

Taralga Wind Farm

Operational Environmental
Management Plan

5 June 2019

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Revision Control

Revision Control					
Revision	Date	Change Description	Author	Review	Approved
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H	22 June 2014	Modified by new Asset Manager	W. Stone	S. Isherwood D. Dymond	B. Jones
I	5 June 2019	Modified by new Asset Owner	J. King M. Baines	S. Baguley	K. Derriman A. Ciccocioppo

Document Control

The document control of this document is maintained by the Environment and Development Manager or their delegate.

Access to this document shall be maintained for the duration of Wind Farm operations until completion of decommissioning and may be accessed by employees, sub-contractors, Health and Safety Representatives, the Environmental Representative and operational personnel.

An electronic version will be maintained on the Taralga Wind Farm public web site at www.taralga-windfarm.com.au and the internal document management system.

Distribution List

Version	Copy#	Date	Issued to	Organisation
I	1	5 June 2019	Operations & Environment and Development Team	Pacific Hydro (Management System)
I	2	5 June 2019	Shireen Baguley	Environmental Representative, Molino Stewart
I	3	5 June 2019	Office of Environment and Heritage	Department of Planning and Industry
I	4	5 June 2019	Department of Planning and Environment	Department of Premier and Cabinet
I	5	5 June 2019	Anthony Webster	Vestas Area Service Manager

Abbreviations

Abbreviation	Explanation
AHIMS	Aboriginal Heritage Information Management System
AS	Australian Standard
BBAMP	Bird and Bat Adaptive Management Program
BoP	Balance of Plant
CASA	Civil Aviation Safety Authority
CCC	Community Consultative Committee
CEMP	Construction Environment Management Plan
CHMP	Construction Heritage Management Plan
Conditions of Consent	Conditions of the State approval issued by the Land and Environment Court of NSW and subsequently modified and approved by the DPE
dBA	Decibels
DIPNR	Guideline for the Preparation of Environmental Management Plans
DPE	The NSW Department of Planning and Environment (formally the Department of Planning and Infrastructure)
EE	Essential Energy
EIP	Electromagnetic Interference Plan
EIS	Environmental Impact Statement
EP&A Act	Environmental Planning and Assessment Act 1979
EPA	NSW EPA
EPBC	Environmental Protection and Biodiversity Conservation Act
EPL	Environment Protection Licence
ER	Environmental Representative
ERP	Emergency Response Plan
FFMP	Flora and Fauna Management Plan
FM Act	<i>Fisheries Management Act 1994</i>
GMSC	Goulburn Mulwaree Shire Council
HMP	Heritage Management Plan
HSEQ MS	Pacific Hydro Health Safety and Environment Management System
ISO	International Organization for Standardization
OEMP	Operation Environmental Management Plan
MW	Megawatt
NMP	Noise Management Plan
NPW Act	<i>National Parks and Wildlife Act 1974</i>
PAD	Potential Archaeological Deposit
PH	Pacific Hydro Pty Ltd
PIRMP	Pollution Incident Response Management Plan
POEO	The Protection of the Environment Operations Act 1997

Abbreviation	Explanation
RMS	Roads & Maritime Service
RSWQMP	Rehabilitation Soil and Water Quality Management Plan
SDS	Safety Data Sheet
Secretary	Secretary of the NSW Department of Planning and Environment (DPE), or nominee
Service Compound	Fenced area containing the Site Office and Workshop, located as shown on the Site Plan
Site	Covers the disturbed areas defined by the road, hardstand envelope and Substation
Site Office	Offices located within the Service Compound, located as shown on the Site Plan
Substation	The 33 / 132 kV substation located on Site, as shown on the Site Plan
TMP	Traffic Management Plan
TWF	Taralga Wind Farm
ULSC	Upper Lachlan Shire Council
VIMR	Visual Impact Mitigation Report
Wind Farm	The entirety of the Taralga Wind Farm, including WTG, roads, buildings and electrical infrastructure
WIRES	NSW Wildlife Information and Rescue Service
WMP	Waste Management Plan
Workshop	Maintenance workshop as shown on the Site Plan, within the Service Compound
WTG	Wind Turbine Generator

1. Introduction to the Wind Farm

1.1 Wind Farm Ownership

Taralga wind farm (the Wind Farm) is owned by Pacific Hydro Pty Ltd under the following subsidiaries:

- Energy Pacific (Vic) Pty Ltd;
- Taralga Wind Farm Nominees No 1 Pty Ltd;
- Taralga Wind Farm Nominees No 2 Pty Ltd; and
- Taralga Wind Farm Pty Ltd.

1.2 Wind Farm Description

Taralga Wind Farm is located near the town of Taralga, in the southern tablelands of New South Wales (NSW). The Wind Farm generates up to 106.8 MW of electricity and consists of the following components:

- 51 Wind Turbine Generators (WTGs) with hub heights of 80 m above ground level and consisting of three types of WTG:
 - 21 V100 1.8 MW WTGs (100 metre rotor diameter);
 - 21 V90 2.0 MW WTGs (90 metre rotor diameter);
 - 9 V90 3.0 MW WTGs (90 metre rotor diameter);
- A Substation to transform the electricity produced by the Wind Farm from 33 kV to 132 kV;
- A Service Compound located adjacent to the Substation and consisting of the Site Office and workshop;
- Site access roads;
- WTG hardstands for WTG assembly and maintenance;
- Underground electrical and fibre optic cabling;
- 33 kV overhead power line and optical ground wire;
- Eight wind monitoring masts, each 80 m in height; and
- One digital television re-transmitter.

A map of the Wind Farm is included in Appendix A. The Wind Farm is divided into five collector groups (electrical circuits) and 12 rows of WTGs.

The Wind Farm is connected to the electricity network near Marulan, approximately 30 km to the south east; via a dedicated 132 kV single circuit transmission line. This transmission line is owned and operated by Essential Energy (EE) and is, therefore, not addressed by this OEMP.

1.3 Wind Farm Operation Activities

The primary purpose of the Wind Farm is the generation of electricity. The key activities associated with the wind farm operation are:

- Operation and maintenance of the 51 WTGs;
- Operation and maintenance of the Substation and other associated electrical infrastructure;
- Use and / or subsequent maintenance of access tracks, hardstands, drainage systems and fences and gates; and
- Management of environmental issues if and when they arise.

The WTGs will operate 24 hours per day, seven days per week, whenever sufficient wind is available for operation. The Wind Farm is expected to operate for a minimum of 25 years from the completion of construction in mid-2015.

The Wind Farm is operated from the Site Office in the Service Compound and control room in the Substation, located as shown in Appendix A. Approximately six full-time staff members operate and maintain the Wind Farm from the Service Compound. Contractors and extra staff members may work on-site when required. Detail on the management structure is further discussed in Section 3.

The majority of maintenance at the Wind Farm will be scheduled, primarily requiring light vehicle traffic to and around the Site with occasional truck deliveries to the Service Compound. Major repairs may require larger cranes and trucks to be brought onto Site under a task specific Traffic Management Plan.

Operations and maintenance activities will be carried out during the standard working hours of Monday to Friday, 7am - 6pm and Saturday, 8am-1pm. An exception to these hours, as per Condition L5.2 of the Environment Protection Licence (EPL), is the following activities:

- a. Any works that do not cause noise emissions to be audible (defined as 5dBA above the background noise level) at any nearby non-associated residences;
- b. The delivery of materials as requested by Police or other authorities for safety reasons; and
- c. Emergency work to avoid the loss of lives, property and/or to prevent environmental harm.

1.4 Wind Farm Approvals

1.4.1 State Approval

State approval for the Wind Farm was first granted on 17th January 2006. This approval was appealed in 2006 and subsequently determined by the Land and Environment Court of NSW on 23rd February 2007 (Court Order 11216), subject to a number of Conditions of Consent. A full list of the conditions relevant to the operations phase of the Wind Farm can be found in Appendix B with reference given to where each item has been addressed in the OEMP.

Since the original court decision, seven modifications to the Wind Farm have been granted by the NSW Department of Planning and Environment (DPE) under the Environmental Planning and Assessment Act 1979 (EP&A Act) as detailed in the table below.

Table 1 - State Approval Modifications

Modification	Approval Date	Description	Conditions of Consent Affected
1	20 th April 2009	Increase in the turbine size.	-
2	18 th June 2013	Reduction in the number of turbines from 61 to 51.	Amendments to Conditions of Consent 2, 3, 47, 51 and 61.
3	6 th November 2013	Relocation of the construction compound.	Amendments to Conditions of Consent 3, 30A, 102A, 102B, 115, 116, 117, 118 and 119.
4	6 th November 2013	Inclusion of 13 wind monitoring masts.	Amendments to Conditions of Consent 3, 30A, 102A, 102B, 115, 116, 117, 118 and 119.
5	11 th November 2014	Change to the electrical reticulation and some access track routes.	Amendments to Conditions of Consent 3, 83A, 86, 86A and 87.
6	20 th June 2014	Change to the heavy vehicle route through Goulburn.	Amendment to Conditions of Consent 3, 30, 38, 58, 59, 61, 62, 64, 65, and 66.

Modification	Approval Date	Description	Conditions of Consent Affected
7	13th March 2015	Change to the underground reticulation route at Bannaby Road. Change to Condition 86 facilitating the construction of Row 12.	Amendment to Conditions of Consent 65 and 86.
8	14 September 2015	<ul style="list-style-type: none"> amending the schedule of land in the consent; changing the current restrictions on external night lighting; revising the operational noise conditions, to remove inconsistency with current practice and guidelines, and to clearly align the conditions with those on the Environmental Protection Licence (EPL); changing the offset requirements for the clearing associated with the development of Row 6 of the wind farm; clarifying the rehabilitation requirements for the hardstands constructed for the wind farm; and revising the proposed arrangements for the proposed TV re-transmitter 	Amendment to Conditions of Consent 2, 3, 20, 21, 25, 26, 29, 36, 40, 42, 43, 44, 47, 48, 48A, 50, 54, 55, 57, 83, 88 and 90.

1.4.2 Environment Protection Authority Regulation

The Protection of the Environment Operations Act 1997 (POEO Act) was amended in 2013 to make the NSW Environment Protection Authority (EPA) the regulatory authority for large-scale wind farms. Under the POEO Act, large-scale wind farms are required to hold an Environment Protection Licence (EPL) which is the central means through which the EPA regulates 'scheduled activities'. An EPL was issued to Taralga Wind Farm (TWF) by the EPA on the 18th November 2014 (EPL number 20429).

1.4.3 Commonwealth Approval

The Wind Farm was declared a 'non-controlled action' on 21st December 2004, under the Commonwealth Environmental Protection and Biodiversity Conservation Act (EPBC Act). As a consequence, no approval under the EPBC Act was required.

1.5 Key Environmental Impacts

The potential environmental impacts of the Wind Farm were identified in the Environmental Impact Statement (EIS). The impacts are largely limited to the construction phase. The key environmental issues to be managed during operation include:

- Operational noise;
- Sediment and erosion control;

- Weeds;
- Impacts to native vegetation;
- Impacts on birds and bats;
- Management of known and unknown heritage items;
- Bushfire;
- Television signal interference;
- Appropriate storage and management of fuels and oils; and
- Traffic impacts caused by oversize vehicles required for major Wind Farm repairs.

2. Introduction to the Operation Environmental Management Plan

2.1 Objectives

This Operation Environmental Management Plan (OEMP) sets out the environmental procedures, processes and controls that will be implemented by all operations staff, including contractors, for activities associated with the operation of the Wind Farm.

The objectives of this OEMP are to:

- Provide a management framework that aims to control potential operation impacts on the environment, through the identification and use of:
 - Environmental objectives,
 - Key environmental risks,
 - Management controls, and
 - Measurable targets.
- Ensure that all operational staff are made aware of the potential operational impacts on the environment and associated management controls within which they are expected to conduct their activities;
- Identify management responsibilities and define reporting requirements;
- Provide evidence of compliance with the Conditions of Consent and the conditions of the EPL as well as relevant legislation, policies and guidelines; and
- Provide stakeholders with assurance that the operation of the Wind Farm is being managed in an environmentally acceptable manner.

Note that the OEMP does not address the construction or decommissioning phases of the Wind Farm. These activities have different environmental impacts and are addressed by the following separate plans:

- Construction Environmental Management Plan (CEMP);
- Decommissioning and Rehabilitation Plan – available on the Wind Farm website and updated every five years until decommissioning and rehabilitation is complete; and
- Decommissioning Environmental Management Plan – to be prepared in consultation with the relevant agencies and approved by the DPE prior to decommissioning.

2.2 Health Safety and Environment Quality Policy

The Pacific Hydro Health Safety Environment and Quality Policy is a fundamental element of this OEMP and are integral to everything that TWF and its contractors do. The Policy is available on the Pacific Hydro document management system, displayed in a prominent location in the Site Office and is a central component of the Site Induction training for all Site Staff. The Policy is consistent with the objectives of this OEMP.

2.2.1 Pacific Hydro HSEQ Policy

Taralga Wind Farm is committed to generating safe renewable wind energy in an environmentally responsible manner. Our aims are:

- All work conducted by Pacific Hydro is conducted in a safe, efficient and environmental responsible manner;
- Pacific Hydro complies with applicable HSE legal and other requirements; and
- The satisfaction of our people, clients and stakeholders is enhanced through the effective application of the Health, Safety, Environment and Quality Management System (HSEQ MS).

2.2.2 ISO Accreditation

Pacific Hydro's HSEQ MS conforms to, and is independently certified to, the requirements of ISO 9001 (Quality Management System), ISO 14001 (Environmental Management System) and OHSAS 18001 (Health and Safety Management System).

Pacific Hydro's Asset Management System conforms to, and is independently certified to, the requirements of ISO 550001 (Asset Management System)

Through its HSEQ management system, Pacific Hydro is obliged to meet the following four basic commitments:

- Compliance with legal and other requirements;
- Aim of keeping our people, contractors and the public free from harm;
- Prevention of pollution; and
- Continual improvement.

2.3 Compliance

The OEMP has been prepared in line with *Guideline for the Preparation of Environmental Management Plans* (DIPNR 2004) and in accordance with Condition 26 of the Conditions of Consent. The OEMP addresses the following, where relevant to the operation of the Wind Farm:

- Conditions of Consent issued by the DPE under the EP&A Act;
- Conditions of the EPL issued by the NSW EPA under the POEO Act; and
- Other environmental legislation and regulatory requirements.

The conditions relevant to the operations phase of the Wind Farm can be found in Appendix B.

Note: ULSC should be consulted before any maintenance work is undertaken on public roads. A Section 138 approval may be required if substantial works are required. Other permits and approvals required for the construction phase may also need to be modified, or new ones sought, for major maintenance during the operations phase. Those permits and approvals that are potentially applicable are shown in the table below.

Table 2 - Permits and Approvals Required for Construction

Permit/Approval	Authority	Description	Sub-plan
Section 68c	ULSC	Installation of Sewage Management Systems for the service compound.	Section 5 – Rehabilitation, Soil and Water Quality Management Plan
Controlled Activity Approval	DPI Office of Water	Installation of waterway crossings.	Section 5 – Rehabilitation, Soil and Water Quality Management Plan
Part 7 Fisheries Management Act Permit	DPI Fisheries NSW	Installation of waterway crossings that could temporarily or permanently obstruct fish passage	Section 5 – Rehabilitation, Soil and Water Quality Management Plan
Section 138	ULSC	Works on public roads (Old Showground Rd, Bannaby Rd and Alders and Crees Rd).	Section 9 – Traffic Management Plan
Oversize / over-mass vehicle permit	RMS	Transport of oversize and over-mass WTG components and equipment on NSW public roads.	Section 9 – Traffic Management Plan

A full list of environmental legislation and regulatory requirements is provided in Appendix C, detailing the applicability of each requirement to the Wind Farm.

2.4 Consultation

The development of the original OEMP included consultation with the following relevant government agencies, in accordance with the Conditions of Consent:

- NSW Department of Planning and Environment (DPE);
- NSW Office of Environment and Heritage (OEH);
- NSW Roads and Maritime Services (RMS), previously the Roads and Traffic Authority;
- Upper Lachlan Shire Council (ULSC); and
- Water NSW, previously the Sydney Catchment Authority.

The 'Department of Lands' referred to in the Conditions of Consent no longer exists. However, the NSW Crown Lands Division was consulted with during both development and construction phases of the Wind Farm in relation to impacted Crown land and Crown roads.

This version of the OEMP has been revised to take into account a change in ownership and to address a number of opportunities for improvements and non-compliances identified in the most recent OEMP audit as required under Condition 23 of the Conditions of Consent. As the proposed changes will not significantly alter the intent of the document, no additional consultation has been carried out with the government agencies identified above.

3. Management Structure and Responsibilities

This section outlines the management structure at the Wind Farm and the environmental management responsibilities of different entities involved in the operation phase. Note that Pacific Hydro and its subsidiaries are ultimately responsible for the environmental impacts resulting from the actions of all persons on site associated with Taralga Wind Farm, including contractors, subcontractors and visitors, as per Condition 12.

Figure 1 below denotes the responsibilities of each entity involved in the operation of the Wind Farm. The key organisations with full time roles in the management of the Wind Farm are:

- Pacific Hydro Pty Ltd (PH), the *Asset Owner* is responsible for managing the Wind Farm, in accordance with its Licence and all Conditions of Consent; and
- Vestas Australia Wind Technology Pty Ltd, the contracted Site Manager, Operator and WTG Maintenance provider is responsible for managing and controlling the day to day activities on the site and operating and maintaining the WTGs.

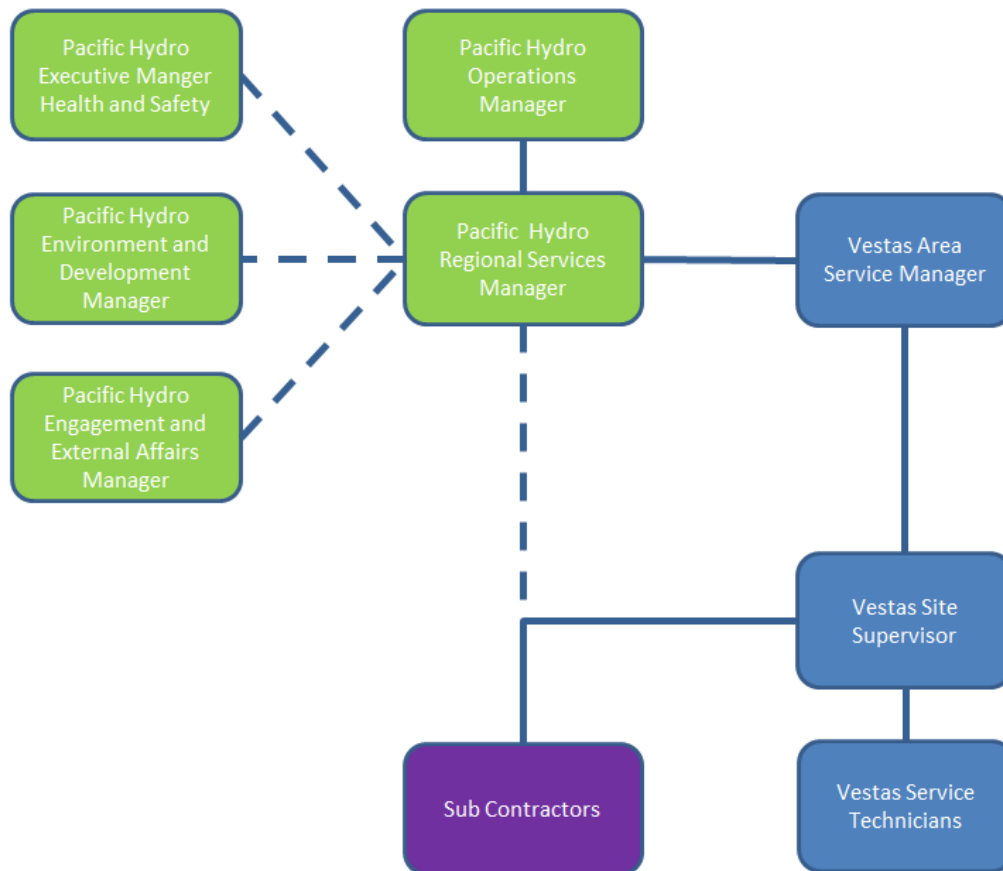


Figure 1 - TWF Management Structure

3.1 Regional Services Manager (Pacific Hydro)

The Regional Services Manager has primary responsibility for the overall management of the Wind Farm. In the context of this OEMP, this person's primary responsibility is to implement the environmental practices and oversees the operational compliance of the Wind Farm in accordance with the OEMP.

3.2 Health and Safety Manager (Pacific Hydro)

The Health and Safety Manager through its delegates will ensure that Pacific Hydro complies with all relevant HSEQ legislation and will ensure that HSEQ specifications are in accordance with Pacific Hydro's and / or the contract's requirements utilising a planned program of internal and external system audits such as ISO14001 Environmental Management System and AS 4801 Occupational Health and Safety Management Systems.

3.3 Environment and Development Manager (Pacific Hydro)

The Environment and Development Manager through its delegates has the responsibility to ensure that the Wind Farm is regularly monitored for environmental performance and compliance utilising tools within the HSEQ management system such as the Approvals Compliance Register and its Environmental Compliance Monitoring Program.

