

Burrendong Wind Farm

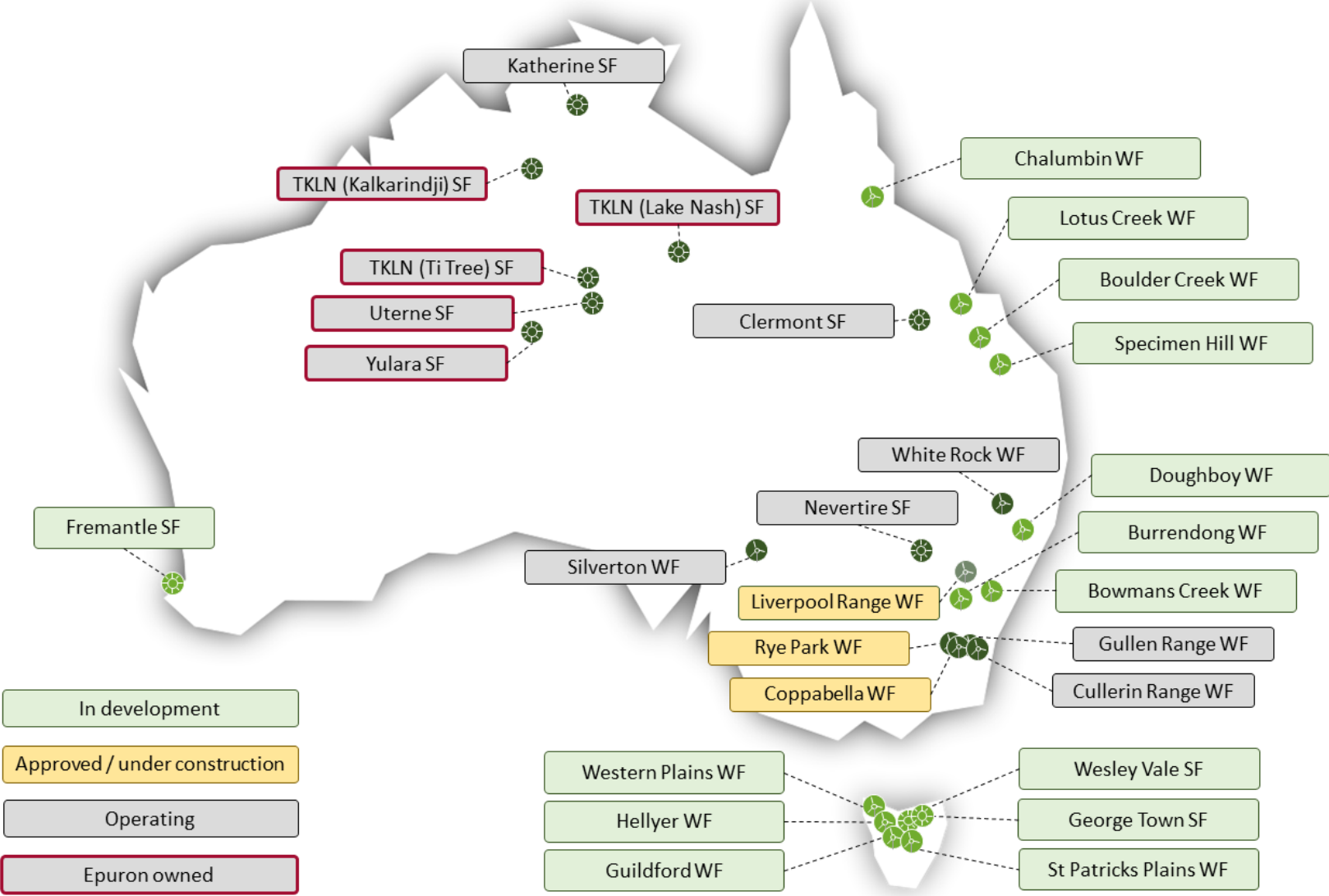
Project Overview

**Community Consultative Committee Meeting
28 May 2021**

Epuron - developing renewables since 2003

- ▶ Australian owned, independent
- ▶ 4000 megawatts of wind
- ▶ 400 megawatts of solar
- ▶ 15 approved projects
- ▶ 14 in project development





Expertise in large scale wind development

- ▶ 16 years experience
- ▶ Seven projects approved - four now operating in NSW
11 in project development - three in NSW
- ▶ Broad experience across NSW, Tasmania and Qld.
- ▶ Projects have been acquired by AGL, Goldwind, Origin, Tilt Renewables.

