



NGH



ENVIRONMENTAL MANAGEMENT STRATEGY

Sebastopol Solar Farm

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Project Number: 20-495



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ACRONYMS AND ABBREVIATIONS

BCD	DPIE Biodiversity Conservation Division (formerly OEH)
BFMP	Bush fire management plan
BMP	Biodiversity Management Plan
CCP	Community Consultation Plan
CoC	Condition(s) of Consent
CEMP	Contractors Environmental Management Plan
DPE	(NSW) Department of Planning and Environment (now DPIE)
DRP	Decommissioning and Rehabilitation Plan
Cwth	Commonwealth
DPIE	(NSW) Department of Planning, Industry and Environment (formerly DPE)
EIS	Environmental Impact Statement
EMS	Environmental Management Strategy
EPA	NSW Environment Protection Authority
EPBC Act	(Cwth) <i>Environment Protection and Biodiversity Conservation Act 1999</i>
EP&A Act	(NSW) <i>Environmental Planning and Assessment Act 1979</i>
EPC	Engineering Procurement & Construction
ESCP	Erosion and Sediment Control Plan
FM Act	(NSW) <i>Fisheries Management Act 1994</i>
FRP	Flood Response Plan
ha	hectares
Heritage Act	(NSW) <i>Heritage Act 1977</i>
CHMP	Heritage Management Plan
HSEQ	Health Safety and Environmental Quality
km	kilometres
m	metres
MNES	Matters of National environmental significance under the EPBC Act (<i>c.f.</i>)
NMP	Noise Management Plan

NPW Act	<i>National Parks and Wildlife Act 1974 (NSW)</i>
NSW	New South Wales
OEH	Former (NSW) Office of Environment and Heritage, now BCD
Project	All activities relating to the Sebastopol Solar Farm
Proponent	Sebastopol Solar farm Pty Ltd
SCRP	Spill and Contamination Response Plan
SEPP	(NSW) State Environmental Planning Policy
SWMP	Soil and Water Management Plan
TMP	Traffic Management Plan
WMS	Work Method Statement
WTP	Workforce Transport Plan

1. INTRODUCTION

1.1. PURPOSE AND OBJECTIVES

Sebastopol Solar Farm received modified planning approval on 1 July 2020 for the construction and operation of an up to 110 megawatt (MW) capacity direct current (DC) photovoltaic (PV) solar farm.

FRV Services Australia (FRV) acquired the proposed development in August 2020 from the original developer, IB Vogt. FRV is a global company with over 40 operational renewable energy projects across the world including four operational utility solar farms across Australia and an additional project under construction near Parkes, NSW. FRV aims to be at the forefront of the global energy transition to renewables, while setting the highest standards of quality, community engagement, technical innovation and commitment to service delivery, from planning to operations of assets for single and portfolios of customers, suppliers and investors.

FRV pioneered Australia's first ever utility-scale solar farm in the Australian Capital Territory (ACT) (Royalla Solar Farm) and as a global operator of renewable assets, FRV has a clear strategy to manage its projects through design, construction and the full operational lifecycle. Numerous other projects are under development and consideration by FRV.

The Sebastopol Solar Farm (the Project) would be located on a rural property approximately 17 kilometres (km) south of Temora, New South Wales (NSW).

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

- Conditions of Consent (CoC) from the New South Wales Minister for Planning.
- Environmental Impact Statement (EIS) (NGH Environmental 2018).
- Submissions Report (NGH Environmental, 2018).
- All applicable legislation during the construction of the Project.

The EMS has been prepared using the *Guideline for the Preparation of Environmental Management Plans* (DIRNP, 2004) and the *Draft Post Approval Guideline for Environmental Management Plans* (DPE 2018) as a guide in its preparation. This EMS has been prepared for the construction and operation component of the Project.

The purpose of this EMS is to provide a framework for the management of environmental issues during construction and operation of the Project. Implementing this EMS will ensure that the Project team meets the Project's CoC, 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.

1.2. THE PROJECT

1.2.1. Scope of works

The scope of works under the planning approval includes all works necessary to design, construct, test, commission, energise, decommission, 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 consists of but is not limited to:

- Approximately 223,000 PV solar panels mounted on a single tracking system.
- Battery storage, allowing energy to be stored on-site during periods of low demand and released to the network during periods of higher demand. Battery storage would be constructed in a subsequent phase of the project.
- Electrical conduits and transformers.
- On site substation.
- Site office, parking access tracks and perimeter fencing.
- Electrical transmission infrastructure and overhead transmission line to connect the proposal to the existing 132 kilovolt (kV) transmission line located at the west end of the
- site.
- Internal access roads.
- Upgrade to existing roads.
- Onsite vegetative screening.

The construction period of the solar farm will last for approximately 10 to 12 months from the commencement of site establishment work.

1.2.2. Site access

A single access points to the development site was identified in the EIS:

- The development area would be accessed from Eurolee Road on the southern boundary of the subject land. The access entrance would be approximately 1.4 km from Goldfields Way at a new gate entrance. This access point would be used during construction and operation and would be suitable for all vehicles including heavy and oversized vehicles.

Prior to the commencement of construction, road upgrades would be undertaken in accordance with CoC Schedule 3 Condition 4 and will include:

- a) Upgrade and seal Eurolee Road for a minimum of 380 m from its intersection with Goldfields Way (as identified in the figure in CoC Appendix 3).
- b) Upgrade the intersection of the Goldfields Way and Eurolee Road, including providing a Basic Right Turn (BAR) and Basic Left Turn (BAL) intersection treatment generally in accordance with the figure in CoC Appendix 5.
- c) Upgrade the site access point off Eurolee Road 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 road authority.

1.2.3. Construction hours

Construction hours will be limited to Monday to Friday 7:00am to 6:00pm, and Saturday 7:00am to 1:00pm unless otherwise permitted under the Project Approval. In accordance with CoC Schedule 3 Condition 12 activities that may be undertaken outside these hours without approval include:

- Activities inaudible at non-associated receivers.
- Delivery of materials as requested by the NSW Police Force or other authorities for safety reasons.
- Emergency work to avoid loss of life, property and/or material harm to the environment.

1.2.4. Construction staging

The construction will be staged. This EMS covers the following stages as shown in Table 1-1

Table 1-1 Construction stages

Activity	Project phase	EMS relevance to activity
<ul style="list-style-type: none"> • Road upgrades/maintenance works on Eurolee Road and the Eurolee Road/ Goldfields Way intersection as required for access. 	Prior to construction	Not relevant
<ul style="list-style-type: none"> • The main construction activities. Note this work is expected to be undertaken by an EPC contractor (Beon) including: <ul style="list-style-type: none"> ○ 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 steel post and framing system for the solar panels. ○ 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 and connections. ○ Construction of battery storage units (to be undertaken in a subsequent phase of the project). ○ Removal of temporary construction facilities and rehabilitation of disturbed areas. 	Construction	Relevant
<ul style="list-style-type: none"> • Road upgrades/maintenance works on Eurolee as required following a dilapidation assessment. Note that this stage may not be required for the project and may not be completed. 	Post-construction	Relevant

An infrastructure layout for the Project is shown in Figure 1-1. The approved project layout is provided in Appendix A.

1.2.5. Contracting structure

The Sebastopol Solar Farm will be delivered through the following contracts:

- Contract between the Proponent, Junee Shire Council (JSC) and Transport for NSW (TfNSW) or a reputable civil works company for upgrades to Eurolee Road and the Eurolee Road/Goldfields Way intersection in accordance with CoC Schedule 3 Condition 4.
- Contract between Proponent and Essential Energy for construction of an on-site 33/132 kV substation and connection of that substation to the existing electricity network.
- Contract between Proponent and Beon for the remainder of the works, including the design and construction of the solar array (the EPC Contract).

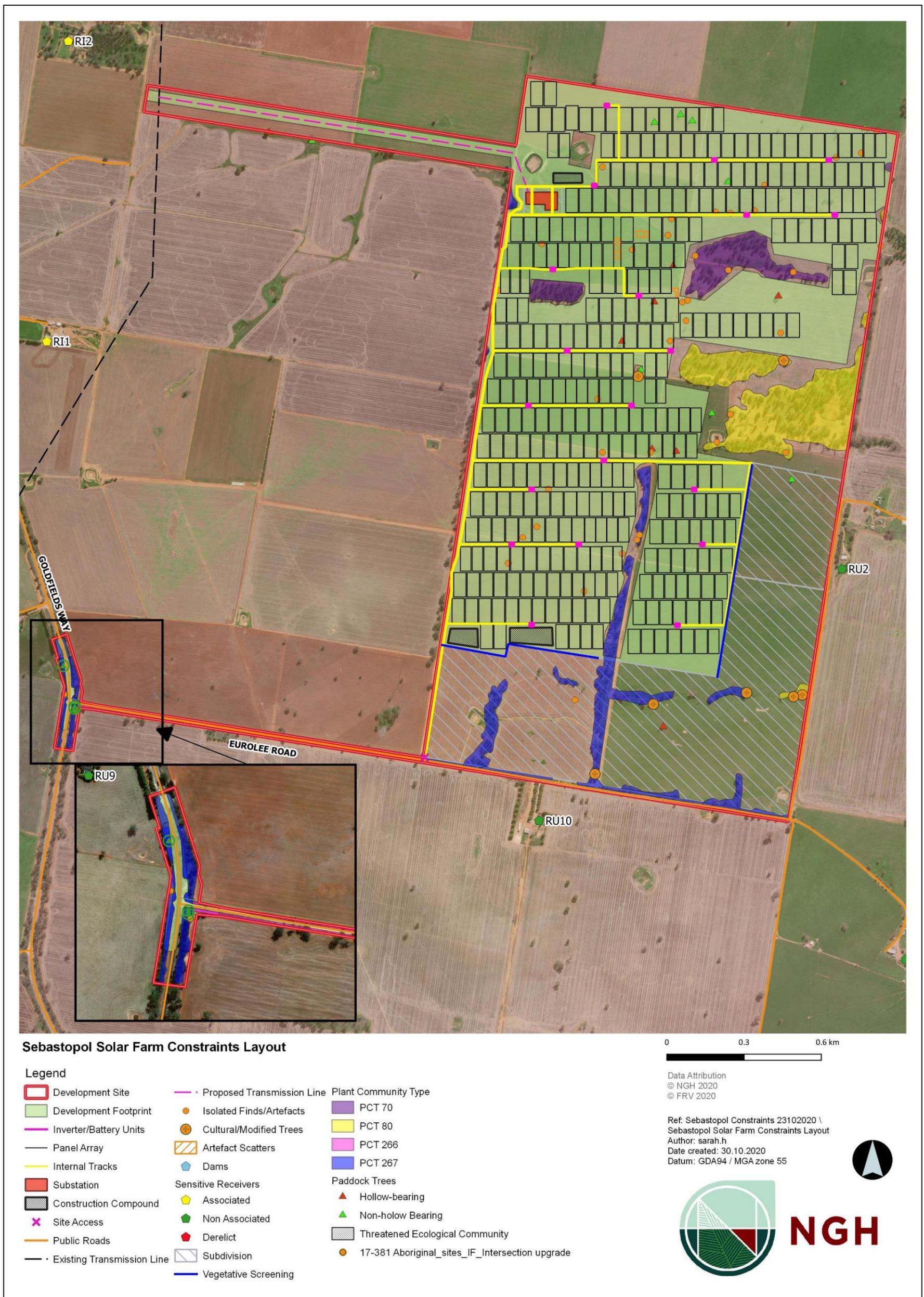


Figure 1-1 Site infrastructure plan showing key environmental constraints

1.3. ENVIRONMENTAL MANAGEMENT STRATEGIC FRAMEWORK

The Proponent will provide a full-time site representative during construction and will have a contract with an Owner's Engineer who will provide technical and compliance advice through construction.