3.4 Engagement and External Affairs Manager (Pacific Hydro)

The responsibilities of the Engagement and External Affairs Manager are to engage with the local community through its delegates by managing the complaints process and maintaining the Wind Farm's public website.

3.5 Area Service Manager (Vestas)

The Area Service Manager has primary responsibility for managing and controlling the day-to-day activity on the Wind Farm and is responsible for implementing the environmental requirements within the OEMP.

3.6 Site Staff (Vestas)

In addition to the management positions referred to above, there will be a site supervisor and a number of service technicians (WTG and BOP) and administrative staff working regularly on the Site. These parties operate under long term pre-established contracts, and are therefore collectively termed site staff. Along with their own duties, site staff are to comply with all requirements of the OEMP and will immediately cease, and report, any workplace activity (including that of other persons) which presents an immediate risk to the environment.

3.7 Subcontractors

A small pool of subcontractors, primarily civil contractors and consultants engaged on technical and compliance matters will be utilised on-site. Where engaged, these subcontractors will be required to undertake a Site Induction and comply with all aspects of this OEMP and all associated compliance documents, permits, procedures and standards.

3.8 Environmental Representative

The Environmental Representative (ER) is an independent consultant who is the primary contact point in relation to the environmental performance of the Wind Farm and is required under Condition 27. Responsibilities of the ER are to:

- a. Oversee government agency approval / certification and implementation of all environmental management plans, monitoring programs and compliance reports required under the Conditions of Consent;
- b. Advise PH on its compliance obligations against all matters specified in the Conditions of Consent, EPL and all other licences and approvals related to the environmental performance and impacts of the Wind Farm;
- c. Consider any complaints received, and advise PH on a suitable response;
- d. Have the authority and independence to require reasonable steps be taken to avoid or minimise unintended or adverse environmental impacts, and failing the effectiveness of such steps, to direct that relevant actions be ceased immediately should an adverse impact on the environment be likely to occur; and

- e. Report to the DPE.

3.9 Visitors

All visitors to the Site will be made aware of any key environmental and safety matters associated with their visit. Visitors will undergo a Site Induction covering both Safety and Environmental requirements relevant to their activities.

4. Management Systems

4.1 Information Management

Pacific Hydro maintains a hosted document management system which incorporates the requirements of ISO 45001 (Occupational Health and Safety Management), ISO 14001 (Environmental Management) and ISO 9001 (Quality Management).

The management system integrates processes and procedures at the corporate, business unit and function levels and allows for the measurement and evaluation of health, safety, environment and quality performance.

A risk management framework is provided for assessing, identifying and reducing the risks associated with the service quality and work activities that have the potential to impact the environment and cause injury or illness.

The management system ensures that everyone (including visitors and contractors) understand and comply with relevant health, safety, environment and quality legislation, standards, policies, procedures, and other requirements whilst engaging with Pacific Hydro.

The management system allows for record keeping of complete, legible, identifiable, traceable and signed approved forms, where required. All documents will be kept for at least four years after the monitoring or event to which they relate took place. The record of a complaint must be kept for at least seven years after the complaint was made.

A number of management documents are referred to within this OEMP. Appendix D contains a full list of all documents relevant to the OEMP with a matrix indicating which documents relate to each sub-plan.

Documents will be indexed and stored electronically in the document management system. These documents include:

- This OEMP;
- All management documents listed in Appendix D;
- Reports produced, including those listed in Section 4.2;
- The current version of the EPL (number 20429); and
- Any other regulatory permits that may be obtained by the Asset Owner (PH) during Wind Farm operation.

4.2 Environmental Reporting

The table below lists the reports associated with the OEMP that will be prepared and submitted to regulatory authorities in accordance with the Conditions of Consent and EPL. Due dates for each report are recorded in the PH Environmental Compliance Register.

Subject to confidentiality, the reports will be made publically available on the Taralga Wind Farm website following approval by the DPE or issuing to the relevant government agency, as per Condition 9.

Table 3 - Operational Reporting Requirements (current)

Report	Timing	OEMP Reference	Condition	Issued to	Responsibility
EPL Annual Return	Annual - the EPA will provide a form to be completed at the end of each reporting period (18 November)	-	R1	EPA	Pacific Hydro

Report	Timing	OEMP Reference	Condition	Issued to	Responsibility
NSW Wildlife Information and Rescue Service (WIRES) donation	As required - A financial contribution per death of a Wedge-tailed eagle	Appendix B	92	WIRES	Pacific Hydro
Operation Environmental Impact Audit Report	Submitted to the DPE within six weeks after a 12 month period of operation (post commissioning) and then at any additional periods requested by the DPE	Section 4.11 (Independent Audit)	23	DPE	Pacific Hydro

Table 4 - Operational Reporting Requirements (completed)

Report	Timing	OEMP Reference	Condition	Issued to	Responsibility
Environmental Noise Compliance	Commissioned with first 6 months of operation	Completed	41-43; 45-49; 51-52; EPL L3.1	Landowners, DPE, Applicant	Applicant
Visual Impact Mitigation Report (VIMR)	Commissioned within 14 days of an eligible request	Completed	32	DPE, Applicant	Pacific Hydro
Road Safety Report	Commissioned after 12 months of operation (post commissioning)	Completed	82	DPE, ULSC, RMS	Pacific Hydro

4.3 WTG Operational Records

Condition 117 states that any individual WTG that ceases operating for a period of more than 12 consecutive months must be dismantled within 18 months of this 12 month period, unless otherwise agreed by the Secretary. Independently verified records of WTG use for electricity generation must be kept.

Pacific Hydro receives regular reports from the WTG Maintenance Contractor on individual WTG performance. These records can be provided to the Secretary and independently verified upon request.

4.4 Compliance Management

An Approvals Compliance Register is maintained which lists all the relevant legislation and regulations that are applicable to the Wind Farm. The Conditions of Consent relevant to the OEMP can be found in Appendix B. A full list of the legal and regulatory requirements is provided in Appendix C.

The Approvals Compliance Register is reviewed on a regular basis as part of Pacific Hydro's internal auditing review process.

4.5 Risk Management

Pacific Hydro's HSEQ MS contains a Risk Management Assessment Procedure applicable to the Wind Farm Risks associated with Wind Farm operation are reviewed as required based on events or legislative changes.

Risks that relate to environmental issues are detailed in Pacific Hydro's Environmental Impacts and Aspects Risk Register for Taralga Wind Farm. This document is a management system document subject to regular updates. A PDF version is referenced in Appendix D. The current pdf version of this document is located on the Taralga Wind Farm Website <https://www.taralga-windfarm.com.au> and is also available on request to Pacific Hydro.

4.6 Training and Induction

4.6.1 Site Induction

All site staff, subcontractors and consultants will be required to undergo a comprehensive Site Induction which will include information on standard environmental practices on-site. The Site Induction will be provided as follows:

Part 1: Pacific Hydro corporate induction (online pre-arrival) including and introduction to Pacific Hydro's policies and expectations.

Part 2: Pacific Hydro Taralga Wind Farm visitor's induction (online pre-arrival) which includes:

- Introduction to Taralga Wind Farm, its site location and general information;
- Site rules, general conduct and expected behaviour;
- The site management structure, including roles and responsibilities of site staff, subcontractors and consultants; and
- The objectives of the OEMP and HSEQ Policy.

Part 3: Vestas Site Induction including:

- Emergency and evacuation procedures as outlined in the Vestas Emergency Response Plan (ERP) referenced in Appendix D. The ERP is a Vestas document for Vestas representatives to follow for emergency response situations.
- Key environmental risks and requirements; and
- An outline of the process for recording incidents, near misses and hazards including an outline of the requirements of the Pollution Incident Response Management Plan (PIRMP) found in Appendix J.

4.6.2 Job Pre-Start Communication

In addition to the Site Induction and Monthly Safety Meetings, Job Pre-Start discussions, will be undertaken prior to high risk activities. A Job Pre-Start discussion is a short discussion of health, safety and environmental requirements delivered at the commencement of a shift that is usually directly applicable to the work about to be undertaken.

4.6.3 Additional Training

Where additional training is required it will be specified within a training matrix and recorded in the training register. Additional training may include spill kit use, chemical handling, bird and bat handling (if required), driver training etc.

4.7 Environmental Incidents

4.7.1 Environmental Incident Definition

An environmental incident can be defined as an unexpected event that may result in harm to the environment and requires some action to minimise the impact or restore the environment. An environmental incident can include (but is not limited to) the following:

- Spill of fuel, oil, chemical or other hazardous materials;
- Failure of erosion/sediment control;
- Contamination of surface water, ground water or land;
- Breach of licence, permit condition or legislative requirements;
- Damage to vegetation marked for protection;
- Harm to fauna e.g. collision, impact or discovery of fauna; and
- Discovery or damage to cultural heritage materials or sites.

An event that has the potential to impact on the environment (such as a spill into a contained area) is still classified as an environmental incident and should be reported to the Pacific Hydro Environmental Compliance Officer as an incident with no impact.

4.7.2 Incident Reporting Protocol

In the first instance all incidents will be reported to Vestas as the site Operator as per the Vestas management system. Vestas is required to report all incidents to Pacific Hydro.

Pacific Hydro has an Incident Reporting and Investigation Procedure to ensure compliance with Pacific Hydro standards and regulatory requirements relating to the reporting, case management, investigation and implementation of corrective actions.

Pacific Hydro uses a specialist incident reporting system (Intalex) to record and manage environmental incidents. All incidents are recorded into this system once reported to the Regional Services Manager.

The system is designed to record a broad range of incidents, including environmental incidents. It will also record the action that is taken to manage them, based on the various management strategies outlined in this OEMP and associated sub-plans.

4.8 Complaints

Complaints can be received from a number of sources including:

- Via the Wind Farm website (www.taralga-windfarm.com.au);
- Via the complaints 24/7 hotline (see website for number);
- Via email (see website for address); and
- Via post (see website for address).

A permanent notice board is located in the post office in Taralga Village which Information that advertises the Wind Farm website address, email address, postal address and telephone number for complaints is provided on notice boards in Taralga Village.

All complaints, including those regarding environmental matters, are recorded in the *Complaints Register*. This register is maintained as an online database and a redacted copy of the database is uploaded to the Wind Farm website on a regular basis for public viewing. Fields in the *Complaints Register* include:

- Date and time of complaint;
- Method of contact (i.e. phone, mail, email, website);
- Complainant name and contact details;
- Summary of complaint;
- Response details;
- Status (i.e. open/closed); and
- Further action required.

The *Complaints Register* will be maintained by the Engagement and External Affairs Manager who will be responsible for responding to complaints with the assistance of other staff members where required. The ER will be notified of all complaints received and will participate in the complaint process and provide advice on a suitable response and actions, if required.

Complaints that are of a serious nature will be reported to the Operations Manager and may also be logged as an incident in Pacific Hydro's incident reporting system (see Section 4.7).

For complaints related to operational noise from the Wind Farm, the complainant will be contacted to collect further information and the noise complaints procedure will be followed, as outlined in Section 8 of the Noise Management Plan (NMP) in Appendix D.

4.9 Community Consultative Committee

Condition 30A requires a Community Consultative Committee (CCC) to operate for the life of the Wind Farm and in a manner generally consistent with the requirements of *Appendix C: Guidelines for wind farm consultative committees*, as contained in the *Draft NSW Planning Guidelines - Wind Farms* (Draft NSW Guidelines, December 2011). The CCC provides a forum for open discussion between the Wind Farm operator and community representatives.

The committee will determine the frequency of meetings during operations but will likely reduce the number of meetings per year as the Wind Farm becomes more established. The Draft NSW Guidelines recommend meeting twice a year after the first two years of operations.

CCC meetings are organised and attended by the Engagement and External Affairs Manager and may be attended by the Regional Services Manager and other Wind Farm representatives, depending on the agenda. Minutes of meetings are posted on the Wind Farm website once endorsed by the chairperson.

4.10 Inspections

Regular inspections of operational activities and environmental performance will be undertaken by the Regional Services Manager. Those relevant to environmental management are:

- Animal carcasses around road sides, hardstands and culverts;
- Erosion, sediment controls and containment systems (e.g. oil separators in substation);
- Hazardous materials and waste;
- Rehabilitated grasses and vegetation;
- Safety equipment; and
- Weeds.

The frequency of inspections varies from monthly to annual, depending on the risk associated with the aspect being inspected. This information is provided in the Management Controls section of the Wind Farm Environmental Impacts and Aspects Risk Register, and the Wind Farm Risk Register

Completed checklists will be recorded and stored electronically on Pacific Hydro's document management system. Any item identified during an inspection that requires investigation will be managed via *Audit Action Register* and corrective actions (Section 4.11).

The effectiveness of the inspections will be reviewed as part of internal management reviews and where necessary, the level, scope and timing of inspections will be improved through the life of the Wind Farm to achieve the required environmental performance.

4.11 Corrective Actions

The main outputs of environmental compliance assessments will comprise a report for each assessment conducted.

Non-compliances, non-conformities and deficiencies identified through the compliance monitoring program for which Pacific Hydro is responsible will be recorded on the Pacific Hydro Audit Action Register and corrective actions closed out accordingly. Those which the contractor is responsible will be included within the contractor's own incident and non-compliance process. Close out of corrective actions are completed by the persons delegated and the follow up is the responsibility of the Regional Services Manager and/or the Environmental Compliance Officer..

4.12 Independent Audit

An Operation Environmental Impact Audit Report must be prepared and submitted to the DPE within six weeks after a 12 month period of operation (post commissioning) and then at any additional periods requested by the DPE. If requested, the report must be provided to other relevant government agencies. This is in accordance with Condition 23 of the Conditions of Consent.

The Operation Environmental Impact Audit Report must:

- a. Be certified by an independent person at the Wind Farm's expense. The certifier must be approved by the DPE prior to the preparation of the audit report;
- b. Compare the operation impact predictions made in the EIS and documents identified in Condition 3;
- c. Assess the effectiveness of implemented mitigation measures and safeguards;
- d. Assess compliance with the systems for operation maintenance and monitoring; and
- e. Discuss the results of consultation with the local community particularly any feedback or complaints and how any such complaints were addressed and resolved.

The DPE may, having considered the findings of the audit report, require Pacific Hydro to undertake works to address the findings or recommendations presented in the report. The result of the audit report will also be used to update the OEMP where necessary. Any significant update to the OEMP will be reviewed and certified by the ER and the DPE and relevant government agencies will be notified.

4.13 OEMP review

The OEMP will be reviewed when:

- There is a change in the scope of the project;
- Following a significant environmental incident;
- There is a need to improve the performance in an area of environmental impact; and
- At the completion of environmental audits.

The review will ensure that the OEMP is up to date with environmental standards and that any changes to procedures and corrective actions resulting from incidents, complaints, inspections and audits are taken into account.

The review will be completed by members of the Pacific Hydro management structure listed in Section 3. The OEMP will be amended, as required, based on the outcomes of the review.

It is acknowledged that minor changes to the OEMP may occur on a regular basis during operation. The ER will be provided with any changes made to the OEMP for comment and the ER will also advise on whether the changes are significant or substantial enough to require further consultation with Relevant Government Agencies and/or approval from the DPE.

All changes made to the OEMP will be controlled and it will be the responsibility of the Pacific Hydro Operations Manager or delegate to ensure that new versions are distributed to those on the document Distribution List and any changes to the OEMP are communicated to Site Staff.

5. Rehabilitation, Soil and Water Quality Management Plan

5.1 Introduction

5.1.1 Background

This Rehabilitation Soil and Water Quality Management Plan (RSWQMP) identifies the potential erosion, sedimentation and water quality impacts associated with Wind Farm operation and outlines mitigation measures designed to avoid and minimise any adverse impacts on local waterways and surrounding land including:

- Rehabilitation activities transferred from construction into operations phase; and
- Pollution Incident Response and Management.

Reference numbers for the Conditions of Consent and EPL that are relevant to soil and water quality management and landscape and rehabilitation are shown in Table 4 with full conditions of consent available in Appendix B.

Table 5 - Conditions Relevant to the RSWQMP

Authority	Relevant Conditions
DPE	31, 32, 33, 96, 97, 99, 113
EPL	L1, O3, O5, M3, R2

Drawings that were prepared for the CEMP and that are relevant to this RSWQMP are reproduced in Appendix E and referred to within this RSWQMP.

5.1.2 Applicable Guidelines

Guidelines, legislation and regulations that are applicable to this plan include:

- “Guidelines for the Control of Erosion and Sedimentation in Roadworks” (Road and Traffic Authority, undated);
- “Managing Urban Stormwater: Soils and Construction, Volume 1 - Blue Book” (Landcom, 2004);
- “Managing Urban Stormwater: Soils and Construction, Volume 2C - Unsealed Roads” (NSW Department of Environment and Climate Change, 2008);
- “Storing and Handling of liquids: Environment Protection, Participants Manual: Appendix: Technical Considerations” (DECC, 2007);
- “The storage and handling of flammable and combustible liquids” (AS 1940-2017);
- “Waste Classification Guidelines – Part 1: Classification of Waste.(NSW Environment Protection Authority, 2014);
- Fisheries Management Act 1994 (Part 7);
- Local Government Act 1993 (Section 68, Part C – Management of Waste);
- Protection of the Environment Operations Act 1997 (POEO Act, Section 120, Part 5.7A);
- Roads Act 1993 (Section 138); and
- Water Management Act 2000 (Controlled Activity Approval).

5.1.3 Objectives

The objectives of this plan are to:

- Ensure that erosion and sediment control systems are maintained and functioning;
- Minimise soil erosion as a result of construction, operations and maintenance of the Wind Farm;
- Stabilise disturbed construction areas through re-vegetation;
- Maximise sediment retention on-site;
- Prevent and control the discharge of pollutants and contaminants into natural watercourses and native vegetation;
- For unintended new works, rehabilitate disturbed areas to reduce the visual impacts resulting from disturbed earth (such as on batters, windrows and cable trenching); and
- For unintended new works, monitor rehabilitation progress to ensure its effectiveness.

5.2 Potential Impacts

The operational activities that are considered likely to generate sedimentation or erosion are limited to:

- Disturbance of access roads or hardstand areas during road maintenance activities;
- Disturbance of soil as a result of new maintenance which requires new excavation of previously undisturbed areas with resulting erosion risk and impacts to watercourses;
- Disturbance of soil as a result of farming practice specifically stock management. Roaming stock can cause an erosion risk where disturbed areas associated with the wind farm have struggled to rehabilitate. The resulting erosion risk can have an impact to watercourses;
- General erosion of access roads or hardstands during usage or during heavy rainfall or storm events; and
- Dust being generated from uncovered loads.

Appropriate erosion and sediment control systems have been implemented during construction to manage and prevent any movement of road materials off-site. Specific areas are also being monitored following construction due to stock management preventing appropriate rehabilitation of disturbed ground.

Whilst unintended, new excavation works, such as for maintenance of cable repairs, provision of additional drainage and erosion controls and major road repairs are possible during operation but are expected to occur very infrequently. Any such work, and subsequent rehabilitation, will occur in accordance with the management controls applicable to each environmental aspect listed in this OEMP.

A small quantity of hazardous materials will also be maintained on-site. The identification, storage, handling and disposal of these materials are listed in the PIRMP (Appendix J). For major spills that endanger people and/or the environment, the emergency response in the PIRMP (Appendix J) will be followed.

5.2.1 Risk Mapping

The risks associated with erosion, sedimentation and water quality were high during construction of the Wind Farm and will remain moderate to high through the first year of operation whilst the rehabilitation of the disturbed land is established. Once construction disturbance area rehabilitation is established, the risks to soil and water quality from the Wind Farm are reduced. However, some risk remains high with some unsealed roads and areas where stock movements are preventing rehabilitation.

The areas at risk from stock movement are as follows:

- The steep sided embankment of the hardstand of turbine 49; and
- The west side of the track, midway, on approach to turbine 31.

The Wind Farm infrastructure was mapped prior to construction to identify areas that represent low, moderate and high soil and water risks (Drawings EV05 to EV07 in Appendix E). The risks mapped are based on the slopes given in the table below. All areas within 40m of a drainage line were also assigned as high risk.

Table 6 - Soil and Water Risk Mapping Based on Slope

Slope	0-2.5 degrees 0-4.4%	2.5 – 10 degrees 4.4 – 17.6%	>10 degrees >17.6%
Risk	Low	Moderate	High

5.3 Risk Management and Control

The two areas impacted by stock management are currently being monitored for rehabilitation and fencing requirements. Otherwise, erosion and sediment controls will be decommissioned in a manner that does not cause ongoing soil erosion or environmental harm but only if rehabilitation has been achieved as per the targets in Table 7 below.

Risks associated with the operation phase of the Wind Farm have been assessed using the Risk Management process described in Pacific Hydro’s HSEQ MS. A detailed view of this assessment is contained in the Wind Farm’s Environmental Impacts and Aspects Risk Register referenced in Appendix D.

