



# Bango Wind Farm Independent Environmental Audit

Prepared for CWP Renewables Pty Ltd  
March 2020





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# Bango Wind Farm Independent Environmental Audit

March 2020

**Report Number**

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H190811 RP#11

**Client**

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CWP Renewables Pty Ltd

**Audit Commencement Date**

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17 December 2019

**Version**

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v22 Final

**Prepared by**

**Approved by**

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**Claire Burnes**

Associate Environmental Scientist

13 March 2020



**David Bone**

Lead Auditor

13 March 2020

This report has been prepared in accordance with the brief provided by the client and has relied upon the information collected at the time and under the conditions specified in the report. All findings, conclusions or recommendations contained in the report are based on the aforementioned circumstances. The report is for the use of the client and no responsibility will be taken for its use by other parties. The client may, at its discretion, use the report to inform regulators and the public.

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## Independent Audit Declaration Form

<b>Project name</b>	Bango Wind Farm
<b>Consent number</b>	SSD 6686_NSW LEC Appeal 19/149003
<b>Description of project</b>	Wind Farm Development
<b>Project address</b>	Southern Tablelands, 20km north of Yass, 7 km south-east of Boorowa, 80km west of Goulburn, off Lachlan Valley Way, New South Wales,
<b>Proponent</b>	CWP Renewables Pty Ltd
<b>Title of audit</b>	Bango Wind Farm 2019 Independent Environmental Audit
<b>Date</b>	17/12/2019
<p>I declare that I have undertaken the Independent Audit and prepared the contents of the attached Independent Audit Report and to the best of my knowledge:</p> <ul style="list-style-type: none"> <li>the audit has been undertaken in accordance with relevant approval condition(s) of consent and in accordance with the <i>Independent Audit Post Approval Requirements</i> (Department 2018);</li> <li>the findings of the audit are reported truthfully, accurately and completely;</li> <li>I have exercised due diligence and professional judgement in conducting the audit;</li> <li>I have acted professionally, objectively and in an unbiased manner;</li> <li>I am not related to any proponent, owner or operator of the project neither as employer, business partner, employee, or by sharing a common employer, having a contractual arrangement outside the audit, or by relationship as spouse, partner, sibling, parent or child;</li> <li>I do not have any pecuniary interest in the audited project, including where there is a reasonable likelihood or expectation of financial gain or loss to me or spouse, partner, sibling, parent or child;</li> <li>neither I nor my employer have provided consultancy services for the audited development that were subject to this audit except as otherwise declared to the Department prior to the audit; and</li> <li>I have not accepted, nor intend to accept any inducement, commission, gift or any other benefit (apart from fair payment for auditing services) from any proponent, owner or operator of the project, their employees or any interested party. I have not knowingly allowed, nor intend to allow my colleagues to do so.</li> </ul> <p>Note:</p> <p>a) Under section 10.6 of the <i>Environmental Planning and Assessment Act 1979</i> a person must not include false or misleading information (or provide information for inclusion in) in a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and</p> <p>b) The <i>Crimes Act 1900</i> contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years imprisonment or 200 penalty units, or both).</p>	
<b>Name of auditor</b>	David Bone
<b>Signature</b>	
<b>Qualification</b>	ADAS Northern Rivers CAE 1986; EIANZ CEnVP #137 Environmental Auditor
<b>Company</b>	EMM Consulting Pty Limited
<b>Company address</b>	Level 3, 175 Scott Street, Newcastle, NSW 2300

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# 1 Introduction

## 1.1 Background

Bango Wind Farm (the project) is located in the southern Tablelands approximately 30° kilometres (km) north of Yass, New South Wales (refer Figure 1.1), within the Hilltops and Yass Valley Local Government Areas (LGA). The windfarm comprises 46 wind turbines and associated infrastructure, including Transmission lines, Sub-Station, road networks and cabling network.

The project is being constructed and will operate under State Significant Development (SSD) 6686 (as modified), which was originally granted approval by the Independent Planning Commission on 1 May 2018, and subsequently by the Land and Environment Court of NSW in December 2018 in response to a third-party appeal. The consent has been modified once on 7 June 2019 to incorporate land subdivision across the project site.

The development consent outlines that Bango Wind Farm is required to conduct an Independent Environmental Audit (IEA) within 6 months of the commencement of construction (16 August 2019). The project is still under construction, so the IEA will primarily focus on pre-construction and initial construction phase environmental compliance.

This report details the findings of the IEA commenced in December 2019 with site inspections undertaken in December 2019 and additional information reviews undertaken in January, February and March 2020 by EMM Consulting Pty Limited (EMM).

