

Bonney Downs Wind Farm

Proposal Content Document

Table 1: General proposal content description

Proposal title	Bonney Downs Wind Farm
Proponent name	Pilbara Energy Generation Pty Ltd
Short description	<p>The Proposal is for the construction and operation of the Bonney Downs Wind Farm to connect with the Fortescue Integrated Power Network.</p> <p>The Proposal comprises the installation of wind turbines, substations, 33 kV reticulation to collect power from wind turbines, associated supporting infrastructure, and linear supporting infrastructure such as roads, pipelines and corridors for overhead electrical reticulation.</p> <p>The Proposal is located approximately 9 km southwest of Nullagine (at the northern extent of the Proposal) in the Shire of East Pilbara and Palyku and Nyiyaparli Native Title Determination Areas (Figure 1).</p> <p>The Proposal has an Indicative Disturbance Footprint (IDF) of 944.07 hectare (ha) and is located within an 89, 973.86 ha Development Envelope (DE) (Figure 2).</p> <p>The Proposal will include clearing of native vegetation up to 910.26 ha, including:</p> <ul style="list-style-type: none"> • 443.39 ha of permanent clearing, and • 466.86 ha of temporary clearing.

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Wind Farm elements: <ul style="list-style-type: none"> • Wind turbines and hardstands • Overhead electrical reticulation (33 kV) • Substations and switchyards 	Figure 3 Figure 3	Development Envelope of 89,973.86 ha, including: Clearing of native vegetation up to 1,911.97 ha, including: <ul style="list-style-type: none"> • 980.69 ha of permanent clearing, and • 931.27 ha of temporary clearing.
Supporting and ancillary infrastructure elements: <ul style="list-style-type: none"> • Access roads and service corridors • Accommodation camps (construction and permanent) • Wastewater treatment plant • Laydown areas • Concrete batching • Explosives storage, preparation facilities and hydrocarbon storage 	Figure 3	

<ul style="list-style-type: none"> • Waste management and landfill • Borrow pits • Meteorological masts • Crushing and screening plant • Topsoil stockpiles • Communication towers • Site offices and workshops • Battery storage 		
Construction elements		
Water infrastructure (storage infrastructure (such as turkey's nests) and pipelines to transport water from the existing production bores to the storage infrastructure).	Figure 3	Up to 850 ML/annum during construction period
Backup Power Supply <ul style="list-style-type: none"> • Diesel Generators • Battery Storage 	Figure 3	Up to 4 MW (instantaneous load requirement)
Operational elements		
Wind Energy Generation	Figure 3	Individual wind turbines generating renewable electricity
Transmission and Energy Storage (substations and associated battery energy storage systems (BESS))	Figure 3	Up to six substations including BESS
Water infrastructure (storage infrastructure such as turkey's nests) and pipelines to transport water from the existing production bores to the storage infrastructure).	Figure 3	Up to 100 ML/annum during operational period.
Backup Power Supply <ul style="list-style-type: none"> • Diesel Generators • Thermal Generators • BESS. 	Figure 3	Up to 4 MW (instantaneous load requirement)
Proposal elements with greenhouse gas emissions		
Construction elements:		
Scope 1 emissions for the construction and installation phase of the Proposal are estimated to be 75,000 tCO2-e per annum.		
No Scope 2 emissions are anticipated from the Proposal in construction as all electrical power will be self-generated.		
Emissions during manufacturing and construction of facility and equipment are expected to be less than 40,000 tCO2-e per annum.		
Operation elements:		
Scope 1 emissions during operation are expected to be approximately 325 tCO2-e per annum.		
No Scope 2 emissions are anticipated from the Proposal in operations as all electrical power will be self-generated		
Scope 3 emissions during operations are expected to be approximately 40,000 tCO2-e per annum.		

Rehabilitation

Topsoil will be stored in allocated storage areas and used to rehabilitate areas disturbed for temporary facilities following construction. At the completion of the Proposal, any infrastructure no longer required will be removed and disturbed areas rehabilitated consistent with the surrounding landscape. Topsoil from permanent clearing will be spread consistent with the surrounding landscape or stockpiled.

Commissioning

The commissioning of the wind farm will commence with the completion of the wind turbine generators and the main substation connecting the Proposal to the main power transmission network. Groups of wind turbines connected to the substations via the 33kV overhead lines will be commissioned as power from the grid becomes available.