5.4 Measurable Targets

Table 7 - RSWQMP Targets

Target	Measurement
Continual rehabilitation of: disturbed areas between T20-T27 rehabilitated to at least 50% ground cover disturbed areas everywhere else rehabilitated to at least 70% ground cover	Quarterly Inspection Records
All quarterly environmental site inspections undertaken	Quarterly Inspection Records
Prevention of erosion damage to the drainage system	Quarterly Inspection Records
Prevention of sediment flow off Site	Incident Register Complaints Register
No complaints recorded of excessive dust emissions during operations	Complaints Register
Utilisation and maintenance of erosion or sediment control in accordance with drawings in Appendix E	Quarterly Inspection Records
Temporary erosion and sediment controls removed after rehabilitation works have been completed on more than 90% of the contributing catchment	Quarterly Inspection Records
All hazardous materials stored and used in accordance with the relevant SDS	Quarterly Inspection Records

6. Noise Management

6.1 Introduction

6.1.1 Background

This Noise Management section summarises the noise and vibration impacts and controls discussed in the Noise Management plan (NMP) (Appendix D) that may result from operation of the Taralga Wind Farm.

In general for complaints related to operational noise from the Wind Farm, the complainant will be contacted to collect further information and the noise complaints procedure will be followed, as outlined in Section 8 of the NMP in Appendix D.

Reference numbers for the Conditions of Consent that are relevant to noise and vibration are shown below with full conditions available in Appendix B.

Table 8 - Conditions Relevant to the NMP

Authority	Relevant Conditions
DPE	39, 42-54
EPA	L3 and L5

Condition 39 specifically requires that a NMP is prepared and implemented to minimise operational noise emissions. The NMP can be found in Appendix D.

6.1.2 Applicable Guidelines

Guidelines that are applicable to this plan include:

- Wind Farms – Environmental Noise Guidelines”, South Australia EPA, 2003 (SA EPA Guidelines);
- Wind Turbine Generator Systems – Part 11: Acoustic noise measurement techniques” (IEC 61400-11:2002);
- Assessing Vibration – a technical guideline”, DEC, 2006; and
- NSW Industrial Noise Policy”, EPA, 2001 Objectives

The objectives of this plan are to:

- Identify all major sources of noise that may be emitted as a result of operation;
- Identify and implement the best practice management techniques for minimisation of noise emissions for the development;
- Specify the wind farm operational noise criteria for all relevant receivers as required by the Conditions of Consent and EPL;
- Outline procedures for noise compliance testing and addressing noise complaints; and
- Outline the procedure to be undertaken if any non-compliance is detected.

6.1.3 Vibration

Although Condition 39 requires an Operational Noise and Vibration Management Plan, there are no conditions relating to vibration during operation. Therefore no controls are required during operation of the Wind Farm.

6.2 Noise Sources

The main sources of noise will be from the WTGs themselves, potentially the electrical substation and from general activities associated with operation and maintenance of the Wind Farm. The NMP in Appendix D discusses in detail how the noise will be generated.

6.3 Noise Risk

The NMP in Appendix D contains a risk assessment of the key noise risks and has identified management controls to mitigate these risks.

The resulting key risk and risk score associated with operation and maintenance of the Wind Farm have been identified as follows:

- Medium Risk - Noise from the WTGs exceeding noise criteria;
- Low Risk - Excessive noise from the substation; and
- Medium Risk - Excessive noise from site operations and maintenance.

6.4 Risk Management and Control

The NMP in Appendix D provides further details on the management controls and best practice management techniques that will be used to minimise noise emissions during operation. They are also summarised as follows:

- Noise compliance testing;
- Noise complaint procedure;
- WTG maintenance;
- Guaranteed maximum sound power levels and tonality performance;
- Noise ameliorative measures;
- Substation maintenance;
- Standard working hours; and
- Speed restriction.

6.5 Measurable Targets

Table 9 - Noise Measurable Targets

Target	Measurement
WTG Noise Criteria – defined in the NMP in Appendix D	Noise Compliance Testing
Tonality Criteria - defined in the NMP in Appendix D	Noise Compliance Testing
Low frequency noise criteria - defined in the NMP in Appendix D	Noise Agreement
Substation Noise Criteria - defined in the NMP in defined in the NMP in Appendix D	Noise Agreement or Noise Compliance Testing

7. Flora and Fauna Management Plan

7.1 Introduction

7.1.1 Background

This Flora and Fauna Management Plan (FFMP) details impacts on flora and fauna resulting from operation of the Wind Farm and management strategies that will be employed during operation to address those impacts.

Management of specific impacts on birds and bats is addressed in the Bird and Bat Adaptive Management Program (Appendix H).

For impacts to land a Biodiversity Offset Package and BioBanking Agreement was prepared, submitted and agreed to by OEH. Both the Package and Agreement are referred to in Appendix D.

A number of objectives and management controls regarding rehabilitation in the FFMP are also contained in Section 5 RSWQMP.

Reference numbers for the Conditions of Consent that are relevant to flora and fauna management are shown below with full conditions available in Appendix B.

Table 10 - Conditions Relevant to the FFMP

Authority	Relevant Conditions
DPE	26, 86, 86A, 87, 88, 91 and 92

7.1.2 Applicable Guidelines

Guidelines, legislation and regulations that are applicable to this plan include the:

- *Biodiversity Conservation Act 2016*;
- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act);
- *Environmental Planning and Assessment Act 1979* (EP&A Act);
- *Fisheries Management Act 1994* (FM Act);
- *Local Land Services Act 2013*;
- *National Parks and Wildlife Act 1974* (NPW Act);
- *Pesticides Act 1999*; and
- *Threatened Species Conservation Act 1995*.

7.1.3 Objectives

The objectives of this plan are to:

- Minimise disturbance of native flora and fauna;
- Rehabilitate the construction disturbance areas;
- Reduce weed spread resulting from construction of the Wind Farm; and
- Effectively manage weed spread or infestation resulting from operation and maintenance activities at the Wind Farm.

7.2 Site Characteristics

Impacts that occurred during Wind Farm construction along roads, handstands and cable routes, where soils have been disturbed will undergo remediation and re-vegetation during operations, in line with this plan. Rehabilitation during operation will be undertaken across all construction disturbance areas through re-seeding and weed maintenance. Monitoring will be undertaken to ensure success of rehabilitation in line with the FFMP objectives.

The majority of the vegetation in the development zone is exotic grassland with a long history of grazing. Valuable native flora and fauna is present in some areas and includes the following Endangered Ecological Communities (EECs):

- Tableland Basalt Forest; and
- Natural Temperate Grassland (potential habitat for the Striped Legless Lizard).

Maps detailing existing ecological habitats can be found in Appendix F and the most Sensitive Areas, including the EECs referred to above, can be found on the Site Plan in Appendix A. This map provides a clear summary of all sensitive flora and fauna and heritage areas in close proximity to Site infrastructure and access roads.

7.3 Potential Impacts

During operation, the road and hardstand network across the site will be used for the movement of light vehicles and maintenance vehicles with vehicles speeds controlled at 40 km/hr. Wind turbines will continue to function normally presenting an ongoing risk to bird and bats from being struck by rotating blades. It is unlikely that any other additional disturbance will occur to fauna during wind farm operations. Vehicle movements off the road and hardstand network will be rare, and as such, there is no expectation of impacts to native vegetation either.

Where maintenance of drainage and erosion control systems or underground cables is required, impacts off the existing network will typically occur in construction rehabilitation areas, though impacts outside this area are possible. Any additional disturbance areas created as a result of maintenance will be rehabilitated in line with this FFMP.

7.4 Risk Management and Control

Risks associated with the operation phase of the Wind Farm have been assessed using the Risk Management process described in Pacific Hydro's HSEQ MS. A detailed view of this assessment is contained in the Wind Farm's Environmental Impacts and Aspects Risk Register referenced in Appendix D.

7.5 Measurable Targets

Table 11 - FFMP Measurable Targets

Target	Measurement
No unapproved removal or disturbance of native flora and fauna	Pacific Hydro Incident Management System
No new or increase in weed infestations within the TWF EPL area. (Known weeds are identified in Appendix G - Weed Identification Table).	Quarterly Inspection Records
No access off Site roads and hardstands without Pacific Hydro approval	Pacific Hydro Incident Management System

8. Heritage Management Plan

8.1 Introduction

8.1.1 Background

This Heritage Management Plan (HMP) defines the mitigation measures required for the protection and preservation of artefacts and places associated with Aboriginal and European heritage value during Wind Farm operation.

This plan refers to the Construction Heritage Management Plan (CHMP) referenced in Appendix D. The procedures outlined in the CHMP must be followed in the event of road and cable maintenance outside of areas previously disturbed during Wind Farm construction.

Table 12 - HMP Relevant Conditions

Authority	Relevant Conditions
DPE	83, 83A, 84, 102A

8.1.2 Objectives

The objective of this plan is to provide practical measures to prevent or mitigate potential impacts to heritage during Wind Farm operation.

8.1.3 Applicable Guidelines

Guidelines, legislation and regulations that are applicable to this plan include:

- *NSW Heritage Act 1977*;
- *Environmental Planning and Assessment Act 1979 amended by the Environmental Planning and Assessment Amendment (Infrastructure and Other Planning Reform) 2005*;
- *National Parks and Wildlife Act 1974*;
- *Environmental Protection and Biodiversity Conservation Act 1999 amended by the Environment and Heritage Legislation Amendment Act (no. 1) 2003*; and
- *Australian Heritage Council Act 2003*.

8.2 Site Heritage Characteristics

Indigenous heritage surveys were carried out by OzArk in 2004 and 2007 and by NSW Archaeology Pty Ltd in 2013. There were five archaeological sites that are within close proximity of the final layout of all Wind Farm infrastructures. These sites are shown in the table below with the Aboriginal Heritage Information Management System (AHIMS) ID given where relevant. The sites are also marked as Sensitive Areas on the Site Plan in Appendix A.

Table 13 - Cultural Heritage Site Location

AHIMS ID	Site name	Easting ¹	Northing	Site Features	Recorders
51-3-0019	TWF 0S1	764368	6188870	2 quartz flakes	OzArk 2004
51-3-0020	TWF 0S2	764952	6191208	9 artefacts	OzArk 2004
51-3-0021	TWF 0S3	763504	6190702	14 artefacts	OzArk 2004
51-3-0022	TWF 0S4	763733	6190724	3 artefacts, plus PAD	OzArk 2004
-	TWF 0S7	765196	6186857	4 artefacts	NSW Archaeology

¹ Coordinate System: MGA94 Zone 55 (Note: some coordinates have been converted from the outdated system used in the CHMP)

AHIMS ID	Site name	Easting ¹	Northing	Site Features	Recorders
					2013

Although few artefacts were found at TWF OS4, there is a Potential Archaeological Deposit (PAD) stretching from this location to the watercourse at the end of Riparosso Road. Due to the potential impacts of the Wind Farm access road on this site, special management controls were implemented during construction to avoid stripping of the ground for at least 100 m on either side of the watercourse (see Site Plan in Appendix A).

Five other sites are listed in the CHMP, however, these sites are over one kilometre from Wind Farm infrastructure, and are therefore not relevant to operations.

Two ruins, including the remains of a stone cottage and a stone hearth, were identified in the cultural heritage survey. Both were considered to be of low significance, and the final Wind Farm layout was refined to avoid disturbing the ruins throughout the lifetime of the Wind Farm.

8.3 Potential Impacts

It is not expected that there would be any interaction with known cultural sites as part of the day to day operation of the Wind Farm. However, care is required to avoid any disturbance to the sites listed above and for any other area when undertaking road maintenance and excavation. Location details for all sensitive sites are given on the Site Plan in Appendix A.

The Site induction will include heritage information to facilitate awareness of heritage values associated with the Wind Farm and for all new breaking-ground activities the Environment and Development Manager will first be notified before any breaking-ground works commence.

8.4 Risk Management and Control

In the unexpected occurrence of discovery of a heritage item work will stop and advice will be sought from NSW Heritage Council and the procedures in the archived Construction Heritage Management Plan followed.

Risks associated with the operation phase of the Wind Farm have been assessed using the Risk Management process described in Pacific Hydro's HSEQ MS. A detailed view of this assessment is contained in the Wind Farm's Environmental Impacts and Aspects Risk Register referenced in Appendix D.

8.5 Measurable Targets

Table 14 - HMP Measureable Targets

Target	Measurement
No accidental damage to cultural heritage sites or artefacts	Pacific Hydro Incident Management System
No access to cultural heritage sites without Pacific Hydro approval	

9. Traffic Management Plan

9.1 Introduction

9.1.1 Background

This Traffic Management Plan (TMP) outlines the measures that will be used to ensure appropriate management of traffic during the operational phase of the Wind Farm. It is based on an assessment and previous version of the TMP prepared by Jacobs Group (Australia) Pty Limited and operational data collected in the first two years of operation. In the event that major repairs that require larger cranes and trucks to be brought onto site, a task specific Traffic Management Plan may be required.

Table 15 - Conditions Relevant to the TMP

Authority	Relevant Conditions
DPE	59, 62, 81, 82
EPA	L5.2

9.1.2 Objectives

The objectives of this plan are to:

- Describe predicted traffic volumes and access routes;
- Describe access points to the Wind Farm; and
- Identify traffic management measures to be implemented during operation of the Wind Farm.

9.1.3 Consultation

Consultation regarding the Wind Farm operational traffic was undertaken with the following authorities:

- Upper Lachlan Shire Council (ULSC);
- Goulburn Mulwaree Shire Council (GMSC); and
- Roads and Maritime Services (RMS).

No formal response was received from ULSC and the other two authorities were satisfied with the proposed measures.

9.1.4 Applicable Guidelines

Guidelines, legislation and regulations that are applicable to this plan include *Roads Act 1993 (Section 138)*.

9.2 Potential Impact

9.2.1 Traffic Volumes

The following vehicles are expected to be travelling to and from the Wind Farm during the operational phase:

Table 16 - Vehicles and Traffic Volume

Vehicle Type	Number of movements
Light vehicle	38 per week
Delivery truck (semi-trailer / tray back)	Two per month
Franna crane	One per year
Hydraulic boom crane	One per year (with two escort trucks)
Lattice boom crane	One per year (with 15-20 truck movements)

Vehicle Type	Number of movements
Garbage truck	One per quarter
Certified waste truck	One per quarter

9.2.2 Oversize / Over-mass Vehicles

In the event of major repairs requiring the replacement of a WTG blade, hub, tower or nacelle, it will be necessary for oversized / over-mass vehicles to access the Wind Farm and these vehicles will require a permit from RMS. More information and criteria for this permit can be found on the RMS website:

<http://www.rms.nsw.gov.au/business-industry/heavy-vehicles/road-access/restricted-access-vehicles/oversize-overmass.html>

Oversize / over-mass vehicles will be used on rare occasions and only for unscheduled maintenance of WTGs.

9.2.3 Site Access Times

Site personnel will require access to the Wind Farm 24 hours a day, seven days a week. However, vehicle movements will generally be limited to the following times:

- Service related vehicles:
 - Monday to Friday – 6.30 am to 6.00 pm;
 - Saturday – 7.30 am to 1.30 pm;
 - Seven days a week – out of hour's callouts as required.
- Delivery trucks: Monday to Friday – 7.00 am to 5.00 pm; and
- Cranes: Seven days a week – 7.00 am to 5.00 pm.

Oversize or over-mass vehicles may require access outside of the standard working hours where requested by NSW Police to minimise traffic impacts.

9.2.4 Public Road Usage

Light vehicles will typically come from both Taralga and Goulburn while delivery trucks will typically come from Goulburn. Local roads that will be used for access include Bannaby Road, Old Showground Road and Alders and Crees Road and are shown on the Site Plan in Appendix A.

All large construction vehicles associated with the development must utilise the transport routes identified in Figure 5.16 of the EIS or Figure 2 of the Modification 6 application and limit the use of engine braking. Both of these figures are reproduced in Appendix I. Note that there is no access to the Wind Farm from Hillcrest Road, directly to the south of the Wind Farm, as shown in Figure 5.16 (this access relates to a previous Wind Farm design).

All oversize heavy construction vehicles shall only use the route identified in Figure 2 of Modification 6 (Appendix I).

9.2.5 Wind Farm Access Points

Permanent access points for the Wind Farm are shown on the Site Plan in Appendix A and listed in the Table 17 - Wind Farm Access Points below.

Table 17 - Wind Farm Access Points

Entrance	Location
EP2	End of Old Showground Road
EP3	Bannaby Rd, 4.7 km from Taralga
EP4	Bannaby Rd, 5.4 km from Taralga

Entrance	Location
EP5	Bannaby Rd, 6.8 km from Taralga

9.3 Risk Management and Control

Risks associated with the operation phase of the Wind Farm have been assessed using the Risk Management process described in Pacific Hydro's HSEQ MS. A detailed view of this assessment is contained in the Wind Farm's Environmental Impacts and Aspects Risk Register referenced in Appendix D.

9.4 Measureable Targets

Table 18 - Traffic Measurable Targets

Target	Measurement
All traffic complaints and incidents investigated, as required	<i>Complaints Register</i> <i>Incident Register</i>

10. Waste Management Plan

10.1 Introduction

10.1.1 Background

This plan details management and control measures for the storage, handling and disposal of wastes generated during the operational phase of the Wind Farm.

Reference numbers for the Conditions of Consent that are relevant to waste management are shown below with full conditions available in Appendix B.

Table 19 - Relevant Conditions for the WMP

Authority	Relevant Conditions
DPE	113
EPA	L2.1, L2.2, O1.1

10.1.2 Applicable Legislation/Guidelines

Guidelines, legislation and regulations that are applicable to this plan include:

- *Waste Classification Guidelines Part 1: Classifying Waste* (NSW EPA, 2014) or any superseding guidelines; and
- *Local Governments Act 1993 (Section 68, Part C – Management of Waste)*.

10.1.3 Objectives

The objectives of this plan are to manage waste in the following hierarchal order:

- Avoid and reduce waste – highest priority encourages the reduction in the amount of virgin materials extracted and used;
- Reuse materials without further processing – avoids cost of energy required for recycling;
- Recycle all material that is recyclable – keeps materials in the productive economy;
- Recovery energy – feed the energy back into the economy;
- Treat waste – suitable for some chemical such as thermal treatment of soils; and
- Dispose of remaining waste – direct disposal is only suitable for some types of waste.

10.2 Waste Types

Types of waste generated during operation of the Wind Farm will include but may not be limited to those shown in the table below.

Table 20 - Waste Types Generated During Operation

Waste	Classification	Receptacle/storage
Food scraps and organic matter	General solid waste (putrescible)	General waste
Domestic waste	General solid waste (non-putrescible)	
Timber & general packaging		
Cable off cuts (Electrical Repairs)		
Metals (copper, aluminium, steel)	Recyclable	Metal recycling
Paper and Cardboard		General recycling
Plastics (PET)		

Waste	Classification	Receptacle/storage
Oils, solvents, fuels and other chemicals	Liquid waste	Hazardous material storage
Used containers	Hazardous waste	
Human Waste	Sewage	Septic system

10.3 Risk Management and Control

Risks associated with the operation phase of the Wind Farm have been assessed using the Risk Management process described in Pacific Hydro's HSEQ MS. A detailed view of this assessment is contained in the Wind Farm's Environmental Impacts and Aspects Risk Register referenced in Appendix D.

10.4 Measurable Targets

Table 21 - Waste Measurable Targets

Target	Measurement
Waste classified and managed in accordance with the relevant guidelines	Inspection Records and Certificates
All controlled waste handled and disposed of as per the MSDS for each material	Inspection Records
Any waste not correctly stored or managed on-site addressed promptly	Inspection Records
No complaints regarding waste from the local community	Complaints Register
No receipt and storage of waste from offsite	Complaints Register

11. Electromagnetic Interference Plan

11.1 Introduction

11.1.1 Background

This Electromagnetic Interference Plan (EIP) outlines the processes and control measures to mitigate impacts of operational activity that have the potential to give rise to electromagnetic interference.

Electromagnetic signals (or radio waves) are transmitted throughout the country as part of telecommunication systems by a wide range of operators. Such systems are used for radar, radio broadcast, television, mobile phones and mobile and fixed radio transmitters.

There is the potential for electromagnetic interference from any large structure, including WTGs, which occur within or close to a signal path. Signals can be interfered with or reflected by the rotating blades of a WTG, which could degrade the performance of the signal.

Reference numbers for the Conditions of Consent that are relevant to electromagnetic interference are shown below with full conditions available in Appendix B.

Table 22 - Relevant Conditions for the EIP

Authority	Relevant Condition
DPE	109, 110

11.1.2 Objectives

The objectives of this plan are to:

- Identify the potential impacts and risks of electromagnetic interference caused by operation of the Wind Farm; and
- Outline measures to effectively manage any electromagnetic interference caused.

11.2 Potential Impacts

11.2.1 Television Interference

Prior to construction of the Taralga Wind Farm, residents in the local area received a weak, fortuitous signal from the Knight's Hill transmitter, located 85km to the east-south-east of Taralga township in the Illawarra region. In the transition to digital television in 2012, the impact of this distance on the more precise Digital Video Broadcasting (DVB) signals (compared to analogue television technology) resulted in the Australian Government's 'mySwitch' predicted signal quality in the area being rated as Variable to None.

In some cases the operational WTG's may cause further scattering of these distant and weak broadcast signals for the area immediately west of the Project

A map of predicted television interference caused by the Wind Farm is shown in Figure 2.