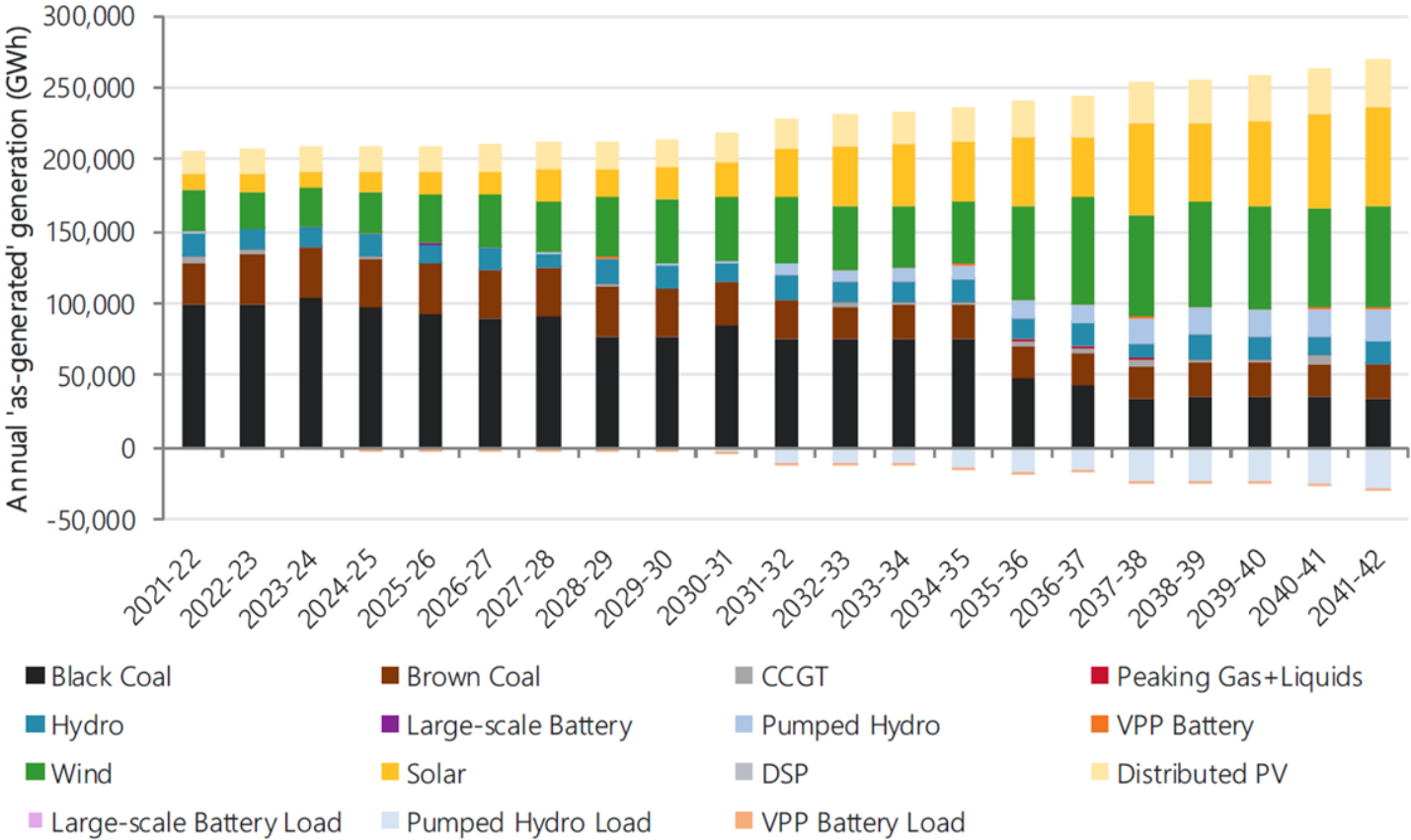


The Big Picture

- ▶ Australia needs new power sources
- ▶ All operating coal power stations in NSW planned to retire by 2043
- ▶ In NSW that represents 7-8000MW of power generation
- ▶ NSW currently a net importer of electricity
- ▶ More generation is required in the system