Before any operational activity begins, comprehensive system testing will be conducted on all turbines, electrical infrastructure, and grid connections to ensure that all components meet safety, performance, and environmental standards. Performance testing, and noise emission testing will be completed after commissioning if required.

Decommissioning

At completion of the operational phase, the decommissioning of the wind farm will involve the removal of all wind turbines, towers, foundations (to a specified depth), transformers, cabling, and other above-ground infrastructure. Underground components, such as cables or foundations below a certain depth, may be left in place if deemed environmentally preferable, in line with regulatory guidelines. All removed materials will be handled responsibly, with recyclable components sent to appropriate facilities and non-recyclable waste disposed of according to local regulations.

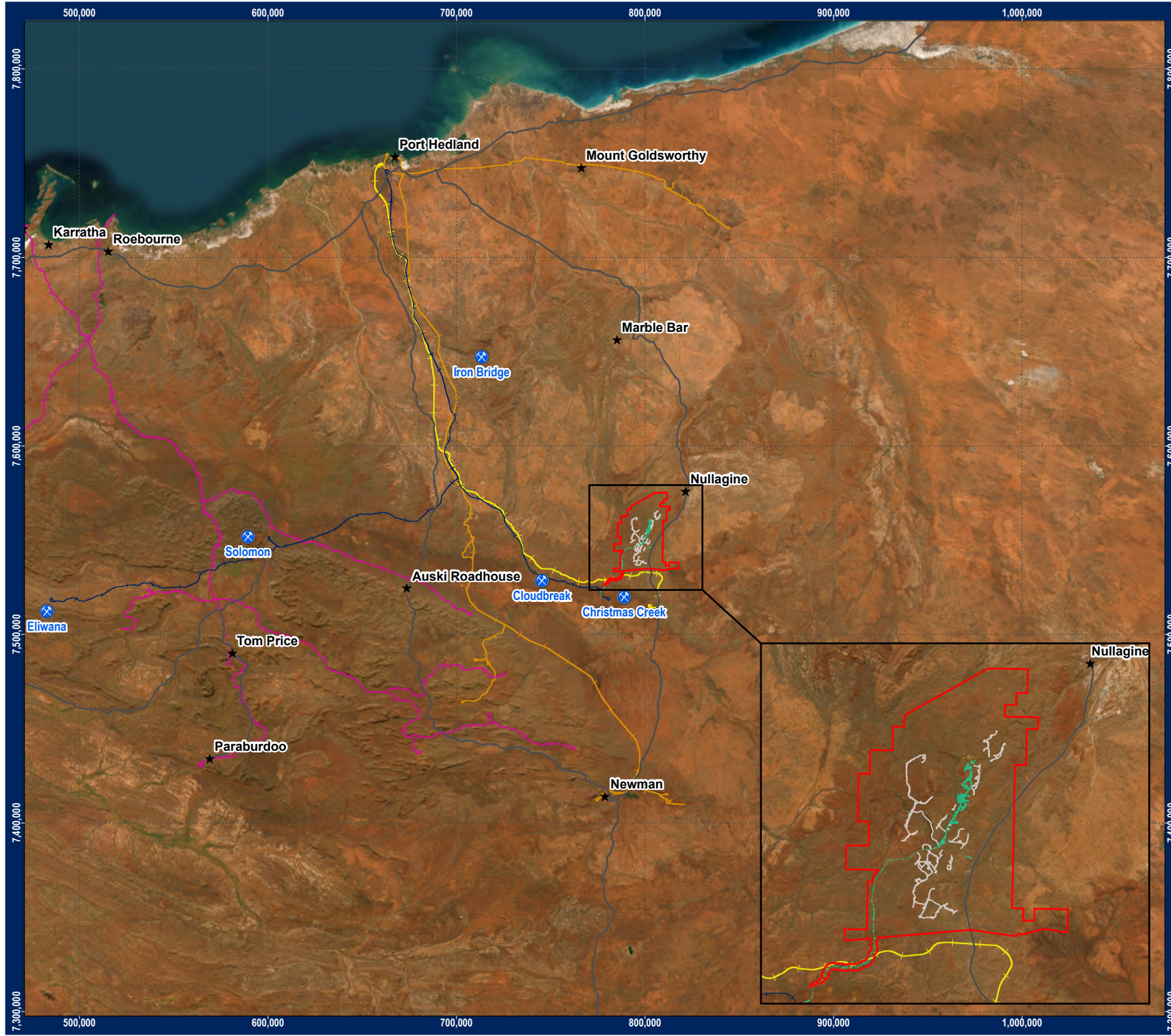
Additional options for the Proposal may include re-purposing of the wind farm through third party agreements where the wind turbines and supporting infrastructure will remain in situ based on Post Closure Land Use discussions and negotiation's with relevant stakeholders.

