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Horizon Power Electric Vehicle Charging Stations and Stand-alone Power Systems Infrastructure Project Construction Environmental Management Plan

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HORIZON
POWER

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1 Introduction

1.1 Project Context and Scope

Horizon Power is a Western Australian (WA) Government Trading Enterprise (GTE) and the state's regional and remote energy utility. 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 an experienced asset manager undertaking active management of vast electricity networks across WA, utilising mature and robust operational, health and safety, and environmental systems.

Horizon Power is intending to install a minimum of 54 electric vehicle (EV) charging stations throughout regional Western Australia, to facilitate the decarbonisation of the transport network, in accordance with the Western Australian Climate Policy and Electric Vehicle Strategy. To facilitate a well-planned and distributed charging network, Horizon will need to install charging stations and associated infrastructure including Stand-alone Power Systems (SPS) in a number of Road Reserves. This referral application is for 3 locations within the Pilbara, Gascoyne and Kimberley regions that will require the minor clearing of native vegetation to install the EV charging stations.

The work will involve clearing of vegetation, civil works, installation of cables, EV hardware, SPS and associated infrastructure, bollards, security, lighting and shade (if required), signage and branding. Areas may also need to be cleared to allow for the parking of vehicles. The total clearing footprint for the three sites will not exceed 0.2055 ha with the clearing of Bidyadanga Turnoff, Ngumpan Cliff Rest Area and Minilya being 0.07 ha, 0.05 ha and 0.0855 ha respectively. at the locations detailed in Figures 1, 2 and 3.

The Project will require the clearing of native vegetation and a Native Vegetation Clearing Referral has been submitted to the Department of Water and Environmental Regulation (DWER).

1.2 Scope and purpose

This Construction Environmental Management Plan (CEMP) has been developed to outline environmental management measures to be implemented by Horizon Power and its contractors during the construction of the Electric Vehicle Charging Stations and Stand-alone Power Systems Infrastructure Project. This includes, but is not limited to, measures to manage dust, erosion and spread of weeds during clearing of native vegetation.

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Figure 1 Bidyadanga Site Location



Figure 2 Minality Site Location



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Figure 3 Ngumpan Cliff Rest Area Site Location



2 Description of the Activity

2.1 Activity Overview

The work will involve the mechanical clearing of vegetation, civil works, installation of cables, EV hardware, SPS and associated infrastructure, bollards, security, lighting and shade (if required), signage and branding. Areas may also need to be cleared to allow for the parking of vehicles.

The total clearing footprint for the three sites will not exceed 0.2055 ha.

2.2 Clearing of Native Vegetation

The proposed clearing will occur within the Project area (Figures 1, 2 and 3) which is 0.2055 ha in size. No more than 0.2055 ha of clearing is proposed, to allow for the construction of the EV charging stations.

3 Management Measures

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

Table 1 Management Measures to be Implemented During Construction

Aspect	Management Measure
Extent of Clearing	<ul style="list-style-type: none"> – No more than 700 m², 855 m² and 500 m² of clearing is permitted at the locations detailed in Figures 1, 2 and 3 respectively. – The clearing locations are to be demarcated prior to clearing activities. – A pre-clearing toolbox will be held so all staff are aware of their responsibilities and the limits of clearing.
Flora and vegetation	<ul style="list-style-type: none"> – No more than 700 m², 855 m² and 500 m² of clearing is permitted at the locations detailed in Figures 1, 2 and 3 respectively.
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. – Construction personnel will not touch, feed or otherwise directly interact with fauna. – Clearing will be undertaken during daylight hours only.
Weeds	<ul style="list-style-type: none"> – The Contractor will ensure that no weed-affected soil, mulch, fill or other material is brought onto the site. – All vehicles and machinery will arrive clean on site. – Movement of vehicles and machinery will be restricted to the area to be cleared and existing cleared areas.
Erosion	<ul style="list-style-type: none"> – Standard construction measures regarding erosion and sediment control 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 a water trucks, or similar. – Ground disturbance and clearing of vegetation will be restricted during high winds if dust cannot be adequately controlled.
Noise	<ul style="list-style-type: none"> – The contractor will comply with the Environmental Protection (Noise) Regulations 1997 – Complaints regarding noise will be recorded and investigated by Horizon Power.
Waste	<ul style="list-style-type: none"> – Rubbish will be disposed of in appropriate containers and all waste will be removed from the site.
Hydrocarbons and chemicals	<ul style="list-style-type: none"> – Hydrocarbons and chemicals will be appropriately managed on site to prevent spills, including maintaining equipment in good working order in accordance with manufacturers specifications. – No refuelling will be undertaken within 50 m of a waterway, drain or drainage line. – Hydrocarbons will be appropriately stored at least 50 m away from drainage lines and stored in an appropriate bunded container.

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Aspect	Management Measure
	<ul style="list-style-type: none">– Refuelling will be undertaken on hardstand or using catch trays only. Uncontrolled refuelling is not permitted.– Chemicals will be appropriately stored.
Heritage	<ul style="list-style-type: none">– Should aboriginal cultural heritage materials be uncovered during construction works, works are to stop immediately within 20 m of the find. The Contractor is to contact the Horizon Project Manager and an incident will be raised. The area will be cordoned off and no access permitted to the area by people until the incident is investigated and resolved.