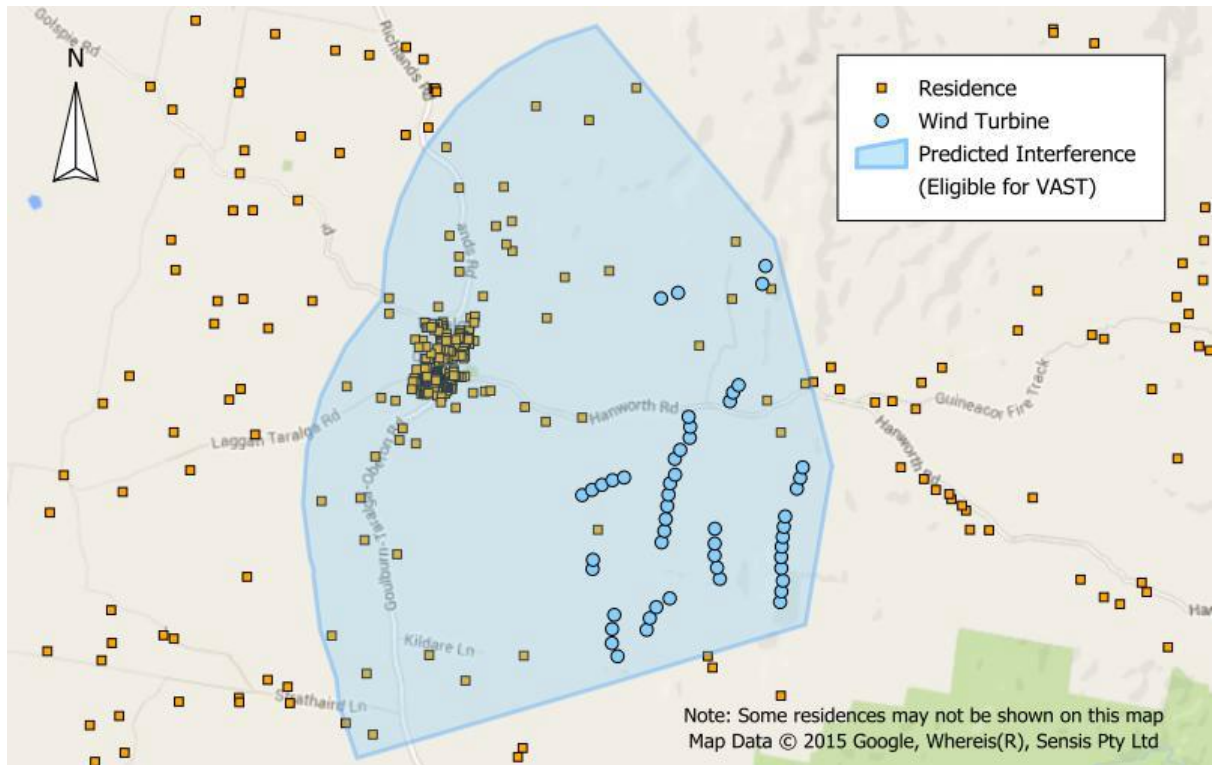


Figure 2 - Predicted Television Interference

11.2.2 Other Electromagnetic Interference

The Wind Farm has been designed to avoid interference with point to point radio communication links, with all WTGs placed outside of the Second Fresnel zone (or zone of electromagnetic interference) of any links. In addition, no WTGs are located within close proximity of a transmitting or communication tower, other than the television re-transmitter which is designed to avoid transmission towards the bulk of operating WTGs.

Mobile phone and mobile radio reception is mainly dependent on the position of the receiver. The receiver is able to move around both natural and unnatural obstacles in the landscape, including WTGs, to avoid interference.

11.3 Risk Management and Control

Risks associated with the operation phase of the Wind Farm have been assessed using the Risk Management process described in Pacific Hydro’s HSEQ MS. A detailed view of this assessment is contained in the Wind Farm’s Environmental Impacts and Aspects Risk Register referenced in Appendix D.

11.4 Measureable Targets

Table 23 - Measureable Targets for EIP

Target	Measurement	Evidence
TV re-transmitter annual maintenance performed as per schedule	Minimum 1 service inspection per Year	TV re-transmitter maintenance report
Investigation and resolution of television interference complaints	Investigation and resolution of complaints	<i>Complaints Register</i>
Resolution of television re-transmitter equipment failure or downtime	Respond to complaints within 24 hours of receipt of complaint	<i>Complaints Register</i>

Appendix A - Site Plans

Appendix B - Conditions of Consent

The following two tables list the NSW State Approval Conditions of Consent and Environment Protection Licence Conditions.

Public records of the full conditions are available at the following:

- NSW State Approval: <http://majorprojects.planning.nsw.gov.au/>
- EPL (Licence number 20429): <https://apps.epa.nsw.gov.au/prpoeoapp/>

NSW State Approval Conditions		
	Description	Reference
1	In accordance with In accordance with section 80(3) of the Environmental Planning and Assessment Act 1979, this development consent shall not operate until the Applicant has satisfied the Director- General that it has obtained approvals for the construction of a Transmission line and its connection to the electricity grid. For the purpose of this condition, approval means a consent or approval that has been obtained under the Act and/or any relevant determining authority has completed its assessment Obligations under Part 5 of the Act for the Transmission line.	Not applicable to OEMP
2	This consent permits the carrying out of the Development on the Project Site.	Not applicable to OEMP
3	<p>The Applicant must carry out the development generally in accordance with the following documents:</p> <p>(a) Development Application No. DA-241/04; lodged with Upper Lachlan Council on 10 November 2004;</p> <p>(b) Taralga Wind Farm Environmental Impact Statement (two volumes) prepared by Geolyse, dated November 2004;</p> <p>(c) Proposed Taralga Wind Farm: Response to Department Questions, RES Southern Cross, dated 28 January 2005, 4 February 2005, 28 February 2005, 11 March 2005;</p> <p>(d) Proposed Taralga Wind Farm: Response to RTA Questions, RES Southern Cross, dated 31 January 2005;</p> <p>(e) Proposed Taralga Wind Farm: Response to Questions from Department of Lands, RES Southern Cross, dated 25 January 2005;</p> <p>(f) Proposed Taralga Wind Farm: Response to DEC Questions, RES Southern Cross, dated 24 January 2005, 17 February 2005, 3 March 2005, 15 March 2005;</p> <p>(g) Proposed Taralga Wind Farm: Amendment to Development Application, RES Southern Cross, dated 1 March 2005;</p> <p>(h) Proposed Taralga Wind Farm: Additional Information on Amendment to Development Application, RES Southern Cross, dated 15 March 2005, 21 March 2005;</p> <p>(i) Modification Application lodged with the NSW Land and</p>	Section 1.4.1

NSW State Approval Conditions		
	Description	Reference
	<p>Environment Court on 30 November 2007 and accompanied by a report prepared by the Applicant titled Taralga Wind Farm Project: Application for Modification of Development Consent DA 241/04 granted by the NSW Land and Environment Court 23rd February 2007 pursuant to section 96(8) of the EP&A Act and dated 30 November 2007;</p> <p>(j) Taralga Wind Farm Project: Application for Modification of Development Consent DA 241/04 granted by the NSW Land and Environment Court 23rd February 2007 pursuant to section 96(8) of the EP&A Act, Supporting information for hazard lighting and noise assessment, RES Southern Cross, dated 13 March 2008;</p> <p>(k) Amended application filed by the Applicant in Court on 7 August 2008;</p> <p>(l) Taralga Wind Farm Modification Application dated 7 November 2012; and</p> <p>(m) Application for Modification of Development Consent DA241/04 granted on 24 February 2007 for TaralgaWind Farm pursuant to Section 75W of the Environmental Planning and Assessment Act dated 30 August 2013</p> <p>(n) Application for Modification of Development Consent DA241/04 granted on 24 February 2007 for Taralga Wind Farm pursuant to Section 75W of the Environmental Planning and Assessment Act (Mod 4) Meteorological Masts dated 30 August 2013;</p> <p>(o) Response to Submissions contained in letter dated 15 October 2013 for Modification 3 Application for Relocation of Construction Compound;</p> <p>(p) Response to Submissions contained in letter dated 21 October 2013 for Modification 4 Meteorological Masts;</p> <p>(q) Section 75W Application for Modification of Development Consent DA/241/04 Modification 6 – Transport Route through Goulburn dated February 2014 and accompanied by a report titled Taralga Wind Farm Stage 3 – Traffic and Noise Assessment of New Vehicle Route Through Goulburn dated March 2014;</p> <p>(r) Taralga Wind Farm: Response to Department’s Questions for Modification 6 from Proponent dated 14 May 2014; and</p> <p>(s) Taralga Wind Farm: Modification to Development Consent DA 241/04 pursuant to Section 75W of the Environmental Planning and Assessment Act 1979 (Modification 5) from Applicant dated February 2014;</p> <p>(t) Taralga Wind Farm Modification to Development Consent DA 241/04: Response to Office of Environment and Heritage questions dated 26 March 2014;</p> <p>(u) Taralga Wind Farm: Bannaby Road Intersection –</p>	

NSW State Approval Conditions		
	Description	Reference
	<p>Addendum to Modification 5 dated 10 October 2014;</p> <p>(v) The application to modify the development consent, dated 7 November 2014, and the documentation submitted to the Department in support of this application including the Environmental Assessment: Minor Modification 7 to Existing Wind Farm Consent (241/04) Prepared for Taralga Wind Farm dated November 2014, the report titled Taralga Wind Farm Modification to Condition 86 (Addendum to Modification 7) dated 30 October 2014, the report titled Taralga Wind Farm Further Addendum to Modification 7 DA 241/04 dated 10 December 2014, and the Taralga Wind Farm Response to OEH Mod 7 Queries – 10 February 2015;</p> <p>(w) Modification application DA241/04 MOD 8, and the documentation submitted to the Department in support of this application including the letter headed Taralga Wind Farm - Modification No. 8 from CWP Renewables Pty Limited dated 11 June 2015; and</p> <p>(x) in accordance with the conditions of this consent.</p> <p>In the event of an inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent prevail to the extent of any inconsistency.</p>	
4	<p>Following commencement of construction, if requested by the landowners of the land referred to in Schedule 2 of this consent the Applicant must, within six (6) months of receipt of a written request from the owner of that land, proceed to acquire the property in accordance with the acquisition procedure detailed under conditions 5 to 8 inclusive, of this consent. Any such request by a landowner to have their property acquired must be received by the Applicant within three (3) years of the commencement of Operation.</p> <p><i>Note: This condition does not prohibit the landowner for the land referred to in this condition from entering into a negotiated agreement with the Applicant with respect to visual and noise impacts associated with the development. Should an agreement be reached, the Applicant shall forward a copy of the agreement to the Secretary as soon as practicable.</i></p>	Managed outside OEMP
5	<p>Within three (3) months of receiving a written request from a landowner with acquisition rights (determined by condition 4) of this consent), the Applicant must make a binding written offer to the landowner based on:</p> <p>"(a) the current market value of the owner's interest in the property at the date of this written request, as if the property was unaffected by the development the subject of this consent, having regard to:</p> <p>(i) the existing use and permissible use of the land in</p>	Managed outside OEMP

NSW State Approval Conditions		
	Description	Reference
	<p>accordance with the applicable environmental planning instruments at the date of the written request to purchase the property; and</p> <p>(ii) presence of improvements on the property and/or any approved building or structure which has been physically commenced at the date of the landowner's written request, and is due to be completed subsequent to that date, but excluding any improvements that have resulted from the implementation of any conditions of this consent; "</p> <p>(b) the owner's reasonable compensation for disturbance allowance and, where relevant, relocation costs within the Upper Lachlan or Goulburn local government area, or within such other location as may be determined by the Secretary; and</p> <p>(c) the owner's reasonable costs for obtaining legal advice and expert witnesses for the purposes of determining the acquisition price of the land and the terms upon which it is to be acquired.</p>	
6	<p>In the event that the Applicant and the relevant land owner cannot agree (within six weeks of the binding written offer to the landowner) on the acquisition price referred to under condition 5 of this consent and/or the terms of the acquisition, then either party may refer the matter to the Secretary. Upon receiving this request, the Secretary shall request that the President of the NSW Division of the Australian Property Institute appoint a qualified, independent valuer, or Fellow of the Institute, to consider submissions from both parties, and determine a fair and reasonable acquisition price for the land, and/or terms upon which the land is to be acquired. Within 14 days of receiving the independent valuer's determination, the Applicant must make a written offer to purchase the land at a price not less than the independent valuer's determination. If the landowner refuses to accept the offer within 6 months of the date of the Applicant's offer, the Applicant's obligations to acquire the land shall cease, unless otherwise agreed by the Secretary.</p>	Managed outside OEMP
7	<p>The Applicant shall bear the costs of any valuation or survey assessment required by the independent valuer/Fellow of the Institute, all relevant costs associated with determination of the acquisition price incurred through the processes referred to under condition 5 and condition 6 of this consent.</p>	Not applicable to OEMP
8	<p>In the event the Applicant and the landowner agree that only part of the property that is subject to an acquisition request under condition 5 of this consent is to be acquired, the Applicant shall bear the reasonable costs associated with obtaining approval for any plan of subdivision and registration of the plan with</p>	Not applicable to OEMP

NSW State Approval Conditions		
	Description	Reference
	the Office of the Registrar-General.	
8A	Notwithstanding conditions 4 to 8, the owners of the Cushendall Vineyard property and the owners of Lots 145 and 147 DP 750046 may request at any time during the three years and up to six months after the expiry of the period specified in condition 4, landscaping treatment on their property in accordance with the provisions outlined in condition 32 of this consent. If this occurs, and the works are carried out, the Applicant is not required to consider any request for acquisition of the property (or part thereof). This condition only applies where development consent or a complying development certificate has been issued up to three (3) years from commencement of Operation of the development for any dwelling to be constructed on these properties.	Not applicable to OEMP
9	The Applicant must make all relevant documents, with the exception of any confidential information, required under this consent, as identified in Schedule 3 of this consent, publicly available following their approval by the Secretary or issuing by the relevant government authority as the case may be, including provision of all documents at the site for inspection by visitors.	Section 4.2
10	The Applicant must ensure that all necessary licences, permits and approvals are obtained and kept up-to-date as required throughout the life of the development. No condition of this consent removes the obligation for the Applicant to obtain, renew or comply with such licences, permits or approvals.	Section 2.3
11	The Applicant must: (a) Repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) Relocate, or pay the full costs associated with the relocating, any public infrastructure that needs to be relocated as a result of the development. <i>Note: The Applicant must ensure that all works are carried out in accordance with the Environmental Planning and Assessment Act 1979 and the Local Government Act 1998 (Approvals) Regulations and the Building Code of Australia.</i>	Noted
12	The Applicant must be responsible for environmental impacts resulting from the actions of all persons on site associated with the development, including contractors, subcontractors and visitors.	Section 3
13	The Applicant must submit a Pre-Construction Compliance Report to the Secretary at least two weeks prior to the commencement of construction (or within a time agreed to by the Secretary) certifying, to the satisfaction of the Secretary,	Not applicable to OEMP

NSW State Approval Conditions		
	Description	Reference
	<p>that it has complied with all conditions of this consent applicable prior to construction. The Pre-Construction Compliance Report must include:</p> <p>(a) details of how the conditions of consent required to be addressed prior to construction have been complied with;</p> <p>(b) details of when each relevant condition of consent was complied with, including submission dates of any required report and/or approval dates; and</p> <p>(c) details of any approvals or licences required to be issued by Relevant Government Agencies prior to the commencement of construction.</p>	
14	<p>The Applicant must submit a Pre-Operation Compliance Report to the Secretary at least two weeks prior to the commencement of Operation (or within a time agreed to by the Secretary) certifying, to the satisfaction of the Secretary, that it has complied with all conditions of this consent applicable prior to operation. The Pre- Operation Compliance Report must include:</p> <p>(a) details of how the conditions of consent required to be addressed prior to commencement of operation have been complied with;</p> <p>(b) details of when each relevant condition of consent was complied with, including submission dates of any required report and/or approval dates; and</p> <p>(c) details of any approvals or licences required to be issued by Relevant Government Agencies prior to the commencement of operation.</p>	Not applicable to OEMP
15	<p>The Applicant must provide the Secretary with a Construction Compliance Report. The Environmental Representative, required under condition 27, must certify the adequacy of the report before it is submitted to the Secretary. The Construction Compliance Report must address the first six months of construction and be submitted within six weeks of the end of that reporting period (or at any other time interval agreed to by the Secretary).</p> <p>The Construction Compliance Report must include information on:</p> <p>(a) compliance with the CEMP and the conditions of consent;</p> <p>(b) compliance with any approvals or licences issued by Relevant Government Agencies for Construction;</p> <p>(c) the implementation and effectiveness of environmental controls. The assessment of effectiveness should be based on a comparison of actual impacts against performance criteria identified in the EIS and CEMP;</p> <p>(d) a summary and analysis of environmental monitoring</p>	Not applicable to OEMP

NSW State Approval Conditions		
	Description	Reference
	<p>results;</p> <p>(e) the number and details of any complaints, including a summary of the main areas of complaint, action taken, response given and intended strategies to reduce recurring complaints;</p> <p>(f) details of any review and amendments to the CEMP resulting from construction during the reporting period; and</p> <p>(g) any other matter relating to compliance with the conditions of consent or as requested by the Secretary.</p> <p>The Construction Compliance Report must be made publicly available.</p>	
16	<p>The Secretary may require Update Report(s) on compliance with all, or any part, of the conditions of consent. Any such report must meet the requirements of and be to the satisfaction of the Secretary and be submitted within such period as the Secretary may require.</p>	Noted
17	<p>The Applicant must meet the requirements of the Secretary in respect of the implementation of any measure necessary to ensure compliance with the conditions of consent, and general consistency with the documents listed under condition 3 of this consent. The Secretary may direct that such a measure be implemented in response to the information contained within any report, plan, correspondence or other document submitted in accordance with the conditions of consent, within such time as the Secretary may require.</p>	Noted
18	<p>Prior to the commencement of construction associated with the development, the Applicant must erect at least one sign in a prominent position on the site, including in the vicinity of turbine 43.</p> <p>The sign(s) must indicate:</p> <p>(a) the name, address and telephone number of the Principal Certifying Authority;</p> <p>(b) the name of the person in charge of the construction site and telephone number at which the person may be contacted outside working hours; and</p> <p>(c) a statement that unauthorised entry to the construction site is prohibited.</p> <p>The sign(s) must be maintained for the duration of construction works, and must be removed as soon as practicable after the conclusion of the construction works.</p> <p><i>Note: Turbine 43 is located as identified in Attachment 1. The Applicant must ensure that all works are carried out in accordance with the Environmental Planning and Assessment Act 1979 (the Act) and the Local Government Act 1993</i></p>	Not applicable to OEMP

NSW State Approval Conditions		
	Description	Reference
	<i>(Approval) Regulations and the Building Code of Australia.</i>	
19	The Applicant must undertake all monitoring, including recording and reporting of monitoring results, as required under this consent and as may be specified in an Environment Protection Licence for the development.	Section 4.2
20	The results of any monitoring required under this consent must be recorded and maintained, as set out below. All records kept must be: (a) in a legible form, or in a form which can be readily reduced to a legible form; (b) kept for at least 4 years after the monitoring or event to which they relate took place; and produced in a legible form to any authorised officer of the DEC or the Department who asks to see them.	Section 4.1
21	The following records must be kept in respect of any samples required to be collected: (a) the date(s) on which the sample was taken; (b) the time(s) at which the sample was collected; (c) the location at which the sample was taken (including a description of the EPA identification point); and (d) the name of the person who collected the sample.	Not specific requirement
22	A Construction Environmental Impact Audit Report must be prepared and submitted to the Secretary within three months of construction completion, or at any other time interval agreed to by the Secretary. If requested, the Environmental Impact Audit Report- Construction must be provided to other Relevant Government Agencies. The Construction Environmental Impact Audit Report must: (a) identify the major environmental controls used during construction and assess their effectiveness; (b) summarise the main environmental management plans and processes implemented during construction and assess their effectiveness; (c) identify any innovations in construction methods used to improve environmental management; and (d) discuss the lessons learnt during construction, including recommendations for future wind farm developments.	Not applicable to OEMP
23	An Operation Environmental Impact Audit Report must be prepared and submitted to the Secretary within six (6) weeks after a 12 month period of Operation and then at any additional periods requested by the Secretary. If requested, the report must be provided to other Relevant Government	Section 4.12