Works will be planned to minimise environmental impact and restore the site to its pre-development condition as much as feasible.

Other elements which affect extent of effects on the environment

Proposal time*	Maximum project life	25 – 30 years At the end of life, the site will either be repowered or decommissioned.
	Construction phase	Approximately 34 months.
	Operations phase	Operations across the proposed site will be achieved once commissioning of all stages is complete. Infrastructure to be maintained and then replaced at the end of asset life (approximately every 30 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).



- Legend**
- Development Envelope
 - Indicative Disturbance Footprint
 - Approved Disturbance (Nullagine Pilot Wind Farm)
 - ★ GOV Towns
 - Major Roads
 - + Fortescue Rail
 - + BHP Rail
 - + Rio Tinto Rail
 - + Roy Hill Rail

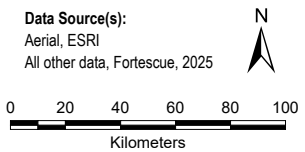


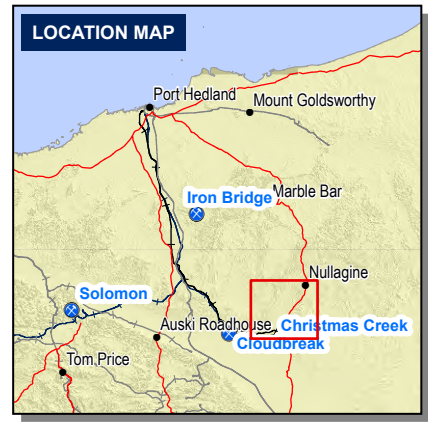
Figure 1
 Proposal Location

Requested By: R. Dorji
 Drawn By: R. Kerr
 Revised By: rykerr
 Approved By:
 Scale: 1:2,750,000
 Coordinate System: GDA 1994 MGA Zone 50
 Project Name: 4519OP002_MP_EN_0093_PartIV
 Document Name: 4519OP002_MP_EN_0093_001_r1_ProjectLocation

Date: 1/28/2026
 Size: A4L
 Revision: 1
 Confidentiality: 0

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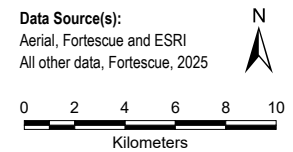


Figure 2
 Indicative Disturbance Footprint

Requested By: R. Dorji	Date: 1/28/2026
Drawn By: R. Kerr	Size: A4L
Revised By: rykerr	Revision: 1
Approved By:	Confidentiality: 0
Scale: 1:300,000	
Coordinate System: GDA 1994 MGA Zone 50	
Project Name: 4519OP002_MP_EN_0093_PartIV	
Document Name: 4519OP002_MP_EN_0093_002_r1_IDF	
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- Legend**
- | | |
|--|----------------------------------|
| Development Envelope | Supporting Infrastructure |
| Turbine Locations | Laydown |
| GOV Towns | Fuel Storage |
| Major Roads | Explosive Storage |
| Fortescue Rail | Borrow Areas |
| Roy Hill Rail | Maintenance Area |
| Indicative Disturbance Footprint | Material Stockpiles |
| Approved Disturbance (Nullagine Pilot Wind Farm) | Site Office |
| | Substations |
| | Turkeys Nests |

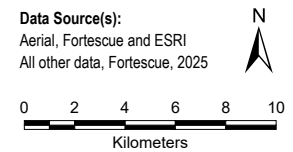


Figure 3
 Supporting Infrastructure
 of the Proposal

Requested By: R. Dorji
 Drawn By: R. Kerr
 Revised By: rykerr
 Approved By:
 Scale: 1:300,000
 Coordinate System: GDA 1994 MGA Zone 50
 Project Name: 4519OP002_MP_EN_0093_PartIV
 Document Name: 4519OP002_MP_EN_0093_003_r1_Supporting_Infra

Date: 1/28/2026
 Size: A4L
 Revision: 1
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