AEMO expectation is that most new capacity will be solar and wind (optimal balance is about 55/45), supported by storage

Figure 6 Forecast annual generation to 2041-42, Central Scenario



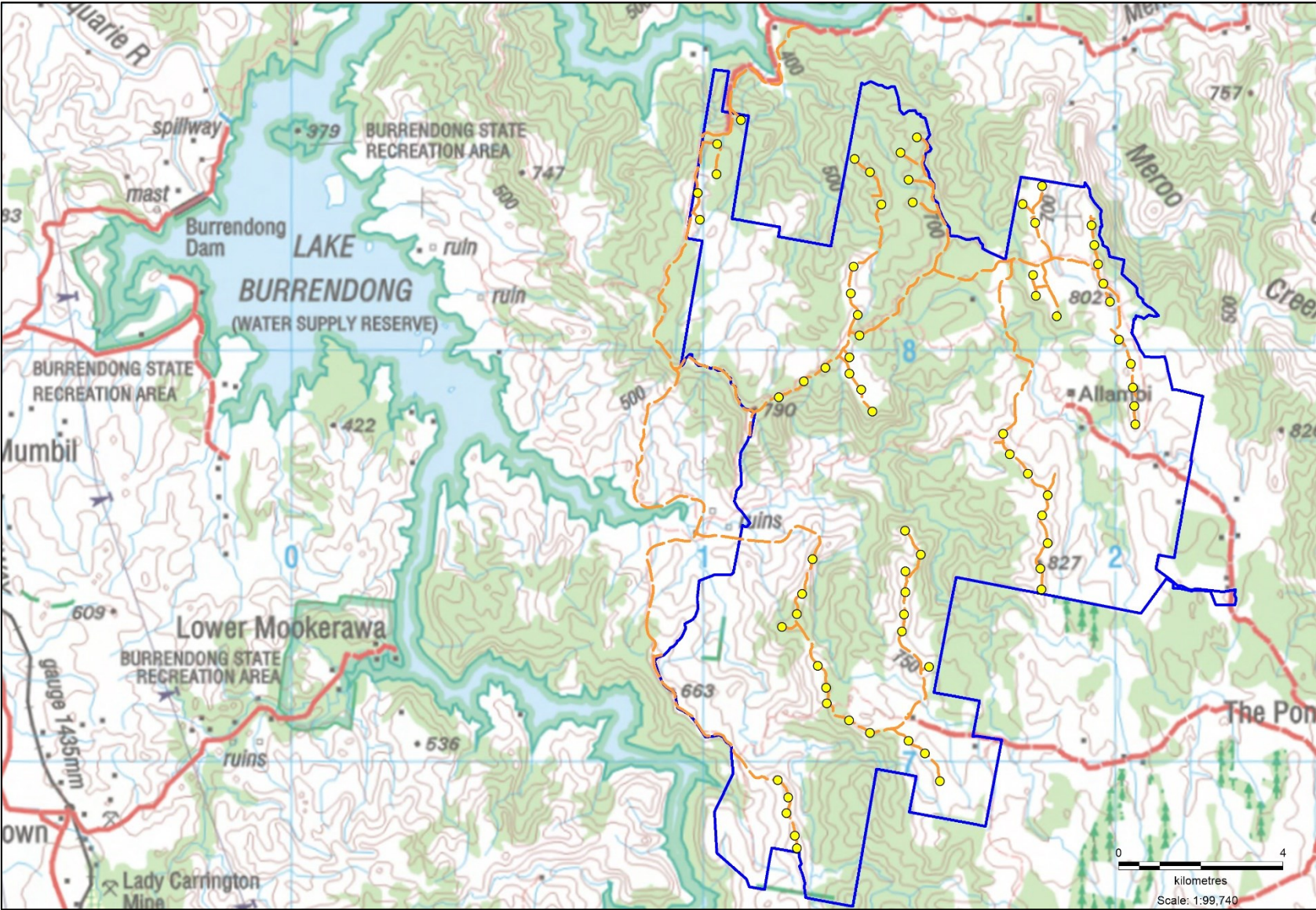
Renewable energy developments in the region