NSW State Approval Conditions		
	Description	Reference
	<p>Agencies.</p> <p>The Operation Environmental Impact Audit Report must:</p> <p>(a) be certified by an independent person at the Applicant's expense. The certifier must be approved by the Secretary prior to the preparation of the audit report;</p> <p>(b) compare the operation impact predictions made in the EIS and documents identified in condition 3;</p> <p>(c) assess the effectiveness of implemented mitigation measures and safeguards;</p> <p>(d) assess compliance with the systems for operation maintenance and monitoring; and</p> <p>(e) discuss the results of consultation with the local community particularly any feedback or complaints and how any such complaints were addressed and resolved.</p> <p>The Secretary may, having considered the findings of the Report, require the Applicant to undertake works to address the findings or recommendations presented in the Report. The result of the audit report must also be used to update the OEMP where necessary. The need or otherwise to update the OEMP must be certified by the Environmental Representative, required under condition 27. The Applicant must notify the Secretary and Relevant Government Agencies of any updates to the OEMP and provide a copy on request.</p>	
24	Deleted	
25	<p>The Applicant must prepare and implement a Construction Environmental Management Plan (CEMP) in accordance with the Department's publication entitled Guideline for the Preparation of Environmental Management Plans (2004) or its latest revision. The Applicant must ensure that the mitigation and monitoring measures identified in the EIS and in these conditions of consent are incorporated into the CEMP. The CEMP must be prepared in consultation with the Relevant Government Agencies and certified by the Environmental Representative, required under condition as being in accordance with the conditions of consent.</p> <p>The CEMP must be submitted for the approval of the Secretary at least one month prior to the commencement of Construction, or within such a period otherwise agreed by the Secretary. Site preparation and construction associated with the development must not commence until written approval for the CEMP has been received from the Secretary. Upon receipt of the Secretary's approval, the Applicant must supply a copy of the CEMP to the OEH and Council as soon as practicable. The CEMP is to be made Publicly Available following its approval.</p>	Not applicable to OEMP

NSW State Approval Conditions		
	Description	Reference
26	<p>The Applicant must prepare and implement an Operational Environmental Management Plan (OEMP) in accordance with the Department's publication entitled Guideline for the Preparation of Environmental Management Plans (2004) or its latest revision. The Applicant must ensure that the mitigation and monitoring measures identified in the EIS and in these conditions of consent are incorporated into the OEMP.</p> <p>The OEMP must be prepared in consultation with the Relevant Government Agencies and certified by the Environmental Representative, required under condition 27, as being in accordance with the conditions of consent.</p> <p>The OEMP is to be submitted for the approval of the Secretary no later than one month prior to the commencement of operation, or within such period otherwise agreed to by the Secretary. Operation must not commence until written approval has been received from the Secretary. Upon receipt of the Secretary's approval, the Applicant must supply a copy of the OEMP to the OEH and Council as soon as practicable.</p> <p>The OEMP is to be made publicly available following its approval</p>	This Plan
27	<p>Prior to the commencement of Construction, and in consultation with Council, the Applicant must nominate a suitably qualified and experienced Environmental Representative(s) whose appointment requires the approval of the Secretary. The Applicant must employ the Environmental Representative(s) on a full-time basis, or as</p> <p>otherwise agreed by the Secretary throughout the life of the development. The proponent must make the identity of the approved Environmental Representative publicly available.</p> <p>The Environmental Representative must be:</p> <p>(a) the primary contact point in relation to the environmental performance of the development;</p> <p>(b) responsible for all management plans and monitoring programs required under this consent;</p> <p>(c) responsible for considering and advising on matters specified in the conditions of this consent, and all other licences and approvals related to the environmental performance and impacts of the development;</p> <p>(d) responsible for receiving and responding to complaints in accordance with this consent; and</p> <p>(e) given the authority and independence to require reasonable steps be taken to avoid or minimise unintended or adverse environmental impacts, and failing the effectiveness of such steps, to direct that relevant actions be ceased immediately should an adverse impact on the environment be</p>	Section 3.8

NSW State Approval Conditions		
	Description	Reference
	<p>likely to occur.</p> <p>The Applicant must obtain approval from the Secretary for any changes to the appointment of the Environmental Representative that may occur from time to time over the life of the development. Any changes to the appointment or responsibilities of the Environmental Representative approved by the Secretary are to be made publicly available.</p>	
28	<p>Prior to the commencement of construction of the development, the Applicant must ensure that the following are available for the community for the life of the development:</p> <p>(f) a telephone number on which complaints about operations associated with the development on the site may be registered;</p> <p>(g) a postal address to which written complaints may be sent; and</p> <p>(h) an email address to which electronic complaints may be transmitted.</p> <p>The telephone number, the postal address and the email address must be advertised in a newspaper circulating in the locality prior to the commencement of construction and at quarterly intervals thereafter until construction is completed. This information must also be published on the Applicants internet site, should one exist, and on a permanent notice board at an appropriately visible location in Taralga Village.</p>	Section 4.8
29	<p>The Applicant must keep a legible record of all complaints received in an up-to-date Complaints Register. The Register must record, but not necessarily be limited to:</p> <p>(a) the date and time, where relevant, of the complaint;</p> <p>(b) the means by which the complaint was made (e.g.. telephone, in person, mail or email);</p> <p>(c) any personal details of the complainant that were provided, or if no details were provided, a note to that effect;</p> <p>(d) the nature of the complaint;</p> <p>(e) any action(s) taken by the Applicant in relation to the complaint, including any follow-up contact with the complainant; and</p> <p>(f) if no action was taken by the Applicant in relation to the complaint, the reason(s) why no action was taken.</p> <p>The Complaints Register must be made available for inspection on request of the Secretary or an authorised officer of the EPA. The record of a complaint must be kept for at least seven years after the complaint was made. Subject to confidentiality, the information in sub-paragraphs (a), (d), (e) and (f) above is to be made publicly available.</p>	Section 4.8

NSW State Approval Conditions		
	Description	Reference
30	<p>A Community Information Plan (CIP) must be prepared prior to the commencement of Construction. The CIP must set out the community communications and consultation processes to be undertaken during the construction period of the development. The Plan must include but not be limited to:</p> <p>(a) procedures to inform the local community of planned investigations and construction activities, including planned construction activities outside standard construction hours;</p> <p>(b) procedures to inform the relevant community of construction traffic routes and any likely disruptions to traffic flows and amenity impacts;</p> <p>(c) procedures to consult with local landowners in regards to construction traffic to ensure safety of livestock and limited disruption to livestock movements;</p> <p>(d) procedures to inform and consult with impacted residences subject to the Off-Site Landscape Plan; and</p> <p>(e) procedures to notify</p> <p>(f) properties of the processes available to review potential impacts on television and radio transmission.</p> <p>(g) procedures to inform and consult with schools located along construction traffic transport routes to ensure safety of staff, children and other users, and to minimise disruptions caused by the likely impacts to traffic flows and audible noise. St Joseph's Primary School, Goulburn North Public School and other affected schools are to be consulted before the transport route is used for oversize heavy vehicles.</p> <p>The CIP must be made publicly available prior to commencement of construction.</p>	Not applicable to OEMP
30A	<p>The Applicant shall establish a community consultative committee for the life of the development, unless otherwise agreed by the Secretary. The Applicant shall ensure the committee is in operation within three months of the determination of modification 3 and 4, and operate, in a manner generally consistent with the requirements of Appendix C: Guidelines for wind farm consultative committees, as contained in the draft NSW Planning Guideline – Wind Farms (December 2011), as updated, unless otherwise directed by the Secretary.</p>	Section 4.9
31	<p>As part of the OEMP for the development, the Applicant must prepare, implement and maintain an On-site Landscape Plan. The On-Site Landscape Plan is to address the visual impacts of the development, including the turbines, site access roads, the substation, and the control and facilities building, as far as is reasonable and feasible.</p>	Section 5 - RSWQMP

NSW State Approval Conditions		
	Description	Reference
	<p>The On-Site Landscape Plan is to include but not be limited to:</p> <ul style="list-style-type: none"> (a) identification of locations for planting and landscaping; (b) identification of species to be planted; and (c) details of the maintenance program for on-site landscaping associated with the development. <p>The On-Site Landscape Plan is to be implemented within six months of commencement of Operation</p>	
32	<p>Prior to the commencement of Operation, the Applicant must notify in writing: all owners of existing or approved residential dwellings with views of a turbine(s) that is located within two (2) kilometres of their dwellings; the owners of the St Ives dwelling; the owners of the dwelling at "Melrose", Barrett's Rd, Taralga- Lot 2 DP No 828288; and the owners of the dwelling at 48 Barretts Road, Taralga that they are eligible to have landscaping treatment on their property in order to minimise the visual impact of the development on their property. Any such owner may request the Applicant, no later than six (6) months after commencement of Operation, to investigate such ways of minimising the visual impact of the development on their property.</p> <p>The Applicant must:</p> <ul style="list-style-type: none"> (a) within fourteen (14) days of receiving the request, commission a suitably qualified person whose appointment has been approved by the Secretary) to investigate reasonable and feasible measures to minimise the visual impacts of the development on the landowners' property using landscape measures; and (b) give the landowner a copy of the visual impact mitigation report within fourteen (14) days of receiving the report. <p>If both parties agree on the measures that should be implemented to minimise the visual impact of the development, then a copy of the agreed measures is to be forwarded to the Secretary for approval within one month of agreement being reached. If the Applicant and the landowner disagree on the landscape works, then either party may refer the matter to the Secretary for resolution. Following the Secretary's approval the Applicant must implement those measures with all landscaping being completed within three (3) months.</p>	Completed
33	<p>Prior to the commencement of Operation, the Applicant must consult with Council on the need to provide landscaping measures along public road reserves to minimise as far as is Reasonable and Feasible, the visual impact of the development on neighbouring residential dwellings and shadow flicker impacting on public roads and to report to the Secretary on the outcome of the consultation. The Applicant</p>	Completed

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	Description	Reference
	must then implement landscaping measures that are to the satisfaction of the Secretary with all landscaping permitted under this condition being completed within eighteen (18) months from the commencement of Operation of the development	
34	The wind turbines must be painted matt off-white/grey. The blades are to be finished with a surface treatment that minimises any potential for glare or reflection.	Noted
35	No advertising signs or logos are to be mounted on the turbines, except where required for safety purposes.	Noted
36	The Applicant must take all practicable means to ensure that all external lighting associated with the development during construction, with the exception of emergency lighting is mounted, screened and directed in such a manner so as not to create a nuisance to surrounding residential dwellings or roadways.	Noted
36A	No external lighting at night of any infrastructure associated with the operation of the project, including wind turbine generators, is permitted other than low intensity security lighting, with the exception of the substation and operations building, emergency lighting is permitted.	Noted
37	Shadow flicker from the development must not exceed 30 hours/annum at any residence not associated with the development. A shadow flicker assessment was conducted by Garrad Hassan Pacific Pty Ltd (dated 17/8/12). The assessment determined that the shadow flicker would not exceed 30 hours/annum at residences not associated with the project.	Not applicable.
38	As part of the CEMP for the development, the Applicant must prepare and implement a Construction Noise and Vibration Management Sub Plan. The Plan must include, but not be limited to: (a) details of construction activities, including timing, duration and predicted noise levels (including likely consistency with the Department of Environment and Climate Change NSW Interim Construction Noise Guidelines); (b) best management practices to minimise noise resulting from construction activities; (c) reasonable and feasible noise mitigation measures including consideration of the need for structural measures such as acoustic shielding; (d) compliance monitoring methods and program; (e) examination of construction traffic noise impacts to	Not applicable to OEMP

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	Description	Reference
	<p>dwellings situated close to local roads east of Taralga including reasonable and feasible methods of mitigating any adverse impacts;</p> <p>(f) community consultation and a community information program to inform residents when they are likely to be affected by construction noise. This must include consideration of traffic noise impacts. In particular, residences adjoining site access routes east of Taralga Road must be notified in writing at least two weeks in advance of concrete pour activities and the details of such activities;</p> <p>(g) community consultation and a community information program to inform schools when they are likely to be affected by construction noise. This must include consideration of traffic noise impacts. In particular, schools adjoining transport routes through Goulburn Mulwaree Council and Upper Lachlan Shire Council local government areas must be notified in writing at least one week in advance of scheduled oversize heavy vehicle movements along these routes;</p> <p>(h) a complaints handling and complaints monitoring program, including details of a contact person to follow up complaints; and</p> <p>(i) contingency measures to deal with incidents when noise complaints have been received, including feedback on appropriate noise amelioration processes put in place in response to complaints and the timeframe for the introduction of these measures. The feedback must be provided to the complainant.</p>	
39	<p>As part of the OEMP for the development, the Applicant must prepare and implement an Operation Noise and Vibration Management Sub Plan to outline measures to minimise noise emissions associated with the operation of the development.</p> <p>The Plan must address the requirements of the EPA, should there be any and must include, but not be limited to:</p> <p>(a) identification of all major sources of noise that may be emitted as a result of the operation of the development;</p> <p>(b) specification of the noise criteria as it applies to each of the relevant receiver locations specified in condition 42 having regard to the results of the monitoring program required under condition 41 and any revised noise prediction modelling;</p> <p>(c) identification and implementation of best practice management techniques for minimisation of noise emissions from the development;</p> <p>(d) procedures for the monitoring of noise emissions in accordance with the conditions of this consent; and</p> <p>(e) a description of the procedures to be undertaken if any</p>	Appendix D - Management Documents and Reference Material

NSW State Approval Conditions		
	Description	Reference
	non-compliance is detected.	
40	<p>Construction activities associated with the development, including heavy vehicles entering and exiting the site, may only be carried out between 7:00 am and 6:00 pm, Monday to Friday inclusive, and between 8:00am and 1:00pm on Saturdays. No work is to be carried out on Sundays and public holidays.</p> <p>The following activities may be carried out in association with construction outside of these hours:</p> <p>(a) any works that do not cause noise emissions to be audible at any nearby residences not located on the site;</p> <p>(b) the delivery of materials as requested by Police or other authorities for safety reasons; and</p> <p>(c) emergency work to avoid the loss of lives, property and/or to prevent environmental harm.</p> <p>Any work undertaken outside the specified construction hours, other than those specified in (a) to (c) of this condition, must not be undertaken without prior consent of the EPA.</p>	Not applicable to OEMP
41	<p>Prior to the commencement of construction, the Applicant must implement a monitoring program to determine the pre-existing background noise level (LAeq (10 minute) at each relevant receiver location specified in condition 42. The monitoring program is to be undertaken in accordance with the requirements of the SA Guidelines.</p> <p>A report prepared by a qualified acoustic consultant, who is to receive the prior approval of the Secretary, must be submitted to the Secretary and EPA and contain the results of the survey and analysis.</p>	Appendix D - Management Documents and Reference Material
42	<p>The Applicant must design, operate and maintain the development to ensure that for each non-associated residence, while they continue to be not associated with the development, the equivalent noise level LAeq (10 minute) from the development at each of these receiver locations does not exceed:</p> <p>(a) 35 dB(A); or</p> <p>(b) the pre-existing background noise level LAeq (10 minute) at each receiver location (as determined under condition 41), respectively, by more than 5 dB(A), whichever is the greater, for each integer wind speed (at 10m height) during operation of the development measured in accordance with the SA Guidelines.</p>	Appendix D - Management Documents and Reference Material
43	<p>The Applicant shall ensure that the noise generated by the operation of the substation does not exceed 35 dB(A) LAeq(15 minute) at any non-associated residence.</p>	Appendix D - Management Documents and Reference

NSW State Approval Conditions		
	Description	Reference
	Noise generated by the project is to be assessed in accordance with the relevant requirements of the NSW Industrial Noise Policy (as may be updated from time-to-time), as modified by the provision in Attachment 6. However, these criteria do not apply if the Applicant has an agreement with the owner/s of the relevant residence or land to generate higher noise levels, and has advised the Department in writing of the terms of this agreement.	Material
45	Noise from the development is to be measured at the most affected point within the residential boundary, or at the most affected point within 20 metres of the dwelling, where the dwelling is more than 20 metres from the boundary, to determine compliance with the noise level limits in condition 42.	Appendix D - Management Documents and Reference Material
46	All noise measurements taken for the purposes of this development consent must be undertaken using microphones fitted with a special purpose wind shield such that noise generated by wind on the wind shield is, to the extent practicable, at least 10 dB(A) below the noise being measured and which does not influence the noise level being measured.	Appendix D - Management Documents and Reference Material
47	The noise limits specified in conditions 42 do not apply to on-site residences H2, H3, H4, H6, H8, H9, H10, H11 and any additional residences whilst agreements are in place between the Applicant and the respective owners of the residences. For this condition to take effect for additional residences, the agreements must satisfy the requirements of Section 2.3 of the SA guidelines.	Appendix D - Management Documents and Reference Material
48	The presence of excessive tonality shall be measured using the methodology in ISO 1996.2: 2007 Acoustics — Description, measurement and assessment of environmental noise – Determination of environmental noise levels, and in accordance with the procedures described in Attachment 6 of this consent.	Appendix D - Management Documents and Reference Material
48A	Low frequency noise shall be managed in accordance with the procedures described in Attachment 6 of this consent.	
49	At the relevant receiver locations of H1, H5, H7, H12 and 'The Farm', while they continue to be not associated with the development, the Applicant must, at the owner's request, provide Reasonable and Feasible ameliorative measures such that the acoustic suppression of the facade would increase the noise mitigation of the facade of that dwelling by 5dB(A), beyond that existing at the date of the owner's request, to a maximum facade suppression effect of 15dB(A). Any such request from an owner must be made to the Applicant no later than two (2) years after commencement of operation.	Appendix D - Management Documents and Reference Material

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	Description	Reference
	If the Applicant and the landowner disagree on the ameliorative measures, then either party may refer the matter to the Secretary for resolution, in which case, the Applicant must carry out such ameliorative measures required by the Secretary.	
51	<p>Within six months of operation, the Applicant must engage an independent acoustic consultant(s), who is to receive the prior approval of the Secretary, and to undertake a program of noise monitoring to test the noise emission performance of the development at the locations identified in condition 42 at times without notice to the Applicant (but only where the consent of the landowner has been provided to undertake the program).</p> <p>The program must include, but not necessarily be limited to:</p> <p>(a) noise monitoring and assessment generally in accordance with procedures outlined in the SA Guidelines;</p> <p>(b) assessment of the noise performance of the development against the noise limits specified in conditions 42 and where relevant, condition 43;</p> <p>(c) details of any complaints received during monitoring and assessment in relation to noise generated by the proposal; and</p> <p>(d) recommendations and a timetable for implementation for any Reasonable and Feasible additional measures necessary to ensure compliance with the relevant noise-related conditions of this consent.</p>	<p>Section 6</p> <p>Appendix D - Management Documents and Reference Material</p>
52	<p>Within 28 days of undertaking the noise compliance programs referred to under condition 51 of this consent, the Applicant shall provide the Secretary, each landowner on which the program was carried out and make publicly available a report prepared by the acoustic consultant(s) on the results of the program. If the noise monitoring report identifies any non-compliance with the noise limits specified under this consent, the Applicant shall detail what additional mitigation measures would be implemented to ensure compliance, clearly indicating who would implement these measures, when these measures would be implemented, and how the effectiveness of these measures would be measured and reported to the Secretary.</p> <p>Additional mitigation measures shall include, in the first instance, all Reasonable and Feasible source control measures to reduce noise emissions from the development (such as sector management). Once all Reasonable and Feasible source controls are exhausted, mitigation measures may include offering building acoustic treatments and/ or noise screening to affected residents, but may only be used to address noise limit exceedances at the absolute discretion of the relevant landowner. The Applicant shall also demonstrate that the relevant landowner has been made fully aware of the</p>	<p>Section 6</p> <p>Appendix D - Management Documents and Reference Material</p>

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	Description	Reference
	noise levels and other implications of making any agreement	
53	<p>Following consideration of the outcomes of the noise compliance program referred to under condition 51 of this consent, the Secretary may require the Applicant to implement additional noise mitigation, monitoring or management measures to address noise associated with the development. The Secretary may require any or all of the measures proposed by the Applicant in the noise compliance report(s), or other measures considered appropriate by the Secretary to be implemented having regard to the SA Guidelines (2003). The Applicant shall implement the measures required by the Secretary within such period as the Secretary may specify.</p>	<p>Section 6 Appendix D - Management Documents and Reference Materialwq</p>
53A	<p>In the event of:</p> <p>(a) any complaint from any resident at a relevant receiver about noise of operating turbines being received which the Secretary considers, after investigation, to be a valid complaint, or</p> <p>(b) after any alteration to the noise operating strategy of the development, the noise compliance testing procedure in condition 51 is to be repeated for any relevant receiver.</p>	<p>Section 6 Appendix D - Management Documents and Reference Material</p>
54	<p>Where reasonable and feasible, physical noise mitigation measures are to be provided by the Applicant for no more than one new dwelling, built on any vacant parcel of land legally existing at the date of this consent (not part of an associated landholding), and upon which a residential dwelling would be permissible at the same date. Noise mitigation is to be provided if the noise levels from the development at the approved location of the new residential dwelling would, without mitigation, exceed the noise limits recommended in the SA Guidelines. The mitigation measures are to achieve a noise level of LAeq 30dB (A) inside the habitable rooms of such a dwelling.</p> <p>This condition only applies to new dwellings for which a development application is lodged with the Council within five (5) years of the date of commencement of commissioning and where a copy of the development application is provided to RES Southern Cross (or any successor in title to RES Southern Cross during such five year period) within 28 days of its lodgement with the Council.</p>	Noted.
55	<p>The overpressure level from blasting operations associated with the development must not:</p> <p>(a) exceed 115 dB(LinPeak) for more than five per cent of the total number of blasts over the period of any relevant EPA licence; and</p> <p>(b) exceed 120 dB (LinPeak) at any time.</p> <p>The above values apply when the measurements are</p>	Blasting is not required for operations

