

Our reference: MPL-0924-0185

Department of
**Housing, Local Government,
Planning and Public Works**

30 September 2024

Elliott Fairon
Senior Environmental Planner
Umwelt Pty Ltd
Sent by email: elliott.fairon@umwelt.com.au

Dear Mr Fairon

Pre-lodgement written advice – proposed designation – Calvale to Calliope Transmission Line Reinforcement Project

This pre-lodgement record provides a summary of relevant matters based on the supporting information provided in the pre-lodgment request. This record is provided in good faith and provides initial advice regarding likely issues relevant to the proposed request to designate premises for the development of infrastructure (designation).

If the proposal is changed from that which was provided in the pre-lodgement request, you may wish to seek further or amended pre-lodgment advice from Department of Housing, Local Government, Planning and Public Works (DHLGPPW).

Meeting details

Information provided:	12 September 2024
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Site details

Local government area:	Banana Shire, Gladstone Region
Existing Infrastructure Designations:	212 - Calvale to Larcom Creek 275 kV Transmission Line 274 - 3.5 kilometres of the Calvale to Larcom Creek 275 kilovolt transmission line project. 481 - 101 km double circuit 275 kV transmission line between Calvale substation and Stanwell substations 444 - Calliope River Substation Establishment Project 352 - Gladstone to Larcom Creek 275kV Transmission Line

Proposed infrastructure details

Type of infrastructure:	Item 7: electricity operating works.
Infrastructure description:	275 kilovolt (kV) transmission line and Calliope River substation expansion

State interests relevant to the assessment:

Sections C and D	<u><i>Agriculture</i></u> Agricultural land classification – class A and B Stock route network
	<u><i>Development and construction</i></u> State Development Area (SDA): Gladstone SDA Callide Infrastructure Corridor SDA
	<u><i>Biodiversity</i></u> Protected areas – estates Wildlife habitat (endangered or vulnerable) Wildlife habitat (Special least concern animal) Regulated vegetation – Category B Regulated vegetation – Category C Regulated vegetation – Category R Regulated vegetation – essential habitat Regulated vegetation – intersect Watercourse
	<u><i>Emissions and hazardous activities</i></u> High pressure gas pipeline
	<u><i>Natural hazards, risk, and resilience</i></u> Flood hazard area – level 1 Queensland floodplain assessment overlay Flood hazard area – Local Government flood mapping area Bushfire prone area Potential impact buffer
	<u><i>Energy and water supply</i></u> Major electricity infrastructure (Ergon)
	<u><i>Transport infrastructure</i></u> State-controlled road Railway corridor Active transport corridor
	<u><i>Strategic airports and aviation facilities</i></u> Obstacle limitation surface area Obstacle limitation surface contours Light restriction zone (zone B, zone C, zone D) Lighting area buffer 6 km Wildlife hazard buffer zone (8 km and 13 km)

	<p><u>Strategic port</u></p> <p>Priority ports</p> <p>Gladstone Priority Ports Precinct.</p>
Outlying undesignated area near Calvale substation	<p><u>Agriculture</u></p> <p>Stock route network</p>
	<p><u>Development and construction</u></p> <p>State Development Area (SDA):</p> <p>Gladstone SDA</p> <p>Callide Infrastructure Corridor SDA</p>
	<p><u>Biodiversity</u></p> <p>Wildlife habitat (endangered or vulnerable)</p> <p>Regulated vegetation – Category C</p> <p>Regulated vegetation – Category R</p> <p>Regulated vegetation – essential habitat</p> <p>Regulated vegetation – intersect Watercourse</p>
	<p><u>Natural hazards, risk, and resilience</u></p> <p>Bushfire prone area</p> <p>Potential impact buffer</p>
	<p><u>Energy and water supply</u></p> <p>Major electricity infrastructure (Ergon)</p>
	<p><u>Transport infrastructure</u></p> <p>State-controlled road</p>
Outlying undesignated area near Calliope River substation	<p><u>Development and construction</u></p> <p>State Development Area (SDA):</p> <p>Gladstone SDA</p>
	<p><u>Biodiversity</u></p> <p>Wildlife habitat (endangered or vulnerable)</p> <p>Wildlife habitat (special least concern)</p> <p>Regulated vegetation – Category B</p> <p>Regulated vegetation – Category R</p> <p>Regulated vegetation – essential habitat</p> <p>Regulated vegetation – intersect Watercourse</p>
	<p><u>Coastal Environment</u></p> <p>Coastal management district</p>
	<p><u>Natural hazards, risk, and resilience</u></p> <p>Flood hazard area – level 1 Queensland floodplain assessment overlay</p> <p>Flood hazard area – Local Government flood mapping area</p> <p>Bushfire prone area</p> <p>Potential impact buffer</p>

