



NGH



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230701 Jindera Solar Farm EMS

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Acronyms and abbreviations

AC	Alternating current
AES	Accommodation and Employment Strategy
APA	East Australian Pipeline Pty Ltd
BC Act	<i>Biodiversity Conservation Act 2016</i> (NSW)
BCD	Biodiversity, Conservation and Science Directorate
BESS	Battery Energy Storage System
BFMP	Bushfire Management Plan
Biosecurity Act	<i>Biosecurity Act 2015</i> (NSW)
BAL	Basic left turn
BMP	Biodiversity Management Plan
CEMP	Construction Environment Management Plan
CCP	Community Communication Plan
CoC	Conditions of Consent
CRT	Channelised right turn
Cwth	Commonwealth
DC	Direct current
DPE	Department of Planning and Environment (NSW)
DRP	Decommissioning and Rehabilitation Plan
EIS	Environmental Impact Statement
EMS	Environmental Management Strategy
EP	Emergency Plan
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EP&A Regulation	Environmental Planning and Assessment Regulation 2021
EPA	Environment Protection Authority
EPC	Engineering, Procurement and Construction
ESCP	Erosion and Sediment Control Plan
ESIP	Emergency Site Information Package
EWMS	Environmental Work Method Statements
FM Act	<i>Fisheries Management Act 1994</i> (NSW)
FRP	Floor Response Plan

FTE	Full time equivalent
GHSC	Greater Hume Shire Council
Ha	Hectares
HMP	Heritage Management Plan
Heritage Act	(NSW) <i>Heritage Act 1977</i>
HSEQ	Health, Safety, Environmental and Quality
IPC	Independent Planning Commission
ha	hectares
JSF	Jindera Solar Farm
KL	Kilolitre
km	kilometres
kV	Kilovolts
LGA	Local Government Area
LP	Landscaping Plan
m	metres
ML	Megalitre
MNES	Matters of Na
MW	Megawatt
MWh	Megawatt hours
NBMP	Nest Box Management Plan
NSW	New South Wales
NMP	Noise Management Plan
OEMP	Operational Environment Management Plan
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
PV	Photovoltaic
PWMP	Pest and Weed Management Plan
RP	Rehabilitation Plan
SEPP	(NSW) State Environmental Planning Policy
SCRP	Spill Containment and Response Plan
SAP	Sensitive Area Plans
SSD	State Significant Development
SWMP	Soil and Water Management Plan

SWMS	Safe Work Method Statements
TfNSW	Transport for NSW
TMP	Traffic Management Plan
WMP	Waste Management Plan
VPA	Voluntary Planning Agreement

1. Introduction

1.1 Overview

Jindera Solar Farm Pty Ltd (the proponent) received planning approval on 22 December 2020 for the construction and operation of a 120 Megawatt (MW) alternating current (AC) photovoltaic (PV) Solar Farm; equivalent to up to 150 MW direct current (DC).

The Jindera Solar Farm (the Project) would be located on agricultural land approximately 4 kilometres (km) north of Jindera, New South Wales (NSW). The Jindera Solar Farm (JSF, the Project) has a 521 hectare (ha) footprint and is State Significant Development (SSD, SSD-9549).

This Environmental Management Strategy (EMS) has been prepared to comply with the following:

- Conditions of Consent (CoC), from the New South Wales Independent Planning Commission (IPC), listed in Appendix A of this report.
- *Jindera Solar Farm Environmental Impact Statement* (EIS) (NGH Environmental 2019).
- Final amended Statements of Commitments (SoCs) listed in the *Jindera Solar Farm Submissions Report* (NGH Environmental, 2020).
- Modification 1 Report (NGH, 2023).
- All applicable legislation during the construction of the Project.

Modification Report 1 (SSD-5649 -Mod-1) was prepared and submitted to the Department of Planning and Environment (DPE) March 2023 and was determined on the 25th October 2023 with consolidated Conditions of consent issued. The modification to the Project was for the following:

- Electrical connection be constructed as an underground transmission line.
- An increase of inverter stations, from 25 to 38 containerised units, relocation of associated internal roads for access and realignment of photovoltaic array to suit.
- Increase the peak vehicle movements per day from 242 to 292 movements. This would be comprised of up to 210 light vehicle movements outside of construction hours, 80 heavy vehicle movements regularly scheduled throughout the day and occasionally one over-mass vehicle.
- Refinements to vegetation screening and visual buffers to reflect accurate surveys, consultation with non-associated receivers and compliance with heritage buffers.
- Refinement of security fencing.
- Staging of the construction of the Battery Energy Storage System (BESS).

These Project changes and consolidated Conditions of consent have been addressed in this EMS.

1.2 Staging

As per Condition 3 of Schedule 4 of the development consent, Jindera Solar Farm Pty Ltd received approval on 14 September 2022 for staging the development and submission of the relevant strategies, plans or programs required by the development consent on a progressive basis.

The construction of the Project will be undertaken in two approved stages:

- Stage 1 of the Project will include construction and operation of all components of the solar farm as approved, with the exception of the 'battery storage facility.' Stage 1 is expected to commence in 2024.
- Stage 2 of the Project will include construction and operation of the 'battery storage facility.' Stage 2 will commence after Stage 1; however, the timing is not yet known.

The plans, including this EMS will be required to be updated to address Stage 2.

1.3 Purpose and objectives

This EMS presents the framework for the environmental management for the Project. It has been prepared to outline and describe how The proponent and the Engineering, Procurement and Construction (EPC) Contractor will comply with the environmental assessment and approval during all stages of the Project.

The EMS has been prepared in accordance with:

- CoC, EIS, Submissions Report and Modification Report 1
- Guideline for the Preparation of Environmental Management Plans (DIPNR, 2004)
- AS/NZS ISO 14001: 2016 Environmental Management systems
- The proponent's Management System Requirements
- Applicable Federal and State Legislation
- AS/NZS ISO 31000:2009 Risk management.

The purpose of this EMS is to provide a framework for the management of environmental issues during construction and operation of the Project (Stage 1). Implementing this EMS will ensure that the Project team complies with the Project's CoCs, regulatory and policy requirements in a systematic manner and continually improves its performance.

In particular, this EMS:

- Provides the strategic framework for environmental management of the Project.
- Provides general mechanisms for compliance with applicable policies, approvals, licences, permits, consultation agreements and legislation.
- Describes the environmental management related roles and responsibilities for key Project personnel.
- Sets objectives and targets for issues that are important to the environmental performance of the Project.
- Outlines a monitoring regime to check the adequacy of controls as they are implemented during construction and operation.

This EMS is the overarching document in the environmental management system for the Project that includes a number of management documents, described in Section 5. The EMS is applicable to all staff and sub-contractors associated with the construction of the Project.

The environmental safeguards outlined in the CoC, EIS, Submissions Report and Modification Report 1 have been incorporated into this document and associated sub-plans where relevant. The Project must be carried out generally in accordance with the EIS and the CoC, if there is any inconsistency between the documents the Conditions of the consent will prevail.

The proponent and the EPC must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, upgrading or decommissioning of the development.

1.4 The Project

1.4.1 Scope of works

The scope of works for the approved Project includes all works necessary to design, construct, test, commission, energise and train staff in the operation of the solar farm, as well as road upgrades identified in Appendix 4 of the CoC.

The scope of works for Stage One includes but is not limited to:

- Approximately 390,500 single axis tracker photovoltaic (PV) solar panels (up to 3 m high) and 38 inverter stations (up to 3.5 m high).
- A 1,050 m 132 kV underground transmission line along Ortlipp Road to TransGrid's 330/132kV Jindera substation.
- Connection configuration works at TransGrid's Jindera Substation.
- Electrical cables and conduits.
- Weather station.
- On-site high voltage substation.
- Control room and maintenance facilities (up to 3.5 m high).
- Site office, staff amenities, parking area and perimeter fencing, and CCTV.
- Internal access tracks.
- Access road entrances from public roads.
- Upgrade to existing roads.
- On-site vegetative screening, including earthen visual bunds.
- Other associated ancillary infrastructure.

The construction period of the solar farm is expected to take approximately 12-18 months from the commencement of site establishment work.

1.4.2 Project design and upgrades

In accordance with Schedule 2 Condition 7, the proponent must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the Building Code of Australia.

As per Schedule 2 Condition 5, the proponent may upgrade the solar panels and ancillary infrastructure on site provided these upgrades remain within the approved development footprint of the site. Prior to carrying out any such upgrades, the proponent must provide revised layout plans and Project details of the development to the Planning Secretary incorporating the proposed upgrades.

1.4.3 Subdivision

The proponent may subdivide the site as identified in Appendix C of the CoC and in accordance with the requirements of the EP&A Act and EP&A Regulation.

1.4.4 Site access

Three access points to the development site have been identified, along Urana Road and Walla Walla Jindera Road (Appendix B). These access points would be used during the construction and operation of the Project and would be suitable for all vehicles, including heavy and oversized vehicles.

Two additional emergency access points, located on Klinberg and Ortlipp Road, would be utilised. Klinberg Road for emergency purposes and Ortlipp Road for emergency access and limited maintenance purposes (Appendix B).

Prior to the commencement of construction, road upgrades would be undertaken in accordance with CoC Schedule 3 Condition 6 and will include:

- An upgrade to the intersection of the site access point and Urana Road, including a Channelised Right Turn CHR(s)/ Basic Left Turn (BAL), in accordance with required by Condition 6 of Schedule 3 to this consent.
- An upgrade to the intersections of the two site access points off Walla Walla Jindera Road (shown in, Appendix 5 Haulage Route – Map 1 including Basic Right Turn (BAL)/ Basic Left Turn (BAL) intersection treatments).
- Construction of approved site access points off Urana Road and Walla Walla Jindera Road (shown in Appendix A) with a Rural Property Access type treatment to cater for the largest vehicle accessing the site.

These upgrades must comply with the *Austroads Guide to Road Design 2021* (as amended by TfNSW supplements) and be carried out to the satisfaction of the relevant road authority.

1.4.5 Hours of work

Unless the Planning Secretary agrees otherwise, the Applicant may only undertake road upgrades, construction, upgrading or decommissioning activities between:

- (a) 7 am to 6 pm Monday to Friday;
- (b) 8 am to 1 pm Saturdays; and
- (c) at no time on Sundays and NSW public holidays.

The following construction, upgrading or decommissioning activities may be undertaken outside these hours without the approval of the Planning Secretary:

- The delivery of materials as requested by the NSW Police Force or other authorities for safety reasons; or
- Emergency work to avoid the loss of life, property and/or material harm to the environment.

1.4.6 Construction

This EMS covers construction activities as shown in Table 1-1.

Table 1-1 Construction Stage 1

Activity	Project phase	EMS relevance to activity
Dilapidation surveys, to assess the Condition of Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street and Walla Walla Jindera Road.	Pre-construction	Relevant
Road upgrades, including: - The intersection of the site access point and Urana Road, including a CHR(s)/ BAL; - The intersections of the two site access points off Walla Walla Jindera Road, including BAR/ BAL intersection treatments; and - The approved site access points off Urana Road and Walla Walla Jindera Road.	Prior to construction	Not relevant
Site establishment activities, including: - Perimeter fencing. - Use of existing temporary access points. - Slashing and/or removal of non-native vegetation. - Establishment of ancillary facilities (site compound, laydown areas etc.).	Prior to construction	Relevant
Construction activities, including: - Site establishment and preparation for construction - fencing, ground preparation, construction of the internal track system, upgrade of existing access points/intersections, preliminary civil works and drainage. - Installation of underground cabling (trenching) and installation of inverter stations. - Installation of PV panels. - Construction of control room, switch room and storage building. - Construction of the substation, underground transmission lines and grid connections works at the Transgrid substation. - Removal of temporary construction facilities and rehabilitation of disturbed areas. - Landscaping.	Construction	Relevant

1.4.7 Contracting structure

The Project will be delivered through the following contracts:

- Contract between the Proponent, Greater Hume Shire Council (GHSC) or a reputable civil works company for upgrades to:
 - The Intersection of the site access point and Urana Road, including a CHR(s)/BAL;
 - The Intersections of the two site access points off Walla Walla Jindera Road, including BAR/BAL Intersection treatments; and

- The approved site access points off Urana Road and Walla Walla Jindera Road;
- In accordance with CoC Schedule 3 Condition 4.
- Contract between the Proponent and TransGrid for connection to their 330/132kV Jindera substation.
- Contract between the Proponent and an Engineering, Procurement Contractor (EPC) for the remainder of the works, including the design and construction of the solar array (the EPC).
- Contract between the Proponent and an Engineering, Procurement Contractor (EPC) for the construction of the Battery Energy Storage System.

1.4.8 Operation

Operation activities for Stage 1 will include:

- Routine visual inspections, general maintenance and cleaning operations of the solar arrays as required.
- Routine visual inspections, general maintenance and cleaning operations of the substation.
- Vegetation management in accordance with the Bushfire Management Plan.
- Site security response (24 hr) if required.
- Site operational response (24 hr) if required.
- Replacement of equipment and infrastructure as required.
- Maintenance of landscaping and screening plantings as required.

The Applicant must maintain the agricultural land capability of the site, this will be undertaken through the implementation of the Groundcover Management Plan (Appendix E of the Biodiversity Management Plan) which includes:

- Establishing the ground cover of the site within 3 months following completion of any construction or upgrading.
- Properly maintaining the ground cover with appropriate perennial species and weed management.
- Maintaining grazing within the development footprint following construction, where practicable.

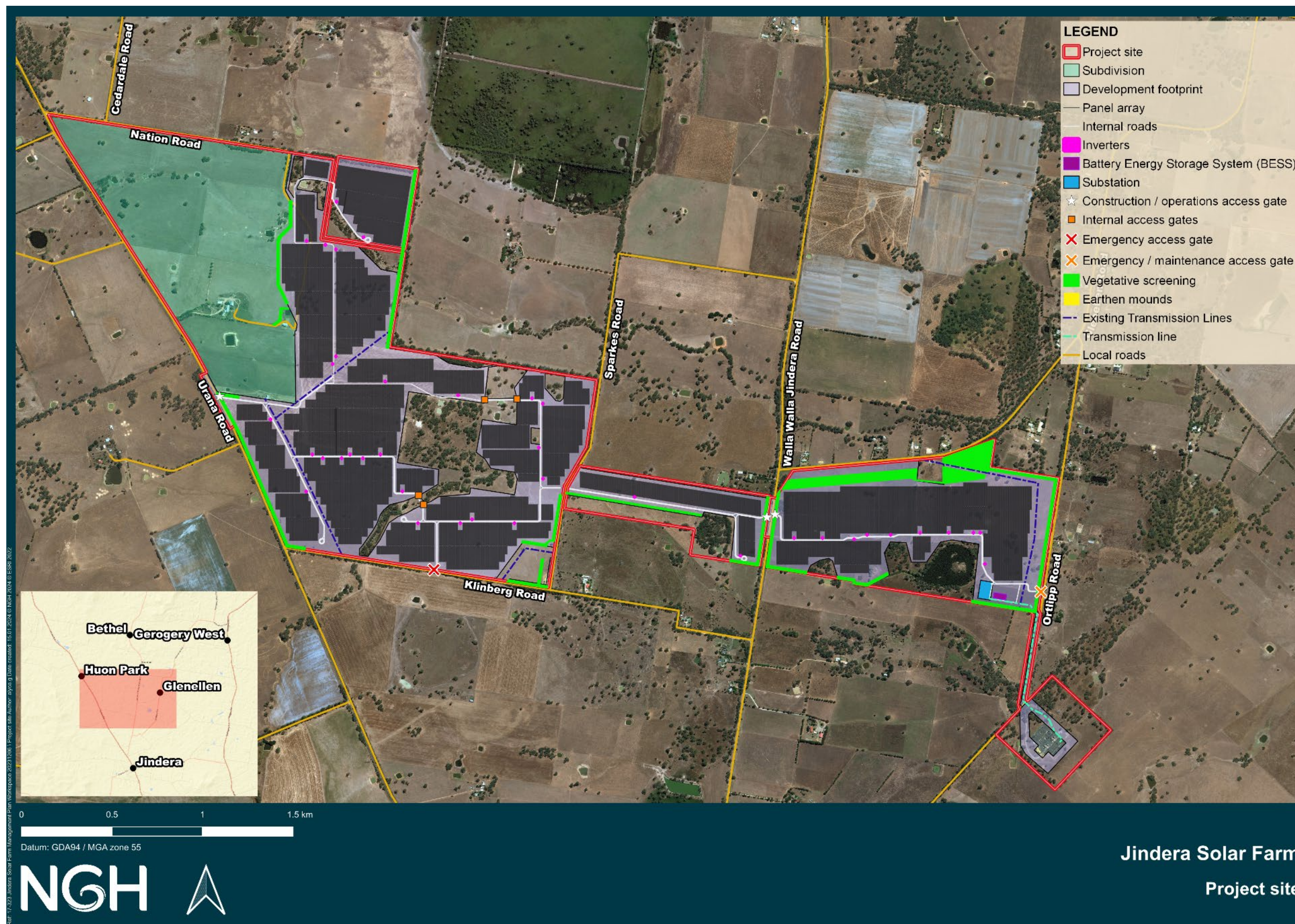


Figure 1-1 Infrastructure layout

1.5 Environmental management strategic framework

The Proponent or Engineering Procurement Contractors (EPC) will provide a full-time environmental site representative (which may form part of the Site Manager or HESQ Manager role) during construction. The Proponent will have a contract with an Owner's Engineer who will provide technical and compliance advice through construction.

All Engineering Procurement Contractors will have an environmental policy in place which will be adhered to during construction. The requirements of the CoC, EIS, Submissions Report and Modification 1 Report (Project Approvals) will be incorporated into the construction contracts such that each contractor is contractually bound to comply. Contractors will be contractually required to develop a Project specific Construction Environmental Management Plan (CEMP) detailing how they will comply with the EMS, Sub-plans and Project Approvals.