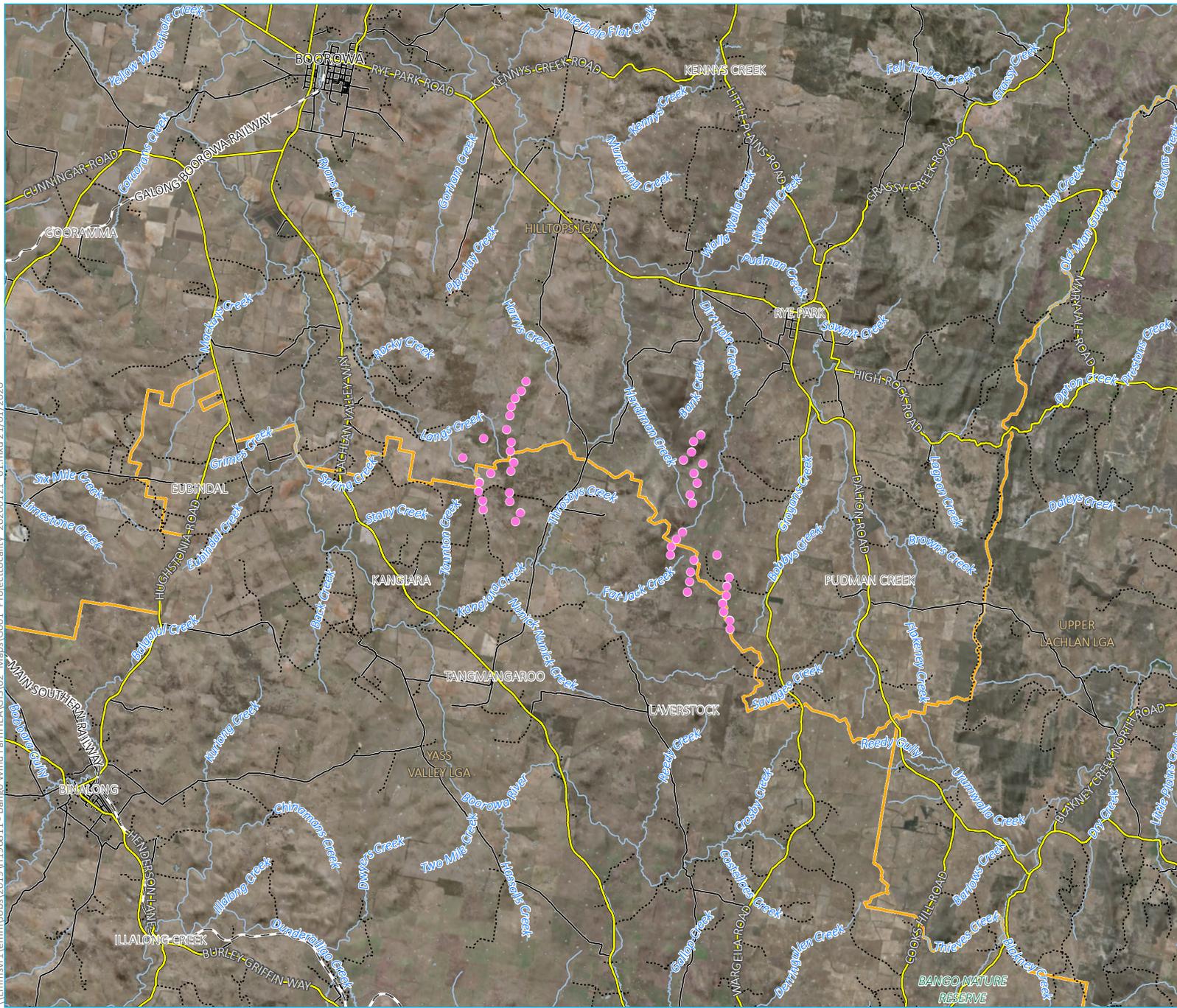
## 1.2 Overview of Operations at Bango Windfarm

Construction commenced in August 2019 and at the time of the audit, the project had completed intersection works on Lachlan Valley Way and Tangmangaroo Rd, constructed and approximately 10 km of the main access road and started earthworks on the sub-station area. Administration buildings and the main construction compound were also under construction, with a temporary office, parking and laydown area located adjacent to the site access off Lachlan Valley Way.

Main roadways, drainage and compound areas for batch plants were under construction at the time of the audit with no turbine footings, crane pads or other turbine infrastructure yet commenced. Preliminary work, involving the construction of new transmission poles had commenced on the powerline connection to the NSW Grid between the substation and the existing tower line near Tanmangaroo Road.

Site delineation was in place at the limits of construction and survey for site delineation and final access road alignment was continuing to the East of Tanmangaroo Road.

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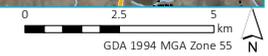
- KEY**
- Turbine location
  - - - Rail line
  - Main road
  - Local road
  - ..... Vehicular track
  - Named watercourse
  - Waterbody
  - NPWS reserve
  - Local government area

Project locality

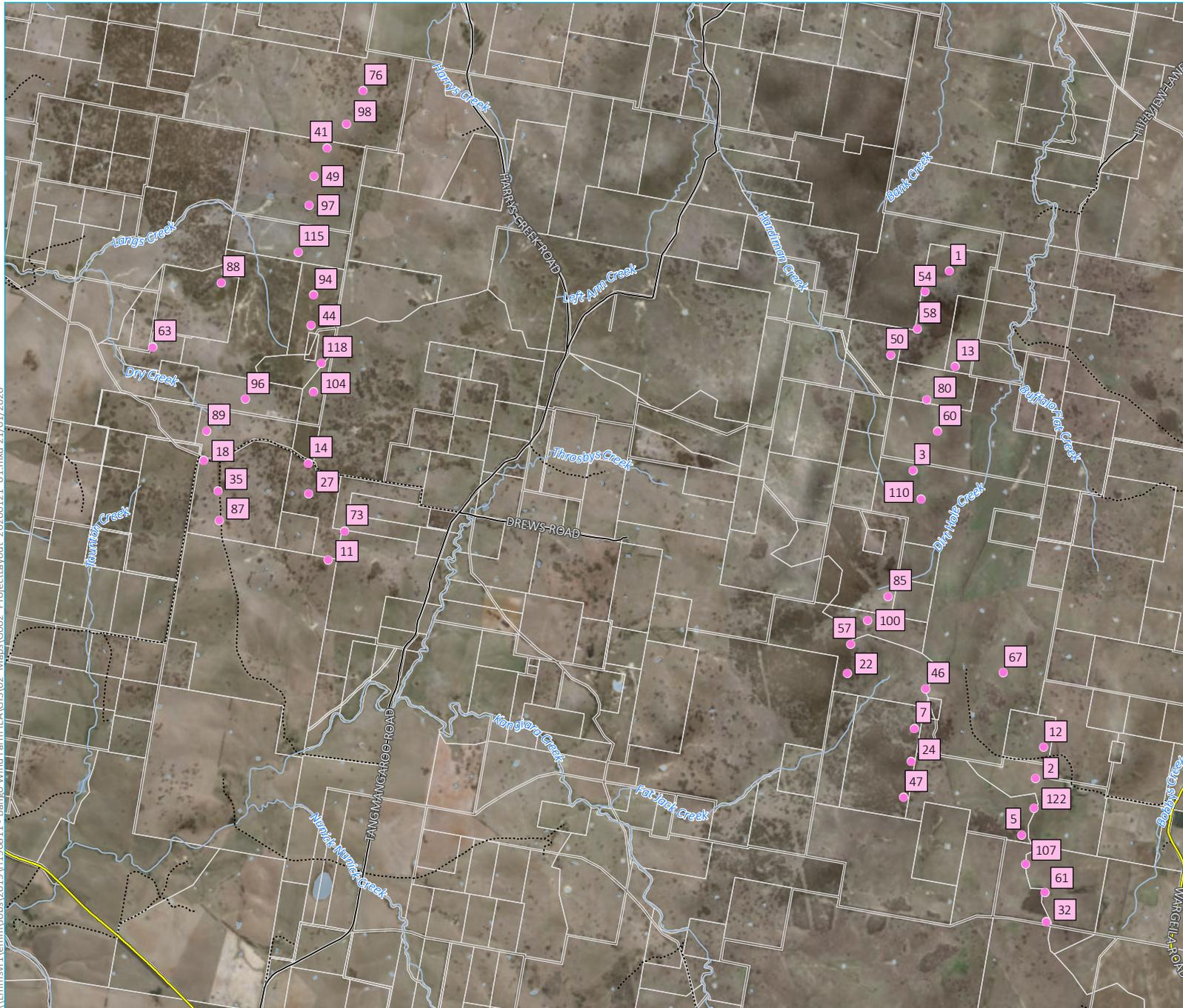
CWP Renewables Pty Ltd  
Bango Windfarm audit  
Figure 1.1



