



EPURON

Burrendong Wind Farm

Community Information Session

Mudgee, Thursday 25 November 2021

Andrew Wilson, General Manager Development - NSW

EPURON

Acknowledgement of Country

We acknowledge the Wiradjuri people as the Traditional Custodians of the land upon which we meet and their continuing connection to lands, waters and communities.

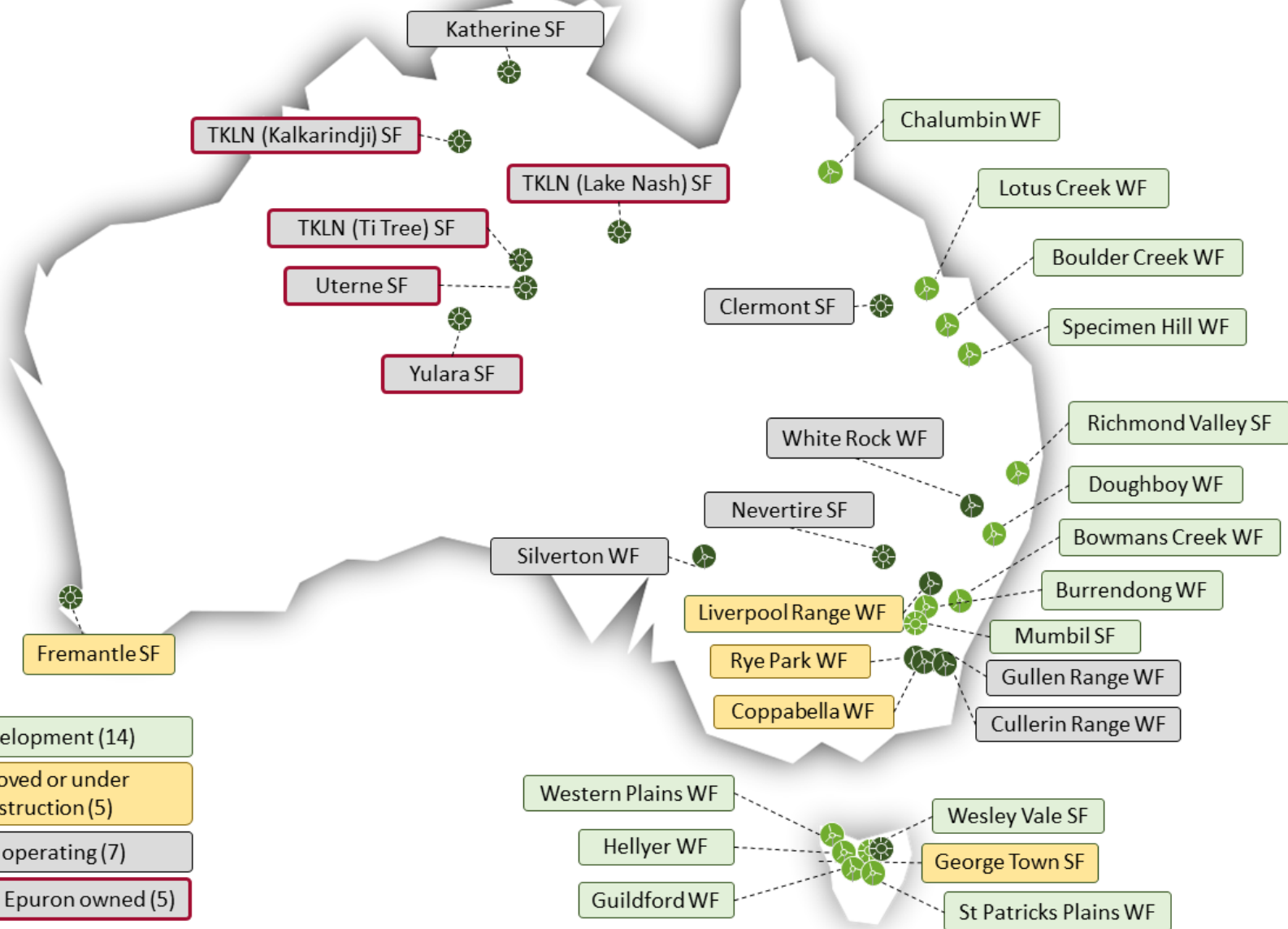
We pay our respects to Elders past, present and emerging.