In the operational phase, the Project will be operated by the Proponent. TransGrid will operate and maintain its own substation.

Figure 1-2 below is a flow chart outlining this overall strategic framework for environmental management in delivering the proponent's scope for construction of the of works for the Project.



Figure 1-2 Strategic framework for environmental management.

1.6 Environmental & WHS policies

The environmental policy describes the proponent's commitment to manage its activities in such a way that reduces their environmental impact to a practical minimum.

The environmental policy is displayed at the site office and communicated to employees and other interested parties via inductions and ongoing awareness programs. A copy of the Proponent's Environmental Policy is provided in Appendix G.

The Work Health and Safety (WHS) policy describes the proponent's commitment to manage its activities in such a way to ensure a safe work site. A copy of the WHS Policy is provided in Appendix H.

1.7 Continual improvement

Management Reviews will be undertaken as part of the continual improvement process as described in Section 7.3. Following each Management Review, this EMS will be updated to incorporate any changes in relevant legislation or changes to Project infrastructure or management practices as the Project moves through operations and eventually decommissioning.

Continual improvement requires ongoing communication through multiple channels, as discussed in Section 7.

This plan will be updated to the satisfaction of the Planning Secretary prior to carrying out any upgrading or decommissioning activities on site.

This plan will be reviewed and if necessary, revised to the satisfaction of the Planning Secretary within 1 month of the:

- Submission of an incident report under Condition 7 of Schedule 4;
- Submission of an audit report under Condition 9 of Schedule 4; or
- Any modification to the Conditions of consent.

Prior to commencing construction, final layout plans of the development will be provided to the DPE, including details on the siting of solar panels and ancillary infrastructure.

2. Planning

2.1 Legislative and other environmental management requirements

A register of legal and other requirements for the Project is contained in Appendix C. This register is maintained as a checklist and will be reviewed at regular intervals (e.g. during management reviews and updated with any applicable changes). Any changes made to the register will be communicated to the Project team where necessary through toolbox talks, specific training and other methods detailed in Section 6.

2.2 Environmental objectives and targets

As a means of assessing environmental performance over the life of the Project, environmental objectives and targets have been established. These objectives and targets have been developed with consideration of key issues identified through the environmental assessment and risk assessment process. The objectives and targets are consistent with the Proponent's Environmental Policy and will assist in monitoring whether the commitments of the Environmental Policy are being met.

The targets are incorporated into relevant environmental management plans.

The performance of the Project against the objectives and targets will be documented in the Project construction compliance reports on a monthly basis (at a minimum) as part of the management review.

Environmental objectives and targets for the Project are provided in Table 2-1 below.

Table 2-1 Environmental objectives and targets.

Objective	Target	Measurement Tool
Construction of the Project in accordance with environmental approvals and relevant licences.	Compliance with all statutory approvals	Audits, inspections, construction compliance reporting, management review
Construction of the Project in accordance with approved environmental management plans	Compliance with EMS and Project management plans Compliance with relevant environmental procedures	Audits, site inspection reports and checklists, construction compliance reporting, management review
Compliance with all legal requirements	No regulatory infringements (penalty infringement notices or prosecutions) No formal regulatory warning	Audits, construction compliance reporting, management review
Implement a rigorous and comprehensive environmental management system that meets the requirements of AS/NZS ISO 14001	Address non-conformances and corrective actions within specific timeframes	Audits, management review
Engage with the affected and broader community, minimise	Disseminate monthly Project updates and other information	Review complaints register, construction compliance

Objective	Target	Measurement Tool
complaints and respond to any complaints within a suitable timeframe	through the Project website and other tools identified in the Project's Community Consultation Plan (CCP). Record and respond to complaints in accordance with timeframes specified in the CCP.	report, audits
Continuously improve environmental performance	Develop and implement a program of ongoing environmental training. Capture lessons learnt from environmental incidents to minimise repeat issues. Encourage and reward innovation and effort throughout the workforce.	Construction compliance report, management review, audits

2.3 Conditions of consent

The CoC relevant to this EMS are outlined in Table 2-2 below. The full list of CoC for the Project are identified in Appendix A, along with where the Conditions have been addressed.

Table 2-2 Conditions relevant to the EMS

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Environmental Management Strategy			
<i>Schedule 4 - Condition 1</i> Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy (EMS) for the development to the satisfaction of the Planning Secretary. This EMS must: a) provide the strategic framework for environmental management of the development. b) identify the statutory approvals that apply to the development. c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development. d) describe the procedures that would be implemented to:	EMS	Pre-construction	Proponent to prepare the EMS. EPC to provide input to the EMS and sub-plans

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
- keep the local community and relevant agencies informed about the operation and environmental performance of the development. - receive, handle, respond to, and record complaints. - resolve any disputes that may arise. - respond to any non-compliance. - respond to emergencies. e) include: - references to any plans approved under the Conditions of this consent. - a clear plan depicting all the monitoring to be carried out in relation to the development. Following the Planning Secretary's approval, the Applicant must implement the EMS.			
Revision of Strategies, Plans and Programs			
<i>Schedule 4 - Condition 2</i> The Applicant must: a) update the strategies, plans or programs required under this consent to the satisfaction of the Planning Secretary prior to carrying out any upgrading or decommissioning activities on site. b) review and, if necessary, revise the strategies, plans or programs required under this consent to the satisfaction of the Planning Secretary within 1 month of the: - submission of an incident report under Condition 7 of Schedule 4. - submission of an audit report under Condition 9 of Schedule 4. - any modification to the Conditions of this consent.	EMS Section 7.3	Construction Operation	Proponent EPC
Updating and Staging of Strategies, Plans or Programs			
<i>Schedule 4 - Condition 3</i> With the approval of the Planning Secretary, the Applicant may submit any strategy, plan or program	EMS Section 7.3	Construction Operation	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
required by this consent on a progressive basis. To ensure the strategies, plans or programs under the Conditions of this consent are updated on a regular basis, the Applicant may at any time submit revised strategies, plans or programs to the Planning Secretary for approval. With the agreement of the Planning Secretary, the Applicant may prepare any revised strategy, plan or program without undertaking consultation with all the parties referred to under the relevant Condition of this consent. Notes: • While any strategy, plan or program may be submitted on a progressive basis, the Applicant must ensure that all development being carried out on site is covered by suitable strategies, plans or programs at all times. • If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.			
Notification of Department			
Schedule 4 - Condition 4 Prior to commencing the road upgrades, construction, operations, upgrading or decommissioning of the development or the cessation of operations, the Applicant must notify the Department in writing via the Major Projects website of the date of commencement, or cessation, of the relevant phase. If any of these phases of the development are to be staged, then the Applicant must notify the Department in writing prior to commencing the relevant stage, and clearly identify the development that would be carried out during the relevant stage.	EMS Section 7.4	Pre-construction Construction Operation Decommissioning	Proponent EPC
Final Layout Plans			
Schedule 4 - Condition 5 Prior to commencing construction, the Applicant must submit detailed plans of the final layout of the development to the Department via the Major Projects website, including details on the siting of solar panels and ancillary infrastructure.	Detailed Final Layout Plans	Pre-construction Construction	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Work as Executed Plans			
<i>Schedule 4 - Condition 6</i> Prior to commencing operations or following the upgrades of any solar panels or ancillary infrastructure, the Applicant must submit work as executed plans of the development to the Department via the Major Projects website.	Final Design plans	Operation	Proponent
Incident Notification			
<i>Schedule 4 - Condition 7</i> The Department must be notified via the Major Projects website immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one), and set out the location and nature of the incident.	EMS Section 7.4 and 10.2 Appendix I	Pre-construction Construction Operation Decommissioning	Proponent
Non-compliance Notification			
<i>Schedule 4 - Condition 8</i> The Department must be notified in writing via the Major Projects website within 7 days after the Applicant becomes aware of any non-compliance with the Conditions of this consent. The notification must identify the development and the application number for it, set out the Condition of consent that the development is noncompliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been done, or will be, undertaken to address the non-compliance.	EMS Section 7.4 and 11.3	Pre-construction Construction Operation Decommissioning	Pre-construction Construction
Independent Environmental Audit			
<i>Schedule 4 - Condition 9</i> The Applicant must commission and pay the full cost of Independent Environmental Audits of the development. The audits must: a) be prepared in accordance with the relevant <i>Independent Audit Post Approval Requirements</i> (Department, 2020) (or equivalent); b) be led and conducted by a suitably qualified, experienced and independent expert(s) whose appointment has been endorsed by the	EMS Section 11.1	Construction Operation	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Planning Secretary; c) be prepared, unless otherwise agreed by the Planning Secretary: i) within 3 months of commencing construction; ii) within 3 months of commencement of operations; and iii) as directed by the Planning Secretary; d) be carried out in consultation with the relevant agencies; e) assess whether the development complies with the relevant requirements in this consent, and any strategy, plan or program required under this consent; and f) recommend appropriate measures or actions to improve the environmental performance of the development and any strategy, plan or program required under this consent. Within 3 months of commencing an Independent Environmental Audit, or unless otherwise agreed by the Planning Secretary, a copy of the audit report must be submitted to the Planning Secretary, and any other NSW agency that requests it, together with a response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations of the Independent Environmental Audit must be implemented to the satisfaction of the Planning Secretary.			
<i>Schedule 4 - Condition 10</i> Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the commencement of an Independent Audit.	EMS Section 11.1	Construction Operation	Proponent
<i>Schedule 4 - Condition 11</i> The Planning Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified in Condition 9 of Schedule 4 upon giving at least 4 weeks' notice to the Applicant of the date upon which the audit must be commenced.	EMS Section 11.1	Construction Operation	Proponent
<i>Schedule 4 - Condition 12</i>	EMS Section 11.1	Construction Operation	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020), the Applicant must: a) review and respond to each Independent Audit Report prepared under Condition 9 of Schedule 4 of this consent, or Condition 11 of Schedule 4 where notice is given by the Planning Secretary; b) submit the response to the Planning Secretary; and c) make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Planning Secretary, unless otherwise agreed by the Planning Secretary.			
<i>Schedule 4 - Condition 13</i> Independent Audit Reports and the Applicant's response to audit findings must be submitted to the Planning Secretary within 2 months of undertaking the independent audit site inspection as outlined in the Independent Audit Post Approvals Requirements (2020) unless otherwise agreed by the Planning Secretary.	EMS Section 11.1	Construction Operation	Proponent
<i>Schedule 4 - Condition 14</i> Notwithstanding the requirements of the Independent Audit Post Approvals Requirements (2020), the Planning Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that independent operational audits have demonstrated operational compliance.	EMS Section 11.1	Operation	Proponent
Access to Information			
<i>Schedule 4 - Condition 15</i> The Applicant must: a) make the following information publicly available on its website as relevant to the stage of the development: • the EIS; • the final layout plans for the development; • current statutory approvals for the development; • approved strategies, plans or programs	EMS Section 9.2	Pre-construction Construction Operation Decommissioning	Pre-construction Construction

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
required under the Conditions of this consent; - the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged; - how complaints about the development can be made; - a complaints register; - compliance reports; - any independent environmental audit, and the Applicant's response to the recommendations in any audit; and - any other matter required by the Planning Secretary; and b) keep this information up to date.			

3. Risk management

3.1 Identification of environmental hazards and risks

The management of environmental impacts during construction would follow a risk-based approach to determine the severity and likelihood of an activity's impact on the environment and to prioritise its significance. Some environmental risk can occur as a result of activity off the site, e.g. Bushfire and this is addressed in the EMP. This process considers potential regulatory and legal risks also taking into consideration the concerns of community and other stakeholders.

Risk assessments are undertaken at various stages of construction and documented in management plans, work method statements (WMS) and other Project documents. The objectives of these risk assessments are to:

- Identify activities, events or outcomes that have the potential to adversely affect the local environment and/or human health/property.
- Qualitatively evaluate and categorise each risk item.
- Assess whether risks can be managed by environmental protection measures.
- Qualitatively evaluate residual risk with implementation of measures.

Risk assessments for the Project are based on AS/NZS 4360:1999, the Australian Standard for risk assessments.

The following actions will be undertaken to meet the objectives of the risk assessments associated with the Project:

- Hold a risk assessment workshop prior to construction.
- Review outcomes of risk assessments of the workshop quarterly.
- Review outcomes of risk assessment for major work stages of construction.
- Hold an operations risk assessment workshop prior to commissioning.
- Review outcomes of risk assessments annually throughout the Project's operational phase.
- Hold a risk assessment workshop prior to decommissioning.
- Review outcomes of risk assessment for major work stages of decommissioning.

4. Implementation and operation

4.1 Structure and responsibility

Figure 4-1 below is a flow chart outlining the overall hierarchy of teams responsible for the construction of the Project.



Figure 4-1 Hierarchy of teams responsible for the Project.

The Proponent will ensure construction contractors develop a Project-specific CEMP detailing how they will comply with the EMS and Project Approvals.

Roles and responsibilities required for the environmental management of the Project are identified and described in Table 4-1. These responsibilities will be included in the contract between the Proponent and the relevant contractor.

Contractors shall ensure specific responsibilities are communicated to all personnel via appropriate environmental management training (part of the initial safety and environment induction).

4.1.1 Environmental Management Team

Table 4-1 Project team roles and responsibilities

Role	Responsibility	Authority
EPC Contractor Project Manager	- Ensure resources are made available to enable works to comply with EMS and other environmental management requirements. - Ensure that all procedures are followed adequately.	- Order Stop-work for an activity that may cause material or environmental harm. - Release of environmental hold points, if required.

Role	Responsibility	Authority
	• Ensure appropriate approvals and licences are held. • Ensure all staff and contractors are aware of environmental compliance requirements and environmental controls. • Responsible for reporting incidents and non-compliance with the Conditions of consent.	
EPC Contractor Health, Safety, Environment and Quality Manager (HSEQ)	• Maintaining all environmental management documents. • Identifying where environmental measures are not meeting the targets and where improvements can be achieved. • Monitoring and reporting environmental compliance. • Reviewing Project environmental documents. • Reporting of pollution incidents.	• Recommend Stop-work for an activity that may cause material or environmental harm. • Release of environmental hold points, if required.
EPC Contractor Site Manager	• Responsible for the implementation of environmental management plans. • Responsible for the induction of staff and contractors. • Responsible for all aspects of the worksite including the coordination and management of all staff and subcontractors. • Undertake routine environmental site inspection. • Maintaining environmental records. • Receiving plant, materials and chemicals and ensuring all items are appropriately stored. • Responsible for addressing corrective actions arising from environmental inspections.	• Order Stop-work if any items in the CEMP are in danger of breach. • Approve and accept waste disposal methods requested by staff or subcontractors. • Approve minor changes to environmental sub-plans, including Erosion and Sediment Control Plans (ESCP).
External Environmental Representative/ Proponent Project Manager	• Review of this EMS in consultation with the contractors. • Carrying out inspections, monitoring each Condition and reporting any findings. • Assessing the development for compliance with the Project Approvals and Environmental	• Report any compliance issues to Contractor and Proponent. • Liaising with relevant agencies and authorities where required by legislation.

Role	Responsibility	Authority
	Management Plans.	
Proponent Staff: • JSF Project Manager • JSF Site Representative • JSF Senior Management • JSF Owners Engineer	• Ensure contractors are working in accordance with the requirements of the EMS, as required under the construction contract. • Undertake site visits during construction to monitor compliance with EMS requirements. • Report and raise any issues that arise that may have an environmental impact. • Report and raise the discovery of any artefacts, Aboriginal relics or places and cease work until the matter has been addressed.	• Report any issues that may have the potential to cause material or environmental harm. • Report any incidents or near-misses that may impact on the environment or breach Conditions set-out in this EMS.
Subcontractors	• Operate as instructed by the EPC Contractor Site Manager in compliance with all environmental requirements. • Environmental subcontractors (e.g. Ecologist, Archaeologist)	• EPC Contractor Site Manager

4.1.2 Project organisational chart

The organisational chart for construction of the Project is provided below in Figure 4-2.

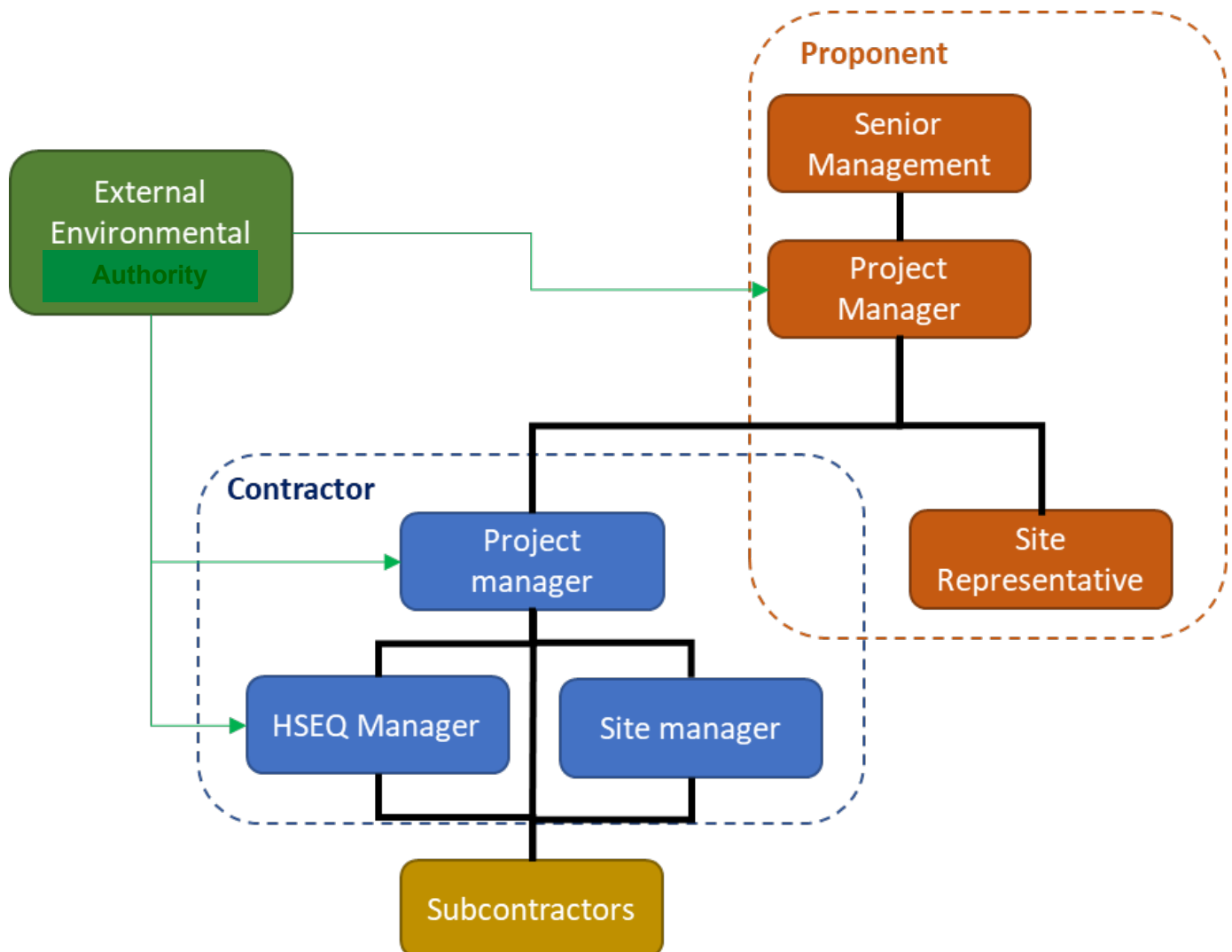


Figure 4-2 Project organisational chart

5. Environmental plans

The CoCs require a number of environmental plans to be prepared with specific consultation and approval requirements as listed in Table 5-1.

