Tathra Wind Farm

Proposal Content Document

Table 1: General proposal content description

Proposal title	Tathra Wind Farm
Proponent name	Synergy Renewable Energy Developments Pty Ltd (SynergyRED)
Short description	Development and operation of a renewable energy facility located approximately 15 km east of the town of Eneabba, Western Australia. The Proposal includes construction and operation of up to 140 wind turbine generators (total wind capacity of up to 1,000 MW), solar (up to 500 MW), battery energy storage system (up to 500 MW), and associated supporting infrastructure. The Proposal will connect into the South-West Interconnected System via the existing 330 kV transmission line that intersects the Development Envelope.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Renewable energy infrastructure including • Wind Turbine Generators (WTG) including associated hardstands • Solar arrays • Battery Energy Storage System (BESS) • Electrical and grid connections • Substation and transmission infrastructure • Transport and site access and internal access roads • Operational and maintenance facilities • Monitoring and communication towers • Fencing and gates • Water tanks	Figure 1	1,595 ha Indicative Disturbance Footprint including up to 3.44 ha of remnant native vegetation within a 15,847 ha Development Envelope.

Temporary infrastructure for construction will also be required and will include, laydown and stockpile areas, construction compounds, gravel borrow pits, water abstraction bores, dams/turkey's nests, concrete batching plant and storage facilities.		
Construction elements		
Construction water supply	Within the Development Envelope	Groundwater abstraction of approximately 500,000 kL/annum.
Operational elements		
Wind energy generation	Within the Development Envelope	Up to 140 WTGs with a total wind capacity of up to 1,000 MW
Solar energy generation	Within the Development Envelope	Up to 500 MW
Battery energy storage system	Within the Development Envelope	Up to 500 MW
Proposal elements with greenhouse gas emissions		
Construction elements:		
Scope 1	1,741 t CO2-e/annum	
Scope 2	Not applicable	
Scope 3	Scope 3 greenhouse gas emissions during construction are combined with operations emissions below.	
Operation elements:		
Scope 1	1,514 t CO2-e/annum	
Scope 2	1,612 t CO2-e/annum	
Scope 3	29,600 t CO2-e/annum	
Rehabilitation		
Disturbed land will be rehabilitated to a post closure land use agreed with the landowners during the decommissioning phase. The rehabilitation will align with a proposed post closure land use of broad-acre agriculture, unless agreed otherwise with key stakeholders.		

Progressive rehabilitation may occur prior to closure of the renewable energy facility and will be generally undertaken on areas no longer required during operation or identified as requiring rehabilitation ahead of broader site rehabilitation.

Commissioning

The Proposal has no environmental impacts specific to commissioning.

Decommissioning

Once the operational life of the Proposal comes to an end, it will either be repowered or decommissioned. Decommissioning will be completed within 24-months of operations ceasing and will include:

- Dismantling and removal of all above-ground infrastructure.
- Removal of concrete footing and buried services to a minimum depth of 500 mm below surface (i.e. to deep ripping depth), or as otherwise agreed with landowners.
- Backfilling voids with appropriate fill.
- Rehabilitation of disturbed land, which may include regrading, gravel removal, topsoil replacement, establishment of appropriate vegetation and ripping.
- It is likely that the landowner(s) may wish to retain some infrastructure (access roads, offices) and this will be agreed at the time of decommissioning, as appropriate.

Other elements which affect extent of effects on the environment

Proposal time*	Maximum project life	Approximately 40 years At the end of life, the project will be repowered or decommissioned.
	Construction phase	Approximately 18 to 24 months
	Operations phase	Approximately 35 years
	Decommissioning phase	Approximately 24 months

** Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).*

Second North Rd

First North Rd

Brimson Rd

Reserve Rd

Garibaldi Wills Rd

Carnamah - Eneabba Rd

Three Springs - Eneabba Rd

Brand Hwy

ENEABBA

Mineral Sands Rd

Rose Thomson Rd

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TATHRA WINDFARM EP ACT REFERRAL

SITE LOCATION, DEVELOPMENT ENVELOPE AND DISTURBANCE FOOTPRINT

FIGURE 1

LEGEND

- Development Envelope
- Indicative Disturbance Footprint (IDF)
- Townsite
- Existing Western Power Transmission Line
- IDF - Overhead Transmission Line
- Major Roads

0 1 2 km

Coordinate System:	GDA2020 MGA Zone 50
Scale:	1:75,000 at A3
Project Number:	675.072927.00002
Date Drawn:	24/11/2025
Drawn by:	JH

SLR

Path: H:\Projects-SLR\675-PER\675-PER\675.072927.00001 Tathra Wind Farm EIA\06 SLR Data\01 GIS\GIS\675072927 Tathra WF s38 EP act IV referral mapping\675072927 Tathra WF s38 EP act IV referral mapping.aprx\675.072927_A3_L_Tathra s38_F01_Site Location