

neoen

renewing energy



PARKES
solar farm

Community Information Session

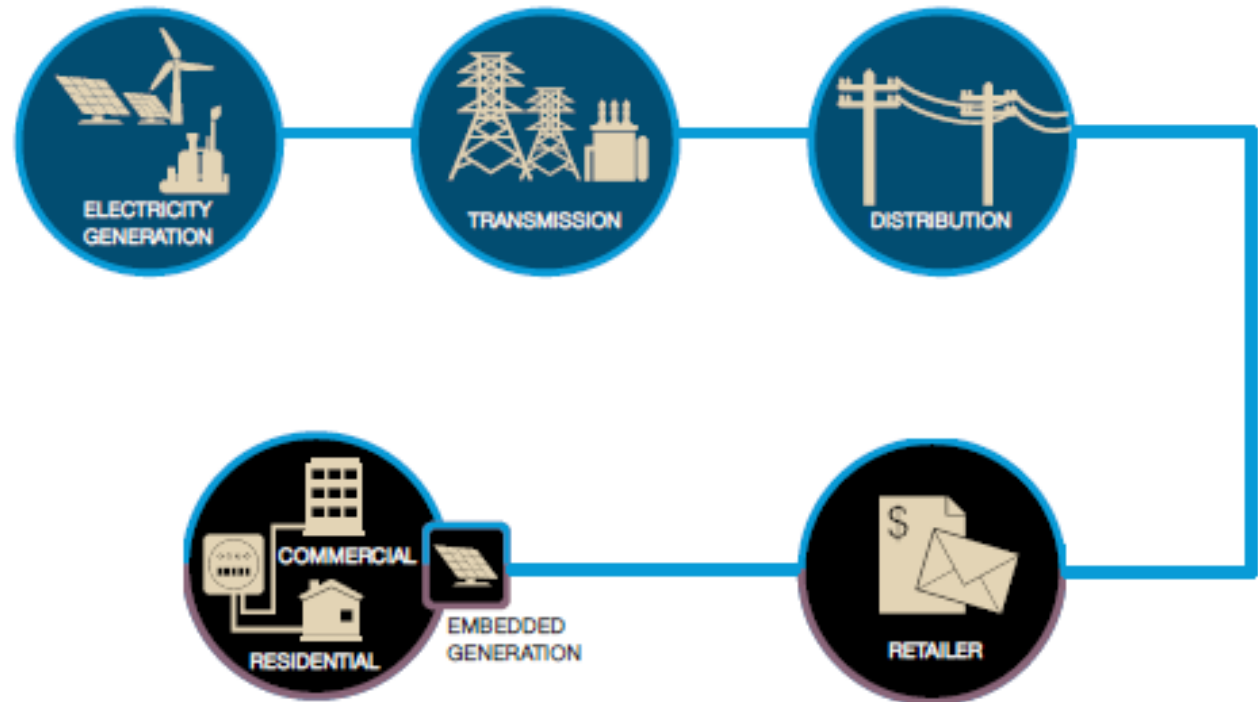
15 December 15

Neoen - presentation

Electricity supply chain



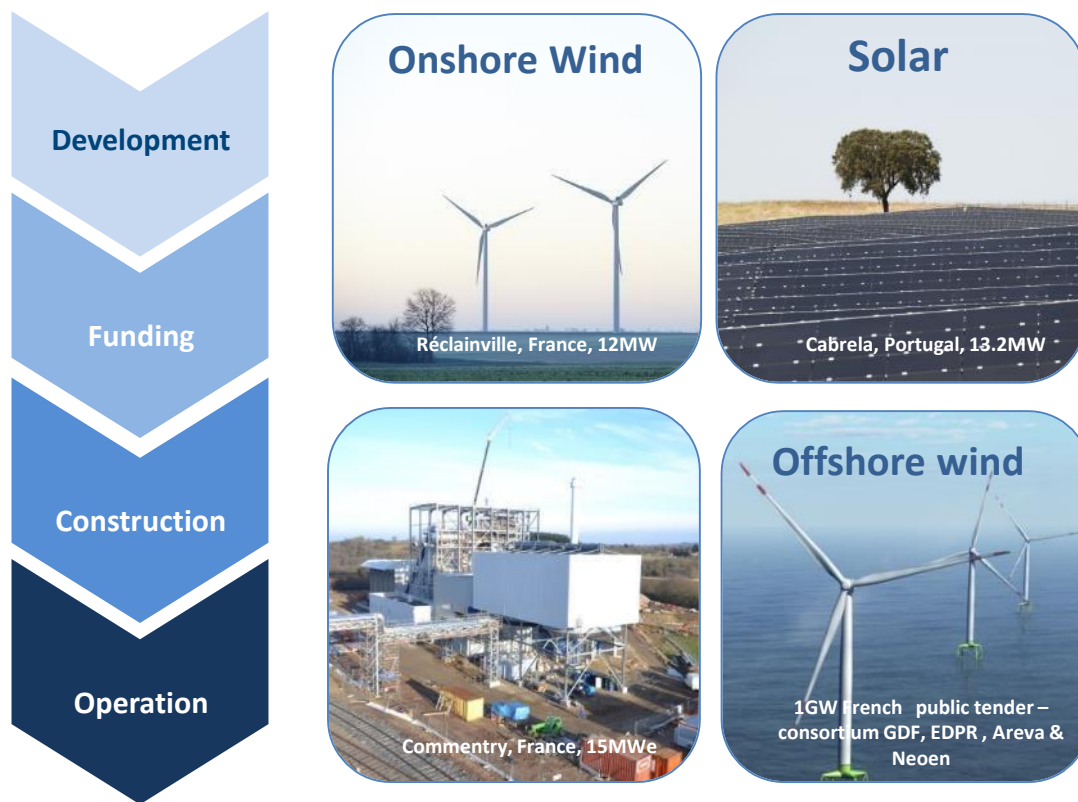
Wholesale & electricity
transport market