A number of supplementary plans, sub-plans and strategies will be prepared to ensure the commitments of the Project Approvals and this EMS are achieved as listed in Table 5-2. A number of these will be prepared by the contractors as part of their Project specific CEMP once they have been engaged on the Project. Such plans, sub-plans and strategies will be prepared in accordance with this EMS (including guidance within the following sub-Sections of Section 5).

Table 5-1 Environmental management plans required by CoCs

Document name	Document identifier	Approval requirement	Timing
Traffic Management Plan	TMP	Prepare in consultation with TfNSW and Council, and to the satisfaction of the Planning Secretary.	Stage 1
Biodiversity Management Plan	BMP	Prepare in consultation with BCD and to the satisfaction of the Planning Secretary.	Stage 1
Heritage Management Plan	HMP	Consultation with Heritage NSW and Aboriginal Stakeholders, and to the satisfaction of the Planning Secretary.	Stage 1
Landscaping Plan	LP	Consultation with Council and residences R01, R09, R10, R11, R16, R17, R18, R19, R20 and R34 landowners, and to the satisfaction of the Planning Secretary.	Stage 1
Fire Safety Study	FSS	Prepare in consultation with FRNSW and RFS, and to the satisfaction of the Planning Secretary.	Stage 2
Emergency Plan	EP	Prepare to satisfaction of FRNSW and NSW RFS including outcomes of the fire safety study (Stage 2).	Stage 1

Table 5-2 Sub-plans and strategies required

Document name	Document identifier	Relationship to other plans	Approval requirement	Timing
Accommodation	AES	Proponent to	Prepare in consultation	Stage 1

Document name	Document identifier	Relationship to other plans	Approval requirement	Timing
and Employment Strategy		develop prior to construction	with Council, and to the satisfaction of the Planning Secretary	
Haulage Plan	HP	Part of TMP	Prepare in consultation with Council	Stage 1
Road Dilapidation Report	RDR	Part of TMP	Prepare in consultation with Council	Stage 1
Workforce Transport Plan	WTP	Part of TMP	Prepare in consultation with Council	Stage 1
Groundcover Management Plan	GMP	Part of BMP	Prepare in consultation with BCD	Stage 1
Squirrel Glider Management Plan	SGMP	Part of BMP	Prepare in consultation with BCD	Stage 1
Pest and Weed Management Plan	PWMP	Part of BMP	Prepare in consultation with BCD	Stage 1
Landscaping Plan	LP	Contractors to include in CEMP	Prepare in consultation with Council	Stage 1
Flood Response Plan	FRP	Contractors to include in CEMP	Prepare in consultation with Fire and Rescue NSW and NSW Rural Fire Service	Stage 1
Spill and Contamination Response Plan	SCRP	Contractors to include in CEMP	Internal Proponent approval	Stage 1
Surface Water Management Plan	SWMP	Contractors to include in CEMP	Internal Proponent approval	Stage 1
Erosion and Sediment Control Plans	ESCP	Contractors to include in CEMP	Internal Proponent approval	Stage 1
Waste Management Plan	WMP	Contractors to include in CEMP	Prepare in consultation with Council. Internal Proponent approval	Stage 1
Bushfire Management Plan	BFMP	Contractors to include in CEMP	Prepare to in consultation with FRNSW and NSW RFS	Stage 1
Noise Management Plan	NMP	Contractors to include in CEMP	Internal Proponent approval	Stage 1
Decommissioning	DRP	Proponent to	Internal Proponent	Stage 2

Document name	Document identifier	Relationship to other plans	Approval requirement	Timing
Rehabilitation Plan		develop prior to decommissioning	approval	
Community Consultation Plan	CPP	Proponent to develop prior to construction	Internal Proponent approval	Stage 1

5.1 Soil and water quality management

A Soil and Water Management Plan (SWMP), with accompanying Erosion and Sediment Control Plans (ESCPs), will be prepared by a suitably qualified person and will be reviewed by the Proponent prior to implementation. ESCPs will be prepared progressively and for all stages of the Project.

The SWMP will outline how dust will be managed and minimised during construction and operation of the Project.

5.1.1 Erosion and sediment control

The ESCPs will be prepared in accordance with *Managing Urban Stormwater - Soils and Construction Vols 1 and 2, 4th Edition* (Landcom, 2004) and the NSW Department of Water *Controlled Activities Guidelines*. The ESCPs would generally contain the following, as relevant to the local conditions and work stage:

- a) Method of tree removal, leaving groundcover undisturbed.
- b) Erosion and sediment control measures required before clearing and grubbing of the site.
- c) Appropriate controls before the removal of topsoil and commencement of earthworks for the formation within the catchment area of each structure.
- d) How upstream 'clean' water will be managed and diverted around disturbed areas, so they are not polluted by potential 'dirty' or sediment-laden water resulting from the construction activities.
- e) Scour protection measures for haul roads and access tracks when these are an erosion hazard due to either their steepness, soil erodibility or potential for concentrating runoff flow.
- f) The methods for stabilising disturbed areas and temporary drains.
- g) The methods to minimise erosion during construction of embankments.
- h) The methods to minimise and monitor tunnel erosion that may occur underneath the solar arrays.
- i) The methods of constructing batters to assist retention of topsoil on the batter slopes.
- j) Temporary sediment trapping measures in median areas at regular intervals.
- k) The methods of maintenance of erosion and sediment controls.
- l) The details of the inspection and maintenance program for all erosion and sediment controls to ensure that no disturbed area is left without adequate means for containment and treatment of contaminated soil.
- m) Measures to minimise erosion and control sedimentation from stockpiles.

- n) Methods for managing any spills that may occur during construction.
- o) Additional controls to be implemented during heavy rainfall events.

The ESCPs will include:

A marked-up site plan including:

- a) Areas not to be disturbed (no-go zones).
- b) Temporary work areas.
- c) Access and haulage tracks.
- d) Stockpile and storage areas.
- e) Compound areas.
- f) Location, number and type of each erosion and sediment control with example figures.
- g) Notes and instructions of key management practices.
- h) A legend.
- i) A detailed set of instructions for the contractor/sub-contractors, including:
 - The order of installation of the various controls.
 - Sizing and design of sediment basin(s) and diversion(s) if required.
 - Instructions for inspecting the site regularly.
 - Instructions for the maintenance of all controls.
 - Instructions for stabilising and revegetating at various points during the works.
 - Any special requirements during certain higher-risk months.
 - Instructions for topsoil management.

The ESCPs will also show the construction boundaries and exclusion zones in addition to any other activities that may impact water quality. ESCPs will be updated progressively to reflect changes on site.

5.1.2 Water use and supply

Water consumption during construction will be mainly for dust suppression on unsealed roads and laydown areas within the development footprint. It is estimated that about 30 ML of non-potable water would be required during construction. Construction water will be purchased (per kilolitre) from a standpipe operated by Greater Hume Shire Council, then trucked to the site.

During construction the EPC Contractor will ensure that sufficient water for firefighting (minimum 20,000 L water supply tank fitted with a 65 mm Storz fitting and a FRNSW compatible suction connection) is stored in water tanks located on site adjacent to the internal access road. The Proponent intends to locate three 40,000L water supply tank fitted with a 65 mm Storz fittings at key access points for the Project.

During operations, water for panel washing and other maintenance activities would similarly be sourced from the available standpipes. It is expected 1.2 ML of water would be required each year.

Further details on water use will be detailed in the SWMP.

5.2 Visual

A detailed Landscaping Plan has been prepared in consultation with Council, and to the satisfaction of the Planning Secretary in accordance with Schedule 3, Condition 11. The Landscaping Plan includes:

- (a) A description of measures that would be implemented to ensure that the vegetated buffers achieve the objectives of Schedule 3, Condition 10 (a) – (e);
- (b) A program to monitor and report on the effectiveness of these measures; and
- (c) details of who would be responsible for monitoring, reviewing and implementing the plan, and timeframes for the completion of actions.

Jindera Solar Farm is expected to have a low to high visual impact due to variations in topography and existing tree cover. Two involved and 23 uninvolved residences reside within 1 km of the Project. Mitigation measures including vegetation screening, temporary shade cloth screening and earthen bunds/mounds have been incorporated into the Project design. The following additional mitigations will be implemented where practical:

- (a) Minimise the off-site visual impacts of the development, including the potential for any glare or reflection;
- (b) Ensure the visual appearance of all ancillary infrastructure (including paint colours) blends in as far as possible with the surrounding landscape; and
- (c) Not mount any advertising signs or logos on site, except where this is required for identification or safety purposes.

External (night) lighting for the Project would be minimised to the maximum extent possible (i.e. manually operated safety lighting at main component locations). Some security lighting would be provided at critical locations around the perimeter of the site and would only be activated when the automatic security system senses movement. Temporary lighting for road upgrades may be required should night works be deemed necessary for safety reasons.

All lighting would be in accordance with *Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting* and would be installed to ensure lighting does not shine above the horizontal and operates at a low intensity except where required for safety or emergency purposes.

5.3 Spill prevention and response

Contractors will include a Spill and Contamination Response Plan (SCRIP) as part of their CEMPs.

All chemicals, fuels and oils on site will be stored and handled in accordance with Australian Standards and the NSW EPA's *Storing and Handling of Liquids: Environmental Protection – Participants Manual* (DECC, 2007).

Further details on storage and handling of dangerous goods are detailed in the EP and will be detailed in the SWMP.

A template Spill Response Procedure is including in Appendix F which may be adopted by contractors.

Reporting and incident management is further detailed in Section Appendix I.

5.4 Emergency response and fire safety

Prior to commencing construction of the solar farm and commissioning of the battery storage facility, the proponent and EPC will prepare an Emergency Plan (EP) to address key risks. The EP will adopt, in general the key risks from the Greater Hume Local Emergency Management Plan and included hazards specific to the Project. Contractors will include comprehensive plans for responding to emergencies in line with the EP. Contractor plans will be within their CEMPs for their works, including but not limited to a Flood Response Plan (FRP) and Spill and Contamination Response Plan (SCRP). Plans will be prepared in consultation with FRNSW and RFS as relevant and will:

- a) Describe relevant fire risks, controls, and emergency procedures for the Project.
- b) Describe the fire and emergency related roles and responsibilities of all key personnel involved.
- c) Describe the response procedure in the event of flooding.
- d) Identify site evacuation points.
- e) Notification procedures per Section 10 of this EMS.
- f) State objectives and targets for issues that are important to the environmental performance of the Project.
- g) Outline a monitoring regime to check the adequacy of controls as they are implemented during construction.

5.4.1 Emergency Plan for commissioning

A comprehensive EP consistent with Schedule 3 Condition 30 has been developed. This has been prepared in consultation with Fire and Rescue NSW and Rural Fire Service (RFS) and to the satisfaction of the Planning Secretary. The emergency plan for commissioning:

- a) Is consistent with the Department's Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning' and RFS's Planning for Bushfire Protection 2019 (or equivalent);
- b) Identify the fire risks and hazards and detailed measures for the development to prevent or mitigate fires igniting;
- c) Lists work that should not be carried out during a total fire ban;
- d) Includes availability of fire suppression equipment, access and water;
- e) Includes procedures for the storage and maintenance of any flammable materials;
- f) Detail access provisions for emergency vehicles and contact details for both a primary and alternative site contact who may be reached 24/7 in the event of an emergency;
- g) Includes a figure showing site infrastructure, Asset Protection Zone and the fire fighting water supply tank;
- h) Includes location of hazards (physical, chemical and electrical) that may impact on fire fighting operations and procedures to manage identified hazards during fire fighting operations;
- i) Includes details of the location, management and maintenance of the Asset Protection Zone and who is responsible for the maintenance and management of the Asset Protection Zone;
- j) Includes bushfire emergency management planning; and

- k) Includes details of the how RFS would be notified, and procedures that would be implemented, in the event that:
 - there is a fire on-site or in the vicinity of the site;
 - there are any activities on site that would have the potential to ignite surrounding vegetation; or
 - there are any activities to be carried out during bushfire danger period.
- l) Offer representatives of the local RFS brigade an opportunity to undertake a site familiarisation following construction of the development, and prior to commencing operations.

5.4.2 Fire Safety Study

Prior to commencing commissioning of the battery storage facility (Stage 2), the EPC Contractor will prepare a Fire Safety Study (FSS) for the development. The FSS will be in consultation with FRNSW and the RFS and be consistent with Schedule 3 Condition 27. The FSS will be submitted to the Secretary for approval.

The FSS will develop protocols for battery storage, maintenance, and incident response to mitigate lithium-ion fire risks as well as providing advice on the design of the battery storage facility to address fire risks per the EIS.

5.4.3 Bushfire Management Plan

A Bushfire Management Plan (BFMP) and Emergency Services Information Package (ESIP) is incorporated into the EMP. It has been prepared in consultation with the NSW RFS District Fire Control Centre. The BFMP includes:

- a) 24/7 contact details including alternative telephone contact.
- b) Site infrastructure plan.
- c) Site access and internal road plan.
- d) Construction of asset protection zones and their continued maintenance.
- e) Location of hazards (physical, chemical, and electrical) that will impact on firefighting operations and procedures to manage identified hazards during firefighting operations.
- f) Such additional matters as required by the NSW RFS District Office (EP review and update).

5.5 Noise control

A Noise Management Plan will be developed by the EPC Contractor for inclusion in their CEMP.

In accordance with the *Interim Construction Noise Guideline* (ICNG) (DECC, 2009), noise generated by any construction, upgrading or decommissioning activities on site will be minimised in accordance with the best practice requirements (Section 6 of the guideline).

This will be done through the following steps:

1. Identify work practices expected to generate high levels of noise.
2. Select the feasible and reasonable work practices relevant to the scenario from Section 6 of the (ICNG).
3. Apply the applicable work practices.

Additionally in accordance with Schedule 2 Condition The proponent and EPC must ensure that all plant and equipment used on site, or in connection with the development, is:

- Maintained in a proper and efficient condition.
- Operated in a proper and efficient manner.

The proponent must appoint a neighbourhood liaison officer to liaise with receivers on construction noise levels and to consult with receivers regarding its construction schedule.

5.6 Biodiversity

A Biodiversity Management Plan (BMP) has been developed in consultation with BCD and to the satisfaction of the Planning Secretary in accordance with Schedule 3, Condition 15 of the CoC. The BMP includes a description of management measures to protect biodiversity connected with the Project and outline roles and responsibilities for implementation. It also includes a ground cover management plan to assist with maintaining the agricultural land capability of the site.

The proponent must not clear any native vegetation or fauna habitat located outside the approved disturbance areas described in the EIS.

5.6.1 Biodiversity offsets

Prior to commencing construction, the proponent must retire biodiversity credits of a number and class specified in the tables below, unless the Planning Secretary agrees otherwise in writing.

The retirement of these credits must be carried out in accordance with the NSW Biodiversity Offsets Scheme and can be achieved by:

- Acquiring or retiring 'biodiversity credits' within the meaning of the *Biodiversity Conservation Act 2016*.
- Making payments into an offset fund that has been developed by the NSW Government.
- Funding a biodiversity conservation action that benefits the entity impacted and is listed in the ancillary rules of the biodiversity offset scheme.

Ecosystem Credit Requirements

Vegetation Community	PCT ID	Credits Required
Blakely's Red Gum – Yellow Box Grassy tall woodland of the NSW South Western Slopes Bioregion.	277	216
Blakely's Red Gum – Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion – Paddock Trees.		27
River Red Gum – wallaby grass tall woodland wetland on the outer River Red Gum zone mainly in the Riverina Bioregion.	9	33

Species Credit Requirements

Vegetation Community	Credits Required
Squirrel Glider (<i>Petaurus norfolcensis</i>)	72
Eastern Pygmy Possum (<i>Cercartus nanus</i>)	52

Vegetation Community	Credits Required
Small Scurf Pea (<i>Cullen parvum</i>)	96
Silky Swainson-pea (<i>Swainsona sericea</i>)	49
Small Purple-pea (<i>Swainsona recta</i>)	49

5.7 Aboriginal heritage

A Heritage Management Plan (HMP) has been developed in consultation with Heritage NSW and Aboriginal stakeholders and to the satisfaction of the Planning Secretary in accordance with Schedule 3, Condition 23. The HMP includes a description of management measures to protect Aboriginal heritage connected with the Project and outline roles and responsibilities for implementation.

