

Further electricity generation projects supported in NSW

Friday 28 June 2024

Two new Long-Term Energy Service Agreements (LTESAs), with a combined maximum capacity of 312 MW, have been awarded to projects in the NSW Central-West region through the fourth tender of the NSW Electricity Infrastructure Roadmap (Roadmap).

AEMO Services' Executive General Manager Nevenka Codevelle said the regular and competitive Roadmap tenders had proved successful in helping support investment in NSW.

"This tender brings the total number of wind and solar projects supported with Long-Term Energy Service Agreements to seven in less than two years.

"Together with the four long-duration storage infrastructure projects also supported so far, substantial progress is being made in delivering NSW's future energy system."

The successful projects – a wind farm and a hybrid solar farm with a battery energy storage system – were selected by AEMO Services following a comprehensive process to evaluate their financial benefit to energy consumers and host communities.

Maryvale Solar and Energy Storage Project is an innovative hybrid solar and energy storage plant, based near Dubbo, that will generate renewable energy during the day and can supply essential power to the grid during times of peak demand.

The 38 turbine Flyers Creek wind farm is located between Orange and Blayney and is on track to be operational this year, supplying energy to the grid powered by turbines with a rotor diameter of 137 metres.

Ms Codevelle said that AEMO Services was conscious of the work ahead in the State's energy transition but identified a strong sense of momentum within the market.

"These two projects are worthy additions to a healthy pipeline of projects already supported across NSW, but it is clear that we'll need to secure further investment at or near record levels to 2030 and beyond if we are to meet our targets and deliver a reliable supply of cleaner, more affordable electricity for NSW consumers."

"We've recently commenced our first tender for access rights in the South West REZ, and an EnergyCo led application process for access rights in the Central West-Orana REZ is also underway.

Ms Codevelle said that new opportunities and certainty from these tenders, along with additional support from the Commonwealth’s Capacity Investment Scheme, would build further interest amongst investors and proponents.

“The appetite from the private sector is there, and these tenders will help us align that ambition with the needs of the energy system.”

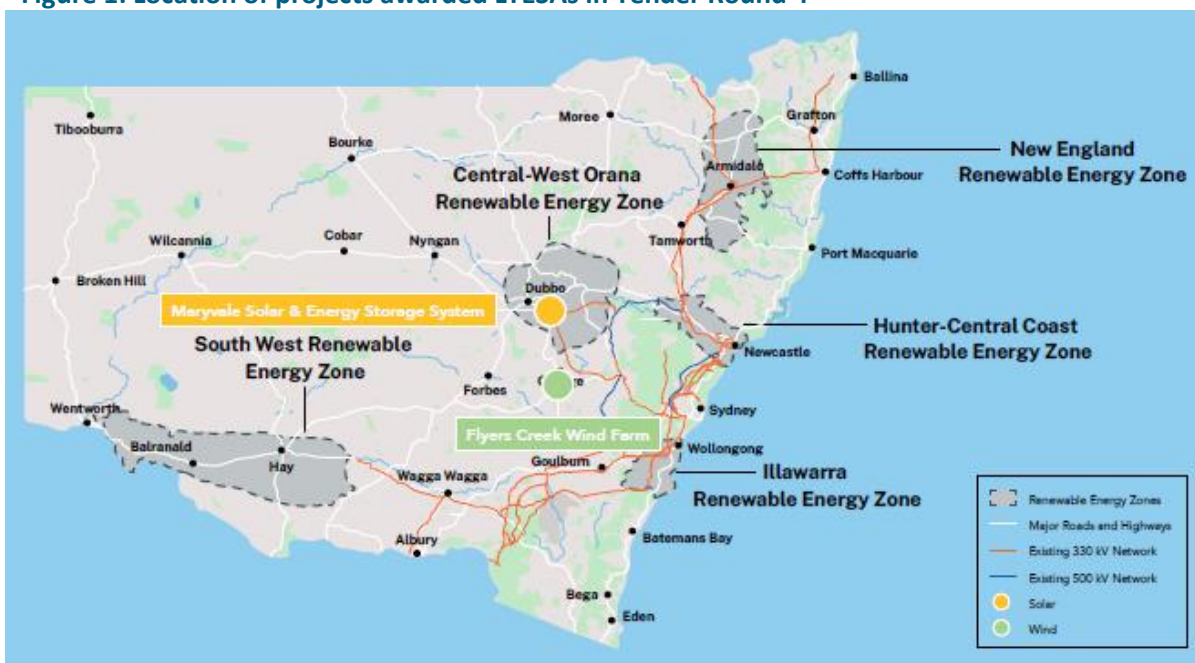
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Tender Round 4 successful projects

Project name	Proponent	Technology	Maximum Capacity	REZ / Location
Flyers Creek Wind Farm	Iberdrola	Wind	140 MW*	Orange
Maryvale Solar and Energy Storage System	Gentari Solar Australia	Hybrid Solar BESS	172 MW* 372 MWh	Dubbo / within CWO REZ area
Total			312 MW	

The nameplate capacity for Maryvale Solar and Energy Storage System is 243 MWp and Flyers Creek Wind Farm is 145 MW.

Figure 1: Location of projects awarded LETSAs in Tender Round 4



Summary of outcomes from Tender Rounds 1, 2, 3 and 4

Tender round	Number of LTESAs awarded	Generation capacity	Long-Duration Storage ¹ capacity	Firming capacity
4	2	312 MW	N/A	N/A
3	5 ²	750 MW	524 MW / 4,192 MWh	N/A
2	6 ³	N/A	N/A	1,075 MW / 2,980 MWh
1	4 ⁴	1,390 MW	50 MW / 400 MWh	N/A
Total	17	2,452 MW	574 MW / 4,592 MWh	1,075 MW / 2,980 MWh

Project Name	Company	Maximum Capacity MW	Storage Capacity (MWh)	Location	Technology	LTESA Type
Stubbo Solar Farm	ACEN Australia	400		Gulgong	Solar	Generation
Coppabella Wind Farm	Goldwind Australia	275		Yass	Wind	Generation
New England Solar Farm	ACEN Australia	720		Uralla	Solar	Generation
Limondale BESS	RWE Renewables Australia	50	400	Balranald	Lithium-ion battery	LDS
Liddell BESS	AGL Energy	500	1,000	Muswellbrook	Lithium-ion battery	Firming
Orana BESS	Akaysha Energy	415	1,660	Wellington	Lithium-ion battery	Firming
Smithfield BESS	Iberdrola Energy	65	130	Western Sydney	Lithium-ion battery	Firming
Virtual Power Plant	Enel X Australia	95			Demand Response	Firming
Uungula Wind Farm	Squadron Energy	400		Wellington	Wind	Generation
Culcairn Solar Farm	Neoen Australia	350		Culcairn	Solar	Generation
Silver City Energy Storage	A-CAES NSW	200	1,600	Broken Hill	Advanced-compressed air energy storage system (A-CAES)	LDS
Goulburn River BESS	Lightsource Development Services Australia	49	392	Merriwa	Lithium-ion battery (hybrid project)	LDS
Richmond Valley BESS	Ark Energy Projects	275	2,200	Myrtle Creek	Lithium-ion battery	LDS
Flyers Creek Wind Farm	Iberdrola	140		Orange	Wind	Generation
Maryvale Solar and Energy Storage System (hybrid)	Gentari Solar Australia	172	372	Dubbo	Solar + Lithium-ion battery (hybrid project)	Generation

For more information

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