All construction contractors will have an environmental policy in place which will be adhered to during construction. The Proponent has considered Beon's environmental policy as part of the contractor selection process. The requirements of the CoC, EIS, Submissions Report and Amendment 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 Contractors Environmental Management Plan (CEMP) detailing how they will comply with the EMS and Project Approvals.

In the operational phase, the solar farm will be operated by the Proponent. Essential Energy will operate and maintain its own substation which is constructed for the project. Once the public road works are completed for the Project, the roads will return to being managed and maintained by JSC and TfNSW.

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.

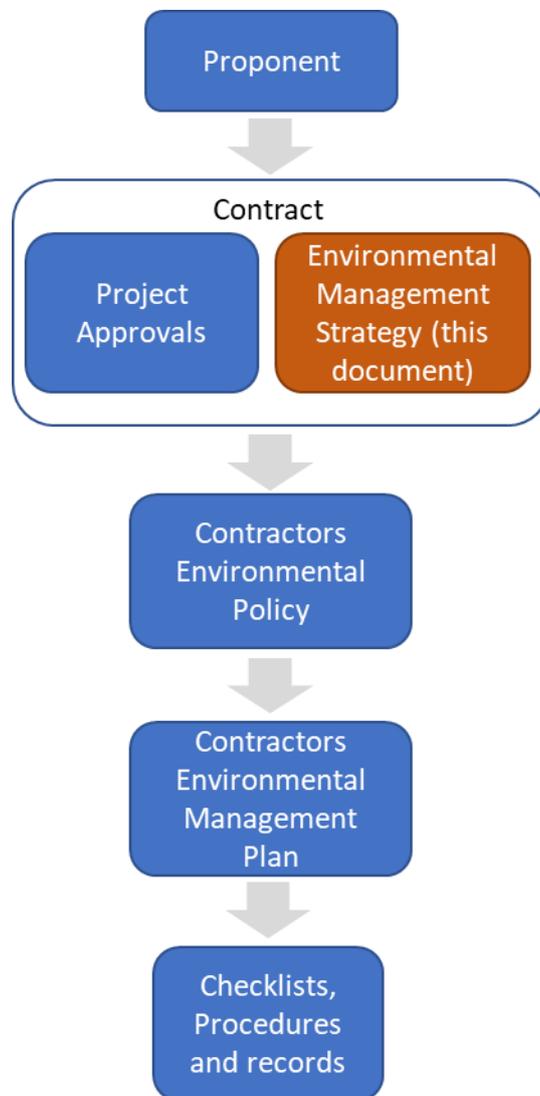


Figure 1-2 Strategic framework for environmental management

1.4. ENVIRONMENTAL POLICY

The Proponent has considered Beon's Environmental Policy as part of the contractor selection process. Beon's Environmental Policy includes a commitment to manage its activities in such a way that reduces their environmental impact to a practical minimum and is compatible with this EMS.

Beon's Environmental Policy will be displayed at the site office and communicated to employees and other interested parties via inductions and ongoing awareness programs.

1.5. 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.

2. PLANNING

2.1. LEGISLATIVE AND OTHER ENVIRONMENTAL MANAGEMENT REQUIREMENTS

A register of legal obligations for the Project is contained in Appendix D. This obligations register is maintained as a checklist with timeframes for required actions and will be reviewed at regular intervals e.g. during management reviews and updated with any applicable changes. Any changes made to the obligations 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 targets are incorporated into the relevant environmental management plans listed in Table 5-1 in section 5.

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 statutory approvals.	Audits, construction compliance reporting, management review.
Construction of the Project in accordance with approved environmental management plans	Compliance with EMS and environmental management plans. Compliance with relevant environmental procedures.	Audits, 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.	Address non-conformances and corrective actions within specific timeframes.	Audits, management review.
Engage with the affected and broader community, minimise complaints and respond to any complaints within a suitable timeframe.	Disseminate regular Project updates and other information through the Project website and other tools identified in the project's Community and Stakeholder Engagement Plan (CSEP).	Review complaints register, construction compliance report, audits.

Objective	Target	Measurement tool
	Record and respond to complaints in accordance with timeframes specified in the CSEP.	
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 AND COMPLIANCE TRACKING

Each CoC and where they are addressed in the EMS are detailed in Table 2-2 and Table 2-3.

Preparation of an EMS prior to the commencement of construction is a requirement of Condition 1 of Schedule 4.

Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the 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.
- e) Include:
 - References to any plans approved under the CoC.
 - A clear plan depicting all the monitoring to be carried out in relation to the development.

Following the Secretary's approval, the Applicant must implement the Environmental Management Strategy.

Table 2-2 Schedule 3 and where they are addressed in the EMS/ Management Plans (condition modifications in red)

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Over-Dimensional and Heavy Vehicle Restrictions			
Schedule 3 Condition 1 The Applicant must ensure that the: <ul style="list-style-type: none"> • development does not generate more than: <ul style="list-style-type: none"> • 66 heavy vehicle movements a day during construction, upgrading or decommissioning. • 4 over-dimensional vehicle movements during construction, upgrading and decommissioning. • 2 heavy vehicle movements a day during operations; on the public road network. • length of any vehicles (excluding over-dimensional vehicles) used for the development does not exceed 26 metres unless the Secretary agrees otherwise. 	TMP (section 6)	Pre-construction Construction	Proponent/Beon
Schedule 3 Condition 2 The Applicant must keep accurate records of the number of over-dimensional and heavy vehicles entering or leaving the site each day.	TMP (section 7)	Construction Operation	Proponent/Beon
Designated Over-Dimensional and Heavy Vehicle Access Route			
Schedule 3 Condition 3 All over-dimensional and heavy vehicles associated with the development must travel to and from the site via Goldfields Way and Eurolee Road and use the approved existing site access point on Eurolee Road, as identified in the figure in Appendix 3 of the Conditions of Consent.	TMP (section 7)	Pre-construction Construction Operations	Proponent and all Contractors.

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<p><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></p>			
<p>Road Upgrades and Site Access</p>			
<p>Schedule 3 Condition 4</p> <p>Prior to commencing construction, the Applicant must:</p> <ul style="list-style-type: none"> a) upgrade and seal Eurolee Road for a minimum of 380 m from its intersection with Goldfields Way (as identified in the figure in Appendix 3). b) upgrade the intersection of the Goldfields Way and Eurolee Road, including providing a Basic Right Turn (BAR) and Basic Left Turn (BAL) intersection treatment generally in accordance with the figure in Appendix 5. c) upgrade the site access point off Eurolee Road with a Rural Property Access type treatment to cater for the largest vehicle accessing the site. <p>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.</p>	<p>TMP (section 6.2)</p>	<p>Pre-construction</p>	<p>Proponent</p>
<p>Operating Conditions</p>			
<p>Schedule 3 Condition 5</p> <p>The Applicant must ensure:</p> <ul style="list-style-type: none"> 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. 	<p>TMP (section 6.2 and section 6.4)</p>	<p>Operation</p>	<p>Proponent and all contractors</p>

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<p>d) all vehicles are loaded and unloaded on site and enter and leave the site in a forward direction.</p> <p>e) development-related vehicles leaving the site are in a clean condition to minimise dirt being tracked onto the sealed public road network.</p>			

Traffic Management Plan

<p>Schedule 3 Condition 6</p> <p>Prior to commencing construction, the Applicant must prepare a Traffic Management Plan for the development in consultation with TfNSW and Council, and to the satisfaction of the Secretary. This plan must include:</p> <p>a) details of the transport route to be used for all development-related traffic.</p> <p>b) a protocol for undertaking independent dilapidation surveys to assess the.</p> <ul style="list-style-type: none"> • existing condition of Goldfields Way and Eurolee Road on the transport route prior to construction, upgrading or decommissioning activities. • condition of Goldfields Way and Eurolee Road on the transport route following construction, upgrading or decommissioning activities. <p>c) a protocol for the repair of Goldfields Way and Eurolee Road if dilapidation surveys identify that the road/s have been damaged during construction, upgrading or decommissioning works.</p> <p>d) details of the road upgrade and site access works required by conditions 3 and 4 of Schedule 3 of this consent.</p> <p>e) details of the measures that would be implemented to minimise traffic impacts during construction, upgrading or decommissioning works, including:</p> <ul style="list-style-type: none"> • temporary traffic controls, including detours and signage. • notifying the local community about project-related traffic impacts. 	TMP	Pre-construction	Proponent
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> • procedures for receiving and addressing complaints from the community about development related traffic. • minimising potential for conflict with the Travelling Stock Route, school buses and other motorists, as far as practicable. • details of the employee shuttle bus service and measures to encourage employee use of this service. • 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. • responding to any emergency repair or maintenance requirements. • a traffic management system for managing over-dimensional vehicles. <p>f) a driver's code of conduct that addresses:</p> <ul style="list-style-type: none"> • travelling speeds. • driver fatigue. • procedures to ensure that drivers adhere to the designated transport route/s. • procedures to ensure that drivers implement safe driving practices. <p>Following the Secretary's approval, the Applicant must implement the Traffic Management Plan.</p>			

Vegetation Buffer

<p>Schedule 3 Condition 7</p> <p>The Applicant must establish and maintain a mature vegetation buffer (landscape screening) at the locations outlined in the figure in Appendix 1 of the CoC to the satisfaction of the Secretary. This vegetation buffer must:</p>	LP (section 7)	Construction Operation	Proponent
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> a) be planted prior to commencing operations. b) be comprised of species that are endemic to the area. c) within 3 years of commencing construction, effectively screen views of the solar panels and ancillary infrastructure on-site from surrounding residences. d) be properly maintained with appropriate weed management. 			

