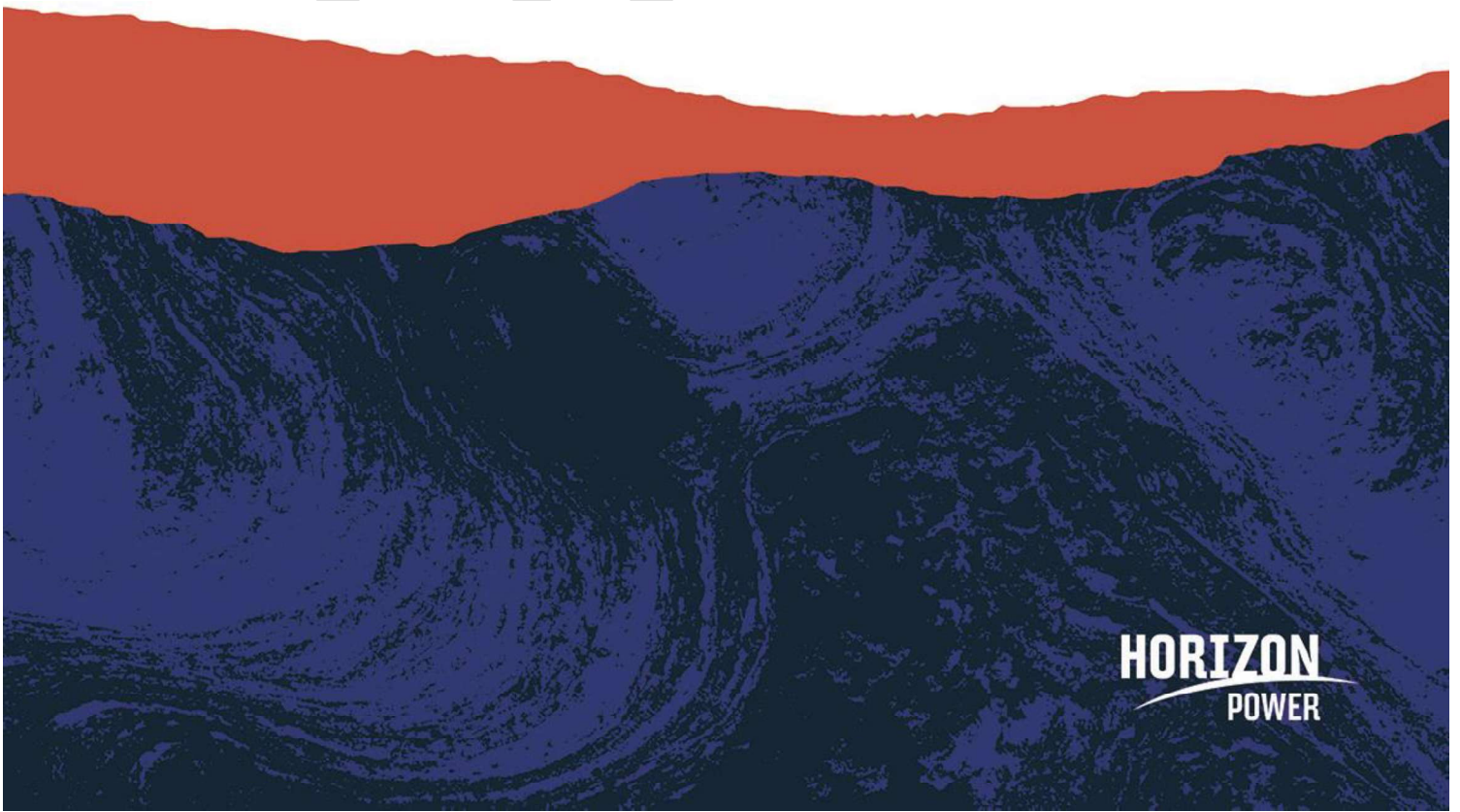




Burru Distribution Lines Project

Construction Environmental Management Plan

November 2022



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1 Introduction

1.1 Project Context

Regional Power Corporation, trading as Horizon Power, is a Western Australian (WA) Government Trading Enterprise (GTE) and the state's regional and remote energy provider. Horizon Power operates under the *Electricity Corporations Act 2005* and is governed by a Board of Directors accountable to the Minister for Energy.

Horizon Power is proposing to install a distribution line and associated infrastructure within multiple land parcels on the Burrup Peninsula, WA (the Project). The Project will provide customer connection via an approximately 600 m 33 kilovolt (kV) distribution line which will connect into the existing Horizon Power network, which runs along the eastern side of Burrup Road, Karratha.

1.2 Scope and Purpose

This Construction Environmental Management Plan (CEMP) has been developed to outline environmental management measures to be implemented during the construction activities for the Project. This includes, but is not limited to, measures to manage dust, erosion and spread of weeds during the construction activities.

This document will be distributed to the Contractor undertaking construction works for the Project.

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2 Description of the Activity

2.1 Project Location

The Project location is bounded to the south and south-east by above ground pipeline infrastructure, and to the north by the Pluto Gas Plant (PGP). Infrastructure will be located within the Development Envelope¹ which extends west and east of Burrup Road.

2.2 Activity Overview

The Project requires the installation of an approximately 600 m 33 kV overhead distribution line for a customer connection. The new distribution line will connect into existing Horizon Power infrastructure on the Burrup.

In addition to the distribution line, infrastructure required for the Project will include the following:

- Steel poles
- Steel H structures (these structures serve as overhead to underground transition structures for high voltage cables)
- Stay wires (to provide stability to the H structures)
- Access tracks (to permit access by vehicles and machinery during construction works and for maintenance during operations).