5.8 Historic heritage

Historic heritage items refer to items listed under the Australian Heritage Database, NSW Heritage Register and Environmental Heritage Items listed under the Greater Hume Local Environmental Plan (2012). No historical heritage items relevant to the development site have been identified.

5.9 Traffic management

A Traffic Management Plan (TMP) has been developed in consultation with TfNSW and to the satisfaction of the Planning Secretary in accordance with Schedule 3, Condition 9. The TMP includes a description of traffic management measures to protect local road networks connected with the Project and outlines roles and responsibilities for implementation.

5.10 Waste management

A Waste Management Plan (WMP) will be developed prior to the commencement of construction and will be included in the CEMP. The WMP will address the requirements of Schedule 3, Condition 31 including:

- Minimise the waste generated by the development.
- Classify all waste generated on site in accordance with the EPA's Waste Classification Guidelines 2014 (or its latest version).
- Store and handle all waste on site in accordance with its classification.
- Not receive or dispose of any waste on site.
- Remove all waste from the site as soon as practicable, and ensure it is reused, recycled or sent to an appropriately licensed waste facility for disposal.

5.11 Site restoration

The site will be rehabilitated within 18 months of the cessation of operations. This process will be detailed in the Decommissioning and Rehabilitation Plan (DRP) which will be prepared within 3 years of the commencement of operation.

6. Training, awareness and competence

To ensure that the EMS is effectively implemented, each level of management is responsible for ensuring that all personnel reporting to them are aware of the requirements of this EMS. The HSEQ Manager (or equivalent) will coordinate the environmental training in conjunction with other training and development activities (e.g. online induction, toolbox meetings, noticeboard updates).

6.1 Environmental induction

Prior to working on site all personnel and sub-contractors will undertake a site-specific induction covering environmental aspects (this may be an online induction) specific to the Project. This is done to ensure all personnel involved in the Project are aware of the requirements of the EMS, and to ensure environmental management measures are implemented.

Short-term visitors to site for purposes such as deliveries may not be required to undertake the full site-specific induction, provided they are accompanied by inducted personnel at all times.

The HSEQ Manager will conduct/update the environmental component of the site inductions.

The environmental induction will address a range of issues including, but not limited to:

- a) Purpose and objectives of EMS.
- b) Requirements of due diligence and duty of care.
- c) Roles and responsibilities.
- d) Typical Project environmental hazards and risks, including:
 - No go and exclusion zones.
 - Location of sensitive environmental areas.
 - Threatened species or Aboriginal heritage items that could potentially occur onsite.
 - Community sensitivities.
- e) Environmental emergency and incident procedures and locations of emergency spill kits.
- f) Management and reporting process for environmental incidents.

A record of all environment inductions will be maintained and kept on site.

The HSEQ Manager (or equivalent) will review and approve the induction program and monitor implementation.

6.2 Toolbox talks, training and awareness

Toolbox talks will be one method used to raise awareness and inform personnel of issues related to environmental risks. Discussion of environmental issues will be a standard agenda item on all toolbox talks. From time to time, specific topics will be selected for more detailed discussion. Toolbox talks will be prepared and delivered by the Site Manager. A register of toolbox talks will be kept on site and maintained by the HSEQ Manager (or equivalent).

Typical environmental topics discussed at toolbox talks include:

- a) Vegetation clearing and vegetation exclusion zones.
- b) Erosion and sedimentation management.
- c) Noise, vibration, and air quality management.
- d) Management of identified unexpected threatened species or heritage items.

- e) Pest and weed management.
- f) Emergency procedures.

6.3 Environmental awareness training

In addition to inductions and toolbox talks, select employees and sub-contractors may be provided with additional environmental awareness training. Formal qualifications for specialist staff may be required in relation to activities such as animal handling and the design of ESCPs.

Targeted environmental awareness training will be provided to individuals or groups of workers with a specific authority or responsibility for environmental management or those undertaking an activity with a high risk of environmental impact.

This training may be delivered by external providers or by the HSEQ Manager (or equivalent). Daily pre-start meetings will occur during construction. The pre-start meeting is a tool for informing the workforce of the day's activities. Safe work practices, environmental protection practices, work area restrictions, activities that may affect the works, coordination with other trades, hazards and other information that may be relevant to the day's work are discussed.

The Site Manager will conduct a daily pre-start meeting with the site workforce before the commencement of work each day (or shift) or where changes occur during a shift. Daily pre-start meetings are generally succinct and will take approximately 10-15 minutes.

The environmental component of pre-starts will be determined by the contractor Project Manager/Site Manager and will include any environmental issues that could potentially be impacted by, or impact on, the day's activities. All attendees will be required to sign on to the pre-start and acknowledge their understanding of the issues explained.

7. Communication

7.1 Internal communication during construction

Clear lines of communication through all levels and functions (e.g. management, staff and sub-contractors), is key to minimise environmental impacts and achieving continual improvements in environmental performance.

7.1.1 Daily onsite communication

The HSEQ Manager (or equivalent), Site Manager and relevant Project staff will meet daily during construction to discuss any issues with environmental management onsite, any amendments to plans that may be required or any new/changes to construction activities.

7.1.2 Fortnightly environmental inspections

Fortnightly environmental inspections will be completed by the HSEQ Manager (or equivalent) and relevant Project staff. The purpose of these inspections is to communicate ongoing environmental performance and to identify any issues to be addressed.

7.1.3 Monthly Project review meetings

Monthly Project review meetings will be attended by the Proponent, the EPC Contractor and any other significant parties. The meetings will discuss the progress of the Project and will review significant environmental risks.

7.2 Internal communication during operation

During operation, two or three full time equivalent (FTE) employees may be present at the site on a regular basis. Environmental inspections of the Project site will be carried out in accordance with this EMS and the Operational Environmental Management Plan (OEMP). All environmental documents will be periodically reviewed for the life of the Project.

7.3 Management review

A Management Review of the EMS and associate Project MPs will be completed at least once during the construction phase and every three years during operation. This will involve the HSEQ Manager (or equivalent) and relevant Project team members and stakeholders.

Additional management reviews would be undertaken per the requirements of Schedule 4 Condition 2 of the CoC:

The Applicant must:

- a) update the strategies and plans required under this consent to the satisfaction of the Planning Secretary prior to carrying out any upgrading or decommissioning activities on site; and*
- b) review and, if necessary, revise the strategies and plans required under this consent to the satisfaction of the Planning Secretary within 1 month of the:*
 - submission of an incident report under Condition 7 of Schedule 4;*
 - submission of an audit report under Condition 9 of Schedule 4; or*

- *any modification to the Conditions of consent.*

In accordance with Condition 3 of Schedule 4 all updated strategies and plans required under the Conditions of consent may be submitted at any time to the Planning Secretary for approval. Additionally in agreement of the Planning Secretary, revised strategies, plan or programs may be prepared without undertaking consultation with all parties nominated under the applicable Condition in this approval.

Amendments to the Project's management documents, risk assessment review, re-evaluation of the Project objectives and targets as well as changes to other Project documents would be conducted in accordance with the Documentation and Document Control procedures outlined in Section 9 of this report.

7.4 Government agency communication

The Proponent will be the main point of contact with DPE and will notify the Department (via the Major Project website) prior to the commencement of construction, operations, upgrading and decommissioning for all stages of the development. The HSEQ Manager (or equivalent) for the construction contractor may be required to communicate with DPE directly in relation to specific environmental issues.

The Proponent must comply with any requirement/s of the Planning Secretary arising from the Department's assessment of:

- Any strategies, plans or correspondence that are submitted in accordance with the consent
- Any reports, reviews or audits commissioned by the Department regarding compliance with the consent
- The implementation of any actions or measures contained in these documents.

Schedule 4 Condition 4 of the CoC states that:

- *Prior to commencing the road upgrades, construction, operations, upgrading or decommissioning of the development or the cessation of operations, the Applicant must notify the Department in writing via the Major Projects website of the date of commencement, or cessation, of the relevant phase.*
- *If any of these phases of the development are to be staged, then the Applicant must notify the Department in writing prior to commencing the relevant stage, and clearly identify the development that would be carried out during the relevant stage.*

Details of incident reporting to Government agencies, including DPE, are provided in Section 10 of this report.

The name and contact numbers for the site personnel who are available to EPA on a 24-hour basis and who have the authority to take immediate action to shut down any activity or to affect any pollution control measure as directed by an authorised officer of EPA will be provided. These roles are:

1. Project Manager/Site Representative (Proponent).
2. Project Manager (EPC Contractor).
3. HSEQ Manager (EPC Contractor).

The Proponent will immediately notify the Planning Secretary and any other relevant agencies of any incident on site. 'Immediately' has its ordinary dictionary meaning of promptly and without delay. Within 7 days of the date of the incident, the Proponent will provide the Planning Secretary

and any relevant agencies with a copy of the incident report, and such further reports as may be requested.

In the event of non-compliance with the CoC, Proponent will comply with Schedule 4 Condition 8 of the CoC, which states that:

The Department must be notified in writing via the Major Projects website within 7 days after the Applicant becomes aware of any non-compliance with the Conditions of this consent. The notification must identify the development and the application number for it, set out the Condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been done, or will be, undertaken to address the non-compliance.

Additionally, the Proponent will ensure that results of the Independent Environmental Audit are submitted to the Planning Secretary within 3 months of commencement of the audit. Refer to Section 11.1 for details about Project audit requirements.

7.5 Stakeholder and community engagement

The following steps will be implemented in order to engage with the community and other stakeholders throughout the various stages of the development:

Table 7-1 Planned and ongoing consultation

Engagement step	Description
Jindera Solar Farm website (http://www.jinderasolarfarm.com.au)	The website will be used to provide updates as relevant about the progress of the solar farm development. The website will be regularly updated throughout all stages of the Project and include information such as: • Layout and general overview of the development. • How complaints about the development can be made and a complaints handling procedure. • Contact details of the Proponent or online contact form. A link to the Major Projects website is also provided, which contains information relating to: • The EIS. • Current statutory approvals for the development. • Any staging plans for the development if required.
Newspaper advertisements	Advertisements will be placed in major local newspapers prior to commencing each stage of the development (as per Section 1.4.6. These will describe the upcoming works and the public roads expected to be affected.
Newsletters	The status of construction works and the plan for upcoming works will be communicated via newsletter updates. These will be uploaded to the website and emailed to community members who register their information. Mailed hard copies will be offered to community members if this is preferred.

Engagement step	Description
Jindera community noticeboard	Newsletters and Project updates will be posted on a prominent community noticeboard in Jindera.
Project contact information	Project contact information (email, phone number and mailing address per Appendix E will be included in community notifications to enable individuals to contact the Proponent.
Complaints procedure	A complaints procedure as per Appendix E will be implemented to identify and respond to issues generating complaints from the public. The system includes a Complaints Register to record and compile information on all complaints received. The register includes details of the complainant, how the complaint was addressed, and whether resolution was reached, with or without mediation.
Point of contact for locals	A 24-hour line of contact will be provided to residences within 1 km of the site. A neighbourhood liaison officer will also be appointed to liaise with receivers on construction noise levels and to consult with receivers regarding its construction schedule.

A Community Consultation Plan (CCP) was developed for the early planning and assessment stages. Prior to the commencement of construction, the CCP will be updated to incorporate the actions in Table 7-1. The CCP will be implemented for all subsequent stages of the development and will be updated as the development progresses based on community feedback and to reflect changing objectives for consultation through construction and into operations.

7.6 Dispute resolution

Dispute resolution will be undertaken in accordance with the Complaint's Procedure in Appendix E, which is designed to avoid disputes arising following receipt of a complaint. As per Appendix E, all complaints received via phone, email or the Project website during construction will be recorded and responded to by the following working day. Complaints received by post would be provided with a written response within five working days.

The Proponent will undertake the ongoing consultation measures listed in Table 7-1. It is the intention of the Proponent to maintain an open and clear relationship with all stakeholders to prevent complaints from arising. Should the resolution of a complaint not be able to be reached by both parties, following presentation of investigation results to the complainant, either party may refer the dispute to an independent mediator and/or follow the steps outlined in the complaints procedure in Appendix E.

7.7 Voluntary planning agreement

Prior to commencing construction, unless the Planning Secretary agrees otherwise, the Proponent must enter into a Voluntary Planning Agreement (VPA) with Council in accordance with:

- Division 7.1 of Part 7 of the EP&A Act.

- The terms of the agreement between The proponent and Council dated 31 August 2020, which are summarised in Appendix 3 of the CoC.

8. Environmental site inspections and impact verification

The HSEQ Manager (or equivalent) will be responsible for ensuring environmental site inspections are carried out in accordance with this EMS. Environmental inspections will be conducted fortnightly and post rainfall during construction and will be recorded on relevant checklists.

At the completion of inspections, the HSEQ Manager (or equivalent) will prepare the following:

- a) A site inspection report.
- b) A site inspection action plan listing deficiencies and corrective actions required.
- c) Sub-contractor notices for major/serious deficiencies.

All actions will be recorded and checked for implementation.

All deficiencies must be promptly issued to the applicable parties, actioned, verified and closed out within an appropriate timeframe based on the risk score associated with each deficiency. Actions listed will be identified with an appropriate timeframe to close out, that will take risks into consideration (e.g. location, weather).

Prior to the commencement of works on each shift, an inspection will be carried out and will include a check of the relevant environmental controls and resources required to ensure effective operation and maintenance. Works are not to commence unless inspections are found to be satisfactory.

9. Documentation and document control

The HSEQ Manager (or equivalent) is responsible for maintaining all environmental management documents as current at the point of use. Types of records include:

- a) All monitoring, inspection and compliance reports/records.
- b) Correspondence with government agencies.
- c) Induction and training records.
- d) Reports on environmental incidents, non-conformances, complaints and follow-up action.
- e) Community engagement information, and a complaints record.
- f) Minutes of environmental management review meetings and evidence of any action taken.

All environmental management documents are subject to ongoing review and continual improvement. This includes times of changes to scheduled activities or to legislative or licensing requirements.

9.1 Document control

Environment management plans for the Project are listed in Section 5. Throughout the life of the Project, current versions of environmental management plans and procedure documents will be stored at the main site compound. Review and revision of this EMS (including supplementary plans) are addressed in Section 7.3. Each revision of the EMS would be provided to DPE for approval. Each revision of the supplementary plans would be provided to the relevant agencies and stakeholders for comment/approval as listed in Table 5-1 and Table 5-2.

9.2 Publicly available Information

The Project website, <http://www.jinderasolarfarm.com.au>, is the main source of information for the Project and will be kept up to date. The website directs the user to the NSW Government Major Project website, where all relevant determination documents such as the EIS and associated environmental assessments, current statutory approvals including development consent, layout plans and any management plans or audits associated with the Project under the CoCs are publicly available.

Over the life of the Project, the website will be updated to include information regarding the process for making complaints (24 hour telephone line and instructions), complaints register, as well as details for compliance reports and audits as they are undertaken throughout the construction, operation, and decommissioning. The website will also include information about approval programs and strategies as well as information that may be made available about responses to recommendations made in any audits. The website will provide information on any matter required to be made public by the Planning Secretary. Users are encouraged to register their interest on the website to receive Project updates.

10. Emergency preparation and incident response

Contractors will have in place a procedure for responding to environmental incidents which covers reporting and notification per the following Sections. An example procedure is included in Appendix I.

10.1 Incident reporting

Typically, environmental incidents will be notified verbally to the Site Manager immediately. The Proponent would be notified in writing within one hour of any incident occurring. Contractors will produce incident reports within 48 hours of the incident occurring, including lessons learnt from each environmental incident occurring, and measures to prevent the occurrence of a similar incident.

DPE will be notified on any non-compliance via the Major Projects Portal within seven days of the Proponent being made aware of the non-compliance occurring. Notification of the non-compliance will include:

- a) Identification of the development, including its application number.
- b) Brief overview of the non-compliance.
- c) Time and date of the incident.
- d) Form of non-compliance (i.e. which Condition has been breached).
- e) Actions taken or to be taken to address the non-compliance.

An Environmental Incidence Response Procedure is included in Appendix I.

10.2 DPE notifiable incidents

As per Schedule 4 Condition 7 of the CoC, the Proponent will immediately notify the Planning Secretary and other agencies of any incident onsite. 'Immediately' has its ordinary dictionary meaning of promptly and without delay. Within seven days of the date of the incident, Proponent will provide the Planning Secretary and any relevant agencies with a copy of the incident report, and such further reports as may be requested.

After the submission of an incident report, the Proponent will review and, if necessary, revise the strategies and plans required under the approval consent to the satisfaction of the Planning Secretary within one month of the submission of an incident report.

10.3 EPA notifiable incidents

The EPA will be notified of any environmental or pollution incidents on or in proximity of the site via the EPA Environment Line (telephone 131 555) in accordance with Part 5.7 of the *Protection of the Environment Operations Act 1997* (NSW) (POEO Act). The circumstances where this will take place include:

- a) If the actual or potential harm to the health or safety of human beings or ecosystems is not trivial.
- b) If actual or potential loss or property damage (including clean-up costs) associated with an environmental incident exceeds \$10,000 (Material Harm).

Pollution incidents posing material harm to the environment should be notified to each 'relevant authority' as defined in Section 148 (8) of the POEO Act. 'Relevant authority' means:

- NSW EPA as the appropriate regulatory authority (ARA) on **131 555 or (02) 9995 5555**.
- Safe Work NSW (formerly WorkCover) on **13 10 50**.
- Fire and Rescue NSW on **000** or for Mobiles Only **112**.

Where an incident involves an Aboriginal site, relevant Registered Aboriginal Parties will be notified, and their input sought in closing out the incident.

