

## Australian-first, \$11.4 million hydrogen demonstration plant to be built in

**Adelaide** - AGN 21 February 2018

An Australian-first, \$11.4 million demonstration plant that will produce hydrogen from renewable energy will be built in Adelaide.

Adelaide-based Australian Gas Infrastructure Group (AGIG) – the country’s largest gas distribution business – will construct and operate the state-of-the-art plant at Tonsley Innovation District, in Adelaide’s southern suburbs.

This follows a \$4.9 million grant from the South Australian Government through its \$150 million Renewable Technology Fund.

The power-to-gas demonstration plant – to be called Hydrogen Park SA (HyP SA) – will produce hydrogen from renewable electricity, which will then be injected into the local gas distribution network at the Tonsley Innovation District south of Adelaide to provide low-carbon gas to homes and businesses.

"We are delighted that South Australia will lead the way with this pioneering technology," AGIG Chief Customer Officer, Mr Andrew Staniford, said today. "The aim of the demonstration plant is to reflect how energy will be provided to businesses and homes in the future," he said.

"It will also illustrate the complementary nature of gas and electricity in meeting the decarbonisation challenge – a key in balancing the energy trilemma.

"The project is expected to be the first in Australia where renewable electricity is stored and distributed in the gas network as hydrogen, providing an additional market for fluctuating renewable electricity and thereby also improving the economics of renewable electricity.

"And importantly, it propels South Australia’s status as a leader in renewable technology and a first mover in hydrogen. Read full media release [here](#)

## Renewable Energy Prospects for the European Union

International Renewable Energy Agency Report 5 March 2018

The European Union (EU) is at the forefront of the global energy transformation. Its steadfast commitment and long-term vision combined with today’s cost-effective renewable energy options has enabled the region to nearly double the share of renewable energy from 2005 to 2015. As a result, the EU is on track to meet its 2020 renewables target, and its 2030 target of a 27% share of renewable energy is well within reach. Although impressive progress has been achieved as a result of the ambition and vision of the EU to meet climate targets, more effort will be needed to meet long-term decarbonisation objectives.

This report, Renewable Energy Prospects for the European Union (REmap EU), identifies cost-effective renewable energy options for all EU Member States – spanning a wide range of sectors and technologies – to accelerate the deployment of renewables towards 2030. The study also identifies areas where further action could be taken to unleash the full renewable energy potential identified.

### KEY FINDINGS

- The EU could double the renewable share in its energy mix, cost effectively, from 17% in 2015 to 34% in 2030.
- All EU countries have cost-effective potential to use more renewables.
- Renewables are vital for long-term decarbonisation of the EU energy system.
- The European electricity sector can accommodate large shares of solar PV and wind power generation.
- Heating and cooling solutions account for more than one third of the EU’s untapped renewable energy potential.
- All renewable transport options are needed to realise long-term EU decarbonisation objectives.
- Biomass will remain a key renewable energy source in 2030 and beyond.

Read the full report [here](#)



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