Epuron - Developing renewables since 2003



- Australian-owned, based in Sydney
- **4000 MW** of utility-scale wind energy development experience including **8** approved wind farms
- **11** wind farm projects under development in three states (NSW, Qld. and Tas.)
- **400 MW** of utility-scale solar energy development including **5** operating solar farms
- **6** solar farm projects under development in four states (WA, NSW, Tas. And NT)

- In development (14)
- Approved or under construction (5)
- Sold, operating (7)
- Operating, Epuron owned (5)

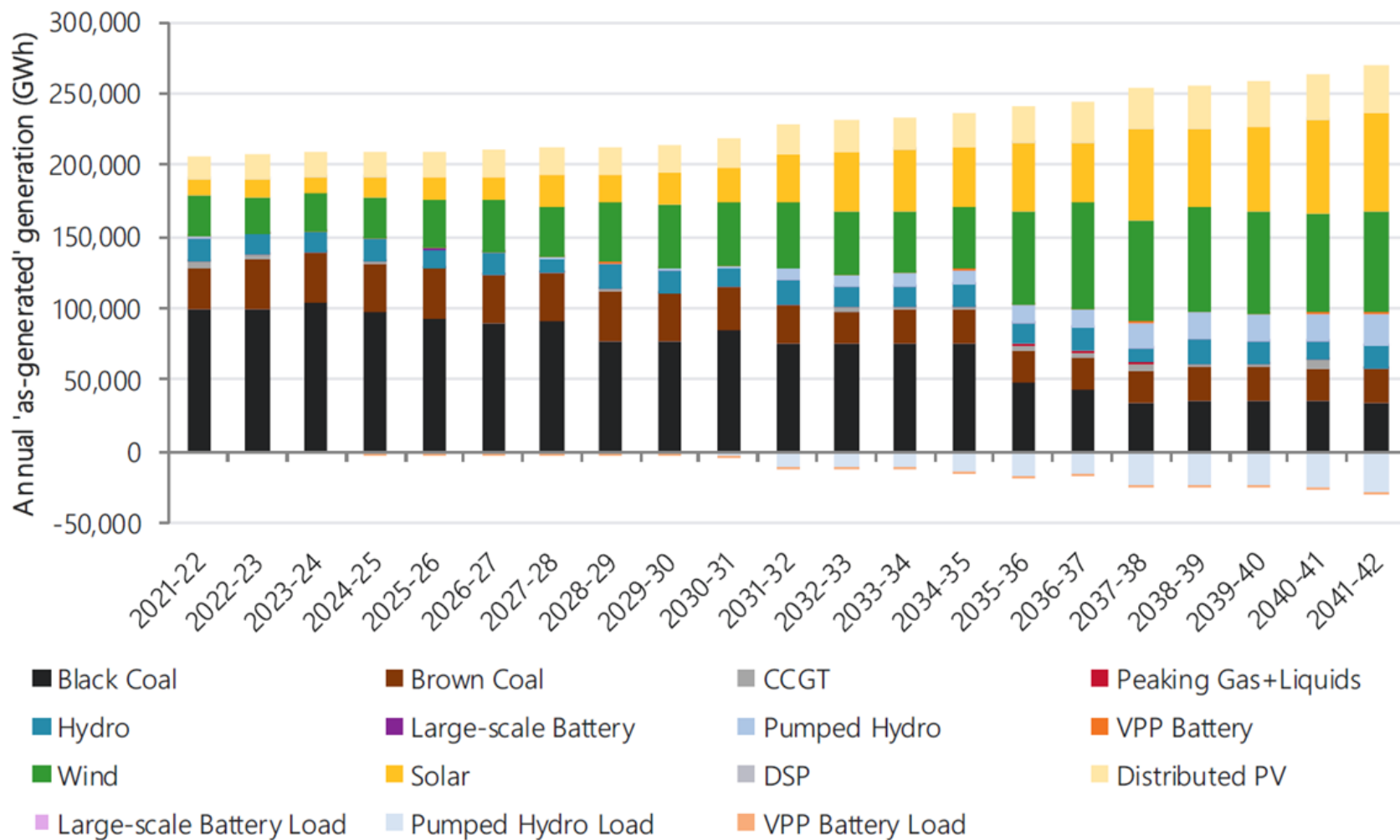


Big picture

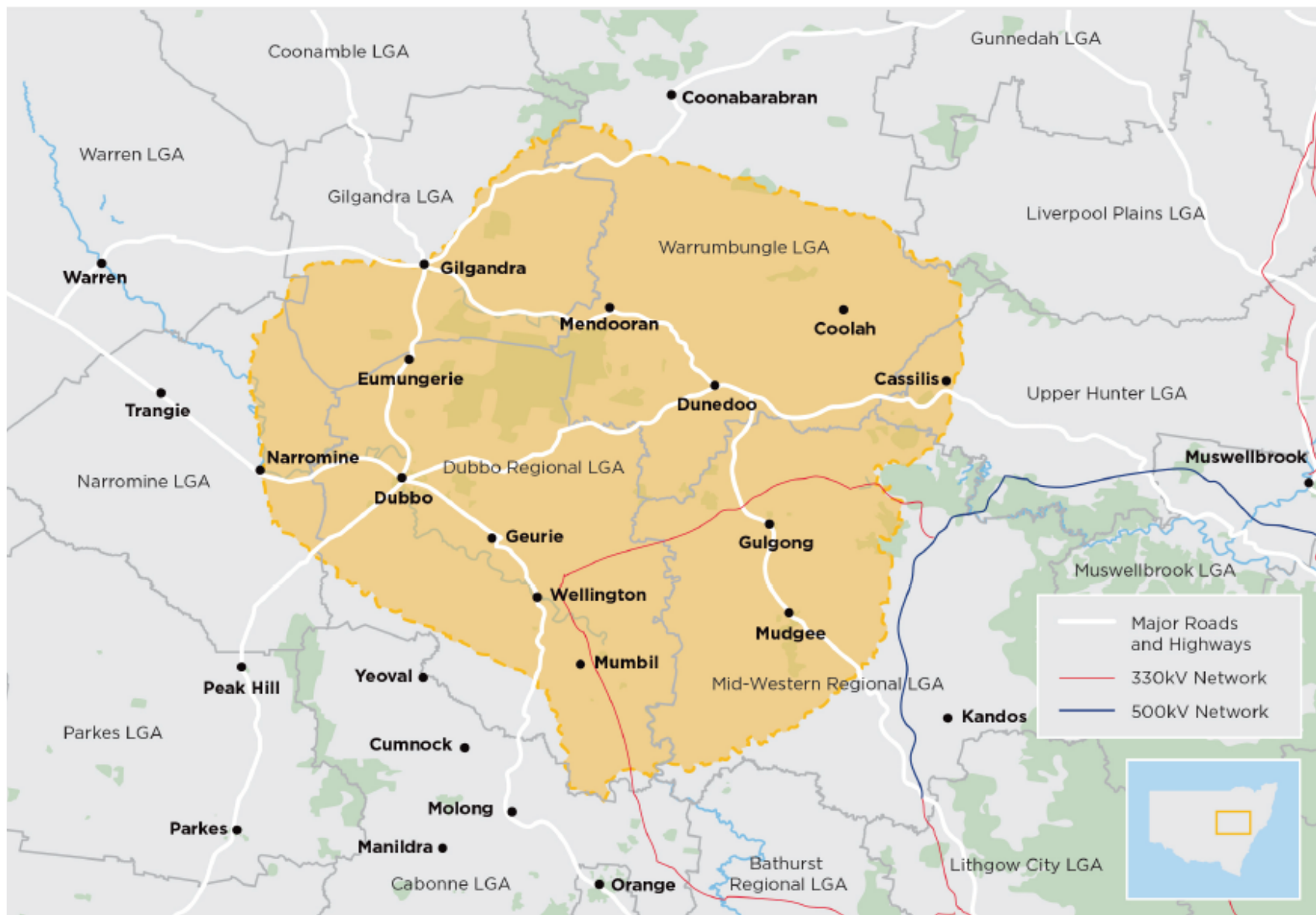
- Australia needs new power sources
- All operating coal power stations in NSW planned to retire by 2043
- In NSW that represents 7-8000 megawatts of power generation
- NSW currently a net importer of electricity
- More generation is required in the system