Source: EMM (2020); DFSI (2017); GA (2011); ASGC (2006)



\\Emmsvr1\emms\Jobs\2019\H190811 - Bango Wind Farm IEA\GIS\02 Maps\G002 Project\layout 20200121 01.mxd 21/01/2020



- KEY**
- Turbine location
  - Main road
  - Local road
  - - - Vehicular track
  - Named watercourse
  - Waterbody
  - Cadastral boundary

Source: EMM (2020); DFSI (2017); GA (2011); ASGC (2006)

Project layout

CWP Renewables Pty Ltd  
Bango Windfarm audit  
Figure 1.2



### 1.2.1 Site environmental management

An Environmental Management Strategy (EMS) has been prepared and was approved by DPIE in March 2019 to satisfy the requirements of the Development Consent and to demonstrate environmental due diligence.

The EMS and other plans required by the conditions of consent, provide guidance to the Project Manager, Mr. Jonathan Post, employees and contractors on the current environmental requirements of the project. Implementation of the EMS on site is the responsibility of the project manager.

### 1.3 Audit objectives

The objective of the 2020 IEA is to obtain an independent and objective assessment of the pre-construction and initial construction phase environmental compliance status of the project over the first six months of construction.

In accordance with Condition 6, Schedule 4 of development consent SSD 6686 an independent environmental audit is required within six months of the commencement of construction, and every three years thereafter, unless the Secretary directs otherwise.

### 1.4 Audit scope

The 2020 IEA was undertaken in accordance with the Department of Planning and Environment (DPE, now DPIE) *Independent Audit Post Approval Requirements June 2018*. Specifically, the audit must meet the consent conditions detailed in Table 1.1.

**Table 1.1** Relevant conditions of the IEA

Condition number	Condition requirements	Section of document
Schedule 4 6.	<i>Within 6 months of the commencement of construction, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the development. These audits must:</i>	This document
a)	<i>be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;</i>	Section 2.1
b)	<i>be carried out in consultation with the relevant agencies;</i>	Section 2.5
c)	<i>assess whether the development complies with the relevant requirements in this consent, and any strategy, plan or program required under this consent; and</i>	This document
d)	<i>recommend appropriate measures or actions to improve the environmental performance of the development and any strategy, plan or program required under this consent.</i>	Section 4
	<i>Within 3 months of commencing an audit, or unless otherwise agreed by the Secretary, a copy of the audit report must be submitted to the Secretary, and any other NSW agency that requests it, together with a response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations.</i> <i>The recommendations must be implemented to the satisfaction of the Secretary.</i>	This document

The 2020 IEA was also carried out generally in accordance with *ISO 19011:2002- Guidelines for Quality and/or Environmental Systems Auditing* to meet the requirements outlined in Schedule 4, Condition 6 of the development consent.

The audit team consulted with CWP Renewables staff, DPIE, Environment Protection Authority (EPA), Hilltops and Yass valley Councils to obtain their input into the scope of the IEA.

Specifically, the scope of the IEA considered compliance with:

1. Conditions of the development consent, and other licenses and approvals required under the consent:
  - a) Schedule 2: Administrative conditions (1–23);
  - b) Schedule 3 Environmental Conditions- General (1–37);
  - c) Schedule 4 Environmental Management, reporting and Auditing (1–7);
2. Assessment and review of environmental predictions and conclusions in:
  - Environmental Impact Statement (EIS) Proposed Development of Bango Wind Farm Southern Tablelands NSW, Volume 1 September 2016 (CWP Renewables 2016);
3. Review of effectiveness of environmental management against management measures outlined in Bango Wind Farm’s site management plans, including:
  - Bango Wind Farm Biodiversity Management Plan June 2019 (CWP Renewables 2019);
  - Bango Wind Farm Environmental Management Strategy May 2019 (CWP Renewables 2019);
  - Bango Wind Farm Heritage Management Plan June 2019 (CWP Renewables 2019);
  - Bango Wind Farm Pollution Incident Response Management Plan EPL 21826 (CWP Renewables 2019);
  - Bango Wind Farm Traffic Management Plan June 2019 (CWP Renewables 2019); and
  - Bango Wind Farm Superb Parrot Conservation Research Plan June 2019 (CWP Renewables 2019).

Focus area(s) nominated from consultation undertaken are included in Section 2.5.

## 1.5 Audit period

The 2020 IEA assessed the environmental performance and compliance status of the Bango Wind Farm operations from approval of the project by the NSW Land and Environment Court in December 2018. Commencement of construction occurred in August 2019 and was ongoing at the time of the site inspection in December 2019.

## 1.6 Report structure

**Chapter 1** provides an introduction, including an overview of the Bango Windfarm and the activities that have occurred during the audit period. This section also illustrates the audit objectives, scope and auditing period.

**Chapter 2** provides information on the audit methodology, audit team, the approval and documents that have been audited, the audit activities that have occurred and the assessment criteria.

**Chapter 3** provides the findings of the audit with regards to site management, environmental systems and compliance with the development consent.

**Chapter 4** summarises the recommendations of the audit in response to identified non-compliances and potential areas for improved performance.

**Appendix A** Independent Audit Compliance Table.

**Appendix B** Planning Secretary Endorsement.

**Appendix C** Consultation.

**Appendix D** Photographs.

## 2 Audit methodology

### 2.1 Selection and endorsement of audit team

This is an 'independent' audit, meaning that the auditor must be endorsed by the Secretary of DPIE prior to conduct the audit. Therefore, the auditors qualifications and statement on their independence from the site were submitted to DPIE and approval was obtained on 12 of December 2019 (refer Appendix B) for David Bone and Claire Burnes.

