



# Project Updates

Week ending 14 April 2017

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## **NEOEN chooses QOS Energy's innovative O&M software to track performance at 315 MW Australian wind farm**

10 April

Neoen, a leading renewable project developer and owner, has chosen QOS Energy's innovative O&M management platform to monitor the performance of the 315 MW Hornsdale wind project, which will be amongst the largest wind farms operating in Australia once fully commissioned.

The project, consisting of 96 Siemens 3.2MW wind turbines, is being built in three stages; two of which have been completed. Neoen has deployed Quantum®, the IEC compliant energy management SaaS powered by QOS Energy, to monitor the two first stages of the project.

One main benefit for Neoen is the fact that no additional hardware or system installation is required onsite to run the software, which allows for a swift and cost effective set-up of data acquisition processes. The platform gathers and analyses data generated by each turbine for all measured values using a secure VPN connection. Quantum® is compatible with every kind of wind turbine, communication standard or database connection protocol.

“We are very proud of the successful collaboration we have with Neoen for this important project. Our day-to-day challenge is to deliver best-in-class O&M analytics services for some of the largest renewable projects in

the world. Project after project, Quantum® continues to showcase its powerful analytic and O&M performance capabilities,” said Fabrice Wacogne, Chief Customer Success Officer at QOS Energy.

Neoen can customise operating dashboards, analysis, KPIs, alerts, reports or contracts depending on their specific needs. The engineering team of QOS Energy has delivered bespoke performance indicators and KPIs for the whole wind farm, and custom operating dashboards have been delivered for each user type.

“We are very pleased with the first-class service provided by QOS Energy for this project. We can monitor the wind farm's operational and financial performance as soon as each turbine is installed onsite,” concluded Laurent Francisci, Operations director Australia at Neoen.

Source: Neoen

*Click on project to go to online datasheet:*  
[Hornsdale Wind Farm](#)

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## **Enel lands in Australia with country's largest solar PV project**

10 April

Enel, through a joint venture between the Group's fully-owned renewable energy subsidiary Enel Green Power S.p.A. (“EGP”) and Dutch Infrastructure Fund (“DIF”), has closed an agreement to acquire Bungala Solar One, the first 137.5 MW<sup>1</sup> phase of the 275 MW1 Bungala Solar PV project, which is currently the largest ready-to-build solar PV project in Australia, from Bungala Solar Holding Pty Ltd., a subsidiary of Australian developer Reach Solar Energy Pty Ltd.

The purchase of Bungala Solar Two, the second phase of the project, is expected to be closed in the third quarter of this year. The

Bungala Solar project is located near Port Augusta in South Australia.

“The acquisition of Australia’s largest PV project, which takes us onto a new continent, is an important step forward for the Enel Group,” said Francesco Starace, Enel CEO and General Manager. “The Australian renewable energy market is characterised by abundant resources and growing demand. Enel will work to harness these resources and contribute to the Australian economy, generating shared value for all our stakeholders through a strategy that delivers industrial growth built upon a foundation of sustainable development.”

The joint venture’s total investment in the 275 MW1 project is around 315 million US dollars, including project construction, with Enel contributing around 157 million US dollars. The total investment will be financed through a mix of equity and project finance with a consortium of local and international banks. The project is fully contracted with a long-term power purchase agreement with Origin Energy, a major Australian utility.

Construction works at Bungala Solar One are expected to begin by mid-2017, followed by Bungala Solar Two, whose construction will start by the end of this year. The overall 275 MW1 project will be fully operational by the third quarter of 2018.

The Bungala Solar project is designed to generate around 570 GWh a year, equivalent to the consumption needs of approximately 82,000 Australian households, avoiding the emission of about 520,000 tonnes of CO<sub>2</sub>.

Australia is a country of great interest for the Enel Group due to its abundance of renewable sources (in particular sun and wind), a growing demand for renewable energy, its network infrastructure and the existing regulatory framework as evidenced by the Federal Government’s Renewable Energy Target (“RET”) programme. RET has set a target of having 23.5% of energy generated from renewable sources by 2020 and is

complemented by State-level initiatives aimed at increasing renewable energy generation through a tender-based mechanism.