Retail market

Neoen: a long-term player in the generation value chain

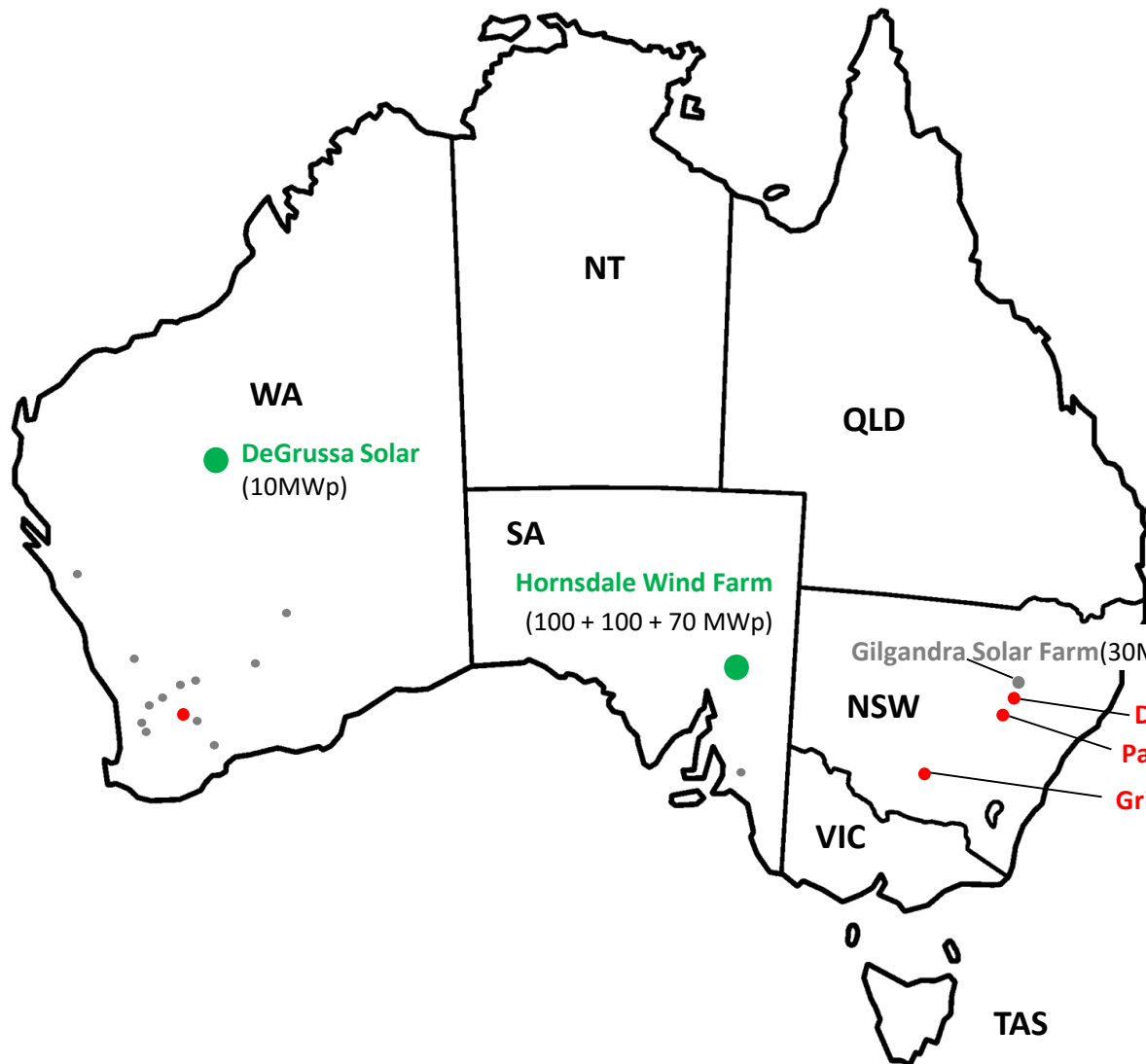
Founded in 2008, Neoen has a long-term approach oriented towards energy production with a develop-and-hold strategy, through 4 businesses and 4 energy sources



