety regulation and reform during his tenure, which will reach 10 years in November.

As noted by Minister for Energy Lily D'Ambrosio - "I thank Paul Fearon for the significant contribution he's made to the energy sector, and for his efforts in leading the important reforms identified by the Grimes review." Energy Safe Victoria plays a vital role in monitoring the energy sector and holding those who do the wrong thing to account."

"We're looking for a new leader to continue this important work building a stronger energy regulator to keep Victorians safe."

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## **Global Gas and LNG outlook to 2035**

McKinsey & Company September 2019

Expansion in the gas and LNG markets continues, with LNG demand expected to increase 3.6 percent per year to 2035.

Detailed market research and continuous tracking of market developments—as well as deep, on-the-ground expertise across the globe—informs our outlook on global gas and liquefied natural gas (LNG). We forecast gas demand and then use our infrastructure and contract models to forecast supply-and-demand balances, corresponding gas flows, and pricing implications to 2035.

Executive summary:

The past year saw the natural-gas market grow at its fastest rate in almost a decade, supported by booming domestic markets in China and the United States and an expanding global gas trade to serve Asian markets. While the pace of growth is set to slow, gas remains the fastest-growing fossil fuel and the only fossil fuel expected to grow beyond 2035.

While we expect coal demand to peak before 2025 and oil demand to peak around 2033, gas demand will continue to grow until 2035, albeit at a slower rate than seen previously. The power-generation and industrial sectors in Asia and North America and the residential and commercial sectors in Southeast Asia, including China, will drive the expected gas-demand growth. Strong growth from these regions will more than offset the demand declines from the mature gas markets of Europe and Northeast Asia.

Gas supply to meet this demand will come mainly from Africa, China, Russia, and the shale-gas-rich United States. China will double its conventional gas production from 2018 to 2035. Gas production in Europe will decline rapidly. [Read the full report here](#)

## **Natural Gas – An Australian solution to a global challenge**

APPEA 9 September

The important role Australia's natural gas industry plays in reducing global greenhouse gas emissions is too often overlooked or downplayed in debating issues on principle rather than embracing reality.

While Australians are rightly concerned about how we reduce emissions at home, we overlook the fact that liquefied natural gas (LNG) exports from Australia have the potential to save global emissions equal to over a quarter of the country's total annual domestic greenhouse gas emissions.

Clearly there are emissions associated with producing natural gas, but there are real emissions reductions in using natural gas.

Australia's latest National Greenhouse Gas Inventory underpins recent comments from Minister for Energy and Emissions Reduction Angus Taylor that this equates to lowering emissions in importing countries by around 152 million tonnes (Mt) of carbon dioxide principally by the actual and potential displacement of coal consumption in those countries.

This is a substantial global contribution which Australia should be proud of. The figure represents around 27 per cent of Australia's total annual emissions – more than the combined emissions from the Australian transport and waste sectors. Another new study by the CSIRO's Gas Industry Social and Environmental Research Alliance has highlighted that considerable climate benefits are possible where natural gas is used for electricity generation; particularly in developing countries.

So, it's important for the oil and gas industry – especially Australia's growing LNG sector – to be recognised for the positive role it is and can play in the broader energy and generation debate. In short, natural gas is enabling the shift to renewables and will continue to do so for decades come.

As the global appetite for energy continues to grow, the process of substituting gas for more emissions-intensive fuels allows importing countries to satisfy growing demand and reduce emissions.

When replacing other fuels, LNG can cut help to emissions by around 50 per cent..... [Read to full article here](#)

## **Ai Group Leading the Australian Performance Indices**

Each month Ai Group releases real-time performance indices for the manufacturing, services and construction sectors. These national indices are constructed from survey data collected from businesses Australia-wide, on a representative sample basis.

View the August performance data [here](#)