<sup>1</sup> dc capacity, equivalent to around 110 MWac for each phase of the Bungala Solar project and approximately 220 MWac for the overall project.

Source: Enel

## **Origin boosts renewable energy portfolio by 550 MW; on track to add up to 1,500 MW of new renewables by 2020**

11 April

Origin today welcomed financial close on the Bungala Solar Project, with the company’s agreement to buy all of the renewable power from the plant bringing Origin’s recent commitments to new utility-scale solar projects to 550 MW.

This puts Origin on track to meet its commitment to build or contract between 1,000 MW and 1,500 MW of large-scale renewable energy by 2020.

Origin CEO, Frank Calabria said, “In the past year we have underpinned approximately 550 MW of new renewable energy projects, representing approximately one third of the capacity of the recently retired Hazelwood Power Station.

“Our ambition to build or contract up to 1,500 MW of new renewables by 2020, almost replacing the Hazelwood capacity entirely, will be crucial to delivering the clean and reliable energy supply Australian homes and businesses are demanding.”

Origin’s agreement to buy all of the renewable power from Bungala Solar Project is the company’s largest ever solar power purchase agreement. Origin will also acquire

the associated Large Scale Generation Certificates.

Other recent offtake agreements for renewable power were signed with Moree, Lakeland and Clare solar farms.

At 220 MW, Bungala Solar Project in Port Augusta will be one of the largest solar farms in Australia. Having reached financial close, Bungala is expected to shortly begin construction.

Origin expects to start receiving power from the first stage of the solar farm's development in time for the summer of 2017/2018. The entire 220 MW is expected to be operational by August 2018.

Mr Calabria said, "Origin is delighted to be an active supporter of Bungala Solar Project. By putting in place a long-term contract to purchase all of the solar power Bungala produces, we have played an important role in helping it reach financial close.

"Bungala's development will mean more jobs in Port Augusta and will also contribute to improved energy security in South Australia, as solar is a more predictable form of renewable energy than wind.

"Recent events in South Australia have demonstrated the importance of energy security, and identified the need for sufficient backup from gas-fired generation to balance the intermittency of renewable energy.

"Energy markets around the world are in transition and Australia is no different.

"We must make sure our energy supply is secure, as Australian homes and businesses rely on it. At the same time, we must make sure energy continues to be affordable as we move Australia towards a cleaner supply.

"Origin is proud to be playing an active role in this transition. We own the nation's largest fleet of gas-fired peaking power stations located across New South Wales, Queensland,

Victoria and South Australia, and so we play an important role in helping to maintain energy security.

"As a leading gas producer, we are also making sure gas is available for other peaking power stations. For example, last month we announced a gas supply deal with Engie to underpin the second generation unit of its Pelican Point power station, further supporting energy security in South Australia.

"Renewable energy and natural gas are complementary sources of energy, and are expected to play an increasingly important role in helping Australia achieve the right balance between energy security, affordability and sustainability," Mr Calabria said.

The Bungala Solar Project is being developed by Reach Solar and is owned by consortium partners ENEL Green Power S.p.A and the Dutch Infrastructure Fund.

Source: Origin Energy

*Click on project to go to online datasheet:*  
[Bungala Solar Project](#)

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## **New agreements propel Lincoln Gap Wind Farm forward**

11 April

Construction of a \$450 million wind farm in Port Augusta is a step closer with the signing of new agreements between the developer and a major Australian energy company.

ERM Power (ASX: EPW) has signed two long term Large Scale Generation Certificate (LGC) agreements with leading independent power producer Nexif Energy to support construction of the Lincoln Gap Wind Farm 15 kilometres west of the Spencer Gulf town.

The Lincoln Gap Wind Farm Project is a 212MW initiative involving the construction

and operation of up to 59 wind turbines. The project will feed into the South Australia's electricity grid via the Electranet transmission network and produce enough electricity to power around 111,000 homes. It also includes allowances for battery storage of power.