Landscaping Plan

<p>Schedule 3 Condition 8</p> <p>Prior to commencing construction, the Applicant must prepare a detailed Landscaping Plan for the development in consultation with Council, to the satisfaction of the Secretary. This plan must include:</p> <ul style="list-style-type: none"> a) a description of measures that would be implemented to ensure that the vegetated buffer achieves the objectives of condition 7 (a) – (d) of this consent. b) include a program to monitor and report on the effectiveness of these measures. c) include details of who would be responsible for monitoring, reviewing and implementing the plan, and timeframes for the completion of actions. <p>Following the Secretary’s approval, the Applicant must implement the Landscaping Plan.</p>	LP	Pre-construction	Proponent
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Land Management

<p>Schedule 3 Condition 9</p> <p>Following any construction or upgrading on the site, the Applicant must:</p> <ul style="list-style-type: none"> a) restore the groundcover of the site as soon as practicable. b) maintain the ground cover with appropriate perennial species. 	BMP (section 5)	Pre-construction	Proponent
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
c) manage weeds within this groundcover.			

Biodiversity

<p>Schedule 3 Condition 10</p> <p>Within two years of commencing construction under this consent, unless the Secretary agrees otherwise, the Applicant must retire biodiversity credits of a number and class specified in Table 1 and Table 2 below to the satisfaction of BCD.</p> <p>The retirement of these credits must be carried out in accordance with the NSW Biodiversity Offset Scheme and can be achieved by:</p> <ul style="list-style-type: none"> a) acquiring or retiring 'biodiversity credits' within the meaning of the <i>Biodiversity Conservation Act 2016 (BC Act)</i>. b) making payments into an offset fund that has been developed by the NSW Government. c) providing supplementary measures. 	BMP (section 9)	Pre-construction	Proponent
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility																												
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Biodiversity Management Plan

<p>Schedule 3 Condition 11</p> <p>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 Secretary. This plan must:</p> <ul style="list-style-type: none"> include a description of the measures that would be implemented for: <ul style="list-style-type: none"> managing the remnant vegetation and fauna habitat on site. 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. 	BMP	Pre-construction	Proponent
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> • 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. • protecting vegetation and fauna habitat outside the approved disturbance areas. • 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. • controlling weeds and feral pests. • include details of who would be responsible for monitoring, reviewing and implementing the plan and timeframes for completion of actions. <p>Following the Secretary’s approval, the Applicant must implement the Biodiversity Management Plan.</p> <p><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></p>			

Construction, Upgrading and Decommissioning Hours

<p>Schedule 3 Condition 12</p> <p>Unless the Secretary agrees otherwise, the Applicant may only undertake construction, upgrading or decommissioning activities on site between:</p> <ul style="list-style-type: none"> a) 7 am to 6 pm Monday to Friday. b) 8 am to 1 pm Saturdays. c) at no time on Sundays and NSW public holidays. 	DEMP	Prior to decommissioning	Proponent
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<p>The following construction, upgrading or decommissioning activities may be undertaken outside these hours without the approval of the Secretary:</p> <ul style="list-style-type: none"> • 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. • emergency work to avoid the loss of life, property and/or material harm to the environment. 			
Noise			
<p>Schedule 3 Condition 13</p> <p>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 Interim Construction Noise Guideline (DECC, 2009), or its latest version.</p>	Section 5.5	Construction Decommissioning	Beon and Essential Energy
Dust			
<p>Schedule 3 Condition 14</p> <p>The Applicant must minimise the dust generated by the development.</p>	Section 5.2	Construction Operation Decommissioning	Beon and Essential Energy Proponent
Visual			
<p>Schedule 3 Condition 15</p> <p>The Applicant must:</p>	Section 5.2,	Pre-construction	Proponent and Beon

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<p>a) minimise the off-site visual impacts of the development, including the potential for any glare or reflection.</p> <p>b) ensure the visual appearance of all ancillary infrastructure (including paint colours) blends in as far as possible with the surrounding landscape.</p> <p>c) (c) not mount any advertising signs or logos on site, except where this is required for identification or safety purposes.</p>			

Lighting

<p>Schedule 3 Condition 16</p> <p>The Applicant must:</p> <p>a) minimise the off-site lighting impacts of the development; and</p> <p>b) ensure that any external lighting associated with the development:</p> <ul style="list-style-type: none"> • is installed as low intensity lighting (except where required for safety or emergency purposes). • does not shine above the horizontal. • complies with Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting, or its latest version. 	Section 5.2	Construction Operation	Proponent and EPC
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Protection of Heritage Items

<p>Schedule 3 Condition 17</p> <p>The Applicant must ensure that the development avoids (as far as practicable) any direct or indirect impacts on the Aboriginal heritage items identified in Table 1 of Appendix 4.</p> <p>If impacts on these items cannot be avoided, the Applicant must salvage and relocate the item/s that would be impacted to a suitable alternative location on site, in accordance with the Code of</p>	CHMP (section 6)	Pre-construction (salvage) Construction Operations	Proponent and all contractors
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Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<p>Practice for Archaeological Investigation of Aboriginal Objects in NSW (DECCW, 2010), or its latest version.</p> <p>Note: The location of the Aboriginal heritage items referred to in this condition are shown in the figure in Appendix 4.</p>			
<p>Schedule 3 Condition 18</p> <p>The Applicant must ensure the development does not cause any direct or indirect impacts on the Aboriginal heritage items identified in Table 2 of Appendix 4 or located outside the approved development footprint.</p>	CHMP (section 6)	Pre-construction (salvage) Construction Operations	Proponent and all contractors
Heritage Management Plan			
<p>Schedule 3 Condition 19</p> <p>Prior to commencing construction, the Applicant must prepare a Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <ol style="list-style-type: none"> a) be prepared by suitably qualified and experienced persons whose appointment has been endorsed by the Secretary. b) be prepared in consultation with BCD and Aboriginal Stakeholders. c) include a description of the measures that would be implemented for: <ul style="list-style-type: none"> • protecting the Aboriginal heritage items identified in Table 2 in Appendix 4 or outside the approved development footprint, including fencing off the Aboriginal heritage items prior to commencing construction and/or pre-construction minor works. • salvaging and relocating the Aboriginal heritage items located within the approved development footprint, as identified in Table 1 in Appendix 4 if impacts to them cannot be avoided. 	CHMP	Pre-construction (prepare) Construction (implement) Operations (implement)	Proponent and all contractors

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> • a contingency plan and reporting procedure if: <ul style="list-style-type: none"> ○ previously unidentified heritage items are found. ○ 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. • ongoing consultation with Aboriginal stakeholders during the implementation of the plan. <p>d) include a program to monitor and report on the effectiveness of these measures and any heritage impacts of the project.</p> <p>Following the Secretary's approval, the Applicant must implement the Heritage Management Plan.</p>			
Water Supply			
<p>Schedule 2 Condition 20</p> <p>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.</p> <p><i>Note: Under the Water Management Act 2000 (WM Act), the Applicant is required to obtain the necessary water licences for the development.</i></p>	Appendix D, SWMP	Pre-construction	Proponent to ensure contractors comply: Beon and Essential Energy to develop works specific SWMP
Water Pollution			
<p>Schedule 3 Condition 21</p> <p>The Applicant must ensure that the development does not cause any water pollution, as defined under section 120 of the POEO Act.</p>	Section 5.1.3, SWMP	Construction Operation	Proponent to ensure contractors comply: Beon and Essential Energy to develop works specific SWMP

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Operating Conditions			
<p>Schedule 3 Condition 22</p> <p>The Applicant must:</p> <ul style="list-style-type: none"> a) minimise any soil erosion associated with the construction, upgrading or decommissioning of the development in accordance with the relevant requirements in the Managing Urban Stormwater: Soils and Construction (Landcom, 2004) manual, or its latest version; and b) ensure all works (including watercourse crossings) are undertaken in accordance with the following, unless DPIE Water agrees otherwise: <ul style="list-style-type: none"> • Guidelines for Controlled Activities on Waterfront Land (2012), or its latest version. • Why Do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (2004), or its latest version. 	SWMP, Detailed Design	Pre-construction Construction Operation	Proponent to ensure contractors comply: Beon and Essential Energy to develop works specific SWMP
Fire Safety Study			
<p>Schedule 3 Condition 23</p> <p>Prior to commencing construction of the battery storage facility, unless the Secretary agrees otherwise, the Applicant must prepare a Fire Safety Study of the development, in consultation with Fire and Rescue NSW, and to the satisfaction of the Secretary. The study must:</p> <ul style="list-style-type: none"> • be consistent with the: • Department’s Hazardous Industry Planning Advisory Paper No. 2 ‘Fire Safety Study’ guideline. • NSW Government’s Best Practice Guidelines for Contaminated Water Retention and Treatment Systems. 	FSS	Pre-construction (prior to construction of battery storage facility)	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> describe the final design of the battery storage facility. <p>Following the Secretary’s approval, the Applicant must implement the measures described in the Fire Safety Study.</p>			
Storage and Handling of Dangerous Materials			
<p>Schedule 3 Condition 24</p> <p>The Applicant must store and handle all chemicals, fuels and oils used on-site in accordance with:</p> <ul style="list-style-type: none"> the requirements of all relevant Australian Standards; and the NSW EPA’s Storing and Handling of Liquids: Environmental Protection – Participants Handbook if the chemicals are liquids. <p>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.</p>	<p>Section 5.3, FMERP, SWMP.</p>	<p>Construction Operation</p>	<p>Proponent, Beon and Essential Energy</p>
Operating Conditions			
<p>Schedule 3 Condition 25</p> <p>The Applicant must:</p> <ol style="list-style-type: none"> minimise the fire risks of the development. ensure that the development: <ul style="list-style-type: none"> includes at least a 10 metre defendable space around the perimeter of the solar array area and battery storage facility that permits unobstructed vehicle access. 	<p>Section 5.1, Section 5.4, FMERP</p>	<p>Pre-construction Construction</p>	<p>Proponent, Beon and Essential Energy</p>

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> • manages the defensible space and solar array areas as an Asset Protection Zone. • complies with the relevant asset protection requirements in the RFS’s Planning for Bushfire Protection 2006 (or equivalent) and Standards for Asset Protection Zones. • 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 located adjacent to the internal access road. <p>c) assist the RFS and emergency services as much as practicable if there is a fire in the vicinity of the site.</p> <p>d) notify the relevant local emergency management committee following construction of the development, and prior to commencing operations.</p>			
Emergency Plan			
<p>Schedule 3 Condition 26</p> <p>Prior to commissioning development, the Applicant must develop and implement a comprehensive Emergency Plan and detailed emergency procedures for the development, to the satisfaction of Fire and Rescue NSW 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:</p> <ul style="list-style-type: none"> a) be consistent with the Department of Planning’s Hazardous Industry Planning Advisory Paper No. 1, ‘Emergency Planning.’ b) identify the fire risks and controls of the development. c) include procedures that would be implemented if there is a fire on-site or in the vicinity of the site. 	<p>Section 5.4 FMERP</p>	<p>Pre-construction</p>	<p>Proponent will ensure contractors develop plans</p> <p>Beon and Essential Energy to prepare plans for works</p>

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Waste			
<p>Schedule 3 Condition 27</p> <p>The Applicant must:</p> <ul style="list-style-type: none"> 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. e) remove all waste from the site as soon as practicable, and ensure it is sent to an appropriately licensed waste facility for disposal. 	WMP	Construction Operation	<p>Proponent will ensure contractors develop plans</p> <p>Beon and Essential Energy to prepare plans for works</p>
Decommissioning and Rehabilitation			
<p>Schedule 3 Condition 28</p> <p>Within 18 months of the cessation of operations, unless the Secretary agrees otherwise in writing, the Applicant must rehabilitate the site to the satisfaction of the Secretary in writing. This rehabilitation must comply with the objectives in Table 3.</p> <p><i>Table 3: Rehabilitation Objectives</i></p>	DRP	Decommissioning	Proponent

Conditions of Consent (CoC)		Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Feature	Objective			
Site	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> To be decommissioned and removed unless the Secretary agrees otherwise. 			
Land use	<ul style="list-style-type: none"> Restore land capability to pre-existing use. 			
Community	<ul style="list-style-type: none"> Ensure public safety. 			