	Erosion prone area
	Medium storm tide inundation area
	High storm tide inundation area
	<u><i>Strategic airports and aviation facilities</i></u>
	Obstacle limitation surface area
	Obstacle limitation surface contours
	Light restriction zone (zone B, zone C, zone D)
	Lighting area buffer 6 km
	Wildlife hazard buffer zone (8 km and 13 km)
	<u><i>Strategic port</i></u>
	Priority ports
	Gladstone Priority Ports Precinct.
	<u><i>Priority ports</i></u>
	Port industry and commerce precinct
	Marine infrastructure precinct

Supporting information

Plan / Report title	Author	Ref no.	Version / date
Pre-lodgement advice request – Calvale to Calliope River Transmission Line Reinforcement Project	Umwelt	30283	12 September 2024

Written advice

Item	Advice
Infrastructure entity overview of designation proposal	
1.	<p>The MID Proposal would facilitate a new transmission line from the Calvale substation to the Calliope River substation. Specifically, the project involves:</p> <ul style="list-style-type: none"> a new double circuit, 275 kilovolt (kV) transmission line (approximately 87km in length) from the Calvale substation to the Calliope River substation. extension of the existing Calvale and Calliope River substations. <p>The majority of the line follows the existing easement and infrastructure designation boundaries, except for:</p> <ul style="list-style-type: none"> two new sections located generally between Lot 541 on AP22498 and Lot 36 on CTN260 and being approximately 30 km in length minor outlying area between Lot 4 on SP218648 and Lot113 on CTN799 in the north east, approximately 250m in length minor outlying area on Lot 6 on SP103557 in the south, approximately 600m in length. <p>The proponent is seeking a single MID for the new components only.</p> <p><u>DHLGPPW Feedback:</u></p> <p>It is suggested that a new MID is lodged over the whole new line, not just the new components. This new MID would not require the repealing of existing MIDs or the re-assessment of the existing designation corridor. The purpose of a new MID is to provide greater clarity in the future of the corridor forming part of the new MID.</p> <p>Consideration should be given to any of the existing MID requirements that may conflict</p>

	with any new MID requirements.
Transport	
2.	<p>The transmission line crosses both the state and local road networks. A construction traffic impact assessment should be provided in support of the MID proposal that addresses the following:</p> <ul style="list-style-type: none"> • impacts on the state and local road networks and any required upgrade/mitigation works access arrangements to the transmission line for construction and maintenance • any temporary road closures and associated impacts • impacts to public and active transport routes.
Biodiversity	
3.	<p>The transmission line passes through areas of MSES with pylon towers potentially requiring vegetation to be cleared. An ecological assessment should be provided in support of the MID that includes/addresses:</p> <ul style="list-style-type: none"> • the avoid/minimise/mitigate/offset framework • areas of vegetation to be cleared • impacts to marine plants • any proposed rehabilitation/offsetting.
Bushfire prone area	
4.	<p>The transmission line is mapped in very high, high and medium bushfire intensity and potential impact buffer areas. Environmental management plans should be provided that address bushfire risks with consideration given to:</p> <ul style="list-style-type: none"> • avoidance of bushfire prone areas where possible • measures to mitigate risks to a tolerable level • procedures in the event of a bushfire.
Flood hazard	
5.	<p>The transmission line is mapped within both the Level 1 – Queensland floodplain assessment overlay and Flood hazard area - Local government flood mapping area. A hydrology assessment should be provided in support of the MID that considers the impacts of flooding, stormwater and coastal hazards including storm tide inundation and coastal erosion.</p>
Strategic airport and aviation facilities	
6.	<p>The transmission line is located to the north west of Gladstone Airport. Consultation should be undertaken with the Civil Aviation Safety Authority (CASA) throughout the MID process, including at the pre-engagement and formal consultation stages.</p>
Emissions and hazardous activities	
	<p>The transmission line crosses high pressure gas pipelines in a number of locations. Consultation should be undertaken with the pipeline operators prior to lodgement to determine whether a safety management study is required.</p>
Fish habitat areas	
	<p>The transmission line crosses a number of mapped waterways for waterway barrier works. If any waterway barrier works are proposed as part of the construction of the transmission line, details of any barriers should be provided with the MID Proposal, where possible.</p>
Priority ports – Gladstone priority port	
	<p>The transmission line crosses Calliope River, a high-risk maritime development zone. Details should be provided of:</p>