Nexif Energy Australia's CEO Zeki Akbas said the deal was a significant milestone for the project and took it closer to financial closure. "These long-term agreements will see ERM Power buy LGCs generated by the Lincoln Gap Wind Farm in the coming years helping deliver renewable energy into the grid," Mr Akbas said.

"It is a vote of confidence in the project, the town of Port Augusta and South Australia at a time when the need for innovative and reliable energy solutions in the State has never been higher.

"The project will also create a substantial number of jobs and stimulate economic activity in the region."

ERM Power Managing Director & CEO Jon Stretch said it was gratifying to support a project which delivered new renewable sources of energy in Australia.

"ERM Power delivers 20 per cent of the energy fuelling business, government and industrials in Australia, enabling it to underpin the construction of new renewable infrastructure," Mr Stretch said.

The Lincoln Gap Wind Farm Project will be built by Senvion Wind Energy Solutions.

Construction is expected to start later this year with the project generating electricity by mid-2018.

Source: Nexif Energy

*Click on project to go to online datasheet:*  
[Lincoln Gap Wind Farm](#)

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## Clean Energy Council Awards nominations open to recognise industry's shining lights

12 April

Leaders and innovators from across the Australian clean energy industry are invited to nominate for this year's Clean Energy Council Awards, to be announced in Sydney on July 18 as part of the Australian Clean Energy Summit.

The awards celebrate innovation and excellence in the Australian clean energy sector, and nominations close on 31 May.

Clean Energy Council Chief Executive Kane Thornton said the Clean Energy Council Awards, held during the NAB Gala Dinner at the Australian Clean Energy Summit, recognise the industry's brightest innovators, best practice in community engagement, as well as leaders who have made an exceptional contribution to the sector.

"The awards are among many highlights in a packed two-day summit program," Mr Thornton said.

"This year is shaping up to be the biggest for Australia's large-scale renewable sector since the end of the Snowy Hydro Scheme more than 50 years ago.

"It's a very exciting time to be in this industry, and the Australian Clean Energy Summit is the premier gathering of leaders driving this energy transformation.

"Heads of industry, government and finance will explore trends, insights and the latest policy and project developments. And technology innovators will talk about the accelerating cycles of disruption and change across the sector," he said.

Speakers who have confirmed for the event include:

- Bill Shorten, Leader of the Opposition
- Richard Di Natale, Australian Greens Leader

- Audrey Zibelman, Chief Executive, Australian Energy Market Operator
- Lara Olsen, Regional Manager - Business Development, Tesla
- Andy Vesey, Managing Director and CEO, AGL
- Kirsten Rose, Principal, Low Emissions Technology, BHP Billiton
- Paul Italiano, Chief Executive, Transgrid
- Mark Collette, Executive – Energy, EnergyAustralia
- Clare Savage, Executive Director Policy, Energy and Climate Change, Business Council of Australia
- CEOs and Managing Directors of new innovative energy businesses including Greensync, and Reposit Power.

Nominations for the 2017 Clean Energy Council Awards are open until 31 May in the following categories:

- Innovation
- Community Engagement
- Outstanding Contribution to Industry

Victorian power utility United Energy received the 2016 Clean Energy Council Innovation Award for a project which used solar, storage and cloud technology to cut peaks in electricity usage and operate storage units remotely on demand. The Community Engagement Award was won by NT Power and Water Corporation for its work helping indigenous communities in the Northern Territory to reduce their power bills.

The inaugural Outstanding Contribution to Industry Award was last year awarded to Greenbank Environmental CEO Fiona O'Hehir, for her commitment to protecting the integrity of the solar industry.

More information on the Clean Energy Council Awards can be found at [cleanenergysummit.com.au/awards](http://cleanenergysummit.com.au/awards) or by emailing [awards@cleanenergycouncil.org.au](mailto:awards@cleanenergycouncil.org.au). Entries close on 31 May 2017.

The Australian Clean Energy Summit will run from 18-19 July at the Hilton Sydney. More

information and registration is available at [cleanenergysummit.com.au](http://cleanenergysummit.com.au). Early bird tickets to the summit are available until 31 May.

The Clean Energy Council would like to thank Goldwind Australia, the event's major sponsor.

Source: Clean Energy Council

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