### 2.2 Independent audit scope development and compliance evaluation

The 2020 IEA of the Bango Windfarm has been carried out in accordance with the *Independent Audit Post Approval Requirements June 2018* (DPIE 2018) and in reference to *AS/NZS ISO 19011.2014- Guidelines for Auditing Management Systems*.

The audit scope has been developed by the auditing team David Bone, Claire Burnes and Jessica Bowditch, with assistance from CWP Renewables staff and the Bango Wind Farm development team, and includes the development consent and all associated management plans, permits and approvals relevant to the project.

### 2.3 Site inspection

A site inspection was undertaken on 17<sup>th</sup> December 2019 by the audit team and CWP Renewables environmental manager and the Bango Wind Farm development team (CWP Renewables and Downer). The site inspection covered all active and completed areas of the project. Given the short time since construction commencement, four months, the following works had been undertaken:

- the site access off Lachlan Valley Way and Tangmangaroo Road had been established;
- main road alignment and drainage works had commenced with approximately 10 km under various levels of construction;
- preparation of hardstand areas for the main construction compound and concrete batch plant, water storage area and laydown deliver and assembly area;
- major earthworks for the transmission sub-station; and
- preliminary works on pole erection for the transmission line between the transmission sub-station and the NSW power grid tower line.

### 2.4 Site interviews

Interviews of staff directly associated with the construction works occurring on site were undertaken during a workshop following site inspections. Records to support the environmental compliance with the approval, approved plans and strategies were generally supplied during the workshop. Documents not able to be viewed during the workshop were provided separately for review.

### 2.5 Consultation

Consultation with Department of Planning, Industry and Environment (DPIE), NSW EPA, Hilltops and Yass Valley Council was undertaken as part of the audit process prior to the site inspection and review of records. Feedback from the agencies where responses were received are included in Appendix C.

In summary issues raised were:

- transportation, road upgrades and traffic;
- sediment and erosion control and associated potential for water pollution, specifically associated with watercourse crossings, road construction and construction of turbine bases;
- dust, generally associated with truck movements on unformed roads; and
- noise, from concrete batching/pouring.

## 2.6 Compliance status descriptors

The audit has been undertaken in consideration of the following compliance status descriptors, which is consistent with the *Independent Audit Post Approval Requirements* (DPE 2018):

- **Compliant** – the auditor has collected sufficient verifiable evidence to demonstrate that all elements of the requirement have been complied within the scope of the audit;
- **Non-compliant** – the auditor has determined that one or more specific elements of the conditions or requirements have not been complied within the scope of the audit; and
- **Not triggered** – a requirement has an activation or timing trigger that has not been met at the time when the audit is undertaken, therefore an assessment of compliance is not relevant.

In addition to the compliance status descriptors, the auditor may make such observations and notes, including identifying any opportunities for improvement, as they see fit in relation to any compliance requirement or any other aspect of the development.

# 3 Audit findings

## 3.1 Approvals and documents audited

The following documents have been reviewed in undertaking the audit and in assessing compliance against relevant development consent conditions, approved plans and the performance and effectiveness of environmental management measures implemented during the audit period:

- Development Consent DA 6686, issued under Section 4.38 of the EP&A Act;
- CWP Renewables 2016, Environmental Impact Statement, Proposed Development of Bango Wind Farm Southern Tablelands NSW, Volume 1 September 2016
- NSW EPA, Environment Protection Licence Number 21286 BWF Nominees Pty Ltd, dated 1 July 2019;
- Environmental management systems and plans:
  - CWP Renewables 2019 Bango Wind Farm Biodiversity Management Plan June 2019;
  - CWP Renewables 2019 Bango Wind Farm Environmental Management Strategy May 2019;
  - CWP Renewables 2019 Bango Wind Farm Heritage Management Plan June 2019;
  - CWP Renewables 2019 Bango Wind Farm Pollution Incident Response Management Plan EPL 21826 July 2019;
  - CWP Renewables 2019 Bango Wind Farm Traffic Management Plan June 2019; and
  - CWP Renewables 2019 Bango Wind Farm Superb Parrot Conservation Research Plan June 2019;
- Statutory correspondence:
  - Brett Lane & Associates email to CWP dated 8 February 2019, Bango Wind Farm- BBAMP and baseline survey requirements;
  - CASA email to CWP dated 23 May 2019, Reply - Bango Wind Farm- lighting review;
  - CWP email to CASA dated 23 May 2019, Bango Wind Farm - Request for CASA Review;
  - CWP email to CASA dated 6 June 2019, Bango Wind Farm- Lighting Review;
  - CWP email to DPIE dated 30 January 2019, Bango Wind Farm SSD6686 - Condition 3.09;
  - CWP email to DPIE dated 9 April 2019, Bango Wind Farm SSD8868- condition 3.24 Heavy and Over-Dimension Vehicle Routes;
  - CWP email to DPIE dated 15 August 2019, Bango Wind Farm (SSD6686)- Notification of construction commencement;
  - CWP email to Hilltops Council dated 14 August 2019, Bango Windfarm Dilapidation Survey;

- CWP email to Hilltops Council dated 15 August 2019, Bango Wind Farm (SSD6686) - Notification of construction commencement;
- CWP email to Yass Valley Council dated 15 August 2019, Bango Wind Farm (SSD6686) Notification of construction commencement;
- CWP letter to Yass Valley Council dated 30 July 2019, SSD 6686 - Bango Wind Farm Pty Ltd - Road Dilapidation Survey;
- CWP email to DPIE dated 9 April 2019, Bango Wind Farm - SSD6686 - vehicle route for Secretary's agreement;
- CWP internal email correspondence dated 13 December 2019, BWF\_road upgrades per CoA 3.25;
- DEE email to CWP dated 9 April 2019, Bango Wind Farm SSD6686- consultation of draft BBAMP;
- DPI email to CWP dated 18 February 2019, Advice of Termination of Holding, Bango Wind Farm Pty Ltd;
- DPIE email to CWP dated 27 July 2019, Bango Wind Farm (SSD6686)\_Approved transport routes;
- DPIE letter to CWP dated 15 July 2019, Bango Wind Farm (SSD 6686);
- DPIE letter to CWP dated 7 June 2016 Bango Wind Farm (SSD 6686) Environmental Management Strategy;
- DPIE email to CWP dated 23 June 2019, Bango Wind Farm (SSD6686) - Final Layout Plan for Secretary approval;
- DPIE email to CWP dated 24 May 2019, Bango Wind Farm (SSD 6686) - Heavy and Over-Dimensional Vehicle Routes;
- DPIE email to CWP dated 24 June 2019, Bango Wind Farm (SSD6686) - Heritage Management Plan;
- DPIE letter to CWP dated 8 February 2019, Bango Wind Farm (SSD 6686) - Heritage Management Plan-endorsement;
- DPIE letter to CWP dated 18 June 2019, Bango Wind Farm (SSD 6686) - Management Plans;
- DPIE email to CWP dated 20 February 2019, Condition 2.9 micro-siting restrictions for wedge-tailed eagle;
- Eco logical Australia letter to CWP dated 10 May 2019, Bango Wind Micro-siting Biodiversity;
- Eco logical Australia letter to CWP dated 15 April 2019, Bango Wind Farm - biodiversity offset credit liabilities;
- Eco logical Australia letter to CWP dated 19 December 2019, Bango Wind Farm - final biodiversity offset credit liabilities;
- Icubed Consulting email to CWP dated 4 July 2019, Dilapidation Surveys;