Table 2-3 Schedule 4 of the CoC and where it is addressed in this EMS

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Environmental Management Strategy			
<p>Schedule 4 Condition 1</p> <p>Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy (EMS) for the development to the satisfaction of the Secretary. This EMS must:</p> <ol style="list-style-type: none"> provide the strategic framework for environmental management of the development. identify the statutory approvals that apply to the development. describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development. 	This EMS	Pre-construction	Proponent to prepare the EMS. Contractors to provide input to the EMS and develop sub-plans as described in this document.

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<p>d) describe the procedures that would be implemented to:</p> <ul style="list-style-type: none"> • 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. <p>e) include:</p> <ul style="list-style-type: none"> • 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. <p>Following the Secretary’s approval, the Applicant must implement the EMS.</p>			
Revision of Strategies, Plans and Programs			
<p>Schedule 4 condition 2</p> <p>The Applicant must:</p> <p>a) update the strategies, plans or programs required under this consent to the satisfaction of the Secretary prior to carrying out any upgrading or decommissioning activities on site.</p> <p>b) review and, if necessary, revise the strategies, plans or programs required under this consent to the satisfaction of the Secretary within 1 month of the:</p> <ul style="list-style-type: none"> • submission of an incident report under condition 4 of Schedule 4. • submission of an audit report under condition 7 of Schedule 4. • any modification to the conditions of this consent. 	<p>Section 7.3, section 7.4, Appendix F</p>	<p>Construction Operation</p>	<p>Proponent</p>

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
Updating and Staging of Strategies, Plans or Programs			
<p>Schedule 4 Condition 3</p> <p>With the approval of the Secretary, the Applicant may submit any strategy, plan or program required by this consent on a progressive basis.</p> <p>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 Secretary for approval.</p> <p>With the agreement of the 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.</p> <p>Notes:</p> <ul style="list-style-type: none"> • 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. 	Section 7.3, section 7.4	Construction Operation	Proponent
Incident Notification			
<p>Schedule 4 Condition 4</p> <p>The Department must be notified in writing via the Major Projects website portal within 7 days after the Applicant becomes aware of an incident. The notification must identify the development</p>	Section 7.4, Appendix E	Pre-construction Construction Operation	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
(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.		Decommissioning	
Non-compliance Notification			
<p>Schedule 4 Condition 5</p> <p>The Department must be notified in writing via the Major Projects website portal 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 noncompliance (if known) and what actions have been done, or will be, undertaken to address the noncompliance.</p>	Section 7.4, section 11.2	Pre-construction Construction Operation Decommissioning	Proponent and all contractors
Compliance Reporting			
<p>Schedule 4 Condition 6</p> <p><i>Deleted.</i></p>	N/A	N/A	N/A
Independent Environmental Report			
<p>Schedule 4 Condition 7</p> <p>The Applicant must commission and pay the full cost of Independent Environmental Audits of the development. The audits must:</p> <ul style="list-style-type: none"> be prepared in accordance with the Independent Audit Post Approval Requirements (DPIE, 2020). 	Section 11.1.2	Construction Operation	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> • be led and conducted by a suitably qualified, experienced, and independent team of experts whose appointment has been endorsed by the Secretary. • be prepared, unless otherwise agreed with the Secretary: <ul style="list-style-type: none"> i. within 3 months of commencing construction. ii. within 3 months of commencement of operations. iii. as directed by the Secretary. • be carried out in consultation with the relevant agencies. • assess whether the development complies with the relevant requirements in this consent, and any strategy, plan or program required under this consent. • recommend appropriate measures or actions to improve the environmental performance of the development and any strategy, plan or program required under this consent unless the Secretary agrees otherwise. <p>Within 3 months of commencing an Independent Environmental Audit, or unless otherwise agreed by the Secretary, a copy of the audit report must be submitted to the 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.</p> <p>The recommendations of the Independent Environmental Audit must be implemented to the satisfaction of the Secretary, confirmed in writing.</p>			
Access to Information			
<p>The Applicant must:</p> <ul style="list-style-type: none"> • make the following information publicly available on its website as relevant to the stage of the development: <ul style="list-style-type: none"> ○ the EIS. 	Section 7.5	Pre-construction Construction Operation Decommissioning	Proponent

Conditions of Consent (CoC)	Relevant Section of EMS/ Management Plan	When to implement	Responsibility
<ul style="list-style-type: none"> ○ 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. ○ 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. ○ any other matter required by the Secretary. ○ 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. This process considers potential regulatory and legal risks also taking into consideration the concerns of community and other stakeholders.

Risk assessments are to be 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.

Beon will implement risk management processes and systems in accordance with applicable legislation as detailed in the management plans including the relevant WHS Legislation and Australian Standards, except where the risk management processes demonstrate that higher standards of risk control are required to adequately manage those hazards inherent with the construction of a solar farm. 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

Below is a flowchart outlining the overall hierarchy of teams responsible for the construction of 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
Beon Project Manager	<ul style="list-style-type: none"> Ensure resources are made available to enable works to comply with EMS and other environmental management requirements. Ensure that all procedures are followed adequately. Ensure appropriate approvals and licences are held. 	<ul style="list-style-type: none"> Order Stop-work for an activity that may cause material or environmental harm. Release of environmental hold points, if required.

Role	Responsibility	Authority
	<ul style="list-style-type: none"> • 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. 	
Beon Health Safety and Environment and Quality Manager (HSEQ)	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Recommend Stop-work for an activity that may cause material or environmental harm. • Release of environmental hold points, if required.
Beon Site Manager	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 Management Plans. 	<ul style="list-style-type: none"> • Report any compliance issues to Contractor and Proponent. • Liaising with relevant agencies and authorities where required by legislation.
Proponent Staff:	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Operate as instructed by the Beon Site Manager in compliance with all environmental requirements. • Environmental subcontractors e.g. Ecologist, Archaeologist 	<ul style="list-style-type: none"> • Beon Site Manager

4.1.2. Project organisational chart

The organisational chart for construction of the project is provided below in Figure 4-1.

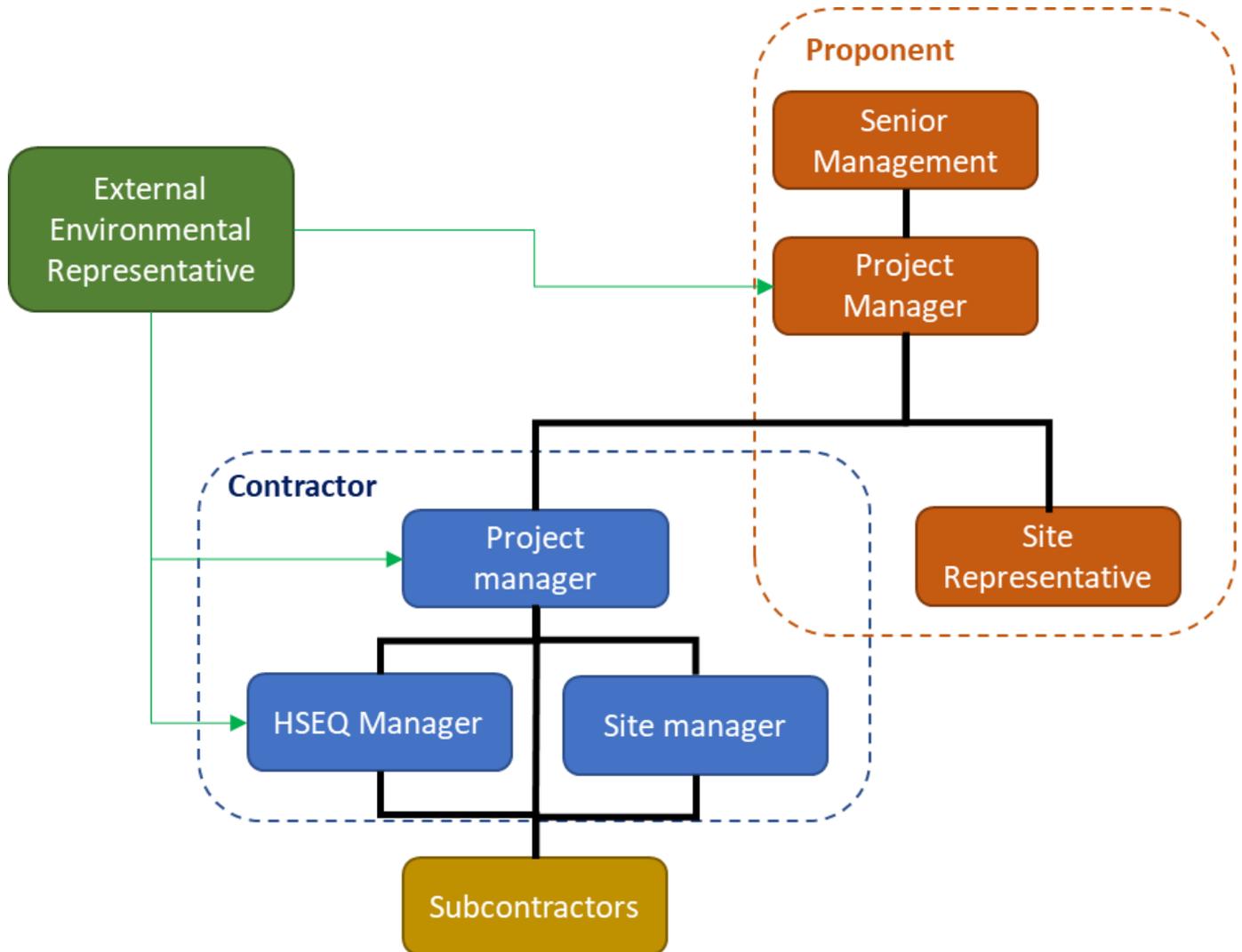


Figure 4-1 Project organisational chart

5. ENVIRONMENTAL PLANS

The COC 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 the guidance within the following sub-sections of this section 5).