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	Description	Reference
	<p>performed with equipment of a lower cut-off frequency of 2 Hz or less. If the instrumentation has a higher cut-off frequency, then a correction of 5 dB should be added to the measured value.</p> <p>Equipment with a lower cut-off frequency exceeding 10 Hz should not be used for the purpose of measuring overpressure.</p>	
56	<p>Ground vibration (peak vector sum) from the blasting operations associated with the development must not:</p> <p>(a) exceed 5mm/s for more than five percent of the total number of blasts during construction; and</p> <p>(b) exceed 10 mm/s at any time when measured at any point within 1 metre of any affected residential boundary or any other noise sensitive location such as a school or hospital.</p>	Blasting is not required for operations
57	<p>Blasting operations associated with the development may only take place:</p> <p>(a) between 9.00am and 5.00pm Monday to Friday;</p> <p>(b) between 9.00am to 12.00pm Saturday; and</p> <p>(c) at such other times or frequency as may be approved by the EPA.</p>	Blasting is not required for operations
58	<p>As part of the CEMP, a Construction Traffic Management Plan must be prepared in consultation with Upper Lachlan Council, Goulburn Mulwaree Council, the RMS and NSW Police, to manage traffic related issues associated with the development during Construction. The Plan must identify:</p> <p>(a) designated transport routes for heavy vehicles to the site associated with the development;</p> <p>(b) heavy vehicle movements at the junction of Lagoon Street (MR676) and Union Street (MR256), including demonstration that junction accommodates turning movements in accordance with AUSTRROADS standards</p> <p>(c) details of procedures to minimise traffic disruption;</p> <p>(d) procedures to minimise disturbance from traffic noise, particularly during night periods;</p> <p>(e) procedures to manage construction traffic to ensure the safety of:</p> <p>(i) livestock and limit disruption to livestock movement;</p> <p>(ii) school children and limit disruption to school bus timetables;</p> <p>(f) a community information program to inform the community of traffic disruptions resulting from the construction program; and</p> <p>(g) a community information program to inform all schools along the transport routes of traffic disruptions resulting from</p>	Not applicable to OEMP

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	Description	Reference
	<p>the construction program;</p> <p>(h) Traffic Control Plans to be produced as part of the Construction Traffic Management Plan process and these are to be approved by Goulburn Mulwaree Council and Upper Lachlan Shire Council for all roads within the Councils' Local Government Area;</p> <p>(i) A code of practice for heavy vehicle drivers to be implemented, including a speed limit of 80km/h on all local rural roads; and</p> <p>(j) details of complaints management procedures for traffic impacts.</p>	
59	<p>Should any vehicle accessing the site during Construction or Operation of the development exceed the road limit for length or mass on any road, the applicant must apply for Specific Oversized/Over Mass Permit from the RMS and must abide by any conditions listed within the permit. The Applicant must arrange, at its expense, a police escort for any vehicles with a width that exceed 5.9 metres and or a length that exceeds 39.9 metres to the requirements of the Goulburn Local Area Command Police.</p>	Section 9 - TMP
60	<p>No advertising signs or structures within Taralga Road (MR256) road reserve are to be erected.</p>	Noted
61	<p>A Section 138 Approval from Upper Lachlan Shire Council or Goulburn Mulwaree Council with RMS concurrence within the Classified Road Reserve must be obtained.</p>	Noted
62	<p>All large construction vehicles associated with the development must utilise the transport routes identified in figure 5.16 of the EIS or Figure 2 of the Section 75W Application for Modification of Development Consent DA/241/04, Modification Request for the Taralga Wind Farm submitted by Taralga Wind Farm Pty Ltd dated February 2014. All oversize heavy construction vehicles shall only use the route identified in Figure 2 of that Modification Request.</p>	<p>Section 9 - TMP</p> <p>Appendix I - Traffic Route Maps</p>
63	<p>The Applicant must apply for a Road Occupancy Licence (ROL) from the RMS Traffic Operations Unit (TOU) before commencing work within the classified road reserve. Should the Traffic Management Plan, identified in condition 58, require a reduction of the speed limit, a Direction to Restrict must be obtained from the TOU at least two weeks prior to using the road reserve.</p>	Noted
64	<p>Prior to the commencement of Construction, the Applicant must undertake a 'before' road dilapidation report utilising the ARRB (Australian Road Research Board Limited) 'laser car', to assess the existing condition of Garroorigang Road, Sloane Street, Grafton Street, Reynolds Street, Taralga Road (MR256), Bannaby Road and Old Showground Road. The</p>	Not applicable to OEMP

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	Description	Reference
	report is required for the respective lengths of road that are to be utilised for heavy vehicle access. It must be undertaken in consultation with Upper Lachlan Council's and Goulburn Mulwaree Council's Director of Works as applicable.	
65	Within 3 months of the completion of construction, unless the Secretary directs otherwise, an 'after' road dilapidation report utilising the ARRB 'laser car' and road video images (i.e. RMS "gypsy" cam car) must be prepared in consultation with Upper Lachlan Council and Goulburn Mulwaree Council, as applicable, to determine the works required by the Applicant to restore the road to at least its pre-development condition.	Noted. This is a condition of the EPC. Completed
66	The Applicant must restore the roads to a standard not less than recorded in the initial dilapidation report, unless the damage can be reasonably attributed to influences other than the development. The Applicant must restore the road to at least its pre-development condition, to the satisfaction of Council within three (3) months of the commencement of operation, unless otherwise agreed by Upper Lachlan Council and Goulburn Mulwaree Council, as applicable. All surface and other visible defects shall be repaired to the appropriate AUSPEC standards and to the satisfaction of the Director of Works, or equivalent, of Goulburn Mulwaree Council and Upper Lachlan Shire Council at the completion of works. Weekly inspections are to be undertaken by the Applicant and repairs made within seven days of issues being identified.	Noted. This is a condition of the EPC. Completed
67	In the event that the turning movements of heavy vehicles at the junction of Lagoon Street (MR676) and Union Street (MR256) cannot be achieved, the Applicant must upgrade the junction in accordance with the RMS Road Design Guide.	Noted
68	Prior to the commencement of any transport to the site associated with the development from Taralga Road involving heavy vehicles, the Applicant must construct site access points along Taralga Road to a minimum 'BAL', 'BAR' treatment, to the satisfaction of Council and RMS. Detailed drawings of the access points along Taralga Road must be approved by the RMS prior to the commencement of these works.	Noted
69	Prior to heavy vehicle movements to and from the site associated with the development, the Applicant must complete the following works along the designated route, to the satisfaction of Council: (l) a condition survey of all bridges and drainage structures along the proposed access roads for construction heavy vehicles by a competent and qualified person, to determine the adequacy of the bridges and drainage structures to withstand the proposed loads;	Noted

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	Description	Reference
	<p>(m) implement a program of works as necessary to reinforce and strengthen bridges and drainage structures identified in (a) above to permit heavy vehicles to pass without causing damage;</p> <p>(n) construction of site access points and turning bay along the Bannaby Road with a minimum of 180m stopping sight distance for approaching traffic;</p> <p>(o) construction of site access points and turning bay along the Alders and Crees Road with a minimum of 160m stopping sight distance for approaching traffic;</p> <p>(p) road improvements and realignment of roads as identified by Council to permit the safe passage of over length and overweight vehicles;</p> <p>(q) strengthening of a major twin cell culvert at Bannaby Road (chainage 0.87km) by additional temporary supports for the duration of the construction period, if this culvert is identified to be on the route used by Construction vehicles.</p>	
70	All roadwork is to be designed and constructed to Upper Lachlan Council's version of AUS-SPEC Design and Construction specification or alternative specifications that meet the minimum requirements of AUS-SPEC. Detailed drawings of the access points along Bannaby Road must be approved by the Council prior to the commencement of these road works.	Noted
71	Prior to the commencement of Construction, site road work design and specifications shall be completed and certified by an appropriately qualified person that all roads within the site associated with the development are of an acceptable standard for traffic generating requirements of the development.	Not applicable to OEMP
72	During Construction, designated gravel access roads shall be maintained in a safe and satisfactory condition at all times by the provision of regular maintenance and grading. The maintenance can be undertaken by the Applicant as a work in kind and/ or by Council at agreed rates.	Not applicable to OEMP
73	During Construction, designated bitumen road access shall be maintained in a safe and satisfactory condition. Should any of the roads fail due to construction traffic, immediate maintenance must be undertaken by the Applicant as work in kind and/or by Council at agreed rates to maintain the road in a safe trafficable condition.	Not applicable to OEMP
74	Should Construction materials, such as road-base, be sourced locally, the access route must be jointly inspected with Council's officers to determine the suitability of the route and the extent of improvement works required prior to	Not applicable to OEMP

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	Description	Reference
	Construction. Should the route be approved for use, maintenance of the route during Construction shall be undertaken in accordance with conditions 72 and 73.	
75	The Applicant must indemnify and keep indemnified the Crown and the Minister for Lands against all claims arising out of the use and occupation of the Crown Public Roads in relation to works associated with this development.	Noted
76	No works must be undertaken on any Crown roads until any necessary authorities, easements, licences or approvals, as required by the Department of Lands, have been obtained.	Noted
77	In the event of a transfer of ownership, the terms and conditions imposed by approval from the Department of Lands shall also apply to future owners of the development. Following a change of ownership, any existing tenures will be terminated and new tenures granted. The Department of Lands reserves the right to vary the terms and conditions of a new tenure or any authority or consent previously granted.	Noted
78	Public access along Crown roads must not be denied, impeded or obstructed when the development is completed. Alternative access is to be provided, if required, during the construction period.	Noted
79	The Applicant and any subsequent owner of the development must be responsible for the maintenance and rehabilitation of Crown roads used for access, construction and installation of works throughout the term of the occupancy.	Noted
80	Upon decommissioning of the project, or parts thereof, all structures and works on Crown roads must be removed to the satisfaction of the Department of Lands. A maintenance period of two years shall apply for the rehabilitation work after the works have been removed and the site associated with the development rehabilitated.	Not applicable to OEMP
81	Prior to commencement of Operation, all works relating to permanent vehicle access to the site associated with the development must be completed. In the case of Bannaby Road, permanent access must be completed to the satisfaction of Council and comply with the following requirements: (a) access points must have an adequate sight stopping distance (180 metres minimum) available in both directions; (b) any gate must be located so that there is sufficient distance for a vehicle (rigid truck) to stand clear of the road; and (c) the access shall be sealed for a minimum distance of 50 m measured from the edge of Bannaby Road pavement.	Not applicable to OEMP

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	Description	Reference
82	The Applicant must, in consultation with the RMS and Council, identify any road safety changes along the Taralga Road, Bannaby Road, Old Showground Road, Alders and Crees Road that may have arisen during the first 12 months of Operation. Road safety changes must include, but not be limited to, any significant change in motor vehicle accident rates since the previous survey was undertaken. The Applicant must implement any reasonable and feasible mitigation measures as required by Council and the RMS, to address the road safety impacts that could be attributed to the development.	Section 9 - TMP
83	In the event that an Aboriginal object (as described in the National Parks and Wildlife Act, 1974) or a relic is uncovered during the Construction, all work in the vicinity of the object must cease and the Applicant must contact the OEH as soon as practicable. The Applicant must meet the requirements of the OEH with respect to the treatment, management, and/or preservation of any such object	Section 8 - HMP
83A	<p>The Applicant is to ensure that all construction plans and associated maps are updated with accurate locations of Aboriginal heritage sites north of Bannaby Road prior to commencement of construction of Stage 4 works in consultation with OEH and to the satisfaction of the Secretary. Specifically, as outlined in the letter to the Department from OEH dated 9 September 2014, these sites include, but are not necessarily limited to:</p> <ul style="list-style-type: none"> • TWF OS1; • TWF OS2; • TWFO3; • TWF OS4; and • PAD. <p>The Applicant is to ensure that all recorded Aboriginal sites within or close to the development are also identified on construction and management plans prior to commencement of construction of Stage 4 works and incorporated into the Construction Environmental Management Plan and associated sub-plans.</p> <p>The Applicant must ensure, prior to the commencement of construction of any Stage 4 works, that all Aboriginal sites within the development have protective fencing installed in consultation with a qualified archaeologist and in accordance with the Construction Environmental Management Plan and associated sub-plans. The archaeologist is to ensure that the boundaries of each site are accurate and provide sufficient buffering and protection.</p>	Not applicable to OEMP

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	Description	Reference
	The requirements of this condition do not remove or in any way reduce the obligation of the Applicant to meet the requirements prescribed in condition 83.	
84	In the event that a non-indigenous heritage item is uncovered during Construction, all work in the vicinity of the object must cease and the Applicant must contact the NSW Heritage Council to determine an appropriate course of action prior to the recommencement of work in the vicinity of the item.	Section 8 - HMP
85	<p>A Construction Flora and Fauna Management Sub Plan must be prepared as part of the CEMP. The Sub Plan must be prepared in consultation with the Department and must include but not be limited to:</p> <p>(a) detailed plans identifying:</p> <p>(i) terrestrial vegetation communities; important flora and fauna habitat areas; habitat trees, locations where threatened species, populations or ecological communities were recorded; and areas to be cleared. The plans must also identify vegetation adjoining the development where this contains important habitat areas and/or threatened species, populations or ecological communities; (b) methods to manage impacts on flora and fauna species (terrestrial and aquatic) and their habitat which may be directly or indirectly affected by the development. These must include:</p> <p>(i) procedures for vegetation clearing, soil management and managing other habitat damage</p> <p>(terrestrial and aquatic) during construction;</p> <p>(ii) methods to protect vegetation both retained within, and also adjoining, the development from</p> <p>damage during construction;</p> <p>(iii) methods to protect rocky outcrops and other potential reptile habitat both retained within, and</p> <p>also adjoining turbines and ancillary development from damage during construction;</p> <p>(iv) a habitat tree management program including fauna recovery procedures and habitat</p> <p>maintenance (e.g. relocating hollows or installing nesting boxes); and</p> <p>(v) performance criteria against which to measure the success of the methods; (c) details of how structures associated with the development will be designed to reduce the risk of bird and bat strike;</p> <p>(d) rehabilitation details including:</p> <p>(i) identification of locally native species to be used in</p>	Not applicable to OEMP

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	Description	Reference
	<p>rehabilitation and landscaping works, including</p> <p>flora species suitable as a food resource for threatened fauna species;</p> <p>(ii) the source of all seed or tube stock to be used in rehabilitation and landscaping works including the identification of seed sources within the site. Seed of locally native species should be collected before construction commences; and</p> <p>(iii) methods to re-use topsoil (and where relevant, subsoils), surface rocks and cleared vegetation;</p> <p>(e) a Weed Management Strategy including:</p> <p>(i) identification of weeds within the site and adjoining areas;</p> <p>(ii) weed eradication methods and protocols for the use of herbicides; and</p> <p>(iii) strategies to control the spread of weeds during construction, including ensuring that machinery brought on site is weed and pathogen free;</p> <p>(f) a program for reporting on the effectiveness of terrestrial and aquatic flora and fauna management measures against the identified performance criteria. Management methods must be reviewed and revised where found to be ineffective; and</p> <p>(g) a program to ensure that all staff and contractors associated with the development are aware of the location of all protected areas.</p>	
86	<p>The applicant must design, construct, operate and maintain the development in a manner that avoids damage to and loss of suitable habitat for Natural Temperate Grassland and the orchid <i>Diurus aequalis</i>.</p> <p>To ensure compliance with this condition, the applicant must engage a suitably qualified person(s) who is to receive the prior approval of the Secretary, to undertake a detailed botanical survey, prior to the commencement of construction, of:</p> <ul style="list-style-type: none"> • turbine rows 4, 5, 6, 7 and 10; and • all access roads requiring construction or upgrading during the appropriate season (that is, November to December). <p>Where Natural Temperate Grassland or <i>Diurus aequalis</i> is found to occur, either on or adjacent to these locations, the area must be fenced during construction and that component of the development (including construction components) must be relocated at least 50 metres from the grassland or orchid population but no more than 250 metres from the original location of that component.</p> <p>A report detailing the results of this survey, including details of</p>	Section 6 - FFMP

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	Description	Reference
	<p>any proposed relocation of infrastructure associated with the development is to be submitted to the Secretary within one month of completion of completion of the survey. Construction must not commence until the Secretary has confirmed the results of the survey and approved the position of any relocated infrastructure (inclusive of any construction on related components).</p> <p>Notwithstanding the above, the Applicant is permitted to construct infrastructure associated with Modification 5, as identified in condition 3 (s), (t) and (u), within 50 metres of the Natural Temperate Grassland community located near the intersection of Bannaby Road, and Alders and Crees Road as shown in technical drawing TAR-E-5200-12 as submitted in correspondence to the Department from the Applicant dated 15 May 2014. All impacts associated with the construction of this infrastructure must be offset in a biodiversity offset package to be prepared in consultation with OEH and to be approved by the Secretary prior to the commissioning of any turbine within the development unless otherwise agreed by the Secretary. This offset package is to be generally consistent with the Taralga Wind Farm Biodiversity Offset Package (Final Draft) prepared by GHD Pty Ltd, as submitted to OEH and the Department and dated August 2014.</p> <p><i>Note: The Natural Temperate Grassland of the Southern Tablelands of NSW and the Australian Capital Territory Endangered Ecological Community "Natural temperate Grassland" is defined under the Commonwealth Environmental Protection and Biodiversity Conservation Act, 1999. The location of the turbine rows and the access tracks is as described in the EIS.</i></p> <p>Where any component of the development is proposed to be relocated greater than 250 metres from its original position on the grant of consent, modification of the consent or further consent under the Act will be required.</p> <p>The Applicant is permitted to:</p> <p>(a) Install the underground cabling shown in green on the Figure in Attachment 2;</p> <p>(b) carry out the road upgrades and underground electrical cable works to Riparosso Road in the figure Attachment 3 without having to comply with the requirements of condition 86.</p> <p>Following the installation of the underground cabling, the Applicant is required to rehabilitate the site to an equivalent standard to the adjoining land.</p>	
86A	The Applicant must design, construct, operate and maintain the development in a manner that either avoids damage to and/or loss of the Tablelands Basalt Forest Endangered	Section 6 - FFMP

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	Description	Reference
	<p>Ecological Community or provides suitable compensation for its loss.</p> <p>To ensure compliance with this condition, the Applicant must engage a suitably qualified person(s) who must receive prior approval of the Secretary, to undertake a detailed survey of:</p> <ul style="list-style-type: none"> · all turbine rows other than row 8; · all access roads required during construction or upgrading; and · all overhead transmission lines <p>to determine the presence of this community so as to enable the Applicant, in consultation with the OEH and the Department, to:</p> <p>(a) relocate that component of the development (including construction components) at least 50 metres from important stands of this community, but no more than 250 metres from the original location of that component; or</p> <p>(b) provide suitable compensation for the loss of the community where the Applicant is unable to avoid damage to and/or loss of the community.</p> <p>Construction of the relevant component(s) of the development must not commence until the Secretary has confirmed the results of the survey and approved the position of any relocated development component.</p> <p>Compensation works, including offsets, must be designed and implemented in consultation with OEH and must also be approved by the Secretary prior to the commissioning of any turbine within the development unless otherwise agreed by the Secretary. Compensation works relating to this condition are to be generally consistent with the Taralga Wind Farm Biodiversity Offset Package (Final Draft) prepared by GHD Pty Ltd as submitted to OEH and the Department and dated August 2014.</p>	
87	<p>The applicant must design, construct, operate and maintain the development in a manner that avoids damage to and/ or loss of suitable habitat for the Striped Legless Lizard and the Grassland Earless Dragon. To ensure compliance with this condition, the Applicant must engage a suitably qualified person(s) that is to receive the prior approval of the Secretary, to undertake a detailed survey of the site to determine the presence of such suitable habitat, so as to enable the Applicant, in consultation with the OEH and the Department, to locate infrastructure (including turbines, underground cables and power poles) and other elements associated with the development (such as access tracks and construction lay-down areas) at least 50 metres from these areas, but no more than 250 metres from the original location of the infrastructure or element.</p> <p>Notwithstanding the above, the Applicant is permitted to construct infrastructure associated with Modification 5, as identified in condition 3 (s), (t) and (u), within 50 metres of any</p>	Section 6 - FFMP

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	Description	Reference
	<p>suitable habitat associated with the Natural Temperate Grassland community located near the intersection of Bannaby Road, and Alders and Creebs Road as shown in technical drawing TAR-E-5200-12 as submitted in correspondence to the Department from the Applicant dated 15 May 2014. All impacts associated with the construction of this infrastructure must be offset in a biodiversity offset package to be prepared in consultation with OEH and to be approved by the Secretary prior to the commissioning of any turbine within the development unless otherwise agreed by the Secretary. This offset package is to be generally consistent with the Taralga Wind Farm Biodiversity Offset Package (Final Draft) prepared by GHD Pty Ltd, as submitted to OEH and the Department and dated August 2014.</p> <p><i>Note: Where any component of the development is proposed to be relocated greater than 250 metres from its original position on the on the grant of consent, modification of the consent or further consent under the Act will be required."</i></p>	
88	<p>Notwithstanding condition 87, where the Applicant is unable to avoid damage to and/ or loss of such suitable habitat in respect of the Striped Legless Lizard, the applicant may seek the approval of the Secretary to damage and/ or destroy this habitat however, this loss must be suitably compensated. Any such compensatory works are to be implemented, in consultation with and to the satisfaction of the Department and the OEH.</p>	Section 6 - FFMP
89	<p>Prior to the commencement of construction, all vegetation and fauna habitat to be protected under this consent is to be fenced off with clearly visible, durable and appropriately sign posted exclusion fencing to prevent uncontrolled or inadvertent access by vehicles or construction personnel.</p>	Not applicable to OEMP
90	<p>To compensate for the loss of the existing forest/ woodland resulting from the construction of the wind turbine generators and access tracks on Row 6, the Applicant must provide a suitable offset for this clearing by 31 March 2016 (unless otherwise agreed by the Secretary), in consultation with OEH and to the satisfaction of the Secretary.</p> <p><i>Note: With the agreement of the Secretary, This offset can be incorporated into the Biodiversity Offset Package required under conditions 86, 86A and 87.</i></p>	Not applicable to OEMP, refer to Biodiversity Offset Package and BioBanking Agreement
90A	<p>Turbines at row 6 and any turbines located within the vicinity of any Tableland Basalt Forest EEC that have the potential to impact upon this community, must be constructed using the modified technique described in section 2.5.5 of the EIS to minimize disturbance or damage to vegetation. Details of the modified technique are to be described in the CEMP.</p>	Not applicable to OEMP