	<ul style="list-style-type: none"> the height of the transmission line above creek water levels considering tidal patterns, seasonal changes and weather conditions any required closure of the navigable waterway for the construction of the transmission line.
Electricity infrastructure	
	The transmission line is in proximity to and crosses a number of existing transmission lines of various size. The proposal should ensure the continued safe operation of this existing infrastructure. An electric and magnetic field assessment should be provided in support of the MID proposal.
State development areas	
	<p>The transmission line crosses both the Callide Infrastructure Corridor and Gladstone SDAs.</p> <p>The assessment should include a consideration of how this project does not conflict with the intent or purpose for these areas.</p>
Agriculture	
	<p>The transmission line crosses areas of Agricultural land – class A and B and the Stock route network. The MID Proposal should include an assessment of:</p> <ul style="list-style-type: none"> the impacts on the long-term viability and growth of the agricultural sector the impacts on the stock route network, in the locations crossed by the transmission line.
Recommended technical reporting	
7.	<p>It is recommended that the entity consider the following matters when preparing the infrastructure designation request:</p> <ul style="list-style-type: none"> construction traffic impact assessment ecological assessment quantifying areas to be cleared and including any proposed rehabilitation/offsetting hydrology assessment including flooding, stormwater and coastal hazards noise and vibration impact assessment environmental management plans – biosecurity, acid sulphate soils, soil and water, contaminated land, waste management, hazardous materials, air quality, bushfire cultural heritage impacts air quality impacts landscape and visual amenity impacts electric and magnetic field impacts bushfire risks agricultural land impacts ground and surface water impacts coastal process impacts hazards, health and safety details of any proposed waterway barrier works details of any construction camps, if proposed.

General information

Preliminary stakeholder engagement requirements

The pre-lodgement written advice provided by DSDILGP on 22 December 2022 (Ref:

MPL-1122-0376) highlighted preliminary stakeholder requirements and certain entities that should be consulted during preliminary engagement activities.

It is understood that preliminary engagement activities have already been undertaken, which would not require these to be repeated. However, at time of seeking endorsement, please ensure that all parties identified in the 22 December 2022 advice have been consulted.

Once preliminary engagement has been undertaken with all relevant stakeholders, please provide details as part of the endorsement request.

Endorsement to lodge a MID proposal

Endorsement to lodge a MID proposal can be sought following completion of preliminary stakeholder engagement activities. When seeking endorsement please provide the information contained within Attachment 3.1 of the [MID Operational Guidance](#) via email to infrastructuredesignation@dsdilgp.qld.gov.au.

MID proposal

Should the proposal be endorsed, to apply for the designation, submit a MID proposal via the [online portal](#) that includes/addresses:

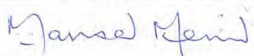
- the required material for making a MID specified in Schedule 3 of the [Minister's Guidelines and Rules](#)
- the matters raised in these pre-lodgement minutes.

Formal consultation stage

Formal consultation will include a 20 business day public consultation period which is to include as a minimum: sign/s on the land, a notice in the paper and letters to surrounding landowners, elected representatives and Native Title and/or Aboriginal or Torres Strait Islander party/parties for the area. Requirements for the formal consultation stage will be determined following endorsement to lodge a MID proposal.

If you require any further information, please contact, Mr Alan Houston, Senior Planner on 3452 7627 or alan.houston@dsdilgp.qld.gov.au who will be pleased to assist.

Yours sincerely



Marisa Menin
MANAGER