Table 5-1 Environmental management plans required by COC

Document name	Document identifier	Approval requirement
Traffic Management Plan	TMP	Prepare in consultation with TfNSW and Council, and to the satisfaction of the Secretary
Biodiversity Management Plan	BMP	Prepare in consultation with BCD and to the satisfaction of the Secretary
Cultural Heritage Management Plan	CHMP	Prepare in consultation with Heritage NSW - Aboriginal Cultural Heritage and Aboriginal Stakeholders, and to the satisfaction of the Secretary
Landscaping Plan	LP	Prepare in consultation with near neighbours, and to the satisfaction of the Secretary
Fire Safety Study	FSS	Prepare in consultation with Fire and Rescue NSW and Rural Fire Service and to the satisfaction of the Secretary.
Fire Management and Emergency Response Plan	FMERP	Prepare to satisfaction of Fire and Rescue NSW and NSW Rural Fire Service

Table 5-2 Supplementary environmental plans, sub-plans and strategies required by the Project Approvals

Document name	Document identifier	Relationship to other plans	Approval requirement
Haulage Plan	HP	Part of TMP	Prepare in consultation with Council
Road Dilapidation Report	RDR	Part of TMP	Prepare in consultation with Council
Workforce Transport Plan	WTP	Part of TMP	Prepare in consultation with Council
Groundcover Management Plan	GMP	Part of BMP	Prepare in consultation with BCD
Pest and Weed Management Plan	PWMP	Part of BMP	Prepare in consultation with BCD

Document name	Document identifier	Relationship to other plans	Approval requirement
Landscaping Plan	LP	Contractors to include in CEMP	Prepare in consultation with Council
Flood Response Plan	FRP	Contractors to include in CEMP	Prepare in consultation with Fire and Rescue NSW and NSW Rural Fire Service
Spill and Contamination Response Plan	SCRP	Contractors to include in CEMP	Internal Proponent approval
Surface Water Management Plan	SWMP	Contractors to include in CEMP	Internal Proponent approval
Erosion and Sediment Control Plans	ESCP	Contractors to include in CEMP	Internal Proponent approval
Waste Management Plan	WMP	Contractors to include in CEMP	Prepare in consultation with Council. Internal Proponent approval
Bushfire Management Plan	BFMP	Contractors to include in CEMP	Prepare to in consultation with Fire and Rescue NSW and NSW Rural Fire Service
Noise Management Plan	NMP	Contractors to include in CEMP	Internal Proponent approval
Decommissioning Rehabilitation Plan	DRP	Proponent to develop prior to decommissioning	Internal Proponent approval
Community and Stakeholder Engagement Plan	CSEP	Proponent to develop prior to construction	Internal Proponent approval

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.

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:

- Method of tree removal, leaving groundcover undisturbed.
- Erosion and sediment control measures required before clearing and grubbing of the site.
- Appropriate controls before the removal of topsoil and commencement of earthworks for the formation within the catchment area of each structure.

- 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.
- 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.
- The methods for stabilising disturbed areas and temporary drains.
- The methods to minimise erosion during construction of embankments.
- The methods to minimise and monitor tunnel erosion that may occur underneath the solar arrays.
- The methods of constructing batters to assist retention of topsoil on the batter slopes.
- Temporary sediment trapping measures in median areas at regular intervals.
- The methods of maintenance of erosion and sediment controls.
- 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.
- Measures to minimise erosion and control sedimentation from stockpiles.
- Methods for managing any spills that may occur during construction.
- Additional controls to be implemented during heavy rainfall events.

The ESCPs will include:

- A marked-up site plan including:
 - Areas not to be disturbed (no-go zones).
 - Temporary work areas.
 - Access and haulage tracks.
 - Stockpile and storage areas.
 - Compound areas.
- Location, number and type of each erosion and sediment control with example figures.
- Notes and instructions of key management practices.
- A legend.
- 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 47 ML of non-potable water would be required during construction. Construction water will be purchased (per kilolitre) from Goldfields Water or Temora Shire Council and sourced from a standpipe, then trucked to the site.

During construction Beon 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.

During operations, a potable water supply shall be connected to the operation and maintenance building or a potable water tank will be installed.

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

5.1.3. Water pollution

In order to prevent any water pollution, pollution control measures will be detailed in the SWMP including chemical and fuel storage protocols, notification for pollution incidents and monitoring activities.

5.2. VISUAL

Prior to commencing construction, Beon will prepare a detailed Landscaping Plan in consultation with Council, and to the satisfaction of the Secretary in accordance with Schedule 3, Condition 8. The Landscaping Plan will include:

- a) A description of measures that would be implemented to ensure that the vegetated buffers achieves the objectives of condition 7(a) to (d) of the CoC.
- b) Include a program to monitor and report on the effectiveness of these measures.
- c) Include details of who would be responsible for monitoring, reviewing and implementing the plan, and timeframes for the completion of actions.

Sebastopol Solar Farm is expected to have a low to medium visual impact due to topography and existing tree cover. Two uninhabited residences exist within 500 m of the development site boundary. Mitigation measures including vegetation screening and infrastructure setbacks have been incorporated into the Project's design. The following additional mitigations will be implemented where practical:

- Materials and colour of onsite infrastructure would, where practical, be non-reflective and in keeping with the materials and colouring of existing infrastructure or of a colour that will blend with the landscape.
- Dust would be controlled in response to visual cues.
- Night lighting minimised.

If feedback is received in relation to the visual impact of the solar farm (including glare for users of public road network), additional mitigatory measures such as planting additional trees will be evaluated.

External lighting for the Project would be provided around buildings, and in the high voltage substation but they would only be used on the rare occasions when staff are working on the site during darkness hours. 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 is installed 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 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 will be detailed in the FMERP and SWMP.

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

Reporting and incident management is further detailed in section 10.

5.4. EMERGENCY RESPONSE AND FIRE SAFETY

Contractors will include comprehensive plans for responding to emergencies within their CEMPs for their works including but not limited to a Fire Management and Emergency Response Plan (FMERP), Flood Response Plan (FRP) and Spill and Contamination Response Plan (SCRIP). Plans should be prepared in consultation with Fire and Rescue NSW and Rural Fire Service as relevant and should:

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

5.4.1. Emergency plan for commissioning

Prior to commissioning operations, the Beon will develop and implement a comprehensive Emergency Plan consistent with Schedule 3 condition 26. This must be prepared to the satisfaction Fire and Rescue NSW and Rural Fire Service and to the satisfaction of the Secretary. The emergency plan for commissioning will:

- a) Be consistent with the Department of Planning's Hazardous Industry Planning Advisory Paper No. 1, 'Emergency Planning.'
- b) Identify the fire risks and controls of the development.
- c) Include procedures that would be implemented if there is a fire on-site or in the vicinity of the site.

5.4.2. Fire Safety Study

Prior to construction of any battery storage facility, relevant contractor will develop a Fire Safety Study for the development prior to construction of any battery storage facility. The Study will be undertaken in consultation with Fire and Rescue NSW and the Rural Fire Service and be consistent with Schedule 3 condition 23. The Fire Safety Study will be submitted for Secretary approval.

The Fire Safety Study will develop protocols for lithium-ion battery storage, maintenance, and incident response to mitigate lithium-ion fire risks as well as providing advice on the design of the Energy Storage Facility to address fire risks per the EIS.

5.4.3. Bushfire Management Plan

A Bushfire Management Plan will be incorporated into the FMERP and be prepared in consultation with the NSW RFS District Fire Control Centre. The FMERP will include:

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

5.5. NOISE CONTROL

A Noise Management Plan will be developed by Beon 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.

5.6. BIODIVERSITY

A BMP will be developed prior to the commencement of construction in consultation with BCD and to the satisfaction of the Secretary in accordance with Schedule 3 condition 11. The BMP will form a key element of this EMS and will include a description of management measures to protect biodiversity connected with the Project and outline roles and responsibilities for implementation.

5.7. ABORIGINAL HERITAGE

A Cultural Heritage Management Plan (CHMP) will be developed prior to the commencement of construction in consultation with BCD and Aboriginal stakeholders, and to the satisfaction of the Secretary in accordance with Schedule 3 condition 19. The CHMP will form a key element of this EMS and will include a description of management measures to protect Aboriginal heritage connected with the Project and outline roles and responsibilities for implementation.

5.8. HISTORICAL HERITAGE

Historical heritage items refer to items listed under the Australian Heritage Database, NSW Heritage Register and Environmental Heritage Items listed under the Temora Shire Council Local Environmental Plan (2010). No historical heritage items relevant to the development site have been identified.

5.9. WASTE MANAGEMENT

A Waste Management Plan (WMP) will be developed prior to the commencement of construction. The WMP will address the requirements of Schedule 3 condition 27 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 sent to an appropriately licensed waste facility for disposal.

5.10. SITE RESTORATION

The site will be rehabilitated within 18 months of the cessation of operations. This process will be detailed in the RP which will be prepared prior to decommissioning.

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:

- Purpose and objectives of EMS.
- Requirements of due diligence and duty of care.
- Roles and responsibilities.
- 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.
- Environmental emergency and incident procedures and locations of emergency spill kits.
- 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:

- Vegetation clearing and vegetation exclusion zones.
- Erosion and sedimentation management.
- Noise, vibration, and air quality management.
- Management of identified unexpected threatened species or heritage items.
- Pest and weed management.
- 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 undertaken 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, Beon 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 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 Project EMPs 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 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 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.*

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.

7.4. GOVERNMENT AGENCY COMMUNICATION

The Proponent will be the main point of contact with DPIE 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 DPIE directly in relation to specific environmental issues.

Details of incident reporting to Government agencies, including DPIE, are provided in section 10.

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 (Beon).
3. HSEQ Manager (Beon).

Schedule 4 condition 4 of the CoC states that:

The Department must be notified in writing via the Major Projects website portal 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.

The Proponent will immediately notify the 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, Proponent will provide the 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 5 of the CoC, which states that:

The Department must be notified in writing via the Major Projects website portal 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 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
<p>Sebastopol Solar Farm website (www.sebastopolsolarfarm.com.au)</p>	<p>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 proposed development and include information such as:</p> <ul style="list-style-type: none"> • The EIS. • Layout plans for the development. • Current statutory approvals for the development. • 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 and a complaints handling procedure. • Contact details of the Proponent or online contact form.
<p>Newspaper advertisements</p>	<p>Advertisements will be placed in major local newspapers prior to commencing each stage of the development (as per section 1.2.4). These will describe the upcoming works and the public roads expected to be affected.</p>
<p>Newsletters</p>	<p>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.</p>
<p>Sebastopol community noticeboard</p>	<p>Newsletters and project updates will be posted on a prominent community noticeboard in Temora and Junee.</p>
<p>Project contact information</p>	<p>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.</p>
<p>Complaints procedure</p>	<p>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</p>

Engagement step	Description
Point of contract for locals	A 24-hour line of contact will be provided to residences within 3 km of the site.