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	Description	Reference
91	<p>An Operation Flora and Fauna Management Sub Plan must be prepared as part of the OEMP. The Sub-Plan must be prepared in consultation with the Department and include:</p> <p>(a) plans showing terrestrial vegetation communities, important flora and fauna habitat areas, areas to be protected and areas to be planted;</p> <p>(b) methods to be adopted on the site to manage impacts on flora and fauna species (terrestrial and aquatic) and their habitats which may be directly or indirectly affected by the development. These must include:</p> <ul style="list-style-type: none"> i. habitat management procedures including rehabilitation requirements and active re-planting of windrows; ii. operation stage measures to minimise bird and bat disturbance, in particular reducing the incidence of bird/bat strike. Management measures that must be considered for areas near the turbines include: <ul style="list-style-type: none"> i. minimising the availability of raptor perches; ii. modifying structures to prevent perching; iii. management of lambing; iv. swift carcass removal; v. pest control, including rabbits; vi. management of stock (grain) feeding; vii. filling in of small dams on the site that might attract insects and birds; viii. use of deterrents (eg. flags, marker balls); ix. minimising external lighting; x. turbine management, that might include the turning off of turbines that are predicted to cause unacceptable bird/bat mortality at identified times; xi. measures identified from research undertaken at other wind farms to reduce the incidence of bird/bat strike: <p>(c) performance criteria against which to measure the success of the methods; and a program for reporting on the effectiveness of management measures against the identified performance criteria. Management methods must be reviewed where found to be ineffective; and</p> <p>(d) a program to ensure that all staff and contractors associated with the development are aware of the location of all protected areas.</p>	<p>Section 6 - FFMP</p> <p>Appendix H - Bird and Bat Adaptive Management Program</p> <p>Other aspects incorporated in the Biodiversity Offset Package (refer Appendix D)</p> <p>See Section 3.9</p>
92	<p>The Proponent must make a financial contribution of \$1,500 to the NSW Wildlife Information and Rescue Service (WIRES) for each death of a wedge-tailed eagle that has reasonably been</p>	<p>Appendix H - Bird and Bat Adaptive Management Program</p>

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	<p>attributed to the carrying out of the development. The financial contribution must be paid by the Proponent within one month of the Proponent becoming aware of the death. The contribution must be adjusted to take account of any increase in the Consumer Price Index over time, commencing at the March 2007 quarter.</p>	
93	<p>Prior to the commencement of Construction, the Applicant must prepare and submit for the approval of the Secretary, a Bird and Bat Adaptive Management Program must be prepared and undertaken, which takes account of bird/bat monitoring methods identified in the current editions of AusWEA Wind Farms and Birds: Interim Standards for Risk Assessment (July 2005). The Program must be undertaken by a suitably qualified expert, approved by the Secretary.</p> <p>The Program must incorporate Monitoring, and a Decision Matrix that clearly sets out how the Applicant will respond to the outcomes of monitoring. It must:</p> <ul style="list-style-type: none"> (a) incorporate an ongoing role for the suitably qualified expert; (b) set out monitoring requirements. The requirements must account for natural and human changes to the surrounding environment that might influence bird and/or bat behaviour such as changes in land use practices, and significant changes in water levels in nearby water bodies; (c) incorporate a decision making framework that sets out specific actions and when it may be required to reduce identified impacts on birds and bats; (d) set out available mitigation measures; (e) incorporate reporting requirements on the outcomes of monitoring, including details on all mortalities, on the application of the decision making framework, the need for mitigation measures, progress with implementation of such measures, and their success and details of all payments to WIRES (as required under condition 92) that have been made during each reporting period. Reports must be prepared on an annual basis, from the commencement of operation, and must be prepared within 2 months of the end of the reporting period and be provided to the Secretary. The Secretary may vary the reporting requirement or period by notice in writing to the Applicant; and (f) identify any necessary mitigation measures and implementation strategy including, but not limited to, those referred in condition 91. <p>The Applicant is required to implement reasonable and feasible measures, to the satisfaction of the Secretary, where the need for further action is identified through the Bird and Bat Adaptive Management Program.</p>	Appendix H - Bird and Bat Adaptive Management Program

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	Description	Reference
94	The Applicant must not commence any works within 40 metres of a watercourse until a Permit under Part 3A of the Rivers & Foreshores Improvement Act is obtained from DPI Water.	Section 5 - RSWQMP
95	As part of the CEMP, a Riparian Vegetation Management Sub Plan must be prepared and developed in consultation with DPI Water. This Sub Plan is to outline details of the protected riparian zones(s) including but not limited to:...	Not applicable to OEMP
96	<p>As part of the CEMP and OEMP, Soil and Water Management Sub Plans must be prepared in consultation with the relevant government agencies. The Sub Plans must:</p> <p>(a) be prepared by a person with the experience, skills and training in the development and implementation of such plans;</p> <p>(b) where relevant, be in accordance with Landcom's "Managing Urban Stormwater" (2004), and other relevant guidelines including the RMS's "Guidelines for the Control of Erosion and Sedimentation in Roadworks" and the Department's "Constructed Wetlands Manual";</p> <p>(c) identify the activities that could cause soil erosion or discharge sediment or water pollutants from the site associated with the development;</p> <p>(d) describe management methods to minimise soil erosion or discharge of sediment or water pollutants from the site associated with the development including strategies to minimise the area of bare surfaces and to achieve nil or minimal harm to aquatic and riparian environments;</p> <p>(e) describe the location and capacity of erosion and sediment control measures;</p> <p>(f) identify the timing and conditions under which controls will be decommissioned;</p> <p>(g) include contingency plans to be implemented for events such as fuel spills; and</p> <p>(h) identify how the effectiveness of the sediment and erosion control system will be monitored, reviewed and updated.</p>	<p>Section 5 - RSWQMP</p> <p>Appendix E - Soil and Water Management Drawings</p> <p>Appendix J - Pollution Incident Response Management Plan</p>
97	The turbines, substation and access track in high erosion hazard areas must be fenced off from livestock. The location of fencing and high erosion hazard areas must be identified in the OEMP.	<p>Section 5 – RSWQMP</p> <p>Appendix E - Soil and Water Management Drawings</p> <p>Appendix E – Soil and Water Management Drawings</p>
98	Design and construction of any crossings over protected waters and riparian zones must be consistent with the Department's Draft Guidelines – Watercourse Crossing Design & Construction and NSW Fisheries' Why do Fish need to cross the Road – Fish Passage requirements for Waterway	Not applicable to OEMP

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	Description	Reference
	Crossings (2003) and Policy Guidelines Fish Friendly Waterway Crossings (2004).	
99	Except as may be expressly provided by a licence under the POEO Act in relation to the development, the Applicant must comply with Section 120 of the POEO Act (prohibition of the pollution of waters), which prohibits pollution of waters.	Section 5 - RSWQMP
100	The Applicant must design, construct, operate and maintain the development in a manner that minimises dust emissions from the site associated with the development.	Section 5 - RSWQMP
101	The Applicant must take all practicable measures to ensure that all vehicles associated with the development entering or leaving the site and carrying a load that may generate dust, are covered at all times, except during loading and unloading. Any such vehicles must be covered or enclosed in a manner that prevents emissions from the vehicle at all times.	Section 5 - RSWQMP
102	For the purposes of the development, imported fill must be Virgin Excavated Natural Material as defined in the EPA's publication Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Wastes.	Section 5 - RSWQMP
102A	<p>Unless otherwise approved by the Secretary, the location of ancillary facilities associated with the construction of the development shall:</p> <ul style="list-style-type: none"> (a) be located more than 50 metres from a waterway; (b) be located within or adjacent to the development; (c) have ready access to the road network; (d) be located to minimize the need for heavy vehicles to travel through residential areas; (e) be sited on relatively level land; (f) be separated from nearest residences by at least 200 metres (or at least 300 metres for a temporary batching plant); (g) not require vegetation clearing beyond that already required by the development; (h) not impact on heritage sites (including be located away from areas of archaeological sensitivity) beyond those already approved to be impact by the development; (i) not unseasonably affect the land use of adjacent properties; (j) be above the 20 year ARI flood level unless a contingency plan to manage flooding is prepared and implemented; and (k) provide sufficient area for the storage or raw materials to minimize, to the greatest extent practical, the number of deliveries required outside standard construction hours. <p>The location of the ancillary facilities shall be identified in the Construction Environmental management Plan required under condition 25 and include consideration of the above criteria. Where any of the above criteria cannot be met for any proposed ancillary facility, the Applicant shall demonstrate, to</p>	Not applicable to OEMP

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	Description	Reference
	<p>the satisfaction of the Secretary, that there will be no significant adverse impact from the ancillary facility's construction or operation.</p> <p>Such assignment(s) can be submitted separately or as part of the Construction Environmental Management Plan.</p> <p>Note: (g) is not intended to limit the placement of an ancillary facility where the placement of that facility would result in clearing of pasture grass not meeting the definition of an Endangered Ecological Community or habitat for threatened species</p>	
102B	All construction ancillary facility sites shall be rehabilitated to at least their pre-construction condition, unless otherwise agreed by the affected landowner.	Noted
103	<p>Prior to the commencement of operation, the following details are to be submitted to CASA, Department of Defence and the Australian Aerial Agricultural Association:</p> <p>(a) as constructed' coordinates of the wind turbines in latitude and longitude;</p> <p>(b) Final height of the wind turbines as per AHD;</p> <p>(c) Ground level at the base of each of the wind turbines as per AHD; and</p> <p>(d) Must comply with any reasonable requirements of CASA and Department of Defence.</p>	Notification to the agencies listed was provided by TWF email dated 18 November 2014.
104	In the event that required aerial weed control and/or fertilizer application is restricted on any property surrounding the site due to the location of turbines, the Applicant must fully fund the cost difference between the aerial weed spraying/fertilizer application and a reasonable alternative weed control/fertiliser application method in the restricted area, unless otherwise to by the Secretary.	Noted
105	<p>As part of the CEMP, the Applicant must provide details of measures to prevent fires igniting during construction activities. These measures must include, but not be limited to:</p> <p>(e) prohibition of work involving risk of ignition during total fire bans;</p> <p>(f) availability of fire suppression equipment; and</p> <p>(g) storage and maintenance of fuels and other flammable materials.</p>	Not applicable to OEMP
106	During Construction, the Applicant is to consult with the local RFS in periods of high fire danger, to verify that proposed activities to be undertaken during this period, will not adversely increase the risk of bushfire. The Applicant must comply with any reasonable request of the local RFS.	Not applicable to OEMP

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	Description	Reference
107	The Applicant must consult with the RFS after the commencement of operation and any other time thereafter as required by the RFS, to ensure that the local RFS is familiar with the development, including location and identification of wind turbines for the purpose of fast access in emergencies.	Appendix D - Management Documents and Reference Material - Vestas ERP.
108	At least two months prior to the commencement of commissioning the Applicant must prepare a report outlining a comprehensive Safety Management System, covering all on-site systems related to ensuring the safe operation of the development. The report must clearly specify all safety related procedures, responsibilities and policies, along with details of mechanisms for ensuring adherence to the procedures. Records must be kept on-site and must be available for inspection by the Department upon request. The Safety Management System must be developed in accordance with the Departments Hazardous Industry Planning Advisory Paper No. 9, Management and should include: (a) procedures and programs for the maintenance and testing of the safety related equipment to ensure its integrity over the life of the wind farm; (b) an outline of a documented procedure for the management of change; (c) procedures and programs for liaison and regular drills with the local RFS; and (d) procedures for regular fire prevention inspections by the local RFS and implementation of recommendations.	OHSAS 18001 (Health and Safety Management System – Pacific Hydro)
109	Prior to the erection of any wind turbine(s) on site, the Applicant must undertake an assessment of the existing quality of the television Transmission available at a representative sample of residential dwellings located within five kilometres of a wind turbine.	Section 11 - EIP
110	The Applicant must be undertake any reasonable and feasible mitigation measures to rectify any television transmission problems reasonably attributable to the development including but not limited to: (a) installation and maintenance of a parasitic antenna system; (b) provision of a land line between the affected receiver and an antenna located in an area of favourable reception; or (c) other feasible measures. In the event of interference reasonably attributable to the development not being able to be overcome by measures outlined in (a) to (c), the Applicant must, if required by the impacted landowner, install and maintain a satellite receiving antenna. If a dispute arises between the landowner and the	Section 11 - EIP

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	Description	Reference
	<p>Applicant as to these works, the matter may be referred by either party to the Secretary, whose determination must be final and binding on all parties.</p> <p>Any requested works must be completed within three months of the completion of the relevant television and/or radio reception assessment, unless otherwise agreed by the landowner. The Applicant must be responsible for all costs associated with undertaking any mitigation measures.</p>	
111	<p>The human wastewater management system is to be designed in consultation with the Water NSW, in accordance with the principles contained within the guidelines On-site Sewage Management for Single Households, and the AS/NZS 1547-2000 On-site Domestic Wastewater Management. The system, including any effluent management areas, is to be located at least 100 metres from watercourses and 40 metres from drainage depressions.</p>	<p>Not applicable to OEMP Construction requirement</p>
112	<p>AAA-rated water conservation devices are to be installed in the site control room/facilities building to minimise the volume of wastewater produced.</p>	<p>Not applicable to OEMP Construction requirement</p>
113	<p>All stormwater is to be diverted away from any effluent management area associated with the development.</p>	<p>Section 5 - RSWQMP</p>
114	<p>Prior to the commencement of Construction, the Applicant must provide written evidence to the satisfaction of the Secretary, that the lease agreements with the site landowners have adequate provisions to require that decommissioning occurs in accordance with this Consent.</p>	<p>Not applicable to OEMP</p>
115	<p>Unless otherwise agreed by the Secretary, within 18 months of the cessation of operation of the Development, the site shall be decommissioned and returned by the Applicant, as far as practicable, to its condition prior to the commencement, in consultation with the relevant landowner(s) and to the satisfaction of the Secretary (and in accordance with the Decommissioning and Rehabilitation Plan required by condition 116).</p> <p>All generating facilities and associated infrastructure (including but necessarily limited to the substations and transformers, switchyard, operation and maintenance facility, overhead transmission lines and access roads) shall be removed from the site unless otherwise agreed by the Secretary. Project related infrastructure (including access roads) may only be retained on site, where the Applicant has demonstrated to the satisfaction of the Secretary prior to the commencement of decommissioning, that these components: are permissible under the site's statutory land use provisions in force upon</p>	<p>Not applicable to OEMP</p>

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	Description	Reference
	<p>commencement of the decommissioning; would not pose an ongoing impediment to permissible land use at the properties; and their retention has been agreed to in writing (with evidence provided to the Secretary) by the relevant landowners.</p> <p>This condition does not apply to any infrastructure which, as at the relevant date, is owned by a network operator under the Electricity Supply Act 1995 (NSW) (or any equivalent provisions which are in force as at the relevant date).</p>	
116	<p>The Applicant shall prepare within three months of the determination of modification 3 and 4 and update a Decommissioning and Rehabilitation Plan every five years from the date of preparation, until decommissioning and rehabilitation is completed. A copy of the Plan and updated versions are to be provided to the Secretary and made publicly available. The updated Plan shall be consistent with the requirements of the draft NSW Planning Guidelines – Wind Farms (December 2011), as updated. The updated Plan shall include estimated costs and funding arrangements for decommissioning including provision for a decommissioning bond or other funding mechanisms, where the Plan concludes that estimated costs and funding arrangements are inadequate.</p>	Not applicable to OEMP
117	<p>Any individual turbine that ceases operating for a period of more than 12 consecutive months shall be dismantled within 18 months after the 12 month period, unless otherwise agreed by the Secretary. The Applicant shall keep independently-verified annual records of the use of wind turbines for electricity generation. Copies of these records shall be provided to the Secretary upon request. The relevant wind turbine and any associated infrastructure is to be dismantled and removed from the site by the Applicant within 18 months from the date that the wind turbine was last used to generate electricity.</p>	Section 4.3
118	<p>Unless otherwise agreed by the Secretary, the Applicant shall commission an independent, qualified person or team to undertake the following in consultation with the relevant road authority:</p> <p>(o) prior to the commencement of decommissioning, review the proposed route and existing access provisions to the Wind Farm Site to determine whether the route and existing provisions allow for safe access of decommissioning vehicles associated with the Development (including appropriate site distances and provisions for over-mass or over-dimensional transport and safety with other road users). Where improvements or changes to dimensional transport and safety with other road users). Where improvements or changes to the proposed route are required, the Applicant shall implement</p>	Not applicable to OEMP

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	Description	Reference
	<p>these in consultation with relevant road authority, prior to the commencement of decommissioning and at the full expense of the Applicant;</p> <p>(p) assess all roads proposed to be used for over-mass and/or over-dimensional transport (including intersections, bridges, culvers and other road features) prior to the commencement of decommissioning to determine whether the existing road condition can accommodate the proposed over-mass and/or over-dimensional haulage. Where improvements are required, the Applicant shall implement these in consultation with the relevant road authority, prior to the commencement of decommissioning and at the full expense of the Applicant. Upon determining the haulage route(s) for decommissioning vehicles associated with the Development, and prior to decommissioning, an independent and qualified person or team shall undertake a Road Dilapidation Report. The report shall assess the current condition of the road(s) and describe mechanisms to restore any damage that may result due to traffic and transport related to the decommissioning of the Development. The Report shall be submitted to the relevant road authority for review prior to the commencement of haulage.</p> <p>Within three months of completion of decommissioning, a subsequent report shall be prepared to assess any damage that may have resulted from the construction of the Development (including mechanisms to restore any damage) and submitted to the relevant road authority for review. Measures undertaken to restore or reinstate roads by the Department shall be undertaken in accordance with the reasonable requirements of the relevant road authority (including timing requirements), and at the full expense of the Applicant.</p>	
119	<p>Prior to the commencement of decommissioning or as otherwise agreed by the Secretary, the Applicant shall prepare and implement (following approval) a Decommissioning Environmental Management Plan for the Development.</p> <p>The Plan shall outline the environmental management practices and procedures that are to be followed during decommissioning and shall be prepared in consultation with the relevant agencies and in accordance with the Guideline for the Preparation of Environmental Management Plans (Department of Infrastructure, Planning and Natural Resources, 2004).</p> <p>The Plan shall include, but not necessarily be limited to:</p> <p>(q) a description of activities to be undertaken during decommissioning of the Development (including staging and scheduling);</p> <p>(r) statutory and other obligations the Applicant is required to</p>	<p>Noted</p> <p>Not applicable to OEMP</p>

NSW State Approval Conditions		
	Description	Reference
	<p>fulfil during decommissioning including approval/approvals, consultations and agreements required from authorities and other stakeholders under key legislation and policies;</p> <p>(s) a description of the roles and responsibilities for relevant employees involved in the decommissioning of the Development, including relevant training and induction provisions for ensuring that employees, including contractors and sub-contractors are aware of their environmental and compliance obligations under these conditions of Consent;</p> <p>(t) an environmental risk analysis to identify the key environmental performance issues associated with the decommissioning phase; and</p> <p>(u) details of how environmental performance will be managed and monitored to meet acceptable outcomes, including what actions will be taken to address identified potential adverse environmental impacts (including any impacts arising from the staging of the decommissioning of the Development). In particular, the following environmental performance issues shall be addressed in the Plan:</p> <ul style="list-style-type: none"> i. compounds and ancillary facilities management; ii. noise and vibration; iii. traffic and access; iv. soil and water quality and spoil management; v. air quality and dust management; vi. hazardous material and waste management; and vii. hazard and risk management, including bushfire risk. <p>The Plan shall be submitted for the approval of the Secretary no later than on month prior to the commencement of decommissioning, or as otherwise agreed by the Secretary. The Plan may be prepared in stages, however, decommissioning works shall not commence until written approval has been received from the Secretary.</p>	