Presence in 6 countries backed by a solid hub in Paris



Australia: a potential to become Neoen's largest market



August 2012:

1 staff

December 2015:

9 staff

Main office in Sydney

Offices in Canberra & Perth

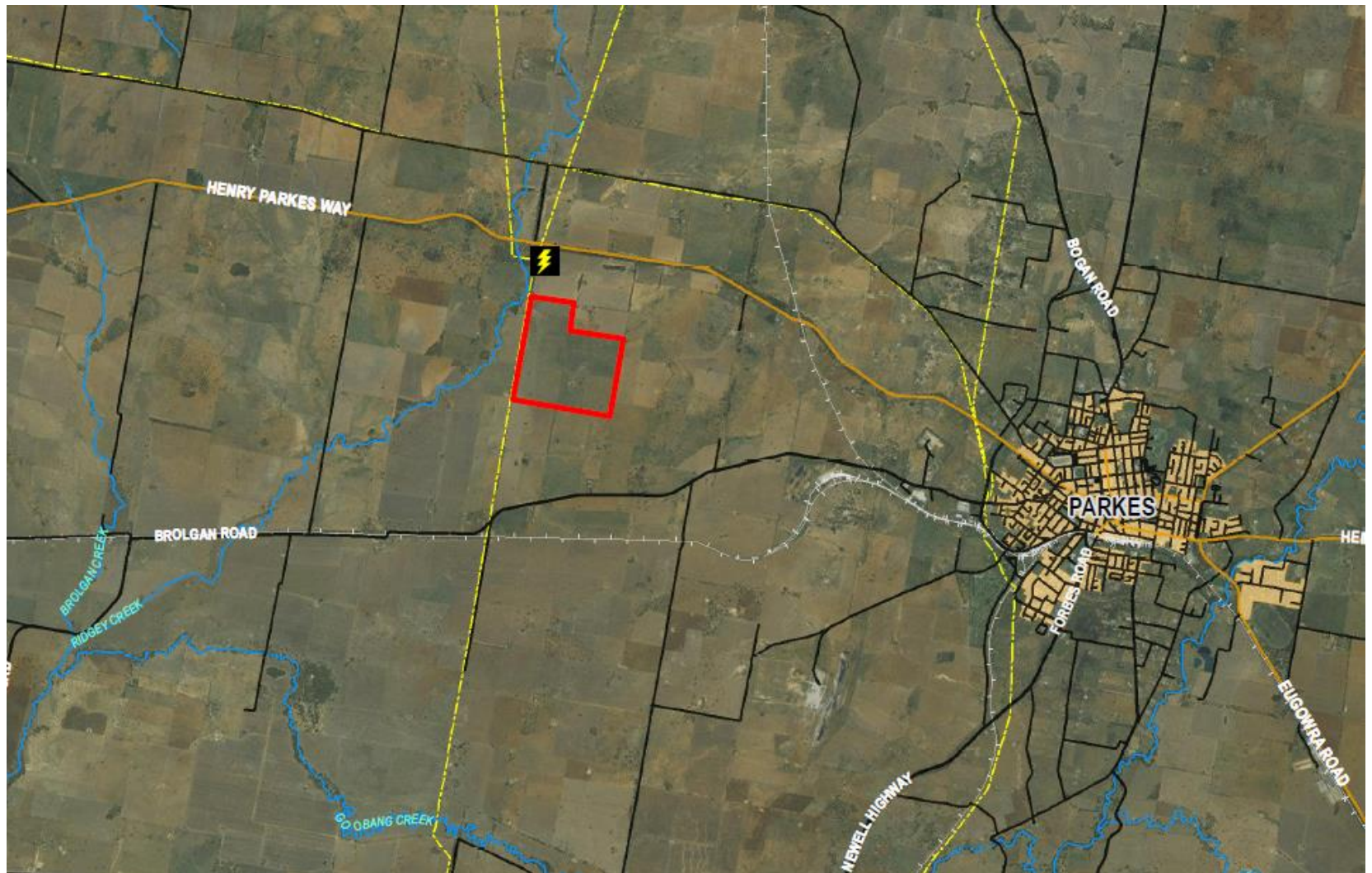
Parkes Solar Farm

Project location

Criteria in Neoen's mapping of NSW opportunities

-

Parkes Solar Farm: site location



Parkes Solar Farm: infrastructures location



Parkes Solar Farm

technology options

Multicrystalline fixed-tilt solar PV

Seixal, Portugal (8.8MW)



Multicrystalline fixed-tilt solar PV

Seixal, Portugal (8.8MW)



Multicrystalline fixed-tilt solar PV

Rochefort-du-Gard, France (13MW)



Thin-film fixed-tilt solar PV

Cabrela, Portugal (13MW)



Thin-film fixed-tilt solar PV

Coruche, Portugal (2MW)



Thin-film fixed-tilt solar PV

Toreilles, France (12MW)



East-west solar PV

Cestas, France (300MW)



East-west solar PV

Cestas, France (300MW)



Single-axis tracking solar PV

DeGrussa, Australia (10.6MW – under construction)



Single-axis tracking solar PV

Ygos, France (6.7MW)



Inverters & transformer stations

Up to 38 inverter and transformer stations will be installed on the Griffith Solar Farm.



Example of a containerised inverter/transformer installation



Example of an outdoor inverter installation (mounted on skid)