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.

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, and complaints received by post, a written response will be provided within five working days. The Proponent will undertake the ongoing consultation measures listed in in Table 7-1. It is the intention of Sebastopol Solar Farm 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.

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 site inspection report.
- A site inspection action plan listing deficiencies and corrective actions required.
- 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:

- All monitoring, inspection and compliance reports/records.
- Correspondence with government agencies.
- Induction and training records.
- Reports on environmental incidents, non-conformances, complaints and follow-up action.
- Community engagement information, and a complaints record.
- 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 DPIE 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, <https://www.sebastopolsolarfarm.com.au/>, is the main source of information for the Project. 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 CoC are publicly available.

Over the life of the Project, the website will be updated to include information regarding the process for making complaints, 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 Secretary. Users are encouraged to register their interest on the website to receive project updates.

10. EMERGENCY PREPAREDNESS AND RESPONSE (INCIDENT REPORTING)

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 F.

10.1. INCIDENT REPORTING

Typically, environmental incidents will be notified verbally to the Site Manager immediately. The Proponent would be notified in writing within 1 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 proposed measures to prevent the occurrence of a similar incident.

DPIE will be notified on any non-compliance via the Major Projects Portal within 7 days of the Proponent being made aware of the non-compliance occurring. Notification of the non-compliance will include:

- Brief overview of the non-compliance.
- Time and date of the incident.
- Form of non-compliance (i.e. which condition has been breached).
- Actions taken or to be taken to address the non-compliance.

An Environmental Incidence Response Procedure is included in Appendix F.

10.2. DPIE NOTIFIABLE INCIDENTS

As per Schedule 4 condition 5 of the CoC, the Proponent will immediately notify the Secretary and other agencies of any incident onsite. 'Immediately' has its ordinary dictionary meaning of promptly and without delay. Within 7 days of the date of the incident, Proponent will provide the 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, Proponent will review and, if necessary, revise the strategies and plans required under the approval consent to the satisfaction of the Secretary within 1 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**.
- The NSW Ministry of Health **(02) 9391 9000**.
- Safe Work NSW (formerly WorkCover) on **13 10 50**.
- The local authority, Temora Shire Council on **(02) 6980 1100**.
- Fire and Rescue NSW on **000** or for Mobiles Only **112**.

- Rural Fire Service Temora on **(02) 6977 4737**.

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

Proponent will maintain all records relating to environmental incidents.

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:

- 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.
- Review the adequacy of any approved strategy, plan or program.
- Recommend measures or actions to improve the environmental performance of the Project; and or any strategy, plan or program required under the approvals.
- Assess the level of compliance with conditions, regulations (including license and permit conditions) and planned environmental management requirements.
- 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. External auditing

An independent external audit is to be carried out within 3 months of the commencement of construction, or as directed by the Secretary.

Schedule 4 condition 7 of the CoC states that:

The Applicant must commission and pay the full cost of Independent Environmental Audits of the development. The audits must:

- be prepared in accordance with the relevant Independent Audit Post Approval requirements (DPIE 2020).*
- be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary in writing.*
- be prepared, unless otherwise agreed with the Secretary in writing:*
 - within 3 months of commencing construction.*
 - within 3 months of commencement of operations.*
 - as directed by the Secretary.*
- be carried out in consultation with the relevant agencies.*
- assess whether the development complies with the relevant requirements in this consent, and any strategy, plan or program required under this consent.*
- recommend appropriate measures or actions to improve the environmental performance of the development and any strategy, plan or program required under this consent unless the Secretary agrees otherwise.*

Within 3 months of commencing an Independent Environmental Audit, or unless otherwise agreed by the Secretary in writing, a copy of the audit report must be submitted to the 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 independent audit will be undertaken in accordance with Schedule 4 condition 7 of the CoC. The results of the independent audit and the Applicants response will be made publicly available on the Project website.

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

Item	CoC	Monitoring and Reporting Requirements	Monitoring proposed
Sch 3 C 1	Over-Dimensional and Heavy Vehicle Restrictions	<p>The Applicant must ensure that the:</p> <ul style="list-style-type: none"> • development does not generate more than: • 66 heavy vehicle movements a day during construction, upgrading and decommissioning. • 4 over-dimensional vehicle movements during construction, upgrading and decommissioning. • 2 heavy vehicle movements a day during operations on the public road network. • length of any vehicles (excluding over-dimensional vehicles) used for the development does not exceed 26 metres, unless the Secretary agrees otherwise. 	Internal and External audits (TMP section 8.3; EMS section 11.2)
Sch 3 C 2	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.	Delivery Sheet Appendix H) Record (TMP)
Sch 3 C 8	Landscaping Plan	<p>The Applicant must prepare a Landscaping Plan for the development to the satisfaction of the Secretary. This Landscaping Plan must include a monitoring program to ensure:</p> <ul style="list-style-type: none"> a) be planted prior to commencing operations. b) be comprised of species that are endemic to the area. c) within 3 years of commencing construction, effectively screen views of the solar panels and ancillary infrastructure on-site from surrounding residences. d) be properly maintained with appropriate weed management. 	LP Appendix B

Item	CoC	Monitoring and Reporting Requirements	Monitoring proposed
Sch 3 C 11	Biodiversity Management Plan	The Applicant must prepare a Biodiversity Management Plan in consultation with BCD to the satisfaction of the Secretary. This plan must include a program to monitor and report on the effectiveness of these measures and any biodiversity impacts of the Project.	EMS section 11.2 and BMP section 10.2.
Sch 3 C 19	Heritage Management Plan	The Applicant must prepare a Heritage Management Plan in consultation with BCD and Aboriginal stakeholders to the satisfaction of the 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.	EMS section 11.2 and EMS section CHMP section 7.

11.3. NON-COMPLIANCE AND CORRECTIVE AND PREVENTATIVE ACTION

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

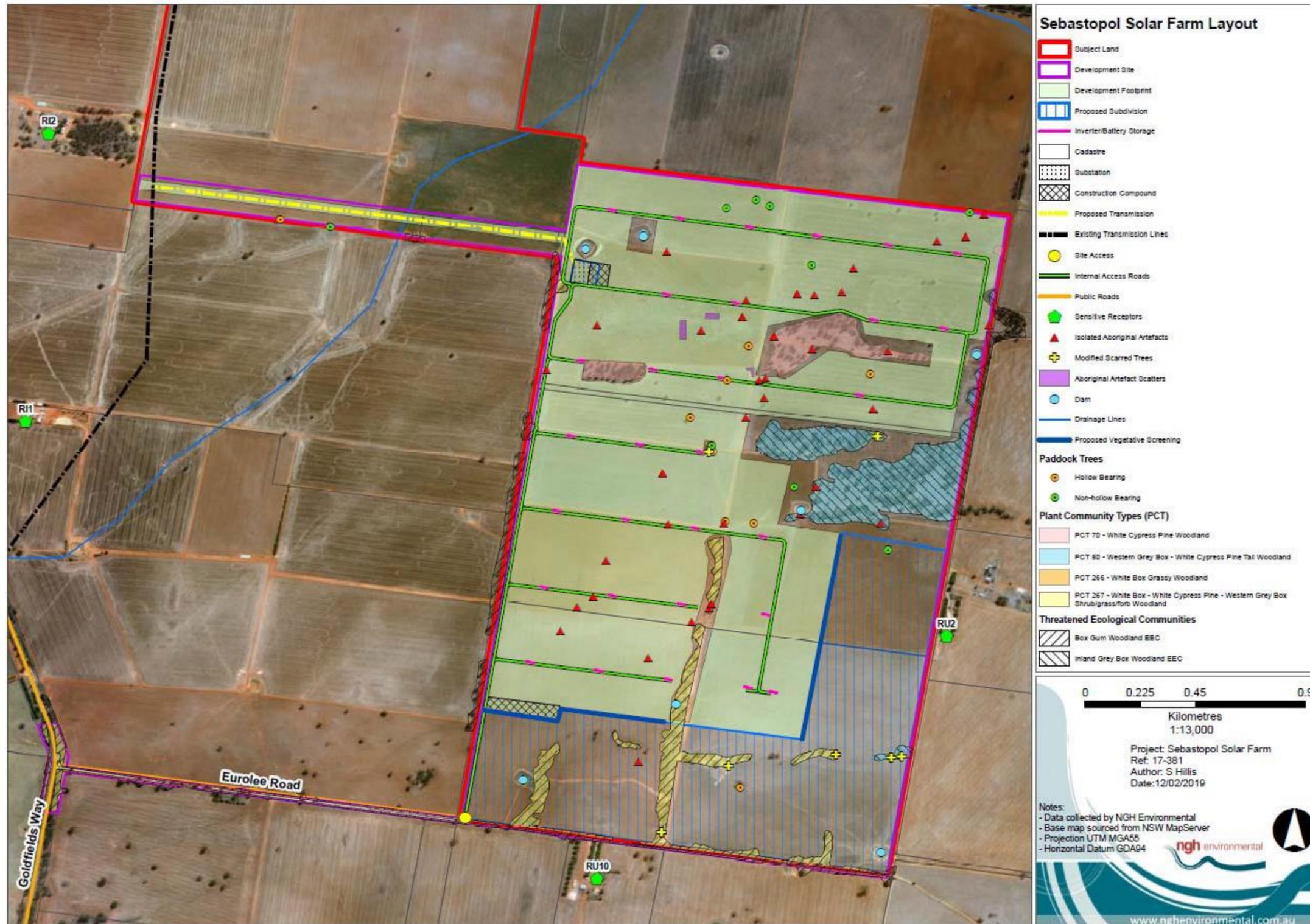
Any non-conformance with the system will be addressed through the audit procedures detailed in section 11.1.

As per Condition 4 of Schedule 8, the Proponent will notify DPIE in writing within 7 days after becoming aware of any non-compliance with the CoC.

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=F58F9A86A4293434464AC43554AE4EEB7FD6CF6E01>
- DECC. (2009). *Interim Construction Noise Guideline*.
- 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 APPROVED PROJECT LAYOUT



APPENDIX B CONSULTATION

B.1 DPIE CONSULTATION ON EMS

DPIE comments on the EMS were received 18 December 2020.