- NSW Archaeology email to CWP dated 19 March 2019, Bango;
- OEH email to CWP dated 12 April 2019, Bango WF;
- OEH email to CWP dated 12 April 2019 Bango WF;
- OEH email correspondence with CWP dated 7 May 2019, Bango Wind Farm (SSD 6686) - draft BMP for consultation;
- OEH email to CWP dated 8 May 2019, response Bango draft BBAMP consultation;
- OEH letter to CWP dated 8 May 2019, Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan;
- RMS letter to CWP dated 23 September 2019, Bango Windfarm Intersection Works, Lachlan Valley Way Notice of Practical Completion;
- RMS email to CWP dated 7 May 2019, Bango Wind Farm Draft Traffic Management Plan - SWT12/00141; and
- Spectrum Engineering Australia email to CWP dated 19 February 2019, Bango Wind Farm - comms link;
- Maintenance/service records:
  - Video Footage: Tangmangaroo and Wargeila (CWP) 2019;
- Surveys/boundary evidence:
  - Bango Wind Farm External Intersection for CWP Renewables, Site Entry 1- Locality Plan, Rev B, Icubed Consulting dated 17 April 2019;
  - Bango Wind Farm Pty Ltd, Final Layout Plan 080811, Rev B, Ver 1, dated 15 May 2019;
  - Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP);
  - Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP);
  - Bango Wind Farm, Site Land and Turbine Locations - Kangiara, Rev A, Ver 1 dated 30 April 2019 (CWP);
  - Bango Wind Farm, Site Land and Turbine Locations - MT Buffalo, Rev A, Ver 1 dated 30 April 2019 (CWP);
  - Bango Wind Farm, Shadow Flicker - 46 Micro sited locations (Rev 6), Ver 1, dated 14 May 2019;
  - Bango Wind Farm, Due Diligence - Zoom 1 Map 2 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Due Diligence - Zoom 2 Map 3 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Due Diligence - Zoom 3 Map 4 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Due Diligence - Zoom 4 Map 5 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);

- Bango Wind Farm, Wedge Tailed Eagle's Nest - discovered Dec 2018, Rev A, Ver 1, dated 19 February 2019;
- Bango Wind Farm- MOS Part 139 Lighting Layout Design, dated 2019 (CWP);
- Bango Wind Farm, Due Diligence - Turbines within 100m of Approved locations, Rev B, Ver 1 dated 29 April 2019; and
- SHADOW- Main Result, 181009\_BAN\_Shadow flicker, dated 14 May 2019, windPRO;
- Complaints and Incident documentation:
  - Bango Wind Farm Pty Ltd, Complaints Register, last updated December 2019 (CWP);
- Agreements:
  - Bango Wind Farm, Planning Agreement between Yass Valley Council and Bango Wind Farm dated 28 June 2018;
  - Bango Wind Farm, Planning Agreement between Hilltops Council and Bango Wind Farm, received 10 September 2018;
  - Bango Wind Farm, Option to Purchase Agreement - Inclusion of additional lots, Malcolm and Erica Curthoys, dated 30 January 2019;
  - Deed of Variation Neighbour Agreement between Ashley Francis Wilson (Landowner) and Bango Wind Farm (Developer), dated 11 April 2019 (Thomson Geer Lawyers);
  - Licence and Option Agreement Bango Wind Farm, Thomas Charles Gunthorpe and Bango Wind Farm dated 14 May 2018;
  - Wind Farm Neighbour Agreement between Bango Wind farm (Developer) and Phillip Lo Conte, Elisa Lo Conte & Anthony Lo Conte (Landowner) dated 24 July 2018 (CWP);
  - Wind Farm Neighbour Agreement between Bango Wind Farm (Developer) and Margaret Mary Dwyer and Mary Jennifer Anne Dwyer (Landowner) dated 23 January 2019 (CWP);
  - Wind Farm Neighbour Agreement between Bango Wind Farm (Developer) and Roger Stephen Lembit and Susan Hemsley (Landowner) dated 4 December 2018 (CWP);
  - Licence Roads Act 1993 - Section 147, Bango Wind Farm Pty Ltd, dated 26 June 2018;
  - Licence Roads Act 1993 - Section 152A, Bango Wind farm Pty Ltd, dated 19 February 2019;
  - Advice of Termination of Holding, Bango Wind Farm Pty Ltd, Department of Industry dated 18 February 2019; and
  - Grant of Licence Number LN 602734, Bango Wind Farm Pty Ltd, Department of Industry dated 20 February 2019;
- Other reports:

- Airspace Design Solutions, Bango Wind Farm Aviation Hazard Lighting Assessment, dated 22 May 2019;
- Australian Government Civil Aviation Safety Authority (CASA), Bango Wind Farm - Request for CASA Review, dated 23 May 2019;
- Bango sites demarcation, March 2019 (NSW Archaeology);
- Bango Wind Farm Pre-Construction Dilapidation Survey - Local Roads, Icubed Consulting dated 30 July 2019;
- Bango Wind Farm, Revised Environmental Noise Assessment S3958C16 October 2018 (Sonus Pty Ltd 2018);
- Bango Wind Farm, 2nd Supplementary Environmental Noise Assessment, dated October 2018;
- Bango Wind Farm, Comparison of biodiversity impacts for 71 versus 49 WTG layout (Eco Logical Australia 2018);
- Bango Wind Farm, Turbine Distance of Microsited against approved locations, Rev 06 (CWP excel spreadsheet 2019);
- BWF Microsited turbines justification (CWP excel spreadsheet 2019);
- CWP Turbine Distance from Wedge-tailed eagle nest (2019);
- Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2019;
- EPC Monthly Report, Bango Wind Farm October 2019, issued 12 November 2019;
- Bango Wind Farm Post Approval Review, dated 4 June 2019, DPIE; and
- Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019;
- Website:
  - <https://bangowindfarm.com.au/>.

