

Broken Hill Solar Plant

Community Information
Session
1 July 2015

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Agenda

- 1 Welcome May CIS
- 2 Overview of project status – AGL / First Solar
- 3 Employment
- 4 Project planning
- 5 Construction community fund
- 6 Next meeting



ARENA



2. Review actions from previous meeting

	Action item	CIS meeting	Status	Who
1	Coordinate community group visit to the site when panels installation underway	February 2015	Closed	HO

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Overview of project status

- Adam Mackett (AGL)
- Samantha Coras (First Solar)

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2. AGL overview of project status

Solar Plant

- > The changing face of the Broken Hill Solar Plant
 - » Top: January 2015 (civil work)
 - » Middle: April 2015 (module install)
 - » Bottom: May 2015 (module install / termination)
- > Installation of First Solar PV modules commenced at the start of April
- > Half of the modules are now installed and terminated – 30 June 2015.
- > Generator registration has been submitted to the Australian Energy Market Operator (AEMO).
- > RET power station accreditation has been submitted to the Clean Energy Regulator.
- > Plant will be fully operational by December 2015.



2. AGL overview of project status

Connection Works (CPP)

- > 2 x 22kV transmission line was practically complete at the end of February 2015, including crossing of the ARTC rail.
- > Operating protocol with TransGrid (Network Services Provider) finalised and executed.
- > Feeder No.2 of the 2 x 22kV transmission line was energised this afternoon to progress commissioning of Section 2 (~26MW).



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2. AGL overview of project status

Recent stakeholder site visit

- > Broken Hill City Council Site Visit (6 May 2015)
 - » Site visit included local media → very positive feedback
- > AGL Chief Engineer Site Visit (6 May 2015)
- > Broken Hill Community Site Visit (28 May 2015) – Photo
 - » Feedback



2. AGL overview of project status

Nyngan Solar Plant

- > Full generation (102 MW) was achieved on Saturday, 6 June 2015.

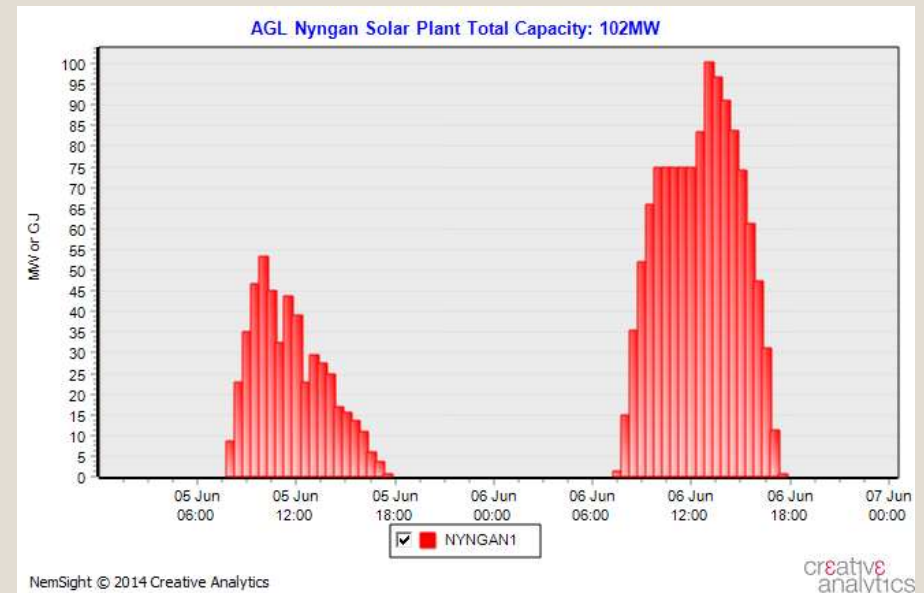


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2. AGL overview of project status