Comment	Response
<ul style="list-style-type: none"> Section 11.2 provides a table setting out all environmental monitoring and reporting required by the conditions of consent. It is not stand-alone. <p>Include a new figure or revise Figure 1-1 to illustrate monitoring locations and type.</p>	<p>EMS Condition 1, Schedule 4 states:</p> <p><i>Prior to commencing construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:</i></p> <p><i>(e) include:</i></p> <ul style="list-style-type: none"> <i>a clear plan depicting all the monitoring to be carried out in relation to the development.</i> <p>The monitoring in relation to the plan is not location-based, and a figure would not provide clarity for monitoring to be carried out. The monitoring plan depicted in Table 11-1 is thorough.</p> <p>More detailed monitoring as it relates to each sub-plan (BMP, LP, etc.) is provided in each of those sub-plans.</p>
<p>Section 11.1.2 has quoted the condition 7, schedule 4 only.</p> <p>Include the text “the independent audit will be undertaken in accordance with condition 7, Schedule 4.”</p>	<p>Addressed.</p>
<p>Section 9.2 states that any management plans will be made publicly available.</p> <p>Include approved strategies and programs as well as plans in section 9.2.</p>	<p>Addressed.</p>
<p>Section 11.1.2 has quoted the condition 7, schedule 4 only.</p> <p>Include a commitment to make public the independent environmental audit and the Applicant’s response to the recommendations of any audit in section 9.2.</p>	<p>Addressed, Section 9.2.</p>
<p>Include a commitment to make public any other matter required by the Secretary in section 9.2.</p>	<p>Addressed, Section 9.2.</p>

B.2 DPIE APPROVAL OF THIS EMS

APPENDIX C CONTRACTOR'S ENVIRONMENTAL POLICY

Environment Policy

Energy Solutions Pty Ltd

Energy Solutions is committed to the principles of sustainable development and managing our business in an environmentally responsible manner.

Our goals are to:

- Comply with environmental legislation, regulation and voluntary commitments.
- Promote a culture of environmental responsibility among our employees and contractors, and ensure they are aware of their environmental obligations.
- Minimise environmental impacts of our assets and operations.
- Use materials and resources efficiently, maximising their value to the community and to future generations.
- Continually improve our Environmental Management System by establishing, monitoring and reviewing environmental objectives and targets.
- Consult and communicate with our employees, the community, government and regulatory authorities on significant environmental matters relevant to our activities.
- Partner with the community and non-government organisations (NGOs) in programs encouraging environmental responsibility and sustainability.
- Apply the principles of continual improvement, pollution prevention and waste minimisation.
- Establish and regularly review a whole of business Environmental Strategy.
- Report annually on environmental performance and compliance.



Timothy Rourke
Chief Executive Officer
January 2014

16-00-CP0008



APPENDIX D ENVIRONMENTAL LEGISLATION

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
Commonwealth legislation				
<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)</i>	<p>The objects of the EPBC Act are:</p> <ul style="list-style-type: none"> to provide for the protection of the environment, especially matters of national environmental significance. to promote ecologically sustainable development through the conservation and ecologically sustainable use of natural resources. to promote the conservation of biodiversity. to provide for the protection and conservation of heritage. to promote a co-operative approach to the protection and management of the environment involving governments, the community, land holders and indigenous peoples. to assist in the co-operative implementation of Australia's international, environmental responsibilities. to promote the use of indigenous peoples' knowledge of biodiversity with the involvement of, and co-operation with, land-holders and indigenous peoples. <p>Under the EPBC Act, any action that has, or is likely to have, a significant impact on a Matter of National Environmental Significance (MNES) may progress only with the approval of the Commonwealth Minister for the Environment.</p>	While no significant impacts on MNES as a result of the Project are considered likely, there is a general duty to avoid impacts to MNES.	None required	Proponent and all contractors

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
State legislation				
<i>Environmental Planning and Assessment Act 1979</i> (EP&A Act)	<p>Development consent for the Project was granted under the EP&A Act. The EP&A Act also provides for modifications to development consents. Modification provisions are contained in section 4.55 of the EP Act. Under this section, the following provisions apply to modifications:</p> <ul style="list-style-type: none"> • Modifications involving minimal environmental impact: A consent authority may, on application being made by the applicant or any other person entitled to act on a consent granted by the consent authority and subject to and in accordance with the regulations, modify the consent if: <ul style="list-style-type: none"> ○ it is satisfied that the proposed modification is of minimal environmental impact. ○ it is satisfied that the development to which the consent as modified relates is substantially the same development as the development for which the consent was originally granted and before that consent as originally granted was modified (if at all). ○ it has notified the application in accordance with: <ul style="list-style-type: none"> ○ the regulations, if the regulations so require. ○ a development control plan, if the consent authority is a council that has made a development control plan that requires the notification or advertising of applications for modification of a development consent. ○ it has considered any submissions made concerning the proposed modification within any 	<p>An Environmental Impact Statement (EIS) was completed to assess the impact of the Project. This was assessed and approved by DPIE. Compliance with the development consent is a legal requirement of the Project.</p> <p>Work that is additional, or a variation of work approved will require additional assessment under the EP&A Act.</p>	<p>Modifications to the Project may require approval from DPIE</p>	<p>Proponent and all contractors</p>

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	<p>period prescribed by the regulations or provided by the development control plan, as the case may be.</p> <ul style="list-style-type: none"> • A consent authority may, on application being made by the applicant or any other person entitled to act on a consent granted by the consent authority and subject to and in accordance with the regulations, modify the consent if: <ul style="list-style-type: none"> ○ it is satisfied that the development to which the consent as modified relates is substantially the same development as the development for which consent was originally granted and before that consent as originally granted was modified (if at all). ○ it has consulted with the relevant Minister, public authority or approval body (within the meaning of Division 4.8) in respect of a condition imposed as a requirement of a concurrence to the consent or in accordance with the general terms of an approval proposed to be granted by the approval body and that Minister, authority or body has not, within 21 days after being consulted, objected to the modification of that consent. ○ it has notified the application in accordance with: <ul style="list-style-type: none"> ➢ the regulations, if the regulations so require. ➢ a development control plan, if the consent authority is a council that has made a development control plan that requires the notification or advertising of applications for modification of a development consent. ○ it has considered any submissions made concerning the proposed modification within the 			

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	<p>period prescribed by the regulations or provided by the development control plan, as the case may be.</p> <ul style="list-style-type: none"> In determining an application for modification of a consent under this section, the consent authority must take into consideration such of the matters referred to in section 4.15 (1) as are of relevance to the development the subject of the application. The consent authority must also take into consideration the reasons given by the consent authority for the grant of the consent that is sought to be modified. The modification of a development consent in accordance with this section is taken not to be the granting of development consent under this Part, but a reference in this or any other Act to a development consent includes a reference to a development consent as so modified. <p>Section 4.15 identifies matters to be considered in determining a development application, including a modification.</p>			
<p><i>Roads Act 1993</i> (Roads Act)</p>	<p>The Roads Act provides for the classification of roads and for the declaration of Transport for NSW (TfNSW) and other public authorities as roads authorities for both classified and unclassified roads. It also regulates the carrying out of various activities in, on and over public roads.</p> <p>Under section 138, the consent of the appropriate roads authority is required to:</p>	<p>The Project would use one access point from Eurolee Road for its operation and construction. Eurolee Road is not a classified road, and therefore managed by Junee Shire Council. The site access from Eurolee Road will be</p>	<p>Project works on Eurolee Road require consent from Temora and Junee Shire Councils. Upgrade works to the Goldfields Way/Eurolee intersection also require approval from TfNSW.</p>	<p>Proponent and all contractors</p>

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	<ul style="list-style-type: none"> (a) erect a structure or carry out a work in, on or over a public road (b) dig up or disturb the surface of a public road (c) remove or interfere with a structure, work or tree on a public road (d) pump water into a public road from any land adjoining the road connect a road (whether public or private) to a classified road. 	<p>designed and constructed in consultation with both councils to the appropriate standard to accommodate the proposed traffic flows during construction and to avoid safety issues.</p>		
<p><i>Water Management Act 2000 (WM Act)</i></p>	<p>The aim of the WM Act is to ensure that water resources are conserved and properly managed for sustainable use benefiting both present and future generations. It is also intended to provide formal means for the protection and enhancement of the environmental qualities of waterways and in-stream uses, as well as to provide for the protection of catchments.</p> <p>Under section 91E of the WM Act, an approval is required if a 'controlled activity' is proposed on 'waterfront land.'</p>	<p>Under section 4.41 of the EP&A Act, SSD developments do not require a water use approval under section 89, a water management work approval under section 90 or a controlled activity approval (other than an aquifer interference approval) under section 91 of the WM Act.</p> <p>Waterway crossings and services crossing should be designed in accordance with '<i>Guidelines for Controlled Activities on Waterfront Land</i>' (DPI Water).</p> <p>Groundwater bores onsite may be used during construction of the project. If required, a Water</p>	<p>None required</p>	<p>Proponent and all contractors</p>

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
		Allocation License (WAL) would be obtained.		
<i>Heritage Act 1977</i> (Heritage Act)	<p>The Heritage Act provides statutory protection and conservation for heritage places and items. The objects of the Heritage Act include promoting, understanding, and encouraging the conservation of the State's heritage and the identification and registration of items of State heritage significance. The Heritage Act details requirements for the protection of non-Aboriginal heritage items.</p> <p>An application under section 60 must be made to the Heritage Council Office when making changes to a heritage place listed on the State Heritage Register, or when excavating any land in NSW where an archaeological relic may be disturbed.</p>	Under Section 4.41 of the EP&A Act, an approval under Part 4 or a permit under Section 139 of the Heritage Act 1977 would not be required for SSD.	None required	Proponent and all contractors
<i>Mining Act 1992</i> (Mining Act)	The main objective of the Mining Act is to encourage and facilitate the discovery and development of mineral resources in New South Wales, having regard to preventing land use conflict between mining and other industries.	The subject land does not hold any exploration applications, assessment lease applications, assessment leases, mining or production applications, or mining or production leases.	None required.	Proponent and all contractors
<i>Protection of the Environment Operations Act 1997</i> (POEO Act)	<p>The POEO Act enforces licences and approvals relating to air, water and noise pollution and waste management.</p> <p>Section 148 of the POEO Act requires notification of pollution incidents.</p>	The Project is not a scheduled activity under section 48 of the POEO Act. Therefore, an EPL is not required.	None required.	Proponent and all contractors

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	<p>Section 120 of the POEO Act provides that it an offence to pollute waters.</p> <p>Schedule 1 of the POEO Act describes activities for which an Environment Protection Licence (EPL) is required. Under section 48, premises-based scheduled activities (as defined in Schedule 1) require an EPL.</p>	<p>Proponent will ensure all phases of the Project are managed to prevent pollution and will comply with notification requirements.</p>		
<p><i>Waste Avoidance and Resource Recovery Act 2001</i> (WARR Act)</p>	<p>The objectives of this WARR Act are:</p> <ul style="list-style-type: none"> (a) to encourage the most efficient use of resources and to reduce environmental harm in accordance with the principles of ecologically sustainable development. (b) to ensure that resource management options are considered against a hierarchy of the following order: <ul style="list-style-type: none"> i. avoidance of unnecessary resource consumption. ii. resource recovery (including reuse, reprocessing, recycling and energy recovery). iii. disposal. (c) to provide for the continual reduction in waste generation, (d) to minimise the consumption of natural resources and the final disposal of waste by encouraging the avoidance of waste and the reuse and recycling of waste. (e) to ensure that industry shares with the community the responsibility for reducing and dealing with waste. (f) to ensure the efficient funding of waste and resource management planning, programs and service delivery. 	<p>Proponent will address the objectives of this WARR Act in Project design, management documents and throughout construction.</p> <p>A Waste Management Plan (WMP) will be developed to minimise wastes in accordance with the waste hierarchy.</p>	<p>None required.</p>	<p>Proponent and all contractors</p>