## 3.2 Compliance performance

This 2020 IEA has found that the wind farm is currently being constructed generally in compliance with the development consent and approved plans. The following sections outline the findings EMM encountered during the audit.

### 3.3 Non-compliances

No non-compliances were identified in this audit period.

**Table 3.1 Non-compliances recorded during 2020 audit**

Condition	Audit findings	Recommendations
NIL	N/A	NIL

### 3.4 Previous audit recommendations

This is the first independent environmental audit that has been triggered and therefore there are no previous recommendations.

### 3.5 Environmental performance

The 2020 IEA found that the operation of the Bango Wind Farm is being undertaken generally in accordance with the development consent. The wind farm site team demonstrated a very solid appreciation, knowledge and commitment to the site's statutory obligations and to the implementation of environmental management controls. Evidence of systems to control the construction of the project were observed to be in place. Examples of extracts of the documents and forms reviewed are included in Appendix D.

### 3.6 Complaints

CWP Renewables stated that when a complaint is received, it is logged electronically and investigated by the Project Manager and provided to relevant agencies where required.

The Bango Wind Farm complaints register was sighted by the audit team. There were no complaints recorded in the register as of December 2019. The complaints can be received via the Project complaints line on (02) 1300 634 865, via email at [info@bangowindfarm.com.au](mailto:info@bangowindfarm.com.au) or via post at PO Box 731 Jamison Centre ACT 2614.

### 3.7 Incidents

#### 3.7.1 Notifiable incidents

No incidents where reporting would have been required occurred during the audit period. The main activities occurring at the site during the audit which could cause potential incidents included:

- clearing of project areas;
- road construction;
- ancillary site construction, and
- operation of temporary offices.

The Pollution Incident Response Management Plan (PIRMP) was not required to be activated or triggered during this audit period.

All environmental incidents and responsive actions will be recorded in an Incident Register and reported at Project management meetings. All incidents must be closed out to the satisfaction of the Project Environmental Officer and the Project Manager.

No notifiable incidents were noted by the audit team during review of the information available to the audit team.

### 3.8 Actual versus predicted environmental impacts

The documentation sighted by the audit team indicates that the impacts of the wind farm construction are generally consistent with the predicted environmental impacts identified in the environmental approval documentation. The primary documentation reviewed which supports the audit findings includes:

- Bango Wind Farm Biodiversity Management Plan June 2019 (CWP Renewables 2019);
- Bango Wind Farm Environmental Management Strategy May 2019 (CWP Renewables 2019);
- Bango Wind Farm Heritage Management Plan June 2019 (CWP Renewables 2019);
- Bango Wind Farm Pollution Incident Response Management Plan EPL 21826 (CWP Renewables 2019);
- Bango Wind Farm Traffic Management Plan June 2019 (CWP Renewables 2019);and
- Bango Wind Farm Superb Parrot Conservation Research Plan June 2019 (CWP Renewables 2019).

The large road corridor available for locating access roads on the project, has allowed large amounts of vegetation, including hollow bearing trees, rocky outcrop habitat and dense tree areas to be avoided. The clearing required for the establishment of roads on the project has been minimal during the initial 10 km installed as a result of good management and a combined approach to the design and alignment of roads prior to construction.

### 3.9 Management Plans

#### 3.9.1 Biodiversity Management Plan

Compliance with the Biodiversity Management Plan (BMP) was assessed for the stage of the project being undertaken at the time of the audit. No non-compliances were identified with the requirements of this plan.

#### 3.9.2 Biodiversity Offset

The offsets required as part of the approval condition 3.18 were not finalised at the time of the audit. CWP have had the offset requirements calculated and submitted to DPIE on 15 April 2019 and consulted with OEH in June 2019. In a letter dated 15 July 2019, DPIE outlines that OEH has indicated that they were not in a position to provide necessary feedback in sufficient time to meet relevant project timeframes. Consequently, CWP asked for a 6-month extension to resolve and submit calculations and recommendations to DPIE which was approved. A final calculations report has been prepared December 2019. CWP have received a further extension to this timeframe to allow OEH to assess the application. Once assessed and agreed, the offset plan should be updated and posted on the website.

*Audit Finding: Finalisation of the biodiversity offsets should be progressed in accordance with the extensions of time granted to the project. Updated documents relating to this process should be added to the website in accordance with the approval requirements. Sensitive information on threatened species, including locations and commercial information should be redacted from these documents prior to placement on the website.*

### 3.9.3 Environmental Management Strategy

The Environmental Management Strategy (EMS) dated May 2019 was prepared and approved in accordance with Schedule 4, Condition 1 of the development Consent (DA-6686), which requires the following:

1. Prior to the commencement of construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:
  - a) provide the strategic framework for environmental management of the development;
  - b) identify the statutory approvals that apply to the development;
  - c) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;
  - d) describe the procedures that would be implemented to:
    - keep the local community and relevant agencies informed about the operation and environmental performance of the development;
    - receive, handle, respond to, and record complaints;
    - resolve any disputes that may arise;
    - respond to any non-compliance;
    - respond to emergencies; and
  - e) include:
    - copies of (or reference to) any strategies, plans and programs approved under the conditions of this consent; and
    - a clear plan depicting all the monitoring to be carried out in relation to the development, including a table summarising all the monitoring and reporting obligations under the conditions of this consent.

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

In review of the EMS, CWP Renewables and the Contractor have developed an environmental induction and awareness program that is designed to provide the workforce (including subcontractors) with the knowledge and skills necessary to achieve appropriate level of environmental management during operation whilst on site. The site induction was reviewed and was noted to cover all aspects required. Records of project staff's training in the induction was also viewed.

Safe Work Method Statements (SWMS) are prepared for key components of the construction to address all aspects of the approval requirements, safe work methodology and any competencies required. The Earthworks and Pavements (SWMS 01) was reviewed and the relevant staff were also noted to be signed onto the SWMS indicating they have been informed of the requirements in the SWMS.

Additional SWMS for construction (ie concrete batching, turbine erection, cabling) will be prepared for the relevant stages.