The Proponent will maintain all records relating to environmental incidents.

10.4 Protection of public infrastructure

As per Schedule 2 Condition 8 of the CoC, the Proponent will notify the applicable authority and discuss any damage or the requirement to relocate any public infrastructure as a result of the development.

Schedule 2 Condition 8 states:

Unless the Applicant and the applicable authority agree otherwise, the Applicant must:

(a) repair, or pay the full costs associated with repairing , any public infrastructure that is damaged by the development; and

(b) relocate, or pay the full costs associated with relocating , any public infrastructure that needs to be relocated as a result of the development.

It is important to note that this Condition does not apply to the upgrade and maintenance of the road network, which is expressly provided for in the Conditions of this consent and covered in the TMP.

For incidents that damage or create the requirement to relocate public infrastructure as a result of the development, the applicable authority will be contacted with a response that is commensurate to the scale of damage and type of infrastructure.

11. Measurement and evaluation

11.1 System auditing and maintenance

11.1.1 Internal auditing

Biannual compliance audits will be conducted during the Project.

Internal audits will verify that the Project is compliant with Conditions and that environmental control measures are effective. More frequent auditing may occur if environmental checks indicate major deficiencies with environmental management of the site.

Audits will be planned, carried out and reported to provide assessment of the Project. Audits will:

- a) Assess the environmental performance of the Project and assess whether it is complying with the requirements within the Project Approval and any other approvals or permits.
- b) Review the adequacy of any approved strategy, plan or program.
- c) Recommend measures or actions to improve the environmental performance of the Project; and or any strategy, plan or program required under the approvals.
- d) Assess the level of compliance with Conditions, regulations (including license and permit Conditions) and planned environmental management requirements.
- e) Assess the capacity to comply, inspect, test, monitor, control and verify that construction activities are being carried in accordance with the Project's requirements and Conditions.

11.1.2 Independent external auditing

External auditing will be undertaken by an independent environment auditor in accordance with ISO 19011:2014 - Guidelines for Quality and/or Environmental Management Systems Auditing.

In accordance with Condition 9-14 of Schedule 4 of the Development Consent, Independent Audits of the Project must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (2020) to the following frequency:

- Within 3 months of commencing construction; and
- Within 3 months of commencement of operations.

The proposed independent auditor for the Project must be agreed to in writing by the Planning Secretary prior to the commencement of an Independent Audit.

The Planning Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified above (within 3 month of commencing construction and within 3 months of commencement of operations) upon giving at least 4 weeks' notice to The proponent of the date upon which the audit must be commenced.

In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020), The proponent must:

- Review and respond to each Independent Audit Report prepared under Condition 9 of Schedule 4 of this consent, or Condition 11 of Schedule 4 where notice is given by the Planning Secretary.
- Submit the response to the Planning Secretary.

- Make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Planning Secretary. Unless otherwise agreed by the Planning Secretary.

Independent Audit Reports and The proponent's response to audit findings must be submitted to the Planning Secretary within 2 months of undertaking the independent audit site inspection as outlined in the Independent Audit Post Approvals Requirements (2020) unless otherwise agreed by the Planning Secretary.

The Planning Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that independent operational audits have demonstrated operational compliance.

11.2 Environmental monitoring and reporting

A plan depicting all the monitoring and reporting obligations to be carried out in relation to the Project is provided below (Table 11-1), along with how these obligations will be met within the EMS.

The objective of monitoring and reporting will be to validate the impacts predicted for the Project, to measure the effectiveness of environmental controls and implementation of this EMS, and to address specific obligations.

The Proponent will respond in a timely manner to any requests relating to monitoring or the effectiveness of environmental controls and their implementation raised by NSW Government Agencies.

Table 11-1 Monitoring and reporting as required by the CoC

CoC	Item	Monitoring and Reporting Requirements	Monitoring
Sch 3 C 2	Over-Dimensional and Heavy Vehicle Restrictions	The Applicant must ensure that the: a) development does not generate more than: • 80 heavy vehicle movements a day during construction, upgrading or decommissioning; • 5 over-dimensional vehicle movements during construction, upgrading or decommissioning; and • 5 heavy vehicle movements a day during operations; on the public road network; and b) length of any vehicles (excluding over-dimensional vehicles) used for the development does not exceed 26 metres, unless the Planning Secretary agrees otherwise.	Internal and External audits TMP Section 3.3, 3.5. EMS Section 5.9
Sch 3 C 3	Over-Dimensional and Heavy Vehicle Restrictions	The Applicant must keep accurate records of the number of over-dimensional and heavy vehicles entering or leaving the site each day for the duration of the Project.	Delivery Record Sheet (TMP Section 7.3, Appendix D)
Sch 3 C 7	Road Maintenance	The Applicant must: (a) undertake an independent dilapidation survey to assess the: • existing condition of Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street and Walla Walla Jindera	TMP Section 5.4, Section 5.9; EMS Section 1.4.6 and 5.9

CoC	Item	Monitoring and Reporting Requirements	Monitoring
		Road prior to construction, upgrading or decommissioning activities; and condition of Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street and Walla Walla Jindera Road following construction, upgrading or decommissioning activities;	
Sch 3 C 9	Traffic Management Plan	Prior to commencing road upgrades, the Applicant must prepare a Traffic Management Plan for the development in consultation with TfNSW and Council, and to the satisfaction of the Planning Secretary in writing. This plan must include: (a) details of the transport route to be used for all development-related traffic; (b) details of the road upgrade works required by Condition 6 of Schedule 3 to this consent; (c) details of the measures that would be implemented to minimise traffic impacts during construction, upgrading or decommissioning activities, including: - temporary traffic controls, including detours and signage; - notifying the local community about development-related traffic impacts; - procedures for receiving and addressing complaints from the community about development related traffic; - minimising potential cumulative traffic impacts with other State significant development Projects in the area, including other nearby solar farms; - minimising potential for conflict with school buses and other road users as far as practicable (measures also required during operation of the Project), including preventing queuing on the public road network; - minimising dirt tracked onto the public road network from development-related traffic; - scheduling of haulage vehicle movements to minimise convoy length or platoons; - responding to local climate conditions that may affect road safety such as fog, dust, wet weather and flooding; - responding to any emergency repair or maintenance requirements; and - a traffic management system for managing over-dimensional vehicles; (d) a driver's code of conduct that addresses: - driver fatigue; - procedures to ensure that drivers adhere to the designated transport routes and speed limits; and - procedures to ensure that drivers implement safe driving practices; (e) a program to ensure drivers working on the development	TMP Section 3.3, Section 5.2, Section 6, Appendix B; EMS Section 5.9

CoC	Item	Monitoring and Reporting Requirements	Monitoring
		receive suitable training on the code of conduct and any other relevant obligations under the Traffic Management Plan. Following the Planning Secretary's approval, the Applicant must implement the Traffic Management Plan.	
Sch 3 C 11	Landscaping Plan	Prior to commencing construction, the Applicant must prepare a detailed Landscaping Plan for the development in consultation with Council and residences R01, R09, R16, R17, R18, R19 and R20, to the satisfaction of the Planning Secretary. This plan must include: (a) a description of measures that would be implemented to ensure that the vegetated buffers achieve the objectives of Condition 10 (a) – (e) above; (b) a program to monitor and report on the effectiveness of these measures; and (c) details of who would be responsible for monitoring, reviewing and implementing the plan, and timeframes for the completion of actions. Following the Planning Secretary's approval, the Applicant must implement the Landscaping Plan.	LP EMS Section 5.2
Sch 3 C 15	Biodiversity Management Plan	The Applicant must prepare a Biodiversity Management Plan in consultation with BCD to the satisfaction of the Planning Secretary. This plan must include a program to monitor and report on the effectiveness of these measures and any biodiversity impacts of the Project.	BMP, Section 6, Section 7 EMS Section 5.6
Sch 3 C 23	Heritage Management Plan	The Applicant must prepare a Heritage Management Plan in consultation with BCD and Aboriginal stakeholders to the satisfaction of the Planning Secretary. This Heritage Management Plan must include a program to monitor and report on the effectiveness of these measures and any heritage impacts of the Project.	HMP, Section 8 EMS Section 5.7 EMS Section 5.8

11.3 Non-compliance and corrective and preventative action

In accordance with Condition 8 of Schedule 4 of the CoC, DPE must be notified via the Major Projects website portal within 7 days after the proponent becomes aware of any non-compliance with the Conditions of this consent. The notification must identify the development and the application number for it, set out the Condition of approval that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been done, or will be, undertaken to address the non-compliance.

Environmental non-compliances will be reported and actioned through the Incident Management Procedures detailed in Section 10.

12. References

- DECC. (2007). *Storing and Handling Liquids: Environmental Protection - Participant's Manual*. Retrieved from <https://www.epa.nsw.gov.au/-/media/epa/corporate-site/resources/licensing/2007210liquidsmanual.pdf?la=en&hash=F58F9A86A4293434464AC43554AEEEB7FDCF6E01>
- DECC. (2009). *Interim Construction Noise Guideline*.
- DIPNR. (2004). *Guideline for the Preparation of Environmental Management Plans*. Department of Infrastructure, Planning and Natural Resources.
- Landcom. (2004). *Managing Urban Stormwater: Soils and Construction*. Landcom.
- NGH Environmental. (2019). *Amendment Report Wollar Solar Farm*.
- NGH Environmental. (2019). *Environmental Impact Assessment Wollar Solar Farm*.

Appendix A Project Conditions of consent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Obligation to Minimise Harm to the Environment			
<i>Schedule 2 - Condition 1</i> In meeting the specific environmental performance criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, upgrading or decommissioning of the development.	EMS and all subplans EMS Section 1.2	Pre-construction Construction Operation Decommissioning	Proponent EPC TransGrid
Term of Consent			
<i>Schedule 2 - Condition 2</i> The Applicant must carry out the development: (a) generally in accordance with the EIS; and (b) in accordance with the Conditions of this consent. Note: The general layout of the development is shown in Appendix C.	EMS and all subplans EMS Section 1.2	Pre-construction Construction Operation	Proponent EPC TransGrid
<i>Schedule 2 - Condition 3</i> If there is any inconsistency between the above documents, the most recent document must prevail to the extent of the inconsistency. However, the Conditions of this consent must prevail to the extent of any inconsistency.	EMS Section 1.2		
<i>Schedule 2 - Condition 4</i> The Applicant must comply with any requirement/s of the Planning Secretary arising from the Department's assessment of: (a) any strategies, plans or correspondence that are submitted in accordance with this consent; (b) any reports, reviews or audits commissioned by the Department regarding compliance with this consent; and	EMS Section 7.4		

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(c) the implementation of any actions or measures contained in these documents.			
Upgrading Solar Panels and Ancillary Infrastructure			
<i>Schedule 2 - Condition 5</i> The Applicant may upgrade the solar panels and ancillary infrastructure on site provided these upgrades remain within the approved development footprint of the site. Prior to carrying out any such upgrades, the Applicant must provide revised layout plans and Project details of the development to the Planning Secretary incorporating the proposed upgrades.	EMS Section 1.4.2	Operation	Proponent EPC
Structural Adequacy			
<i>Schedule 2 - Condition 6</i> The Applicant must ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the Building Code of Australia. Notes: • Under Part 6 of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the development. • Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.	EMS Section 1.4.2	Construction Operation	Proponent EPC
Demolition			
<i>Schedule 2 - Condition 7</i> The Applicant must ensure that all demolition work on site is carried out in accordance with Australian Standard AS 2601-2001: The Demolition of Structures, or its latest version.	Noted – No demolition proposed		
Protection of Public Infrastructure			
<i>Schedule 2 - Condition 8</i> Unless the Applicant and the applicable authority agree otherwise, the Applicant must:	EMS Section 10.4	Construction Operation	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. This Condition does not apply to the upgrade and maintenance of the road network, which is expressly provided for in the Conditions of this consent.		Decommissioning	
Operation of Plant and Equipment			
<i>Schedule 2 - Condition 9</i> The Applicant must ensure that all plant and equipment used on site, or in connection with the development, is: (a) maintained in a proper and efficient Condition; and (b) operated in a proper and efficient manner.	CEMP OEMP EMS Section 5.5	Construction Operation Decommissioning	Proponent EPC
Subdivision			
<i>Schedule 2 - Condition 10</i> The Applicant may subdivide the site as identified in Appendix C and in accordance with the requirements of the EP&A Act and EP&A Regulation. Notes: • Under Part 6 of the EP&A Act, the Applicant is required to obtain a subdivision certificate for a plan of subdivision. • Division 6.4 of Part 6 of the EP&A Act sets out the application requirements for subdivision certificates	EMS Section 1.4.3	Pre-construction Construction Operation Decommissioning	Proponent
Community Enhancement			
<i>Schedule 2 - Condition 11</i> Prior to commencing construction, unless the Planning Secretary agrees otherwise, the Applicant must enter into a VPA with Council in accordance with:	EMS Section 7.7	Pre-construction	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(a) Division 7.1 of Part 7 of the EP&A Act; and (b) the terms of the agreement between the Applicant and Council dated 31 August 2020, which are summarised in Appendix 3 [of the Conditions of Consent].			
Battery Storage Restriction			
<i>Schedule 3 - Condition 1</i> Unless the Planning Secretary agrees otherwise, the battery storage facility or system associated with the development must not exceed a total delivery capacity of 30 MW. <i>Note. This Condition does not prevent the Applicant from seeking to lodge a separate development application or modify this consent to increase the battery storage facility or system in the future.</i>	NA – Stage 2	Pre-construction Construction for Stage 2	Proponent EPC
Over-Dimensional and Heavy Vehicle Restrictions			
<i>Schedule 3 - Condition 2</i> The Applicant must ensure that the: a) development does not generate more than: • 80 heavy vehicle movements a day during construction, upgrading or decommissioning; • 5 over-dimensional vehicle movements during construction, upgrading or decommissioning; and • 5 heavy vehicle movements a day during operations; on the public road network; and b) length of any vehicles (excluding over-dimensional vehicles) used for the development does not exceed 26 metres, unless the Planning Secretary agrees otherwise.	EMS Section 5.9 TMP	Pre-construction Construction Operation Decommissioning	Proponent EPC
<i>Schedule 3 - Condition 3</i> The Applicant must keep accurate records of the number of over-dimensional and heavy vehicles entering or leaving the site each day for the duration of the Project.	EMS Section 5.9 TMP	Construction Operation Decommissioning	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Access Routes			
<i>Schedule 3 - Condition 4</i> All over-dimensional and heavy vehicles associated with the development (including water carts) must travel to and from the site via the Hume Highway, Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street, Urana Road: a) and the approved site access point off Urana Road; or b) Walla Walla Jindera Road, and the approved site access points off Walla Walla Jindera Road; as identified in the figures in Appendix 1 and Appendix 5, unless the Planning Secretary agrees otherwise. All heavy vehicles associated with construction of the transmission line must use Hume Highway, Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street, Urana Road, Walla Walla Jindera Road, Lindner Road and Ortlipp Road unless the Planning Secretary agrees otherwise. All vehicles associated with the development must avoid the use of Klinberg Road, except for emergency purposes unless the Planning Secretary agrees otherwise. <i>Note: The Applicant is required to obtain relevant permits under the Heavy Vehicle National Law (NSW) for the use of over-dimensional vehicles on the road network.</i>	EMS Section 5.9 TMP	Pre-construction Construction Operation Decommissioning	Proponent and all Contractors.
Site Access			
<i>Schedule 3 - Condition 5</i> All vehicles associated with the development must enter and exit the site via one of the three approved site access points off Urana Road or Walla Walla Jindera Road, as identified in the figure in Appendix 1 and Appendix 5. In addition, light vehicles may enter and exit the site via the site access points off:	EMS Section 1.4.4 and 5.9, Appendix B TMP	Pre-construction Construction Operation Decommissioning	Proponent and all Contractors

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(a) Ortlipp Road for emergency and maintenance purposes. (b) Klinberg Road for emergency purposes.			
Road Upgrades			
<i>Schedule 3 - Condition 6</i> Unless the Planning Secretary agrees otherwise, prior to commencing construction, the Applicant must construct: (a) the intersection of the site access point and Urana Road, including a CHR(s)/BAL; (b) the Intersections of the two site access points off Walla Walla Jindera Road, including BAR/BAL intersection treatments; and (c) the approved site access points off Urana Road and Walla Walla Jindera Road (shown in Appendix 1) with a Rural Property Access type treatment to cater for the largest vehicle accessing the site, These upgrades must comply with the Austroads Guide to Road Design (as amended by TfNSW supplements), and be carried out to the satisfaction of the relevant roads authority.	EMS Section 1.4.4 and 5.9, Appendix B TMP	Pre-construction	Proponent EPC
Road Maintenance			
<i>Schedule 3 - Condition 7</i> The Applicant must: (a) undertake an independent dilapidation survey to assess the: • existing condition of Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street and Walla Walla Jindera Road prior to construction, upgrading or decommissioning activities; and • condition of Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga	EMS Section 1.4.6 and 5.9 TMP	Pre-construction Construction Operation Decommissioning	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Road, Urana Road, Urana Street and Walla Walla Jindera Road following construction, upgrading or decommissioning activities; (b) repair Thurgoona Drive, Catherine Crescent, Dallinger Road, Union Road, Wagga Road, Urana Road, Urana Street and Walla Walla Jindera Road on the transport route if dilapidation surveys identify that the road has been damaged during construction, upgrading or decommissioning works; in consultation with the relevant roads authority, to the satisfaction of the Planning Secretary.			
Operating Conditions			
<i>Schedule 3 - Condition 8</i> The Applicant must ensure: (a) the internal roads are constructed as all-weather roads; (b) there is sufficient parking on site for all vehicles, and no parking occurs on the public road network in the vicinity of the site; (c) the capacity of the existing roadside drainage network is not reduced; (d) all vehicles are loaded and unloaded on site, and enter and leave the site in a forward direction; and (e) development-related vehicles leaving the site are in a clean Condition to minimise dirt being tracked onto the sealed public road network.	EMS Section 5.9 TMP	Pre-construction Construction Operation	Proponent EPC
Traffic Management Plan			
<i>Schedule 3 - Condition 9</i> Prior to commencing road upgrades, the Applicant must prepare a Traffic Management Plan for the development in consultation with TfNSW and Council, and to the satisfaction of the Planning Secretary	EMS Section 5.9 TMP	Pre-construction	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
in writing. This plan must include: (a) details of the transport route to be used for all development-related traffic; (b) details of the road upgrade works required by Condition 6 of Schedule 3 to this consent; (c) details of the measures that would be implemented to minimise traffic impacts during construction, upgrading or decommissioning activities, including: • temporary traffic controls, including detours and signage; • notifying the local community about development-related traffic impacts; • procedures for receiving and addressing complaints from the community about development related traffic; • minimising potential cumulative traffic impacts with other State significant development Projects in the area, including other nearby solar farms; • minimising potential for conflict with school buses and other road users as far as practicable (measures also required during operation of the Project), including preventing queuing on the public road network; • minimising dirt tracked onto the public road network from development-related traffic; • scheduling of haulage vehicle movements to minimise convoy length or platoons; • responding to local climate Conditions that may affect road safety such as fog, dust, wet weather and flooding; • responding to any emergency repair or maintenance requirements; and • a traffic management system for managing over-dimensional vehicles; (d) a driver's code of conduct that addresses: • driver fatigue; • procedures to ensure that drivers adhere to the designated transport routes and speed limits; and • procedures to ensure that drivers implement safe driving practices;			