2.2.1 Clearing of Native Vegetation

The clearing of native vegetation is required for the Project. A Native Vegetation Clearing Permit (NVCP) application has been lodged with the Department of Water and Environmental Regulation (DWER) along with supporting documentation which outlines the activities requiring clearing. The application area (herein referred to as the Development Envelope) is 9.74 hectares (ha), with proposed disturbance up to 2 ha within the Development Envelope.

Clearing of native vegetation within the application area will only be undertaken as specified by the Clearing Permit once issued by DWER, including the extent and method of clearing to be undertaken.

¹ Note: the Development Envelope refers to the same area as the Native Vegetation Clearing Permit application area.

3 Management Measures

The management measures listed in Table 3-1 will be implemented during construction for this Project.

Table 3-1 Management Measures to be Implemented During Construction – Clearing of Native Vegetation

| Aspect | Management Measure |
|----------------------|---|
| Flora and vegetation | <ul style="list-style-type: none"> – Clearing of native vegetation will be restricted to the Development Envelope (i.e. approved clearing area), as per the Native Vegetation Clearing Permit issued by DWER. – Clearing of native vegetation will occur as per the conditions in the Native Vegetation Clearing Permit issued by DWER. – No clearing of native vegetation or ground disturbance is to occur outside of the Development Envelope area. – Priority flora species within the Development Envelope will be avoided where possible, and is only to be undertaken as permitted by the Native Vegetation Clearing Permit issued by DWER. – Areas that are degraded, sparsely vegetated and/or previously cleared will be used preferentially for the location of infrastructure and access roads required for the Project. – Temporarily cleared areas will be restored through basic management measures, as follows: <ul style="list-style-type: none"> • Topsoil (i.e. the top 10 mm of soil) will be separately stockpiled and re-spread over temporarily cleared areas • On completion of any temporary excavations, excavated materials will be replaced. Topsoil will then be re-spread over the surface • Recontouring and removal of compaction (e.g. ripping or scarification) of soil within areas temporarily disturbed by construction will occur. |
| Flora and Fauna | <ul style="list-style-type: none"> – Clearing of native vegetation will be undertaken in a slow, progressive manner in one direction to allow fauna to move away from the clearing area. – Clearing of areas of rock boulder / pile / outcrop habitat will be avoided where possible. – Clearing of areas of rock boulder / pile / outcrop habitat will not be undertaken without prior visual inspection for fauna. Clearing will occur slowly to allow any fauna not identified during visual inspection to move away. – Construction personnel will be provided with fauna identification materials for relevant conservation significant species (including for the Northern Quoll, Pilbara Olive Python and Peregrine Falcon) for on-site identification and active avoidance. – Construction personnel are not permitted to touch, feed or otherwise interact with fauna. – Any excavations left open overnight will include fauna egress and be inspected at the start and end of each day for fauna. – Vehicle and machinery speeds within the Development Envelope will be restricted to reduce the likelihood of fauna strike. |
| Weeds | <ul style="list-style-type: none"> – The following steps will be implemented to minimise the risk of disease and/or weeds being introduced and/or spread within the Development Envelope: <ul style="list-style-type: none"> • The Contractor must ensure that no weed-affected soil, mulch, fill or other material is brought into the Development Envelope. • Vehicles and machinery must be clean on entry. • Movement of machines and other vehicles will be limited, where possible, to the areas to be cleared. |
| Erosion | <ul style="list-style-type: none"> – Standard construction measures regarding erosion and sediment control (include topsoil management) will be implemented during construction works. |
| Dust | <ul style="list-style-type: none"> – Standard construction dust control and mitigation measures will be implemented during clearing. This may include the use of water truck(s). – Ground disturbance and/or clearing of vegetation will be restricted during high winds if dust cannot be adequately controlled |

| Aspect | Management Measure |
|----------|---|
| Noise | <ul style="list-style-type: none"> – Standard construction noise management measures will be implemented. – Construction works will be undertaken in compliance with Environmental Protection (Noise) Regulations and it is noted that the Project is located within an industrial are. |
| Waste | <ul style="list-style-type: none"> – Management strategies will be implemented to ensure the generation of waste during the construction phase is minimised. – Rubbish will be disposed of in appropriate containers with lids and all waste will be removed from the site. |
| Heritage | <ul style="list-style-type: none"> – Heritage sites should be adequately demarcated on site, as relevant. – Heritage Monitors must be present during ground disturbing activities. No ground disturbance or clearing is to be undertaken without Heritage Monitors present, unless otherwise specifically advised by Horizon Power – Should artefacts or remains be uncovered during construction works, works are to stop immediately. The Contractor is to contact the Horizon Power Project Manager, the area should be cordoned off and no access permitted to the area. |

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4 Permits and Licences

4.1 Clearing of Native Vegetation

Clearing of native vegetation in WA requires a permit from DWER under the *Environment Protection Act 1986*, unless an exemption applies. Clearing of native vegetation for this Project must be undertaken as per the conditions outlined in the Native Vegetation Clearing Permit issued by DWER for this Project (see Attachment A).

4.2 Heritage

It is noted that there are a number of heritage sites overlapping the Development Envelope. Horizon Power has commenced stakeholder engagement with the Murujuga Aboriginal Corporation (MAC) regarding this Project. Construction activities for the Project will only commence once stakeholder engagement has been completed and will comply with all aspects of the *Aboriginal Heritage Act 1972* and *Aboriginal Heritage Act 2021*, as relevant.

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5 References

GHD, 2022. *Woodside Pluto Connection Project. Pluto Additional Areas Reconnaissance/Basic Survey*. Report prepared for Horizon Power.

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Attachment A: Native Vegetation Clearing Permit

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