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	<p>(g) to achieve integrated waste and resource management planning, programs and service delivery on a State-wide basis.</p> <p>(h) to assist in the achievement of the objectives of the POEO Act.</p>			
<i>Biodiversity Conservation Act 2016 (BC Act)</i>	The BC Act relates to the conservation of biodiversity, including establishing offset requirements for cleared native vegetation and habitat loss.	The assessment of onsite biodiversity impacts has been undertaken under the provisions of the BC Act. During construction, there is an obligation to avoid impacts on vegetation and fauna habitat outside the approved direct impact areas.	Proponent will retire biodiversity offsets within the specified timeframe.	Proponent and all contractors
<i>Biosecurity Act 2015 (Biosecurity Act)</i>	<p>In relation to weeds, the Biosecurity Act:</p> <ul style="list-style-type: none"> • embeds the principle of shared responsibility for weed risk across government, community, and industry. • applies equally to all land and waterways in the state, regardless of whether ownership is public or private. • is premised on the concept of risk, so that weed management investment and response is commensurate with the risk posed. • supports regional planning and management for weeds. 	The Biodiversity Management Plan (BMP) incorporates protocols for weed, hygiene and pest management.	BMP will be approved by DPIE.	Proponent and all contractors

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	The Biosecurity Act includes regulatory tools to manage weed risks.			
<i>Fisheries Management Act 1994 (FM Act)</i>	<p>The FM Act identifies threatened aquatic species, populations, and ecological communities, and requires an assessment of significance for threatened biota which may be impacted by the work.</p> <p>The FM Act sets out to conserve fish stocks and key fish habitats, threatened species, populations and ecological communities of fish and marine vegetation and biological diversity.</p>	No key fish habitat occurs in proximity to the development site. Specific soil and water mitigation measures will manage potential impacts on waterways.	None required.	Proponent and all contractors
<i>National Parks and Wildlife Act 1974 (NPW Act)</i>	<p>The NPW Act sets out responsibilities for the care, control and management of all national parks, historic sites, nature reserves, reserves, Aboriginal areas and state game reserves and associated permits and approvals.</p> <p>The NPW Act provides the basis for legal protection and management of Aboriginal sites within NSW. All Aboriginal objects within the state of NSW are protected under Part 6 of the NPW Act. The implementation of the Aboriginal heritage provisions in the NPW Act is the responsibility of BCD.</p> <p>Under Section 4.41(d) of the EP&A Act, an Aboriginal Heritage Impact Permit under Section 90 of the National Parks and Wildlife Act 1974 would not be required for a State Significant Development.</p>	Aboriginal heritage will be managed in accordance with the Project approval. If any unrecorded Aboriginal objects are encountered during construction, works will cease immediately in that area and in accordance with section 89(A) of the NPW Act, BCD will be notified.	None required	Proponent and all contractors

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
<p><i>Crown Land Management Act 2016 (CLM Act)</i></p>	<p>The CLM Act relates to the management of Crown land with the objective to:</p> <ul style="list-style-type: none"> (a) to provide for the ownership, use and management of the Crown land of New South Wales. (b) to provide clarity concerning the law applicable to Crown land. (c) to require environmental, social, cultural heritage and economic considerations to be taken into account in decision-making about Crown land. (d) to provide for the consistent, efficient, fair and transparent management of Crown land for the benefit of the people of NSW. (e) to facilitate the use of Crown land by the Aboriginal people of NSW because of the spiritual, social, cultural and economic importance of land to Aboriginal people and, where appropriate, to enable the co-management of dedicated or reserved Crown land. (f) to provide for the management of Crown land having regard to the principles of Crown land management. 	<p>No Crown land will be impacted by the Project.</p>	<p>None required.</p>	<p>Proponent and all contractors</p>
<p><i>Local Government Act 1993 (LG Act)</i></p>	<p>The LG Act provides guidance for local councils to carry out functions to govern their local community within defined local government areas.</p>	<p>Under Section 68, council approval is required for water supply, sewage and stormwater drainage work.</p> <p>If wastewater is to be disposed of via septic tanks installed rather than temporary above ground storage tanks approval is</p>	<p>Section 68 approval from MWRC for sewerage works unless temporary above ground storage tanks are used.</p>	<p>Proponent and all contractors</p>

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
State environmental planning policies				
<p><i>State Environmental Planning Policy No 33 – Hazardous and Offensive Development (SEPP 33)</i></p>	<p>SEPP 33 defines and regulates the assessment and approval of potentially hazardous or offensive development. The SEPP defines ‘potentially hazardous industry’ as:</p> <p style="padding-left: 20px;"><i>...development for the purposes of any industry which, if the development were to operate without employing any measures (including, for example, isolation from existing or likely future development on other land) to reduce or minimise its impact in the locality or on the existing or likely future development on other land, would pose a significant risk in relation to the locality:</i></p> <p style="padding-left: 20px;">(a) to human health, life or property, or (b) to the biophysical environment,</p> <p style="padding-left: 20px;"><i>and includes a hazardous industry and a hazardous storage establishment.</i></p> <p>‘Potentially offensive industry’ defined as:</p> <p style="padding-left: 20px;"><i>...a development for the purposes of an industry which, if the development were to operate without employing any measures (including, for example, isolation from existing or likely future development on other land) to reduce or minimise its impact in the locality or on the existing or likely</i></p>	<p>required under section 68 is of the LG Act from Temora Council.</p>	<p>None required</p>	<p>Proponent and all contractors</p>

Relevant legislation	Legislation obligation	Application to the Project	Approvals/ permits/ licenses	Responsibility to comply
	<p><i>future development on other land, would emit a polluting discharge (including for example, noise) in a manner which would have a significant adverse impact in the locality or on the existing or likely future development on other land, and includes an offensive industry and an offensive storage establishment.</i></p>			
<p><i>State Environmental Planning Policy No. 55 – Remediation of Land (SEPP 55)</i></p>	<p>The aims of SEPP 55 are to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment.</p> <p>Clause 7 of SEPP 55 requires that the remediation of land be considered by a consent authority in determining a development application.</p>	<p>There are no contaminated sites for the Temora LGA in the EPA contaminated land register within 10 km of the Project (NSW Government, 2017). There is a risk that contamination associated with agricultural activities (e.g., pesticides) could be present on the site, however, given no contaminated sites are recorded on or adjacent to the Project site and no evidence of contamination was observed during the site assessment, this risk is considered very low. In terms of the proposed solar farm, the risk from contamination and the need for remediation prior to the works is considered to be low.</p>	<p>None required</p>	<p>Proponent and all contractors</p>

APPENDIX E COMPLAINTS PROCEDURE

E.1 COMPLAINTS PROCEDURE

Overview

Sebastopol 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 Sebastopol 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://sebastopolsolarfarm.com.au/>
- Calling us on 0425 590 003. Please note this is an answering service and we will call you back after we receive your message.
- Emailing us on the address sebastopolsolarfarm@frv.com
- 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 we are unable to resolve your complaint at the time it is raised, we will provide a proposed resolution or update 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, Sebastopol Solar farm is obliged to record all complaints in a Complaints Register. Your privacy is very important to us and your information will be kept confidential. An anonymous version of this Complaints Register is available on our 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 ENVIRONMENTAL INCIDENT RESPONSE PROCEDURE (EXAMPLE)

F.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.

F.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.

F.3 EXTERNAL NOTIFICATIONS

F3.1 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.

F.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 DPIE 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. DPIE 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, Mid-Western Regional Council on **1300 765 002**.
- Fire and Rescue NSW on **000** or for Mobiles Only **112**.
- Rural Fire Service Mid-Western Regional LGA on **02 6372 4434**.

F.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.

F.6 INCIDENT INVESTIGATION

F6.1 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.

F6.2 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.

F.7 INCIDENT REPORTING

F7.1 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).

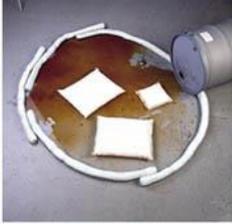
F.8 DESSEMINATION

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 DPIE and Temora Shire Council.

APPENDIX G SPILL RESPONSE PROCEDURE (EXAMPLE)

1.	<p>Raise the Alarm / Seek Assistance:</p> <ul style="list-style-type: none"> Where possible notify your Supervisor/Manager and/or Emergency Services if spill (release) is too large. 	
2.	<p>Stop the spill at the source (if safe to do so):</p> <ul style="list-style-type: none"> Turn off a valve or stabilise the container. Never put yourself at risk of harm from the spilled substance. 	
3.	<p>Secure the spill area/make safe:</p> <ul style="list-style-type: none"> Use barriers or other people to prevent entry. 	
	<p>Prevent fire/explosion by removing sources of ignition and turning off spark generating equipment.</p>	
4.	<p>Identify the substance spilled:</p> <ul style="list-style-type: none"> Determine the danger posed by the substance (e.g. flammable, toxic, explosive, etc.). Is it safe to clean up? 	
5.	<p>Personal Protection:</p> <ul style="list-style-type: none"> 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.	<p>Surround the spill:</p> <ul style="list-style-type: none"> 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.	<p>Cover the spill area with absorbent pads.</p>	

8.	<p>Check all areas for further contamination (e.g. drains, soil, etc.).</p>	
9.	<p>Disposal</p> <ul style="list-style-type: none"> • 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	<p>Reporting</p> <p>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.</p>	
11	<p>Restock Spill Kit</p> <ul style="list-style-type: none"> • 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. 	

SPILL KIT INVENTORY LIST

240L General Purpose Spill Response Kit

PRODUCT	QUANTITY
Absorbents	
Hydrocarbon Absorbent Sock – 3m	6
Hydrocarbon Absorbent Pad	25
Clean Up implements	
Waste Bags and Cable Ties	5
Hydrocarbon Resistant Gloves	2
Disposable Coveralls	1

120L General Purpose Spill Response Kit

PRODUCT	QUANTITY
Absorbents	
Hydrocarbon Absorbent Sock – 3m	2
Hydrocarbon Absorbent Pad	5
Clean Up implements	
Waste Bags and Cable Ties	5
Hydrocarbon Resistant Gloves	2
Disposable Coveralls	1