Australian Energy Market Operator expects most new capacity will come from solar and wind (optimal balance is about 55/45), supported by storage

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



NSW Central-West Orana Renewable Energy Zone



Preliminary design

The map shows a landscape with a blue dashed boundary enclosing a central area. A green line with yellow dots runs through the center, possibly representing a watercourse or a path. Key geographical features include Lake Burrendong on the left, Macquarie River at the bottom left, and several creeks like Oakley Creek, Black Willow Creek, and Shear Creek. The map is overlaid with a grid and various labels such as 'DP 756887', '27', '28', '29', '30', '31', '32', '33', '34', '35', '36', '37', '38', '39', '40', '41', '42', '43', '44', '45', '46', '47', '48', '49', '50', '51', '52', '53', '54', '55', '56', '57', '58', '59', '60', '61', '62', '63', '64', '65', '66', '67', '68', '69', '70', '71', '72', '73', '74', '75', '76', '77', '78', '79', '80', '81', '82', '83', '84', '85', '86', '87', '88', '89', '90', '91', '92', '93', '94', '95', '96', '97', '98', '99', '100'. Two grey arrows point to specific locations: one to a pink dot near the top left and another to a pink dot near the center. A blue line with a cross symbol is also visible in the upper right quadrant.

Burrendong Wind Farm

- Located on freehold rural land east of Lake Burrendong
- Monitoring wind across the site since 2018
- Proposed 72 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)

Current project development work

- Wind resource monitoring
- Field surveys:
 - Vegetation mapping
 - Fauna habitat
 - Aboriginal heritage
 - Landscape and visual impact
- Background noise logging
- Consultation with landowners and neighbours

Other impact assessment work

- Operational noise modelling
- Traffic and transport
- Surface water and ground water
- Social and economic
- Aviation
- Bushfire

Wind monitoring mast



Sodar (Sonic detection and ranging) wind monitoring system



Site vegetation mapping



Planning and assessment process

- Scoping Report 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)

Engagement and consultation – feasibility and 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

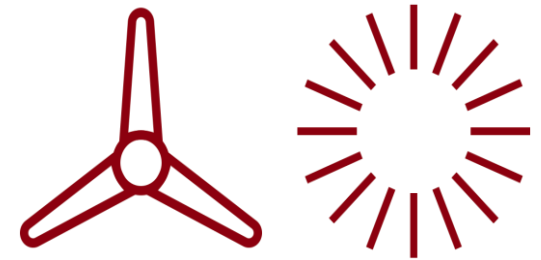
Community benefits

- 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 locally based operations and maintenance team
- Open to ideas to maximise the benefits of available community funding

Timeline

- SEARs issued – 13 October 2020
- EPBC referral lodged – 25 March 2021
- EIS lodged & public exhibition – Q1/Q2 2022
- Project approvals – Q2 2023
- Construction commencement – 2024

Questions



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Thank you

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