- Bodangora Wind Farm (33 turbines) – operating
- Crudine Ridge Wind Farm (37 turbines) - operating
- Wellington Solar Farm – operating
- Ungula Wind Farm (97 turbines) – planning approval granted
- Mumbil Solar Farm – planning underway
- Central West Orana Renewable Energy Zone (REZ) - planning



Burrendong Wind Farm

- ▶ Located on freehold rural land east of Lake Burrendong
- ▶ Monitoring wind across the site since 2018
- ▶ Approximately 50 – 90 wind turbines
- ▶ Proposed turbine tip height up to 250m (~160m hub height and ~90m blade)
- ▶ Assessed as a Major Project under Part 4 of the *Environmental Planning and Assessment Act 1979* (EP&A Act)
- ▶ Environmental Impact Statement (EIS) studies for the development application underway in accordance with the Secretary's Environmental Assessment Requirements (SEARs)



Existing site access track



Trig Station



Typical ridge and vegetation



Existing TransGrid 330kV transmission line



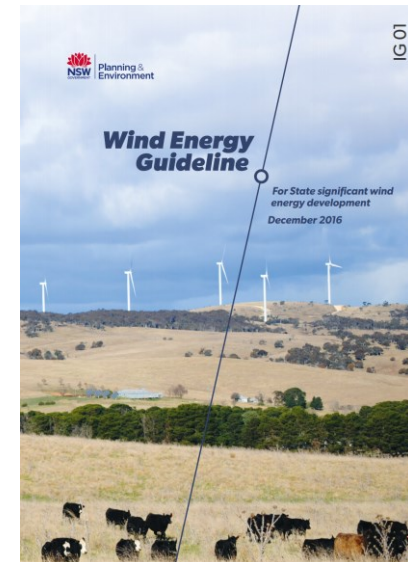
Planning and Assessment Process – NSW

- ▶ Scoping Document and request for SEARs
- ▶ SEARS issued by Department of Planning (DPIE)
- ▶ Preparation of EIS by proponent
- ▶ EIS reviewed by DPIE
- ▶ EIS on exhibition and public submissions accepted
- ▶ Responses to public submissions provided by proponent
- ▶ Regulatory assessment and determination (DPIE & IPC)

Planning and Assessment

▶ Environmental Impact Statement (EIS)

- Wind Energy Framework and SEARs:
 - Wind Energy Guideline
 - Noise Assessment Bulletin
 - Visual Assessment Bulletin
- Key assessment areas : visual, noise, biodiversity, heritage, transport
- Other assessment areas: aviation, bushfire, telecommunications, shadow flicker, social and economic
- Report writing and coordination by local consultant Eco Logical Australia



Consultation – feasibility & assessment phase

- ▶ Project updates via mail and email
- ▶ Project website: burrendongwindfarm.com.au
- ▶ Phone calls and face-to-face meetings with non-involved residents ~3 km
- ▶ Meetings with Mid Western Regional Council and Dubbo Regional Council
- ▶ Consultation with NSW government departments and agencies
- ▶ Community information sessions

Community benefits

- ▶ Community Enhancement Fund
 - Typically around \$2,500 - \$3,000 per turbine
 - Benefits to be realised in the local area eg road upgrades, mobile phone coverage
 - Structure and specifics to be outlined in Planning Agreement
- ▶ Significant job creation during construction followed by a small operations and maintenance team based locally
- ▶ Open to ideas on how to maximise the benefit of available community funding

Timeline

- ▶ SEARs issued – 13 October 2020
- ▶ EPBC referral lodged – 25 March 2021
- ▶ EIS lodged & public exhibition – Q3 2021
- ▶ Project approvals – Q3 2022
- ▶ Construction commencement – 2023/24

Thank you

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