Inverters & transformer stations

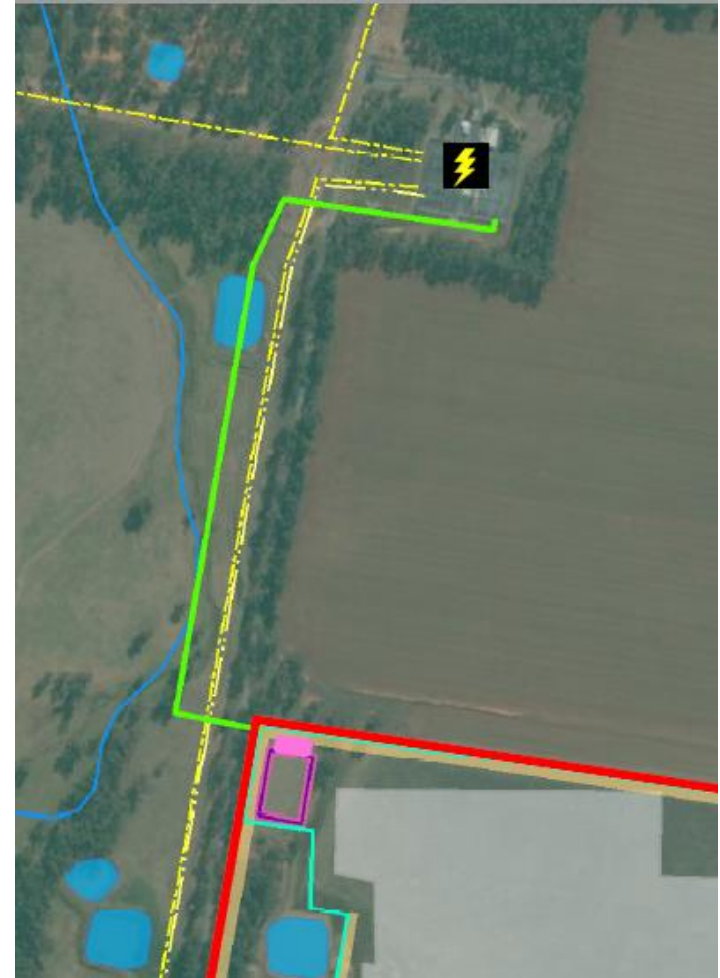


Parkes Solar Farm

project characteristics

Project main characteristics

- **Up to 240ha of infrastructure**
 - » Overall layout likely to be closer to 180ha
 - » 260,000 solar panels
 - » Up to 38 inverter & transformer stations
- **Capacity: up to 80MW (stage 1 60MW)**
 - » Enough to power 24,000 homes
 - » Enough to power 18,000 homes for stage 1
- **66kV connection**
 - » Green line as per following map (yellow lines are existing Transgrid infrastructures)
 - » Approximate distance between Solar Farm and Transgrid substation: 600m



Parkes Solar Farm

benefits to the community

Benefits to the community

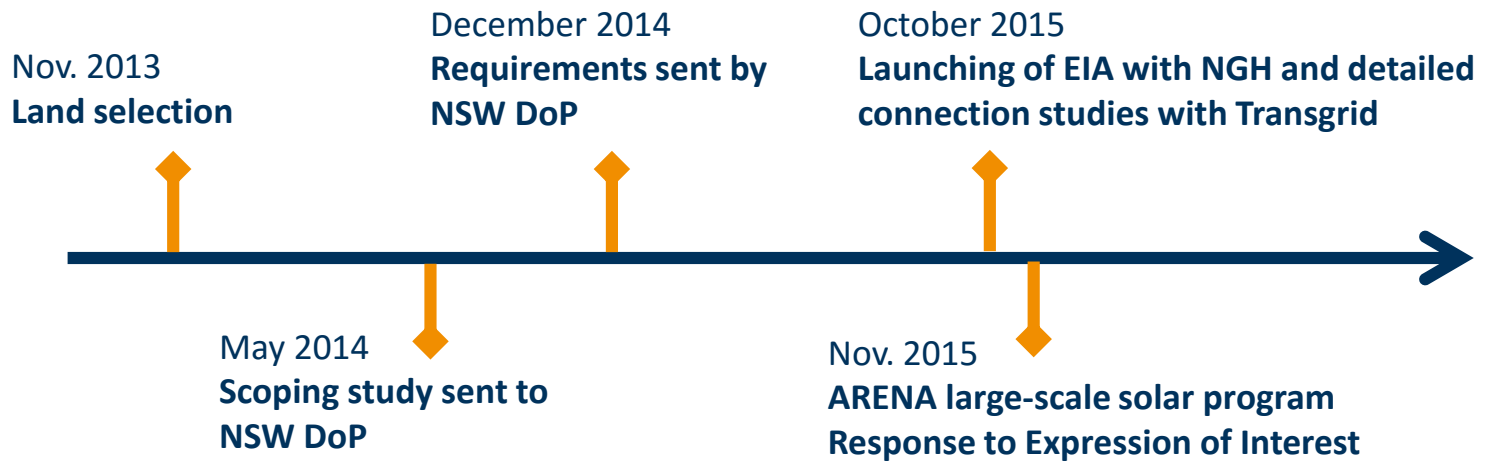
- **Up to 120 employees during construction**
 - » Neoen to seek local labour force
 - » 9-month expected construction timeframe
- **Approximately 4,000 man-hour of work per year during operations**
 - » Panels cleaning
 - » Vegetation management
 - » Electrical maintenance
- **Bringing more people to Parkes**
 - » Project managers, engineers, consultants, environmental experts
 - » More business for hotels, restaurants, cafes...
- **Strengthening the local grid**
 - » Lower the risk of future brownouts or blackouts with decentralised generation
- **Local participation in the decarbonisation of Australia's electricity**
 - » Up to 140,000 tonnes of CO₂ displaced annually

Parkes Solar Farm

Timeline

Project timeline

ACHIEVED



TO BE
ACHIEVED



Parkes Solar Farm

Community Engagement

Community Engagement Plan

Objective:

Encourage local people to raise issues or concerns or provide suggestions.

- Neighbours to the site were advised individually of the solar farm proposal
- Press release issued in early December to inform the general public and invite local people to participate to the information session
 - » Article in the Parkes Champion Post
 - » Parkes City Council website calendar
- Project website (www.parkessolarfarm.com.au)
 - » General information
 - » Project progress status
 - » Regular news
- Availability of all project documents
 - » All project document available on the NSW Department of Planning website (http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=6604)