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(e) a program to ensure drivers working on the development receive suitable training on the code of conduct and any other relevant obligations under the Traffic Management Plan. Following the Planning Secretary's approval, the Applicant must implement the Traffic Management Plan.			
LANDSCAPING			
Vegetation Buffer			
<i>Schedule 3 - Condition 10</i> The Applicant must establish and maintain a vegetation buffer (landscape screening) at the locations outlined in the figure in Appendix D to the satisfaction of the Planning Secretary. This landscape screening must: a) be planted within 12 months of commencing development under this consent and prior to commencing construction; b) be comprised of species that are endemic to the area (including PCTs 9, 266, 277 and 360 where appropriate); c) minimise views from residences R01, R09, R10, R11, R16, R17, R18, R19, R20 and R34 within 3 years of commencing operations; d) be designed and maintained in accordance with RFS's Planning for Bushfire Protection 2019 (or equivalent); e) be properly maintained with a replanting programme being undertaken where the vegetation fails to establish, and f) undertake appropriate weed management, unless the Planning Secretary agrees otherwise.	EMS Section 5.2 LP	Pre-construction	Proponent EPC
Landscaping Plan			

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<i>Schedule 3 - Condition 11</i> Prior to commencing construction, the Applicant must prepare a detailed Landscaping Plan for the development in consultation with Council and residences R01, R09, R10, R11, R16, R17, R18, R19, R20 and R34 to the satisfaction of the Planning Secretary. This plan must include: (a) a description of measures that would be implemented to ensure that the vegetated buffers achieve the objectives of Condition 10 (a) – © above; (b) a program to monitor and report on the effectiveness of these measures; and © details of who would be responsible for monitoring, reviewing and implementing the plan, and timeframes for the completion of actions. Following the Planning Secretary's approval, the Applicant must implement the Landscaping Plan.	EMS Section 5.2 LP	Pre-construction	Proponent EPC
LAND MANAGEMENT			
<i>Schedule 3 - Condition 12</i> The Applicant must maintain the agricultural land capability of the site, including: (a) establishing the ground cover of the site within 3 months following completion of any construction or upgrading; (b) properly maintaining the ground cover with appropriate perennial species and weed management; and (c) maintaining grazing within the development footprint following construction, where practicable, unless the Planning Secretary agrees otherwise in writing.	EMS Section 1.4.8 and 5.6 BMP	Pre-construction Construction Operation	Proponent EPC
BIODIVERSITY			
Vegetation Clearance			

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility											
<i>Schedule 3 - Condition 13</i> The Applicant must not clear any native vegetation or fauna habitat located outside the approved disturbance areas described in the EIS.	EMS Section 5.6 BMP	Pre-construction Construction	Proponent EPC											
Biodiversity Offsets														
<i>Schedule - 3 Condition 14</i> Prior to commencing construction, the Applicant must retire biodiversity credits of a number and class specified in the tables below, unless the Planning Secretary agrees otherwise in writing. The retirement of these credits must be carried out in accordance with the NSW Biodiversity Offsets Scheme and can be achieved by: (a) acquiring or retiring 'biodiversity credits' within the meaning of the Biodiversity Conservation Act 2016; (b) making payments into an offset fund that has been developed by the NSW Government; or (c) funding a biodiversity conservation action that benefits the entity impacted and is listed in the ancillary rules of the biodiversity offset scheme. Ecosystem Credit Requirements <table><tr><th>Vegetation Community</th><th>PCT ID</th><th>Credits Required</th></tr><tr><td>Blakely's Red Gum – Yellow Box Grassy tall woodland of the NSW South Western Slopes Bioregion.</td><td rowspan="2">277</td><td>216</td></tr><tr><td>Blakely's Red Gum – Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion – Paddock Trees.</td><td>27</td></tr><tr><td>River Red Gum – wallaby grass tall woodland wetland on the outer River Red Gum zone mainly in the Riverina Bioregion.</td><td>9</td><td>33</td></tr></table>	Vegetation Community	PCT ID	Credits Required	Blakely's Red Gum – Yellow Box Grassy tall woodland of the NSW South Western Slopes Bioregion.	277	216	Blakely's Red Gum – Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion – Paddock Trees.	27	River Red Gum – wallaby grass tall woodland wetland on the outer River Red Gum zone mainly in the Riverina Bioregion.	9	33	EMS Section 5.6	Pre-construction	Proponent
Vegetation Community	PCT ID	Credits Required												
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River Red Gum – wallaby grass tall woodland wetland on the outer River Red Gum zone mainly in the Riverina Bioregion.	9	33												

Conditions of Consent (CoC)		Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Species Credit Requirements				
Vegetation Community	Credits Required			
Squirrel Glider (<i>Petaurus norfolcensis</i>)	72			
Eastern Pygmy Possum (<i>Cercartus nanus</i>)	52			
Small Scurf Pea (<i>Cullen parvum</i>)	96			
Silky Swainson-pea (<i>Swainsona sericea</i>)	49			
Small Purple-pea (<i>Swainsona recta</i>)	49			
Biodiversity Management Plan				
Schedule 3 - Condition 15 Prior to commencing construction, the Applicant must prepare a Biodiversity Management Plan for the development in consultation with BCD, and to the satisfaction of the Planning Secretary. This plan must: a) include a description of the measures that would be implemented for: - protecting vegetation and fauna habitat outside the approved disturbance areas; - managing the remnant vegetation and fauna habitat on site; - maintaining and improving the Condition and extent of PCT 277, and improving connectivity between PCT 9, 277 and 360, including regular reporting on the effectiveness of these measures to BCD; - improving habitat for the Squirrel Glider, in consultation with the Squirrel Glider Advisory Group; - minimising clearing and avoiding unnecessary disturbance of vegetation that is associated with the construction and operation of the development; - minimising the impacts to fauna on site and implementing fauna management protocols, including identification and reporting of fauna mortalities to BCD;		EMS Section 5.6 BMP LP	Pre-construction	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
- avoiding the removal of hollow-bearing trees during spring to avoid the main breeding period for hollow-dependent fauna; - rehabilitating and revegetating temporary disturbance areas with species that are endemic to the area, including PCTs 9, 266, 277 and 360; - the use of PCTs 9, 266, 277 and 360, where appropriate, to achieve the vegetation buffer objectives outlined in Condition 10 above; - maximising the salvage of vegetative and soil resources within the approved disturbance area for beneficial reuse in the enhancement or the rehabilitation of the site; and - controlling weeds, feral pests and pathogens; b) include details of all actions to be undertaken (including measures and timeframes to undertake the actions) and who would be responsible for monitoring, reviewing and implementing the plan. Following the Planning Secretary's approval, the Applicant must implement the Biodiversity Management Plan. <i>Note: If the biodiversity credits are retired via a Biodiversity Stewardship Agreement, then the Biodiversity Management Plan does not need to include any of the matters that are covered under the Biodiversity Stewardship Agreement.</i>			
AMENITY			
Construction, Upgrading and Decommissioning Hours			
<i>Schedule 3 - Condition 16</i> Unless the Planning Secretary agrees otherwise, the Applicant may only undertake road upgrades, construction, upgrading or decommissioning activities between: (a) 7 am to 6 pm Monday to Friday;	EMS Section 1.4.5 NMP	Pre-construction Construction Operation Decommissioning	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(b) 8 am to 1 pm Saturdays; and (c) at no time on Sundays and NSW public holidays. The following construction, upgrading or decommissioning activities may be undertaken outside these hours without the approval of the Planning Secretary: - activities that are inaudible at non-associated receivers; - the delivery of materials as requested by the NSW Police Force or other authorities for safety reasons; or - emergency work to avoid the loss of life, property and/or material harm to the environment.			
Noise			
<i>Schedule 3 - Condition 17</i> The Applicant must minimise the noise generated by any construction, upgrading or decommissioning activities on site in accordance with the best practice requirements outlined in the <i>Interim Construction Noise Guideline</i> (DECC, 2009), or its latest version.	EMS Section 5.5 NMP	Construction Operation Decommissioning	Proponent EPC
<i>Schedule 3 - Condition 18</i> The Applicant must appoint a neighbourhood liaison officer to liaise with receivers on construction noise levels and to consult with receivers regarding its construction schedule.	EMS Section 5.5 and 7.5 NMP	Construction Operation Decommissioning	Proponent EPC
Dust			
<i>Schedule 3 - Condition 19</i> The Applicant must minimise the dust generated by the development.	EMS Section 5.1 SWMP	Construction Operation Decommissioning	Proponent EPC
Visual			

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<i>Schedule 3 - Condition 20</i> The Applicant must: a) minimise the off-site visual impacts of the development, including the potential for any glare or reflection; b) ensure the visual appearance of all ancillary infrastructure (including paint colours) blends in as far as possible with the surrounding landscape; and c) not mount any advertising signs or logos on site, except where this is required for identification or safety purposes.	EMS Section 5.2 LP	Pre-construction (prepare) Construction (implement) Operations (implement)	Proponent EPC
Lighting			
<i>Schedule 2 - Condition 21</i> The Applicant must: a) minimise the off-site lighting impacts of the development; and b) ensure that any external lighting associated with the development: • is installed as low intensity lighting (except where required for safety or emergency purposes); • does not shine above the horizontal; and • complies with <i>Australian/New Zealand Standard AS/NZS 4282:2019 – Control of Obtrusive Effects of Outdoor Lighting</i>, or its latest version.	EMS Section 5.2 LP	Pre-construction (prepare) Construction (implement) Operations (implement)	Proponent EPC
HERITAGE			
Protection of Heritage Items			
<i>Schedule 3 - Condition 22</i> The Applicant must ensure the development does not cause any direct or indirect impacts on the	EMS Section 5.7 HMP	Pre-construction (prepare) Construction	Proponent and all Contractors

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Aboriginal heritage items identified in Table 1 of Appendix 6 [of the CoCs] or any Aboriginal heritage items located outside the approved development footprint. Prior to carrying out any development that could directly or indirectly impact the heritage items identified in Table 2 of Appendix 6 [of the CoCs], the Applicant must salvage and relocate the item/s that would be impacted to a suitable alternative location, in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in NSW (DECCW, 2010), or its latest version. <i>Note: The location of the Aboriginal heritage items referred to in this Condition are shown in the figure in Appendix 6 [of the CoCs].</i>		(implement) Operations (implement) Decommissioning (implement)	
Heritage Management Plan			
<i>Schedule 3 - Condition 23</i> Prior to carrying out any development that could directly or indirectly impact the heritage items identified in Appendix 6 [of the CoCs], the Applicant must prepare a Heritage Management Plan for the development to the satisfaction of the Planning Secretary in writing. This plan must: (a) be prepared by suitably qualified and experienced persons whose appointment has been endorsed by the Planning Secretary in writing; (b) be prepared in consultation with Heritage NSW and Aboriginal Stakeholders; (c) include a description of the measures that would be implemented for: - protecting the Aboriginal heritage items identified in Table 1 of Appendix 6 or items located outside the approved development footprint, including fencing off the Aboriginal heritage items prior to carrying out any development that could directly or indirectly impact the heritage items identified in Table 2 of Appendix 6; - salvaging and relocating the Aboriginal heritage items located within the approved development footprint, as identified in Table 2 of Appendix 6; - a contingency plan and reporting procedure if: - previously unidentified heritage items are found; or	EMS Section 5.7 EMS Section 5.8 HMP	Pre-construction (prepare) Construction (implement) Operations (implement) Decommissioning (implement)	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
- Aboriginal skeletal material is discovered; • ensuring workers on site receive suitable heritage inductions prior to carrying out any development on site, and that records are kept of these inductions; and • ongoing consultation with Aboriginal stakeholders during the implementation of the plan; (d) include a program to monitor and report on the effectiveness of these measures and any heritage impacts of the Project. Following the Planning Secretary's approval, the Applicant must implement the Heritage Management Plan.			
SOIL AND WATER			
Water Supply			
<i>Schedule 3 - Condition 24</i> The Applicant must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of the development to match its available water supply. <i>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development.</i>	EMS Section 5.1 SWMP	Construction Operation Decommissioning	Proponent EPC
Water Pollution			
<i>Schedule 3 - Condition 25</i> The Applicant must ensure that the development does not cause any water pollution, as defined under Section 120 of the POEO Act.	EMS Section 5.1, 5.3, 10, Appendix F SWMP EP	Construction Operation Decommissioning	Proponent EPC
Operating Conditions			