Evidence was sighted by the audit team of:

- implementation of CWP Renewables Environmental Policy;
- approval and management of EPC Contractor;
- delivery of the Project in accordance with this EMS and associated plans;
- review and approval of Project Design Changes,;
- adequate resources to allow the implementation of the Project EMS;
- the non-conformance process and proposed actions to avoid or minimise potential environmental impacts;
- project personnel attending an environmental site induction prior to commencing work; and
- regular project team meetings.

*Audit Finding: Water sources for the project are extremely limited in current climatic conditions. Current sources include surface water dams and potable water from council resources, which are under increasing pressures. EMM recommends CWP to assess and determine another viable and efficient water source for use during the construction phase. It is understood that there was sufficient water available prior to the commencement of construction.*

### 3.9.4 Heritage Management Plan

In accordance with Schedule 3, Condition 23, CWP Renewables has prepared a Heritage Management Plan (HMP) dated June 2019. The HMP as outlined by DA 6686, requires the following by the proponent:

1. Prior to the commencement of construction, the Applicant must prepare a Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:
  - a) be prepared by a suitably qualified and experienced person whose appointment has been endorsed by the Secretary;
  - b) be prepared in consultation with OEH and Aboriginal stakeholders;
  - c) include up to date baseline mapping of the heritage items within and adjoining the development disturbance area;
  - d) include a description of the measures that would be implemented for:
    - protecting Aboriginal heritage items identified in Table 1 in Appendix 6 and any items located outside the project disturbance area;
    - minimising and managing the impacts of the development on heritage items identified in Table 2 in Appendix 6;
    - a contingency plan and reporting procedure if:
      - Aboriginal heritage items outside the approved disturbance area are damaged;
      - previously unidentified Aboriginal heritage items are found; or
      - Aboriginal skeletal materials is discovered;

- ensuring workers on site receive suitable heritage inductions prior to carrying out any development on site, and that records are kept of these inductions;
  - ongoing consultation with Aboriginal stakeholders during the implementation of the plan;
- e) a program to monitor and report on the effectiveness of these measures and any heritage impacts of the project.

Following the Secretary's approval, the Applicant must implement the Heritage Management Plan.

The plan is being implemented as per the above requirements across the site during the construction phase. All required sites are fenced and delineated where they are within the construction corridor. The site induction review identified that heritage elements are included as required. Due to the wide corridor approved for the road alignments to be constructed in (200 m), impacts to heritage items have been able to be avoided to date.

Issued for Construction (IFC) drawings supplied for the works show the only heritage site where interaction was possible in the initial access road construction undertaken at the time of the audit (Site BWF SU16/L1) has been avoided (IFC Drawing BNWF-CV-LAY-00-93-002).

### 3.9.5 Pollution Incident Response Management Plan

The Pollution Incident Response Management Plan (PIRMP) for the project was developed in July 2019 prior to construction commencing. The PIRMP covers the construction activities and refers to the Environment Protection Licence 21826. The plan is required to be tested annually and within six (6) months of construction commencement of in accordance with the POEO Act 1997 requirements.

The plan had not been required to be implemented at the time of the audit. Testing of the plan was not documented in accordance with section 15 of the plan. The PIRMP is required to be tested by the end of February 2020 to ensure compliance with the PIRMP.

The plan had not been tested at the time of the audit. The plan requires updating to reflect the site personnel present and the stage of construction. It is noted that the plan complies with the requirements of the POEO Act 1997. Testing and updating of the plan should occur as soon as possible and be recorded in the plan.

*Audit Finding: The PIRMP requires testing initially within six (6) months of the commencement of construction and then annually. No evidence of the plan being testing was provided and the plan requires updating to reflect the site personnel present and the stage of construction underway.*

### 3.9.6 Traffic Management Plan

The Traffic Management Plan was prepared in June 2019 prior to construction commencing. The document contains all correspondence with relevant agencies and stakeholders on the traffic controls to be implemented for the project. For the works occurring at the time of the audit, no non-compliances were identified with the traffic plan. Hilltop Council were consulted on the project prior to the audit and confirmed that all traffic management requirements were being implemented and that the intersection upgrade of Lachlan Valley Way was complete to council satisfaction. The works on the Tangmangaroo intersection had been completed at the time of the site inspection. Community minutes from November 2019 note that this road is only crossed by the wind farm in an east-west direction and will not be used in general for construction of the wind farm. It is considered an emergency access point for the project when required.

CWP has provided all documentation to relevant authorities. The final TMP complies with the condition and within Appendix 8 for a route that involves over-dimensional vehicles travelling from Port Kembla to the Hume Highway and onto the Lachlan Valley Way, accessing the project from the south.

In a letter dated 9 April 2019, CWP requested agreement from the Secretary to allow vehicles other than over-size and over mass (as defined in Section 4.2 of Appendix 14 of the EIS 2016) to be able to use the Lachlan Valley Way to access the site from the North. CWP has outlined all vehicle movements within the TMP.

At the time of this audit, consultation was still taking place with DPIE and access arrangements as per request is yet to be approved. However, EMM identifies this condition as compliant, due to the TMP addressing the condition requirements for the current access arrangements. EMM note that should access be required from the North that additional supporting information would need to be provided to DPIE.

CWP has provided and consulted with relevant councils, RMS and has received approval for practical completion of intersection works from RMS dated 23 September 2019 and an Engineering Compliance Certificate from Yass Valley Council. This has also been provided as proof of communication, with the Bango October Monthly Report. It is noted on the 31 October 2019, Yass Valley Council approved with the Tangmangaroo Intersection works and CWP could proceed with the works beyond Tangmangaroo Road.

### 3.9.7 Superb Parrot Conservation Research Plan

This plan has been prepared and is being implemented. The plans actions are being implemented as required at the time of the audit.

### 3.9.8 Other matters

#### **VISUAL IMPACT**

Design approved prior to construction with baseline assessment as part of the EIS. No turbine footings had been constructed at the time of the audit. All aspects compliant at the time of the audit.

#### **WASTE MANAGEMENT**

Waste management is undertaken across the site by the EPM contractor. Waste separation at the source for recycling was evident across the site. No issues were identified with current waste management practices at the site and the conditions of approval (3.34) were considered to be compliant at the time of the audit.

#### **COMMUNITY**

In accordance with Schedule 4, Condition 3, CWP must conduct the following:

1. The Applicant must operate a Community Consultative Committee (CCC) for the development to the satisfaction of the Secretary and in accordance with the *Community Consultative Committee Guidelines for State Significant Project (2016)*, or its latest version.