Environment Protection Licence Conditions		
	Description	Reference
A1.1	This licence authorises the carrying out of the scheduled development work listed below at the premises listed in A2: 51 wind turbines, access tracks, transformer units, electrical substation and control building, and a network of electrical connections linking each turbine to the electrical substation and a TV transmitter tower at various locations.	Noted
A1.2	This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-Based activity classification and the scale of the operation. Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition. Scheduled Activity - Electricity Generation Fee Based Activity - Electricity works (wind farms) Scale- > 450 - 1000 GWh generated	Noted
A2.1	The licence applies to the following premises: Premises Details TARALGA WIND FARM OLD SHOWGROUND RD TARALGA NSW 2580	Noted
A2.2	In relation to Condition A2.1, the premises is defined by the project boundary detailed (in red) in the image: (a) 'Taralga Wind Farm WTG Collector System Reticulation Network General Arrangement' (ID: TAR-E-5200-1) prepared by Downer EDI Engineering Pty Ltd and dated 26 February 2014. <i>Note: A copy of the above document is contained on file EF14/4086 at the EPA's Queanbeyan Regional Office.</i> a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.	Noted
L1.1	Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of	Noted

Environment Protection Licence Conditions		
	Description	Reference
	the Protection of the Environment Operations Act 1997.	
L2.1	The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.	Section 10 - WMP
L2.2	The licensee must ensure that all liquid and/or non-liquid waste generated and/or stored on the site is assessed and classified in accordance with Waste Classification Guidelines Part 1: Classifying Waste (DECC, 2008) or any future guideline that may supersede that document.	Section 10 - WMP
L3.1	Noise generated from the premises must not exceed, at the nearest non-involved residential receivers: a) 35 dB(A); or b) the existing background noise level (LA90 (10-minute)), correlated to the integer wind speed at 10 metres above ground level at the wind farm site, by more than 5dB (A), whichever is the greater, for each integer wind speed (measured at 10 metres above ground level) from cut-in to rated power of the wind turbine generator when determined in accordance with the methodology provided in the Environmental Noise Guidelines: Wind Farms (South Australia EPA, 2003). This condition applies to all relevant receivers (residences in existence at the time of the Project Approval, 2009). For the purpose of measuring compliance with the noise limits, the locations listed in the table below are the nearest non-involved residential receivers.	Appendix D - Management Documents and Reference Material

Environment Protection Licence Conditions												
	Description											Reference
	Location	4	5	6	7	8	9	10	11	12	Wind sp	
	H01	35	35	36	38	41	44	47	50	53		
	H05	41	41	42	44	45	47	49	51	54		
	H07	35	37	40	44	47	51	54	57	59		
	H13	35	35	35	35	37	40	43	45	48		
	H27	35	35	35	35	37	40	43	45	48		
	H29	35	35	35	35	37	40	43	45	48		
	H41	35	35	36	38	40	42	43	44	45		
	The Farm	36	37	39	41	44	46	49	51	53		
L3.2	Location data for the nearest relevant receivers referred to in Condition L3.1 can be found in the table below.											Appendix D - Management Documents and Reference Material

Environment Protection Licence Conditions																														
	Description			Reference																										
	<table border="1"> <thead> <tr> <th>Location</th> <th>Easting</th> <th>Northing</th> </tr> </thead> <tbody> <tr> <td>H01</td> <td>764625</td> <td>6191731</td> </tr> <tr> <td>H05</td> <td>761699</td> <td>6188614</td> </tr> <tr> <td>H07</td> <td>765719</td> <td>6189053</td> </tr> <tr> <td>H13</td> <td>765097</td> <td>6183557</td> </tr> <tr> <td>H27</td> <td>760337</td> <td>6182614</td> </tr> <tr> <td>H29</td> <td>759062</td> <td>6186911</td> </tr> <tr> <td>H41</td> <td>767356</td> <td>6187486</td> </tr> <tr> <td>The Farm</td> <td>762289</td> <td>6191150</td> </tr> </tbody> </table> <p><i>Note: The coordinate system for the location data in the table above is MGA94 Zone 55.</i></p>	Location	Easting	Northing	H01	764625	6191731	H05	761699	6188614	H07	765719	6189053	H13	765097	6183557	H27	760337	6182614	H29	759062	6186911	H41	767356	6187486	The Farm	762289	6191150		
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The Farm	762289	6191150																												
L3.3	Notwithstanding Condition L3.1, the noise limit specified under that condition does not apply to any sensitive receiver where a noise agreement is in place between the licensee and the respective landowner(s) in relation to noise impacts and/or noise limits.			Appendix D - Management Documents and Reference Material																										
L3.4	To determine compliance with Condition L3.1, 5dB (A) must be added to measured noise levels where tonality is present. The presence of tonality must be determined using a methodology based on the modifying factor for tonality presented in Section 4 of the NSW Industrial Noise Policy (EPA, 2001).			Appendix D - Management Documents and Reference Material																										
L3.5	To determine compliance with Condition L3.1, noise from the premises must be measured at the most affected point within the residential boundary, or at the most affected point within 20 metres of the dwelling, where the dwelling is more than 20 metres from the boundary. Noise levels are determined in accordance with the methodology provided in the Environmental Noise Guidelines: Wind Farms (South Australia EPA, 2003).			Appendix D - Management Documents and Reference Material																										
L4.1	The overpressure level from blasting operations at the premises must not exceed 115dB (Lin Peak) for more than 5% of the total number of blasts over a period of 12 months (annual reporting period). Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has			Not applicable to OEMP																										

Environment Protection Licence Conditions		
	Description	Reference
	been exceeded.	
L4.2	<p>The overpressure level from blasting operations at the premises must not exceed 120dB (Lin Peak) at any time. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.</p> <p><i>Note: The measured values in L4.1 and L4.2 apply when equipment with a lower cut-off frequency of 2Hz or less is used. If the instrumentation has a higher cut-off frequency, then a correction of 5dB should be added to the measured value. Equipment with a lower cut-off frequency exceeding 10Hz should not be used for the purposes of measuring overpressure.</i></p>	Not applicable to OEMP
L4.3	<p>Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 5mm/s for more than 5% of the total number of blasts over a period of 12 months (annual reporting period). Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.</p>	Not applicable to OEMP
L4.4	<p>Ground vibration peak particle velocity from the blasting operations at the premises must not exceed 10mm/s at any time. Error margins associated with any monitoring equipment used to measure this are not to be taken into account in determining whether or not the limit has been exceeded.</p>	Not applicable to OEMP
L4.5	<p>Blasting operations at the premises may only take place between:</p> <ul style="list-style-type: none"> a) 9:00am and 5:00pm Monday to Friday; b) 9:00am and 1:00pm on Saturdays; and c) at no time on Sundays or Public Holidays. <p>Where compelling safety reasons exist, the EPA may permit a blast to occur outside the above mentioned hours. Prior written notification of any such blast must be made to the EPA.</p> <p><i>Note: Prior to each blasting event outside of the permitted hours the licensee must notify the relevant local council and potentially affected landowners of the time and location of the blasting event and provide a contact point for inquiries and complaints.</i></p>	Not applicable to OEMP
L4.6	<p>The air blast overpressure and ground vibration levels in Conditions L4.1 to L4.4 do not apply at noise sensitive</p>	Not applicable to OEMP

Environment Protection Licence Conditions		
	Description	Reference
	locations that are owned by the licensee or subject to a private agreement, relating to air blast overpressure and ground vibration levels, between the licensee and land owner.	
L5.1	<p>Standard construction hours, unless otherwise specified by any other condition of this licence, all construction activities are:</p> <p>a) restricted to between the hours of 7:00am and 6:00pm Monday to Friday;</p> <p>b) restricted to between the hours of 8:00am and 1:00pm Saturday; and</p> <p>c) not to be undertaken on Sundays or Public Holidays.</p>	<p>Section 1.3</p> <p>Appendix D - Management Documents and Reference Material</p>
L5.2	<p>The following activities may be carried out in association with construction outside of these hours:</p> <p>a) any works that do not cause noise emissions to be audible (defined as 5dBA above the background noise level) at any nearby residences not located on the premises;</p> <p>b) the delivery of materials as requested by Police or other authorities for safety reasons; and</p> <p>c) emergency work to avoid the loss of lives, property and/or to prevent environmental harm. Any work undertaken outside the specified construction hours, other than those specified in (a) – (c) of this condition must not be undertaken without prior consent of the EPA.</p>	<p>Section 1.3</p> <p>Appendix D - Management Documents and Reference Material</p>
L5.3	The hours of construction specified in Condition L5.1 may be varied with written consent if the EPA is satisfied that the amenity of the residents in the locality will not be adversely affected.	Noted
L5.4	<p>Any request to alter the hours of construction specified under Condition L5.1 shall be:</p> <p>a) considered on a case-by-case basis; and</p> <p>b) accompanied by details of the nature of and need for activities to be conducted during the varied construction hours and any other information necessary to reasonably determine that activities undertaken during the varied construction hours will not adversely impact on the acoustic amenity of receptors in the vicinity of the site. Any affected residential receivers must be informed of the timing and duration of work approved under this condition at least 48 hours before that work commences.</p> <p><i>Note: In order to alter the hours of construction, consent</i></p>	Noted

Environment Protection Licence Conditions		
	Description	Reference
	<i>must also be obtained from the Director General, Department of Planning & Infrastructure (as per the Project Approval).</i>	
Q1.1	Licensed activities must be carried out in a competent manner. This includes: a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.	Section 5 - RSWQMP Section 10 - WMP
Q2.1	All plant and equipment installed at the premises or used in connection with the licensed activity: a) must be maintained in a proper and efficient condition; and b) must be operated in a proper and efficient manner.	Appendix D - Management Documents and Reference Material
Q3.1	Activities occurring in or on the premises must be carried out in a manner that will minimise the generation or emission from the premises, of wind-blown or traffic generated dust.	Section 5 - RSWQMP
Q4.1	The licensee must maintain, and implement as necessary, a current emergency response plan for the premises. The licensee must keep the emergency response plan on the premises at all times. The emergency response plan must document systems and procedures to deal with all types of incidents (e.g. spills, explosions or fire) that may occur at the premises or that may be associated with activities that occur at the premises and which are likely to cause harm to the environment. If a current emergency response plan does not exist at the date on which this condition is attached to the licence, the licensee must develop an emergency response plan within three months of that date.	Appendix D - Management Documents and Reference Material - Vestas ERP Appendix J - Pollution Incident Response Management Plan
Q5.1	The licensee must store and handle all chemicals on site in accordance with the Storing and Handling liquids: Environment Protection, Participants Manual: Appendix: Technical Considerations (DECC, 2007).	Section 5 - RSWQMP Appendix J - Pollution Incident Response Management Plan
M1.1	The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.	Noted
M1.2	All records required to be kept by this licence must be: a) in a legible form, or in a form that can readily be reduced	Noted

Environment Protection Licence Conditions		
	Description	Reference
	<p>to a legible form;</p> <p>b) kept for at least 4 years after the monitoring or event to which they relate took place; and</p> <p>c) produced in a legible form to any authorised officer of the EPA who asks to see them.</p>	
M1.3	<p>The following records must be kept in respect of any samples required to be collected for the purposes of this licence:</p> <p>a) the date(s) on which the sample was taken;</p> <p>b) the time(s) at which the sample was collected;</p> <p>c) the point at which the sample was taken; and</p> <p>d) the name of the person who collected the sample.</p>	Noted
M2.1	<p>The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.</p>	Section 4.8
M2.2	<p>The record must include details of the following:</p> <p>a) the date and time of the complaint;</p> <p>b) the method by which the complaint was made;</p> <p>c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;</p> <p>d) the nature of the complaint;</p> <p>e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and</p> <p>f) if no action was taken by the licensee, the reasons why no action was taken.</p>	Section 4.8
M2.3	<p>The record of a complaint must be kept for at least 4 years after the complaint was made.</p>	Section 4.8
M2.4	<p>The record must be produced to any authorised officer of the EPA who asks to see them.</p>	Noted
M3.1	<p>The licensee must operate during its operating hours a telephone complaints line for the purpose of receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.</p>	Section 4.8

Environment Protection Licence Conditions		
	Description	Reference
M3.2	The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.	Section 4.8
M3.3	The preceding two conditions do not apply until three months after a) the date of the issue of this licence or b) if this licence is a replacement licence within the meaning of the Protection of the Environment Operations (Savings and Transitional) Regulation 1998, the date on which a copy of the licence was served on the licensee under clause 10 of that regulation.	Noted
R1.1	The licensee must complete and supply to the EPA an Annual Return in the approved form comprising: a) a Statement of Compliance; and b) a Monitoring and Complaints Summary. At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.	Section 4.2
R1.2	An Annual Return must be prepared in respect of each reporting period, except as provided below. <i>Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.</i>	Section 4.2
R1.3	Where this licence is transferred from the licensee to a new licensee: a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period. <i>Note: An application to transfer a licence must be made in the approved form for this purpose.</i>	Noted
R1.4	Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual	Noted

Environment Protection Licence Conditions		
	Description	Reference
	<p>Return in respect of the period commencing on the first day of the reporting period and ending on:</p> <p>a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or</p> <p>b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.</p>	
R1.5	The Annual Return for the reporting period must be supplied to the EPA by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').	Noted
R1.6	The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.	Noted
R1.7	<p>Within the Annual Return, the Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:</p> <p>a) the licence holder; or</p> <p>b) by a person approved in writing by the EPA to sign on behalf of the licence holder.</p>	Noted
R1.8	The licensee must report any exceedance of the licence blasting limits to the regional office of the EPA as soon as practicable after the exceedance becomes known to the licensee or to one of the licensee's employees or agents.	Not applicable to OEMP
R2.1	<p>Notifications must be made by telephoning the Environment Line service on 131 555.</p> <p><i>Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.</i></p>	<p>Appendix D - Management Documents and Reference Material – Vestas ERP</p> <p>Appendix J - Pollution Incident Response Management Plan</p>
R2.2	The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.	<p>Appendix D - Management Documents and Reference Material – Vestas ERP</p> <p>Appendix J - Pollution Incident Response Management Plan</p>
R3.1	<p>Where an authorised officer of the EPA suspects on reasonable grounds that:</p> <p>a) where this licence applies to premises, an event has</p>	Noted

Environment Protection Licence Conditions		
	Description	Reference
	<p>occurred at the premises; or</p> <p>b) where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence, and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.</p>	
R3.2	The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.	Noted
R3.3	<p>The request may require a report which includes any or all of the following information:</p> <p>a) the cause, time and duration of the event;</p> <p>b) the type, volume and concentration of every pollutant discharged as a result of the event;</p> <p>c) the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;</p> <p>d) the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;</p> <p>e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;</p> <p>f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of such an event; and</p> <p>g) any other relevant matters.</p>	Noted
R3.4	The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.	Noted
G1.1	A copy of this licence must be kept at the premises to which the licence applies.	Section 4.2
G1.2	The licence must be produced to any authorised officer of the EPA who asks to see it.	Noted

Environment Protection Licence Conditions		
	Description	Reference
G1.3	The licence must be available for inspection by any employee or agent of the licensee working at the premises.	Noted
U1.1	The licensee must, within the first six months post commissioning of the wind farm, prepare a Noise Compliance Report which assesses the performance of the wind farm against the operational noise criteria specified in Condition L3.1 The compliance assessment must be undertaken in accordance with the requirements of the Environmental Noise Guidelines: Wind Farms (South Australia EPA, 2003) and the Noise Compliance Report must be submitted to the EPA within one month of the completion of the monitoring.	Appendix D - Management Documents and Reference Material

Appendix C - Legal and Regulatory Requirements

Legislation	Authority	OEMP reference	Comment
Commonwealth			
Environment Protection and Biodiversity Conservation Act 1999	Commonwealth Department of Environment	Section 1.4	Applicable to environmental impacts on Commonwealth land and impacts on matters of national significance. Wind Farm declared a 'non-controlled action' on 21 st December 2004. No further Commonwealth involvement is required.
Australian Heritage Council Act 2003	Commonwealth Department of Environment	HMP	Establishes and defines the role of the Australian Heritage Council, the principal adviser to the Australian Government on heritage matters.
Work Health and Safety Act 2011	WorkCover NSW	Vestas ERP (Appendix D)	Applicable to workplace safety including the use of pesticides / herbicides and control of hazardous substances.
New South Wales			
Crown Land Management Act 2016	Department of Industry	Section 1.4	Applicable for where infrastructure intersects Crown Land.
Environmental Planning and Assessment Act 1979	Department of Planning and Environment (DPE)	Section 1.4	The Wind Farm has been approved and modified under this Act. Conditions of Consent need to be complied with for the Wind Farm.
Protection of the Environment Operations Act 1997	Environmental Protection Authority (EPA)	Section 1.4	The EPA is the appropriate regulatory authority for large scale wind farms under this Act. Regulation is enforced through an Environmental Protection Licence (EPL).
Water Management Act 2000	Department of Industry	RSWQMP	Protection of waterways and waterfront land. Approvals for damming, extraction of surface water and ground water, and road and cable crossings of waterways.
Fisheries Management Act 1994	DPI Fisheries NSW	RSWQMP	Protection of aquatic threatened species, populations and ecological communities.
Roads Act 1993	Local Council and Roads and Maritime Service (RMS)	RSWQMP	Section 138 approval required for work performed on public roads
Local Land Services Act 2013	Office of Environment and Heritage (OEH)	RSWQMP	Covers clearing of Native Vegetation on rural land
Biosecurity Act 2015	DPI / Local Council	FFMP	The Act is about managing diseases and pests that may cause harm to human,

Legislation	Authority	OEMP reference	Comment
			animal or plant health or the environment.
Pesticides Act 1999	EPA	FFMP	Protection of human health, the environment, property and trade in relation to the use of pesticides (including herbicides).
National Parks and Wildlife Act 1974	Office of Environment and Heritage (OEH)	FFMP HMP	Covers areas including the protection of Aboriginal objects and places, the protection of fauna and the protection of native vegetation.
Biodiversity Conservation Act 2016	OEH and local councils	FFMP	The Act provides a strategic approach to conservation in NSW whilst improving farm productivity and sustainable development.
Heritage Act 1977	OEH	HMP	This Act makes provisions to conserve the State's environmental heritage. It provides for the identification and registration of items of State heritage significance.
Waste Avoidance and Resource Recovery Act 2001	EPA	WMP	This Act sets out the priorities for the efficient use of resources through the waste hierarchy of Avoid, Recover, and Dispose.
Rural Fires Act 1997	Rural Fire Service (RFS)	ERP (Appendix D)	Duties to prevent bushfires; Occupiers to extinguish fires or notify fire authorities

Appendix D - Management Documents and Reference Material

The following documents are Reference documents containing information on previous, current and future management strategies associated with activities involving the Construction, Operation and Decommissioning of Taralga Wind Farm.

This material provides further context and detail relating to activities covered by this OEMP and is accessible through Pacific Hydro on request.

Note: All documents must be kept for at least four years after the monitoring or event which they relate to took place.

Pacific Hydro Management System Documents

- Health Safety, Environment and Quality Management System;
- Asset Management System;
- Asset Management Plan;
- Emergency Management Plan;
- Risk Management Procedure;
- Environmental Impacts and Aspects Risk Register;
- Work Health Safety Risk Register; and
- Complaints and Enquiries Register.

Taralga Wind Farm Documents

- CWP Renewables, Taralga Wind Farm Noise Management Plan, 2016
- Safety and Environment Management Plan (Vestas);
- Emergency Response Plan (Vestas);
- Decommissioning and Rehabilitation Plan;
- Environmental Protection License;
- Biodiversity Offset Package; and
- BioBanking Agreement.







Taralga Wind Farm Documents (Archived)

- Environmental Impact Statement;
- Construction Environment Management Plan;
- Construction Heritage Management Plan;
- Traffic Management Plan;
- Bird and Bat Adaptive Management Program, 2015; and
- Operational Environmental Management Plan, 2014, Revision H.

Appendix E - Soil and Water Management Drawings

Appendix F - Vegetation Communities

Appendix G - Weed Identification Table

	
Hawthorn (<i>Crataegus monogyna</i>)	Hawthorn (<i>Crataegus monogyna</i>)
	
Blackberry (<i>Rubus fruticosus</i> spp. agg)	Serrated Tussock (<i>Nassella trichotoma</i>)
	
Spanish Artichoke (<i>Cynara cardunculus</i>)	Spear Thistle (<i>Cirsium vulgare</i>)



Sweet Briar (*Rosa rubiginosa*)



White Willow (*Salix alba*)



Yorkshire Fog (*Holcus lanatus*)



Panic Veldt-grass (*Ehrharta erecta*)



Barley Grass (*Hordeum leporinum*)



Capeweed (*Arctotheca calendula*)



Cocksfoot (*Dactylis glomerata*)



Paterson's Curse (*Echium plantagineum*)



Perennial Rye-grass (*Lolium Perenne*)



Phalaris (*Phalaris aquatic*)



Sweet Vernal-grass (*Anthoxanthum odoratum*)



Sweet Vernal-grass (*Anthoxanthum odoratum*)



Viper's Bugloss (*Echium vulgare*)



St John's Wort (*Hypericum perforatum*)



Horehound (*Marrubium vulgare*)



Thistle (*Onopordum* spp.)



Needle Grass (*Nassella* spp.)

Appendix H - Bird and Bat Adaptive Management Program

Note: the chapters and appendices relevant to the Bird and Bat Adaptive Management Program have been extracted from Taralga Wind Farm Construction Environmental Management Plan (CEMP) – Biodiversity Sub-Plans (Brett Land & Associates, December 2018, Report No. 8129 (9.3)).

Appendix I - Traffic Route Maps

Appendix J - Pollution Incident Response Management Plan