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<i>Schedule 3 - Condition 26</i> The Applicant must: a) minimise any soil erosion associated with the construction, upgrading or decommissioning of the development in accordance with the relevant requirements in the <i>Managing Urban Stormwater: Soils and Construction</i> (Landcom, 2004) manual, or its latest version; b) ensure the solar panels and ancillary infrastructure are designed, constructed and maintained to reduce impacts on surface water, localised flooding and groundwater at the site; c) ensure the solar panels and ancillary infrastructure are designed, constructed and maintained to avoid causing any erosion on site; and d) ensure all works are undertaken in accordance with the <i>Guidelines for Controlled Activities on Waterfront Land</i> (NRAR, 2018), or its latest version, unless DPE Water agrees otherwise.	EMS Section 5.1 SWMP	Construction Operation Decommissioning	Proponent EPC
HAZARDS			
Fire Safety Study			
<i>Schedule 3 - Condition 27</i> Prior to commencing commissioning of the battery storage facility, unless the Planning Secretary agrees otherwise, the Applicant must prepare a Fire Safety Study for the development, in consultation with FRNSW and RFS and to the satisfaction of the Planning Secretary. The study must: (a) be consistent with the: • Department's <i>Hazardous Industry Planning Advisory Paper No. 2 'Fire Safety Study'</i> guideline; • NSW Government's <i>Best Practice Guidelines for Contaminated Water Retention and Treatment Systems</i>; and (b) describe the final design of the battery storage facility. Following the Planning Secretary's approval, the Applicant must implement the measures described in	EMS Section 5.4 FSS	Pre-construction for Stage 2	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
the Fire Safety Study.			
Storage and Handling of Dangerous Goods			
<i>Schedule 3 - Condition 28</i> The Applicant must store and handle all chemicals, fuels and oils used on-site in accordance with: (a) the requirements of all relevant Australian Standards; and (b) the NSW EPA's Storing and Handling of Liquids: Environmental Protection – Participants Handbook if the chemicals are liquids. In the event of an inconsistency between the requirements listed from (a) to (b) above, the most stringent requirement must prevail to the extent of the inconsistency.	EMS Section 5.3 EP SWMP	Construction Operation	Proponent EPC
Operating Conditions			
<i>Schedule 3 - Condition 29</i> The Applicant must: (a) minimise the fire risks of the development, including managing vegetation fuel loads on-site; (b) ensure that the development: • includes at least a 10 metre defendable space around the perimeter of the solar array area and battery storage areas that permits unobstructed vehicle access; • manages the defendable space and solar array areas as an Asset Protection Zone; • complies with the relevant asset protection requirements in the RFS's <i>Planning for Bushfire Protection 2019</i> (or equivalent) and <i>Standards for Asset Protection Zones</i> (including provision of water, electricity and gas, ancillary equipment, transmission lines and management of vegetation); and • is suitably equipped to respond to any fires on site including provision of a 20,000 litre water supply tank fitted with a 65mm Storz fitting and a FRNSW compatible suction connection located adjacent to an internal access road;	EMS Section 5.4 EP	Pre-construction Construction Operation	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(c) assist the RFS and emergency services as much as practicable if there is a fire in the vicinity of the site; and (d) notify the relevant local emergency management committee following construction of the development, and prior to commencing operations.			
Emergency Plan			
<i>Schedule 3 - Condition 30</i> Prior to commencing construction of the solar farm and commissioning of the battery storage, the Applicant must develop and implement a comprehensive Emergency Plan and detailed emergency procedures for the development, to the satisfaction of FRNSW and the RFS. The Applicant must keep two copies of the plan on-site in a prominent position adjacent to the site entry points at all times. The plan must: a) be consistent with the Department's Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning' and RFS's Planning for Bushfire Protection 2019 (or equivalent); b) identify the fire risks and hazards and detailed measures for the development to prevent or mitigate fires igniting; c) list work that should not be carried out during a total fire ban; d) include availability of fire suppression equipment, access and water; e) include procedures for the storage and maintenance of any flammable materials; f) detail access provisions for emergency vehicles and contact details for both a primary and alternative site contact who may be reached 24/7 in the event of an emergency; g) include a figure showing site infrastructure, Asset Protection Zone and the fire fighting water supply tank; h) include location of hazards (physical, chemical and electrical) that may impact on fire fighting operations and procedures to manage identified hazards during fire fighting operations; i) include details of the location, management and maintenance of the Asset Protection Zone and who is responsible for the maintenance and management of the Asset Protection Zone; j) include bushfire emergency management planning; and	EMS Section 5.4 EP & ESIP	Pre-construction Update for Stage 2	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
k) include details of the how RFS would be notified, and procedures that would be implemented, in the event that: - there is a fire on-site or in the vicinity of the site; - there are any activities on site that would have the potential to ignite surrounding vegetation; or - there are any proposed activities to be carried out during bushfire danger period. l) offer representatives of the local RFS brigade an opportunity to undertake a site familiarisation following construction of the development, and prior to commencing operations. Following approval, the Applicant must implement the Emergency Plan.			
Waste			
<i>Schedule 3 - Condition 31</i> The Applicant must: (a) minimise the waste generated by the development; (b) classify all waste generated on site in accordance with the EPA's <i>Waste Classification Guidelines 2014</i> (or its latest version); (c) store and handle all waste on site in accordance with its classification; (d) not receive or dispose of any waste on site; and (e) remove all waste from the site as soon as practicable, and ensure it is reused, recycled or sent to an appropriately licensed waste facility for disposal.	EMS Section 5.10 WMP	Construction Operation Decommissioning	Proponent EPC
Accommodation and Employment Strategy			
<i>Schedule 3 - Condition 32</i> Prior to commencing construction, the Applicant must prepare an Accommodation and Employment	AES	Pre-construction	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Strategy for the development in consultation with Council, and to the satisfaction of the Planning Secretary. This strategy must: (a) propose measures to ensure there is sufficient accommodation for the workforce associated with the development; (b) consider the cumulative impacts associated with other State significant development Projects in the area; (c) investigate options for prioritising the employment of local workers for the construction and operation of the development, where feasible; and (d) include a program to monitor and review the effectiveness of the strategy over the life of the development, including regular monitoring and review during construction. Following the Planning Secretary's approval, the Applicant must implement the Accommodation and Employment Strategy.			
Decommissioning and Rehabilitation			
<i>Schedule 3 - Condition 34</i> Within 3 years of the commencement of operation, the Applicant must prepare a Decommissioning and Rehabilitation Plan for the development which shall be reviewed by the Applicant prior to the cessation of operations, to the satisfaction of the Planning Secretary. The Plan must: (a) include detailed completion criteria for evaluating compliance with the rehabilitation objectives in Table 3 below; (b) describe the measures that would be implemented to: • decommission the development and rehabilitate the site in accordance with the objectives in Table 3; • minimise and manage the waste generated by the decommissioning of the development; and • include a program to monitor and report on the implementation of these measures against the	EMS Section 5.11 DRP	Operation Decommissioning	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility										
detailed completion criteria. The Applicant must decommission and rehabilitate the site in accordance with the approved Decommissioning and Rehabilitation Plan.													
<i>Schedule 3 - Condition 34</i> Within 18 months of the cessation of operations, unless the Planning Secretary agrees otherwise, the Applicant must rehabilitate the site to the satisfaction of the Planning Secretary. This rehabilitation must comply with the objectives in Table 3. <i>Table 3: Rehabilitation Objectives</i> <table><tr><th>Feature</th><th>Objective</th></tr><tr><td>Site</td><td> - Safe, stable and non-polluting - Minimise the visual impact of any above ground ancillary infrastructure agreed to be retained for an alternative use </td></tr><tr><td>Solar farm infrastructure</td><td> - All infrastructure to be decommissioned and removed, unless the Planning Secretary agrees otherwise - All underground cabling is to be removed, unless the Planning Secretary agrees otherwise </td></tr><tr><td>Land use</td><td> - Restore land capability to pre-existing use </td></tr><tr><td>Community</td><td> - Ensure public safety at all times </td></tr></table>	Feature	Objective	Site	- Safe, stable and non-polluting - Minimise the visual impact of any above ground ancillary infrastructure agreed to be retained for an alternative use	Solar farm infrastructure	- All infrastructure to be decommissioned and removed, unless the Planning Secretary agrees otherwise - All underground cabling is to be removed, unless the Planning Secretary agrees otherwise	Land use	Restore land capability to pre-existing use	Community	Ensure public safety at all times	EMS Section 5.11 DRP	Decommissioning	Proponent EPC
Feature	Objective												
Site	- Safe, stable and non-polluting - Minimise the visual impact of any above ground ancillary infrastructure agreed to be retained for an alternative use												
Solar farm infrastructure	- All infrastructure to be decommissioned and removed, unless the Planning Secretary agrees otherwise - All underground cabling is to be removed, unless the Planning Secretary agrees otherwise												
Land use	Restore land capability to pre-existing use												
Community	Ensure public safety at all times												
Environmental Management and Reporting													
Environmental Management Strategy													
<i>Schedule 4 - Condition 1</i>	EMS	Pre-construction Construction	Proponent EPC										

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Planning Secretary. This strategy must: (a) provide the strategic framework for environmental management of the development; (b) identify the statutory approvals that apply to the development; (c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development; (d) describe the procedures that would be implemented to: • keep the local community and relevant agencies informed about the operation and environmental performance of the development; • receive, handle, respond to, and record complaints; • resolve any disputes that may arise; • respond to any non-compliance; • respond to emergencies; and (e) include: • references to any plans approved under the Conditions of this consent; and • a clear plan depicting all the monitoring to be carried out in relation to the development. Following the Planning Secretary's approval, the Applicant must implement the Environmental Management Strategy		Operation	
Revision of Strategies, Plans and Programs			
<i>Schedule 4 - Condition 2</i> The Applicant must: (a) update the strategies, plans or programs required under this consent to the satisfaction of the	EMS Section 7.3	Pre-construction Construction Operation Decommissioning	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Planning Secretary prior to carrying out any upgrading or decommissioning activities on site; and (b) review and, if necessary, revise the strategies, plans or programs required under this consent to the satisfaction of the Planning Secretary within 1 month of the: • submission of an incident report under Condition 7 of Schedule 4; • submission of an audit report under Condition 9 of Schedule 4; or • any modification to the Conditions of this consent.			
Updating and Staging of Strategies, Plans or Programs			
<i>Schedule 4 - Condition 3</i> With the approval of the Planning Secretary, the Applicant may submit any strategy, plan or program required by this consent on a progressive basis. To ensure the strategies, plans or programs under the Conditions of this consent are updated on a regular basis, the Applicant may at any time submit revised strategies, plans or programs to the Planning Secretary for approval. With the agreement of the Planning Secretary, the Applicant may prepare any revised strategy, plan or program without undertaking consultation with all the parties referred to under the relevant Condition of this consent. <i>Notes:</i> • <i>While any strategy, plan or program may be submitted on a progressive basis, the Applicant must ensure that all development being carried out on site is covered by suitable strategies, plans or programs at all times.</i> • <i>If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.</i>	EMS Section 7.3	Pre-construction Construction Operation	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Notifications			
Notification to the Department <i>Schedule 4 - Condition 4</i> Prior to commencing the road upgrades, construction, operations, upgrading or decommissioning of the development or the cessation of operations, the Applicant must notify the Department in writing via the Major Projects website of the date of commencement, or cessation, of the relevant phase. If any of these phases of the development are to be staged, then the Applicant must notify the Department in writing prior to commencing the relevant stage, and clearly identify the development that would be carried out during the relevant stage.	EMS Section 7.4	Pre-construction Construction Operation	Proponent EPC
Final Layout Plans			
<i>Schedule 4 - Condition 5</i> Prior to commencing construction, the Applicant must submit detailed plans of the final layout of the development to the Department via the Major Projects website, including details on the siting of solar panels and ancillary infrastructure.	Detailed Design plans	Pre-construction	Proponent EPC
Work as Executed Plans			
<i>Schedule 4 - Condition 6</i> Prior to commencing operations or following the upgrades of any solar panels or ancillary infrastructure, the Applicant must submit work as executed plans of the development to the Department via the Major Projects website.	Final Design plans	Operation	Proponent EPC
Incident Notification			
<i>Schedule 4 - Condition 7</i>	EMS Section 7.4	Construction	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
The Planning Secretary must be notified via the Major Projects website immediately after the Applicant becomes aware of an incident. The notification must identify the development (including the development application number and the name of the development if it has one) and set out the location and nature of the incident. Subsequent notification requirements must be given, and reports submitted in accordance with the requirements set out in Appendix 7.	and 10.2 Appendix I	Operation	EPC
Non-compliance notification			
<i>Schedule 4 - Condition 8</i> The Department must be notified in writing via the Major Projects website within 7 days after the Applicant becomes aware of any non-compliance with the Conditions of this consent. The notification must identify the development and the application number for it, set out the Condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been done, or will be, undertaken to address the non-compliance.	EMS Section 7.4 and 11.3 Appendix I	Construction Operation	Proponent EPC
Independent Environmental Audit			
<i>Schedule 4 - Condition 9</i> Independent Audits of the development must be conducted and carried out in accordance with the Independent Audit Post Approval Requirements (2020) to the following frequency: (a) within 3 months of commencing construction; and (b) within 3 months of commencement of operations.	EMS Section 11.1	Construction Operation	Proponent EPC
<i>Schedule 4 - Condition 10</i> Proposed independent auditors must be agreed to in writing by the Planning Secretary prior to the commencement of an Independent Audit.	EMS Section 11.1	Construction Operation	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<i>Schedule 4 - Condition 11</i> The Planning Secretary may require the initial and subsequent Independent Audits to be undertaken at different times to those specified in Condition 9 of Schedule 4 upon giving at least 4 weeks' notice to the Applicant of the date upon which the audit must be commenced.	EMS Section 11.1	Construction Operation	Proponent EPC
<i>Schedule 4 - Condition 12</i> In accordance with the specific requirements in the Independent Audit Post Approval Requirements (2020), the Applicant must: (a) review and respond to each Independent Audit Report prepared under Condition 9 of Schedule 4 of this consent, or Condition 11 of Schedule 4 where notice is given by the Planning Secretary; (b) submit the response to the Planning Secretary; and (c) make each Independent Audit Report, and response to it, publicly available within 60 days of submission to the Planning Secretary, unless otherwise agreed by the Planning Secretary.	EMS Section 11.1	Construction Operation	Proponent EPC
<i>Schedule 4 - Condition 13</i> Independent Audit Reports and the Applicant's response to audit findings must be submitted to the Planning Secretary within 2 months of undertaking the independent audit site inspection as outlined in the Independent Audit Post Approvals Requirements (2020) unless otherwise agreed by the Planning Secretary.	EMS Section 11.1	Construction Operation	Proponent EPC
<i>Schedule 4 - Condition 14</i> Notwithstanding the requirements of the Independent Audit Post Approvals Requirements (2020), the Planning Secretary may approve a request for ongoing independent operational audits to be ceased, where it has been demonstrated to the Planning Secretary's satisfaction that independent operational audits have demonstrated operational compliance.	EMS Section 11.1	Construction Operation	Proponent EPC

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Access to information			
<i>Schedule 4 - Condition 15</i> The Applicant must: (a) make the following information publicly available on its website as relevant to the stage of the development: • the EIS; • the final layout plans for the development; • current statutory approvals for the development; • approved strategies, plans or programs required under the Conditions of this consent • the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged; • provide a 24hr telephone line and instruction as to how complaints or enquiries about the development can be made; • a complaints register; • any independent environmental audit, and the Applicant's response to the recommendations in any audit; and • any other matter required by the Planning Secretary; and (b) keep this information up to date.	EMS Section 9.2	Pre-construction Construction Operation	Proponent EPC

Appendix B Access points for the Project



Appendix C Environmental Legislation

Act	Activity / aspect	Requirement	Reference	Applicability
General				
<i>Protection of the Environment Operations Act 1997.</i>	Harming the environment.	Do not risk harming the environment by wilfully or negligently: disposing of waste unlawfully causing any substance to leak, spill or otherwise escape (whether or not from a container); or emitting an ozone depleting substance. The works do not trigger the requirement of Environmental Protection Licence under schedule 1.	S115 S116 S117	Yes
<i>Protection of the Environment Operations Act 1997.</i>	Notification of Pollution incidents.	Notify the EPA, NSW Ministry of Health via local Public Health Unit, Safe Work NSW, Local authority and Fire and Rescue NSW immediately of pollution incidents where material harm to the environment is caused or threatened.	S148	Yes
<i>Dangerous Goods (Road and Rail Transport) Act 2008.</i>	Hazards and risks.	Ensure that dangerous goods are transported in a safe manner.	S9	Yes
<i>Pesticides Act 1999.</i>	Hazards and risks.	Use pesticides in an environmentally sensitive manner. Do not use an unregistered pesticide without a permit. Read the label or permit for the pesticide. Use registered pesticides in accordance with instructions on the label. Do not use any restricted pesticide unless authorised by a certificate of competency or a pesticide control order under the Act. Compliance with pesticide codes of practice is required.	S12 S13 S14 S15 S17	Yes
<i>National Greenhouse and</i>	Greenhouse gas emissions.	Accounting and reporting of greenhouse gases produced	-	Yes

Act	Activity / aspect	Requirement	Reference	Applicability
<i>Energy Reporting Act, 2007 and Regulations 2008.</i>		and energy consumed during construction. Applicability dependent on thresholds.		
<i>Privacy and Personal Information Protection Act 1998 (NSW).</i>	Community Liaison.	Legislation relevant to community liaison.	-	Yes
<i>Environmental Planning and Assessment Act 1979.</i>	All	Comply with approved Conditions.	Part 4, s4.10	Yes
Water				
<i>Water Management Act 2000.</i> With the exception of controlled activity approvals, the Water Management Act 2000 (WM Act) only applies in relation to those water sources covered by operational water sharing plans – these areas cover most of the State's major regulated river systems.	Water access and use.	Do not take water from a water source (a lake, river or estuary or place where water occurs naturally on or below the surface of the ground and includes coastal waters) without an access licence. Do not use of water on land (unless supplied by a water utility, irrigation corporation etc. or in accordance with basic landholder rights) without a water use approval.	S56 S60A S89 S 89 S91A	Yes
<i>Protection of the Environment Operations Act 1997.</i>	Water pollution	Do not cause water pollution.	S120 S122	Yes

Act	Activity / aspect	Requirement	Reference	Applicability
Noise				
<i>Protection of the Environment Operations Act 1997.</i>	Plant maintenance and operation.	Do not operate plant if it emits noise caused by poor maintenance or operation.	S139	Yes
<i>Protection of the Environment Operations Act 1997.</i>	Materials management.	Do not cause noise by failing to properly and efficiently deal with materials.	S140	Yes
Contaminated soil				
<i>Protection of the Environment Operations Act 1997.</i>	Land pollution.	Do not cause or permit land pollution other than under authority of a licence or regulation (However it is not a land pollution offence to place virgin excavated natural material or lawful pesticides and fertilisers on land, or by placing matter on land that has been notified to the EPA as an unlicensed landfill and which is operated in accordance with the regulations.)	S142A – S142E	Yes
<i>Contaminated Land Management Act 1997.</i>	Reporting contamination.	Notify the EPA if contaminants exceed thresholds contained in guidelines or the regulations where contamination has entered or will foreseeably enter neighbouring land, the atmosphere, groundwater or surface water. Contaminants in soil are equal to or exceed guideline levels with respect to the current or approved use of the land. Contamination meets other criteria that may be prescribed by the regulations.	S60	Yes
Biodiversity				