Nyngan Solar Plant

- > Low irradiance levels on Friday before full generation on Saturday

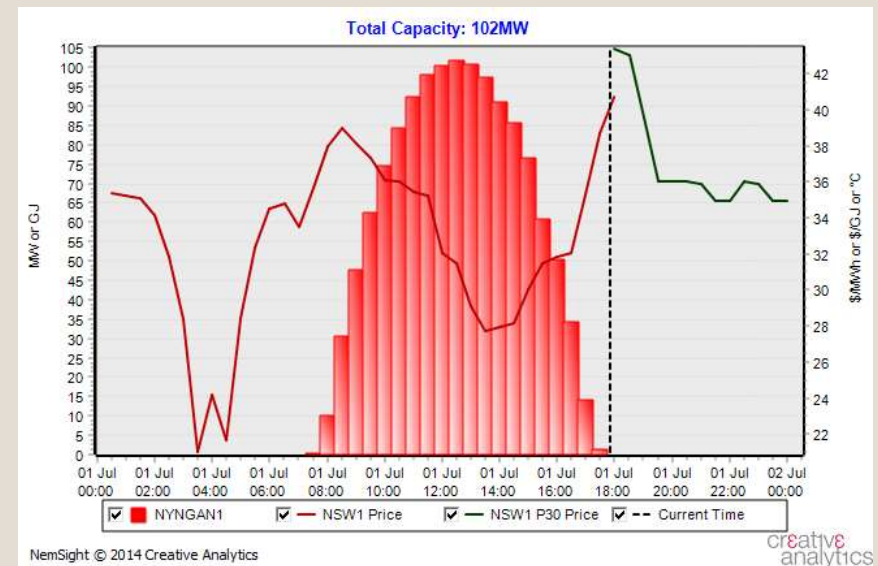
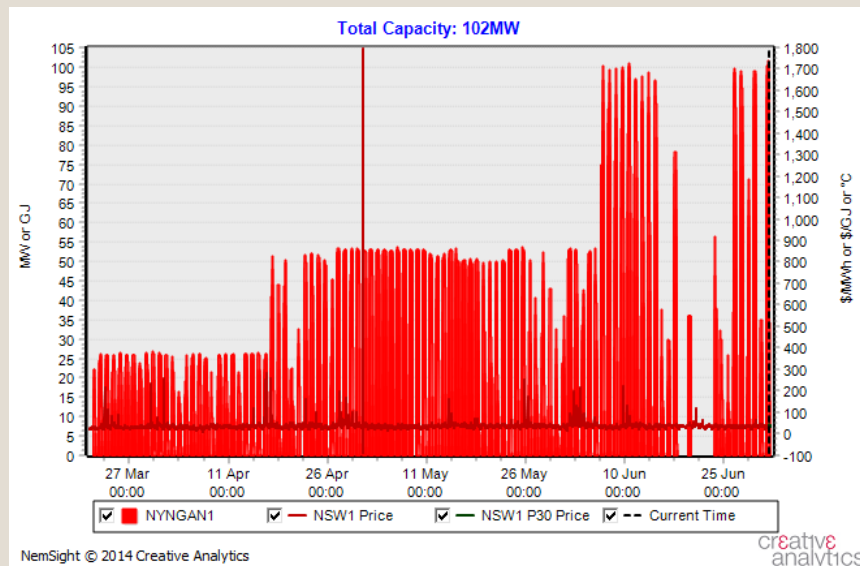


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2. AGL overview of project status

Nyngan Solar Plant

- > Generation at point of connection (commenced Saturday, 21 March 2015)
- > Cumulative generation at 23:30hrs on Friday, 26 June 2015 was 32,314.40** MWh
 - » ** Gaps in June due to AEMO/EE SCADA – Nyngan was generation factored in cumulative total above



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3. First Solar overview of project status



- > AGL Broken Hill Solar Plant
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3. First Solar overview of project status

Sub contracts:

Three packages of work – civil, structural and electrical

- > Structural work completed in May 2015 (CTE)
- > Electrical work in full progress (RCR | ODG)
- > Testing and commissioning activities commenced (STE, First Solar)



Procurement and deliveries:

Deliveries of most major components are complete

- > Switchgear delivered in May and June
- > Weekly deliveries of solar panels, inverters, transformers during May (30,000 solar panels/week)
- > Final delivery expected to be mid-July (solar panels)



3. First Solar overview of project status

Construction:

- › Structural work completed in May 2015
- › Electrical work in full progress
 - Trenching for underground cables
 - 350,000 solar PV modules installed
 - Installing above ground and underground cabling
 - Switchgear on site required for grid connection, testing in progress

Environmental management:

- › Environmental audits and inspections
- › Compacting solar packaging waste
- › Water saving initiatives on site
- › Re-vegetating and rehabilitating yards



3. First Solar overview of project status



Table structure installation



Above ground cable installation

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3. First Solar overview of project status



Lifting switchgear into position



Block 2 looking south

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Employment

- Samantha Coras (First Solar)

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4. Project employment

RCR Infrastructure electrical contractor – main subcontractor for First Solar

- > 130 people inducted
- > 150 working on site, approximately half are locals, the number fluctuates depending on the work stage

> **Note:**

Hays are no longer recruiting for First Solar and RCR Infrastructure are now the recruitment contact for the solar plant's construction.

RCR are recruiting through recruitment@rcrtom.com.au

Project Planning

- Helena Orel (AGL)
- Adam Mackett (AGL)

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5. Project planning

Recent stakeholder site visits

- > May 28 – Broken Hill community group
- > Feedback?

Construction Community Fund

• Helena Orel (AGL)

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6. Construction Community Fund

- > Next round of funding will be advertised in September 2015
- > Ads will run for four weeks
- > Expect to complete process (assessment / cheque handover) November

Next meeting

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7. Next meeting

- > Any questions?
- > Next meeting date (proposed for Wednesday 9 September 2015)
- > Agenda items