



UPDATE #14

portkemblahydrogenhub.com.au

Date: 6 October 2021

Busy times continue at Port Kembla. This Hydrogen Hub Update #14 contains information on the following projects and activities;

- Green Energy Partners - Wollongong Offshore Wind Farm
- BlueScope releases Climate Action Report
- Port Kembla Gas Terminal Update
- Port Kembla Power Station secures \$30m funding
- Future Mobility Day #3
- Heavy Road Transport Trial brochure
- Port Kembla Hydrogen Hub Meeting #8

Green Energy Partners – Offshore Wind Farm

Offshore wind farm developer Green Energy Partners (GEP) has released plans for a 3GW Wollongong Offshore Wind Farm.

Led by energy industry veteran Dan Hansen, GEP's ambitious plans also include an additional 5GW of capacity for large scale hydrogen production.

The GEP Wollongong Offshore Wind Farm represents the second offshore wind farm proposal for the region.

It follows the announcement of the 2GW Oceanex Illawarra Wind Farm proposal featured in Update #7.

Both the Oceanex and GEP proposals were included in the [Blue Economy CRC Offshore Wind Energy Report](#) released in July 2021.

The region has now attracted some 40 percent of Australia's planned 25GW of offshore wind farm proposals.

The Commonwealth Government has also passed important enabling legislation in early September 2021 ([Offshore Electricity Infrastructure Bill](#)) that will help the development of the Offshore Wind industry in Australia. The legislation provides a regulatory framework for offshore renewable energy projects including the construction and operation of offshore wind farms.



**GREEN ENERGY PARTNERS
OFFSHORE WIND FARM**

**GREEN ENERGY PARTNERS
WOLLONGONG OFFSHORE
WIND FARM**

OWNER: [Green Energy Partners Australia](#)

DESCRIPTION: Construction of large scale floating offshore wind farm to supply renewable electricity to the National Electricity Market grid.

STATUS: Preliminary feasibility work commenced.

TYPE: Offshore wind farm with up to 200 floating wind towers developed in four phases.

CAPACITY: 3GW proposed with opportunity for another 5GW of capacity to support large scale hydrogen production.

INVESTMENT: \$15bn estimate.

LOCATION: Wollongong LGA

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Image courtesy of Orsted - offshore wind turbines and electrical sub-station

BlueScope releases Climate Action Report

Following the August announcement about the potential key role green hydrogen may play in its future decarbonisation pathway, BlueScope on the 1 September 2021 released its first [Climate Action Report](#). The Climate Action Report provides detailed information on how the company is focused on achieving its next zero target by 2050 and includes mid-term carbon reduction targets for both steel making and non-steel making operations by 2030.

The following video provides an overview of the Climate Action Report.

<https://www.youtube.com/watch?v=l48nShvB7gc&t=18s>

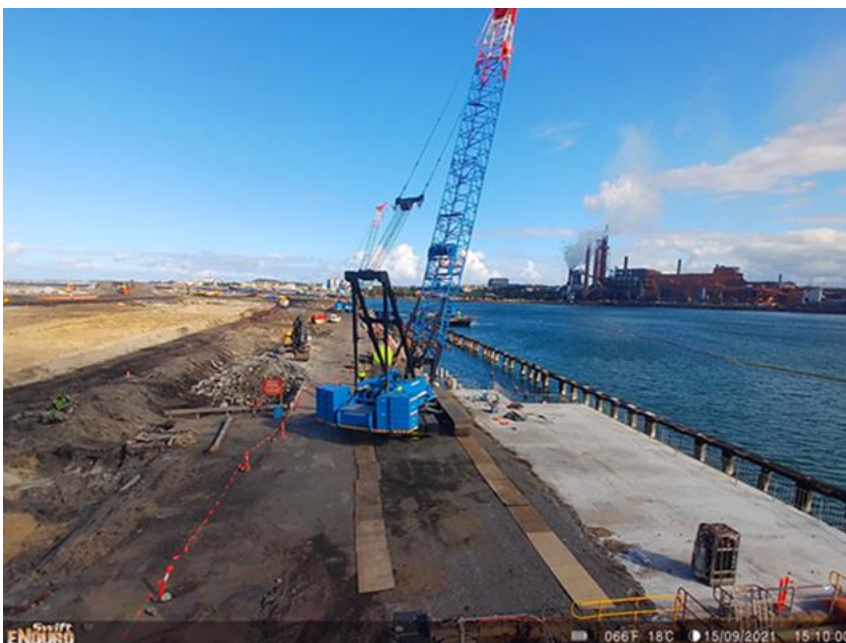
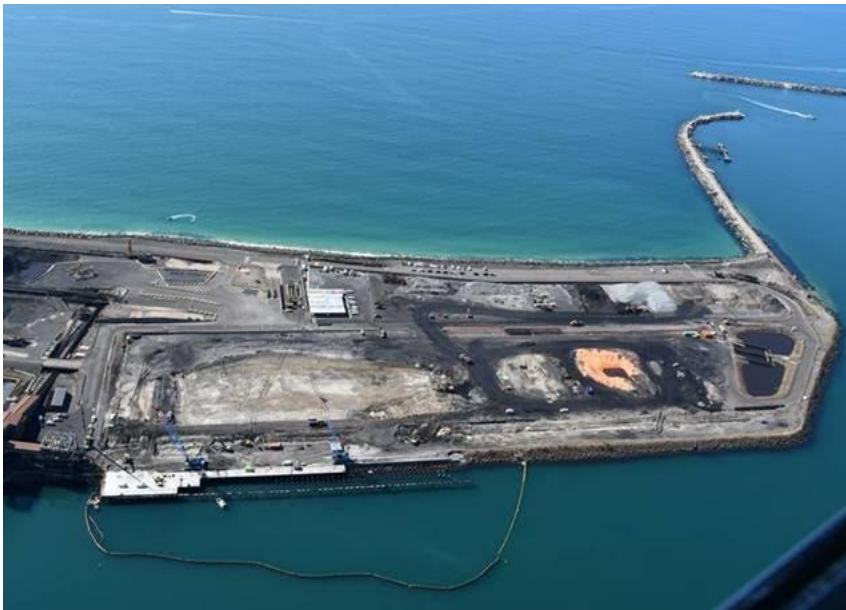