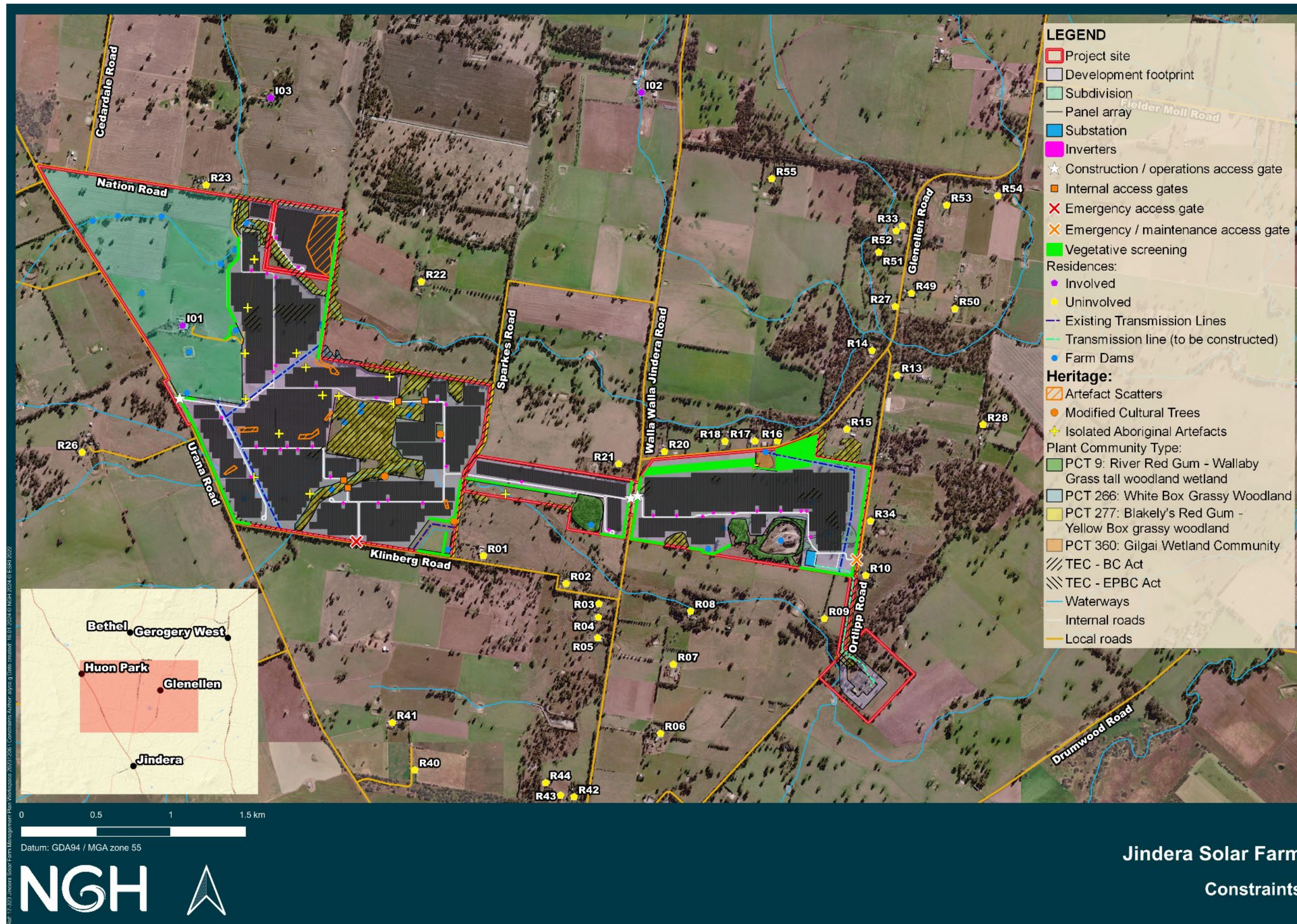
Act	Activity / aspect	Requirement	Reference	Applicability
<i>Biosecurity Act 2015.</i>	Weed, pest and disease control.	The duty to prevent, eliminate and minimise biosecurity risks posed by biosecurity matters as defined by the Act.	s22 Schedule 1	Yes
<i>Biosecurity Regulation 2017.</i>	Pests and diseases.	Notify the presence any pest or disease listed in Schedule 1 of the Biosecurity Regulation 2014, within 1 working day after suspecting or becoming aware of the pest or disease.	cl. 7, Schedule 1	Yes
<i>Biodiversity Conservation Act 2016.</i>	Threatened flora and fauna.	Do not harm any animal that is; of a threatened species, that is part of a threatened ecological community or is a protected animal, unless authorised under other legislation (e.g. planning approval). Do not damage habitat of a threatened species or ecological community unless authorised under other legislation (e.g. planning approval). Do not damage declared areas of outstanding biodiversity value unless authorised under other legislation (e.g. planning approval). Do not pick a plant that is; of a threatened species, that is part of a threatened ecological community or is a protected plant, unless authorised under other legislation (e.g. planning approval).	S2.1-2.4 S2.8	Yes
<i>Fisheries Management Act 1994.</i>	Mangroves, seagrasses and marine vegetation.	Do not harm any mangroves, seagrasses or other marine vegetation on public water land protected by the regulations without a permit.	S205	No
<i>Fisheries Management Act 1994.</i>	Fish passage.	Do not block fish passage without a permit.	S219	No, Project is exempt
<i>Environment Protection Biodiversity Conservation Act 1999</i>	Flora and fauna conservation.	Comply with the terms of any EPBC Act approval for the Project.	N/A	Not applicable to this Project as EPBC Approval

Act	Activity / aspect	Requirement	Reference	Applicability
(Commonwealth).				not required to be obtained.
Waste				
<i>Protection of the Environment Operations Act 1997.</i>	Littering.	Do not litter in a public place or an open private place. Do not litter from a vehicle. Only deposit advertising material in receptacles provided for mail or newspapers or under the door of the premises. Do not deposit advertising material on or in vehicles.	Part 5.6A	Yes
<i>Protection of the Environment Operations Act 1997.</i>	Waste and transportation.	Do not undertake a scheduled waste activity unless in accordance with an environment protection licence. Refer also to the Resource Recovery Exemptions.	Part 3.2 Schedule 1	Yes
		Only transport waste to a facility that can lawfully accept the waste within 150 km from Project.	S143	Yes
		Do not dispose of waste in a manner that harms or is likely to harm the environment.	S115	Yes
<i>Protection of the Environment Operations (Waste) Regulation 2014.</i>	Waste and transportation.	Comply with general requirements for the transport of waste. For example, any vehicle used by the person to transport waste must be kept in a clean Condition and be maintained so as to prevent spillage of waste. For some wastes only licensed transporters can be used.	Regulation cl.49	Yes
	Comply with record keeping requirements in relation to the transport of certain types of waste.	Regulation Part 3.	Yes	Comply with record keeping requirements in relation to the transport of certain

Act	Activity / aspect	Requirement	Reference	Applicability
				types of waste.
Heritage				
<i>Heritage Act 1977.</i>	Heritage.	Do not undertake an activity that will affect a place, building, work, relic, moveable object or precinct which is subject to an Interim Heritage Order or is listed on the State Heritage Register without approval from the Heritage Council.	S56-57	Yes
		Do not disturb or excavate land with knowledge or reasonable cause to suspect that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed; or Do not disturb or excavate land on where a relic has been discovered or exposed unless an excavation permit in place.	S139	No
		Notify the heritage Council on discovery of a relic.	S146	Yes
		Give the Heritage Council at least 14 days' notice before removing or demolishing any item listed in a Section 170 register.	S170A	Yes
<i>National Parks and Wildlife Act 1974.</i>	Aboriginal places and objects.	Do not harm or desecrate an Aboriginal object or Aboriginal place without consent.	S86 S90	Yes
	Notify the NPWS within reasonable time of becoming aware of the location or discovery of certain Aboriginal objects.	S89A	Yes	Notify the NPWS within reasonable time of becoming aware of the location or discovery of

Act	Activity / aspect	Requirement	Reference	Applicability
				certain Aboriginal objects.
<i>Aboriginal and Torres Strait Islander Heritage Protection Act 1984 (Commonwealth).</i>	Protection of areas and objects.	Report any discovery of Aboriginal remains to the Federal Minister for the Environment and Heritage.	S20	Yes

Appendix D Approved Project Layout



Appendix E Complaints Procedure

E.1 Complaints Procedure

Overview

Jindera Solar Farm (the Proponent) takes all complaints very seriously and aims to acknowledge and resolve complaints in a timely manner.

This document sets out our commitment to the public regarding the management and resolution of complaints. It is made available on our website.

What is a complaint and who can make a complaint?

We define a complaint as an expression of dissatisfaction made to or about Jindera Solar Farm, related to its services, staff or the handling of a complaint, where a response or resolution is explicitly or implicitly expected or legally required.

It is helpful to us if complainants clarify that they are lodging a complaint rather than an enquiry.

We acknowledge that anyone has a right to lodge a complaint and we will ensure that all the complaints we receive will be managed respectfully, objectively, and efficiently.

How to make a complaint

You can lodge a complaint by:

- Using our online form - <http://www.jinderasolarfarm.com.au>
- Calling us on (02) 8000 0889. Please note this is an answering service and we will call you back after we receive your message.
- Emailing us on the address info@jinderasolarfarm.com.au
- Contacting us on the Project website, <http://www.jinderasolarfarm.com.au/contact-us/>
- In person by prior arrangement via our head office.

The more detail you can include in your complaint, the easier it is for us to try and find a resolution.

What we do when you make a complaint

Where your complaint is made in person, we will acknowledge and provide an initial response immediately if possible, or if it is not possible, on the following working day.

Where your complaint is made by phone, email or via the website, we will ensure that we provide an initial response by the following working day.

If your complaint is received by post with no email or phone contact details provided, we will provide a written response within five working days.

If a complaint cannot be resolved at the time it is raised, a proposed resolution will be provided or updated within five working days. You can also contact us to check how your complaint is progressing at any time.

We are committed to resolving all complaints promptly. However, some complaints are complex and may take longer than five days to resolve. We will contact you when further investigation is needed and will keep you informed regarding the progress of your complaint.

In all instances, we will let you know the results of our investigations and how we propose to resolve your complaint. We will aim to include the following in our response:

1. What actions we have taken.
2. A summary of the outcome.
3. The reasons behind any decisions made.
4. Any remedy or resolutions offered.

We will request feedback from you on whether you consider your complaint closed. Depending on your feedback we will close your complaint. However, if no response is received from yourself within 10 working days, the complaint will be considered closed.

If you would like your complaint further investigated

If you feel we have not resolved your complaint to your satisfaction, then you can escalate your complaint by contacting the following offices:

- Office of the National Wind Farm Commissioner (also covers large scale solar farms)
 - Website - <https://www.nwfc.gov.au/>
 - Email - nwfc@environment.gov.au
 - Post - National Wind Farm Commissioner, PO Box 24434, Melbourne VIC 3001
 - Telephone – 1800 656 395
- NSW Department of Planning, Industry and Environment Compliance Team
 - Phone - 1300 305 695
 - Email - information@planning.nsw.gov.au
- Environmental Protection Authority (EPA)
 - Website - <http://www.epa.nsw.gov.au/>
 - Environment Line phone - 131555

Complaints Register

In accordance with Schedule 4, Condition 1 of the CoC, Jindera Solar farm is obliged to record all complaints in a Complaints Register. Privacy is very important and information will be kept confidential. An anonymous version of this Complaints Register is available on proponents' website. It is updated monthly.

E.2 External Complaints Register (example)

Date	Time	Mode of contact	Complaint details	Environmental incident (Y/N?)	Complainant name <i>(column not to be included in register posted on website)</i>	Complainant contact details <i>(column not to be included in register posted on website)</i>	Recorded by (Staff member)	Follow up date	Followed up by? (Staff member)	Corrective action/complaint outcome	Complainant response

Appendix F Spill Response Procedure (example)

1.	Raise the Alarm / Seek Assistance: Where possible notify your Supervisor/Manager and/or Emergency Services if spill (release) is too large.	
2.	Stop the spill at the source (if safe to do so): - Turn off a valve or stabilise the container. - Never put yourself at risk of harm from the spilled substance.	
3.	Secure the spill area/make safe: Use barriers or other people to prevent entry.	
	Prevent fire/explosion by removing sources of ignition and turning off spark generating equipment.	
4.	Identify the substance spilled: - Determine the danger posed by the substance (e.g. flammable, toxic, explosive, etc.). - Is it safe to clean up?	
5.	Personal Protection: - Do not attempt to clean up the spill if there is any uncertainty that it can be done safely. - Wear Personal Protective Equipment (PPE) (e.g. gloves, goggles, coveralls, etc.) if necessary.	
6.	Surround the spill: Using absorbent socks or pillows to prevent fluid spreading or entering drains/waterways OR protect areas that can be damaged by the spill (e.g. put a sock in front of the waterway OR create a bund between the spill and the waterway).	
7.	Cover the spill area with absorbent pads.	
8.	Check all areas for further contamination (e.g. drains, soil, etc.).	

9.	Disposal • Collect all contaminated material and place in waste bags provided in the spill kit. • Wear correct Personal Protective Equipment (PPE) (e.g. gloves, masks, etc.) when picking up the socks and pads. • Waste to be disposed of at a licensed site.	
10.	Reporting Record cause of spill and outcome to Site Supervisor/Manager or HSE Advisor such that a Hazard and Incident Report (Form FM-11) can be completed.	
11.	Restock Spill Kit • Ensure that any equipment used during the response is checked and replaced as necessary • Refer to Spill Kit Inventory List below for item and quantity.	

Appendix G Environmental Policy

Environmental Policy Statement

Jindera Solar Farm Pty Ltd is committed to minimising the impact of our operations on the environment. We are committed to the principles of sustainable development and to ensure all business operations are conducted with the priority of protecting the environment around us.

To achieve this Jindera Solar Farm Pty Ltd will:

- comply with all applicable state and federal Environmental legislations;
- reduce the impacts of our business and operations on the environment and community;
- minimise pollution, reduce consumption, and focus on strategies that promote sustainability, recycling and waste minimisation
- continuously improve our Environmental Management System and our performance through developing and reviewing objectives and targets, policies and practices;
- protect, conserve and improve the environment through procurement of programs, partners, products and services which take into account their environmental impacts, and are aligned with our own Environmental Policy Statement;
- ensure our employees receive the required training to ensure they are appropriately equipped to carry out the principles of this policy statement;
- share our objectives and commitments with employees and stakeholders and ensure that those are achieved.



Tae Hong Kim
Director

Date: 05 June 2020

Appendix H WHS policy

Work Health and Safety Policy Statement

Jindera Solar Farm Pty Ltd is committed to creating a culture where Health and Safety are at the core of values for corporate management. We will always conduct our business in a manner that protects the Health and Safety of every person in our workplaces and the environment around us.

To achieve this Jindera Solar Farm Pty Ltd will:

- comply with all applicable state and federal Work Health and Safety legislations;
- minimise adverse impacts of our operations on the community and the environment;
- establish and promote goals for Health and Safety for all employees, to show Work Health and Safety are at the core of all aspects of our operations;
- continuously improve Work Health and Safety management systems and improve performance through proactively identifying and controlling hazards and risks in the workplace;
- ensure our employees receive the required training regarding relevant Work Health and Safety matters and activities;
- share our objectives and commitments with employees and stakeholders and ensure that those are achieved.



Tae Hong Kim
Director

Date: 05 June 2020

Appendix I Environmental Incident Response Procedure (Example)

I.1 Internal Reporting

Any incident that occurs with the potential to cause an environmental impact will be reported immediately to the Site Manager and the Health, Safety, Environment and Quality (HSEQ) Manager. The environmental due diligence induction will emphasise this obligation to all contractors and personnel working on-site. This procedure details the protocols to be followed in the event of an environmental incident, as distinct from an emergency situation.

H.2 Immediate Response

Upon receiving notification of an incident with the potential to cause an environmental impact, the HSEQ Manager will immediately attend the incident. The HSEQ Manager will then:

- Isolate the area affected by the incident.
- Stop works around the area.
- Implement containment measures to prevent the impact of the incident spreading.
- Make a determination as to the significance of the potential environmental impact and, as appropriate, undertake appropriate external notifications.

H.3 External Notifications

H3.1 Material harm

EPA notification is required where a pollution incident occurs in the course of an activity such that material harm to the environment is caused or threatened.

Material harm to the environment is defined in Section 147 of the POEO Act 1997 as follows:

- It involves actual or potential harm to the health or safety of humans or to ecosystems that is not trivial.
- It results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000 (or such other amount as is prescribed by the regulations).
- Loss includes the reasonable costs and expenses that will be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment.

The HSEQ Manager, as soon as the immediate response actions have been implemented, will determine whether material harm has been caused or is threatened.

H.4 Agency Notification

If the HSEQ Manager determines material harm exists, relevant agencies will be immediately notified and provided the following relevant information:

- The time, date, nature, duration and location of the incident.
- The location of the place where pollution is occurring or is likely to occur.

- The nature, the estimated quantity or volume and the concentration of any pollutants involved, if known.
- The circumstances in which the incident occurred (including the cause of the incident, if known).
- The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution, if known.

As part of agencies notification, the HSEQ Manager will inform DPE of the situation as required by Schedule 4 Condition 1. This initial notification will be for information purposes and a continued response to the situation and any instruction or request from the agencies will occur. DPE will be notified as soon as practicable and at the same time as the EPA or other agencies. The agencies to be notified include:

- NSW EPA as the appropriate regulatory authority (ARA) on 131 555 or (02) 9995 5555.
- The NSW Ministry of Health 02 9391 9000.
- Safe Work NSW (formerly WorkCover) on 13 10 50.
- The local authority, Greater Hume Shire Council on 1300 765 002.
- Fire and Rescue NSW on 000 or for Mobiles Only 112.
- Jindera Bush Fire Brigade 128 Urana Rd, Jindera NSW 2642 -35.957656, 146.88973 (02) 60511 511

H.5 No Material Harm

Where an incident has occurred that has not resulted in material harm, the HSEQ Manager will immediately investigate and record the following relevant information:

- The time, date, nature, duration and location of the incident.
- The location of the place where pollution is occurring or is likely to occur.
- The nature, the estimated quantity or volume and the concentration of any pollutants involved, if known.
- The circumstances in which the incident occurred (including the cause of the incident, if known).
- The action taken or proposed to be taken to deal with the incident and any resulting pollution or threatened pollution, if known.

This information will be used to establish measures to avoid a reoccurrence or escalation in scale in the future.

H.6 Incident Investigation

H6.1 Avoid recurrence

As soon as the incident has been contained and external notifications undertaken, the HSEQ Manager will then undertake an incident investigation. One purpose of the investigation will be to identify and understand the cause of the incident with a view to modifying procedures to avoid the potential for a recurrence. The types of preventative actions taken could include revision to a Construction Work Method Statement (WMS) or undertaking targeted environmental due diligence sessions at toolbox meetings prior to works recommencing.

H6.2 Restoration

The other purpose of the incident investigation will be to define the appropriate remediation work required to address any biophysical impact of the incident. The appropriate remediation work (if required) will be determined by the specific circumstances of the incident.

H.7 Incident Reporting

H7.1 Documentation

Any environmental incident will be recorded on an Environmental Incident Report and an updated Environmental Incidents Register will be maintained throughout the construction period.

Each Environmental Incident Report will include details on:

- The date, time and duration of the incident.
- Clarify whether there was material harm to the environment.
- Detail the nature of the incident.
- Weather Conditions.
- The location of the incident.
- Pollutants involved.
- Circumstances in which the incident occurred.
- Corrective action taken; external notification (EPA).

H.8 Dissemination

For any environmental incident for which there is no material harm, the HSEQ Manager will file a copy of the incident report follow the investigation. A summary of Environmental Incident Reports will be retained for reporting requirements and made available to agencies on request.

For an incident in which material harm has or could have resulted and the EPA has been notified, the HSEQ will provide reporting to the EPA as may be instructed, in accordance with the timeframes that may be so specified by the EPA.

Copies of any EPA reporting associated with an environmental incident will also be provided to the DPE and Greater Hume Shire Council.