AIE Port Kembla Gas Terminal Update

Work is progressing on the \$250m AIE Port Kembla Gas Terminal project that is scheduled for completion by late 2022.

The following images show the scale of the demolition work that is happening at the site with the removal of the existing concrete deck pieces and pylons to create the new FSRU berth.

Despite Covid restrictions, all the concrete deck pieces have now been removed with the pylons expected to be removed by the end of this year.



Port Kembla Power Station secures \$30m funding

OCTOBER 5 2021 - 6:30PM

Government's \$30 million backing for Port Kembla's gas-fired power plant

[Latest News](#)



Angus Taylor says a gas-fired power station at Port Kembla will support electricity supply in NSW.

A proposed Port Kembla gas-fired power station backed by mining billionaire Andrew Forrest has received a \$30 million boost from the federal government.

But the funding could face a challenge in the Senate if the Greens seek to disallow the regulations behind it.

The money will support early works on Australian Industrial Power's 635MW Port Kembla power station, which will also be hydrogen-capable, as it progresses to final investment decision.

Energy Minister Angus Taylor said the project would play a crucial role in supporting reliable electricity supply in NSW. The Australian Energy Market Operator has forecast up to 19,000 megawatts of dispatchable capacity such as gas will be required across the national electricity market to support record growth of renewables.

Mr Taylor said the government would work with AIP to assess the project for support through the Underwriting New Generation Investments program.

The government is seeking a pipeline of such projects as older coal-fired generation winds down.

The plant and associated work on the Port Kembla import terminal is expected to generate around 850 direct jobs.

"New gas supply and generation will help re-establish a strong economy and make energy more affordable for families and businesses, while complementing the world-leading levels of renewables in Australia," Mr Taylor said.

The government has made the grant a disallowable instrument, meaning political parties could overturn in parliament if they can muster the numbers.

It comes as the latest Australian energy statistics show gas consumption rising four per cent in 2019/20. Gas provided 27 per cent of Australia's energy mix in 2019/20 and was the most-used energy source by the manufacturing sector (42 per cent). Renewables continued to increase as a share of total generation in calendar year 2020, rising to 24 per cent, up from 21 per cent in 2019.

Energy consumption fell by 2.9 per cent in 2019/20, largely driven by a nine per cent drop in the transport sector due to COVID-19 restrictions on travel.

Regional Development Australia Illawarra CEO Debra Murphy welcomed the government's investment.

"This is a significant commitment by the federal government to the future of green energy projects in the Illawarra. It's a great thing for our region and it's putting us in the position we want to be in for future energy needs."

- AAP

Future Mobility Day #3 - 4 November 2021

Due to changing Covid restrictions for the Greater Sydney area that includes Wollongong and Port Kembla, the next Future Mobility Day event on the 4 November 2021 may be a face to face meeting instead of a virtual event as previously advised. Registration details for the event will be released shortly.

The Future Mobility Day #3 program will involve presentations on the following hydrogen mobility areas:

- Heavy Road Transport Trial - Stage 2 update
- Mining Equipment Trial
- H2ICE - Hydrogen powered internal combustion engine technology

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PORT KEMBLA HYDROGEN HUB

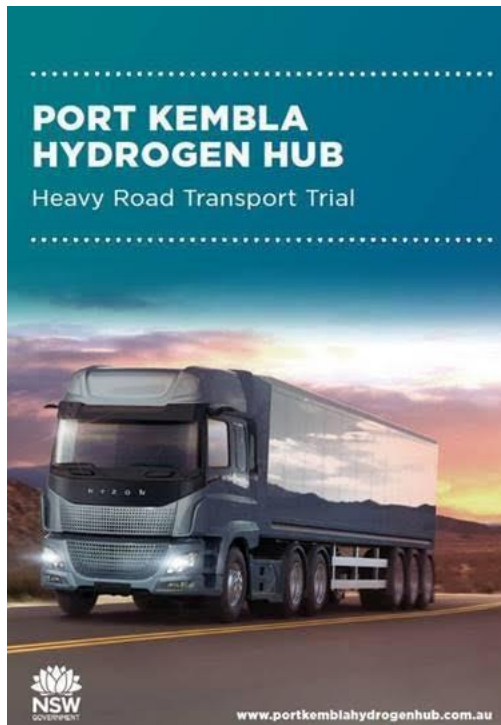
Future Mobility Day #3
4 November 2021

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Heavy Road Transport Trial brochure

A brochure providing detailed information on the Heavy Road Transport Trial that will commence in mid 2022 has been released.

A PDF copy of the Heavy Road Transport Trial brochure is attached or it can be viewed electronically online [here](#).



Regards

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