As outlined in the EMS 2019, external communication is between the Project and external stakeholders such as neighbours, the wider community, government agencies and general public. External communication methods include: Project website, social media, advertisements, letters, emails and information/complaints telephone line.

The Principal Project Manager (Mr Jonathon Post) is the primary point for contact for all external communication throughout construction. The primary contact during operations, once commenced, will be determined prior to the commencement of that stage.

The Project website is one of the core external communication tools. It is regularly updated with the Project status and will make publicly available copies of documents specified in Schedule 4, Condition 7 of the development consent. These documents include:

- EIS;

- final layout plans for the development;
- current statutory approvals for the development (including relevant management plans required by the approvals);
- the proposed staging plans for the development if the construction, operation or decommissioning of the development is to be staged;
- a comprehensive summary of the monitoring results of the development which have been reported;
- a complaints register;
- minutes of CCC meetings;
- an annual statement of compliance with the EPL;
- any independent audit report and the response to findings of the audit report; and
- any other matter required by the Secretary.

Additionally, CWP has outlined the project will maintain a social media presence to keep the broader community informed about the Project, its progress and any matters that may impact on the community such as scheduled roadworks. External communication commenced during the site identification phase and will continue until the Project is decommissioned.

To date no complaints have been received by the project and no complaints were raised in relation to the project during pre-audit consultation with agencies. Community meetings are held in line with the requirements of the approval and minuted as well as published on the web site.

The annual statement of compliance with the EPL conditions was not due at the time of the audit and once the anniversary date is triggered in July 2020, the compliance statement required in the annual return should be completed and placed on the website.

## **BUSHFIRE**

At the time of the site inspection, correspondence with the rural fire service had occurred in relation to the construction of the wind farm. Radio channels used by the local RFS were inadvertently also in use by the wind farm. Following this being discovered by the project team, alternate channels were chosen and the RFS acknowledged that a site inspection would be undertaken when the fire season permitted to review access points, water storage areas and equipment available in emergency situations. This had not occurred at the time of the audit due to the extreme fire weather persisting in the region. Open communication between the site team and RFS is ongoing and additional fire fighting resources are present on site via water carts, pumps and fire extinguishers.

The actions taken and scheduled to occur at the site are considered to be compliant with the requirements of Schedule 3 condition 32 at the time of the audit.

*Recommendation: The proponent is in consultation with the NSW RFS. CWP is to continue consultation and document evidence of requirements when received.*

# 4 Recommendations

## 4.1 Non-compliances

No non-compliances were identified during the audit.

## 4.2 Opportunities for improvement

The audit has resulted in the following observations and recommendations.

**Table 4.1 Audit Observations and Recommendations**

<b>Condition</b>	<b>Audit findings</b>	<b>Recommendations</b>
PIRMP	PIRMP in place, testing of plan not conducted at time of audit	The PIRMP requires testing initially within 6 months of the commencement of construction and then annually. No evidence of the plan being testing was provided and the plan requires updating for the stage of construction underway.
Schedule 3, Condition 14	Water sources for the project are extremely limited in current climatic conditions	EMM recommends CWP to assess and determine another viable and efficient water source during construction phase. It is understood that there was sufficient water prior to the commencement of construction.
Schedule 3, Condition 18b	Calculation and approval of Biodiversity offset credits for the project	Finalisation of the biodiversity offsets should be progressed in accordance with the extensions of time granted to the project. Updated documents relating to this process should be added to the website in accordance with the approval requirements. Sensitive information on threatened species, including locations and commercial information should be redacted from these documents prior to placement on the website.
Schedule 3, Condition 32	Bushfire consultation with RFS to be finalised	The proponent is in consultation with the NSW RFS. CWP is to continue consultation and document evidence of requirements when received.

## 5 Conclusion

The project is considered to be currently operating in accordance with the approval conditions, management plan requirements, licenses and permits.

EMM would like to thank the assistance of CWP Renewables staff, and it's contractors, for the open and prompt provision of data requested to finalise this audit.

## 6 References

- Airspace Design Solutions, *Bango Wind Farm Aviation Hazard Lighting Assessment*, dated 22 May 2019
- Airspace Design Solutions, *Bango Wind Farm Lighting Review Final* dated 5 February 2019
- Australian Government Civil Aviation Safety Authority (CASA), *Bango Wind Farm - Request for CASA Review*, dated 23 May 2019
- Bango sites demarcation, March 2019 (NSW Archaeology)
- CWP Renewables 2019 *Bango Wind Farm Biodiversity Management Plan* June 2019
- CWP Renewables 2019 *Bango Wind Farm Environmental Management Strategy* May 2019
- CWP Renewables 2019 *Bango Wind Farm Heritage Management Plan* June 2019
- CWP Renewables 2019 *Bango Wind Farm Pollution Incident Response Management Plan EPL 21826* July 2019
- CWP Renewables 2019 *Bango Wind Farm Traffic Management Plan* June 2019
- CWP Renewables 2019 *Bango Wind Farm Superb Parrot Conservation Research Plan* June 2019
- CWP Renewables 2016, *Environmental Impact Statement, Proposed Development of Bango Wind Farm Southern Tablelands NSW*, Volume 1 September 2016
- Department of Industry Grant of Licence Number LN 602734, Bango Wind Farm Pty Ltd dated 20 February 2019
- Development Consent SSD 6686, issued under Section 4.38 of the EP&A Act
- DPE 2018, *Independent Audit Post Approval Requirements*
- ISO 19011:2002- Guidelines for Quality and/or Environmental Systems Auditing*
- Licence Roads Act 1993 - Section 147, Bango Wind Farm Pty Ltd, dated 26 June 2018;
- Licence Roads Act 1993 - Section 152A, Bango Wind farm Pty Ltd, dated 19 February 2019;
- NSW EPA, Environment Protection Licence Number 21286 BWF Nominees Pty Ltd, dated 1 July 2019;
- Correspondence:
- Brett Lane & Associates email to CWP dated 8 February 2019, *Bango Wind Farm- BBAMP and baseline survey requirements*
- CASA email to CWP dated 23 May 2019, *Reply - Bango Wind Farm- lighting review*
- CWP email to CASA dated 23 May 2019, *Bango Wind Farm - Request for CASA Review*
- CWP email to CASA dated 6 June 2019, *Bango Wind Farm- Lighting Review*

CWP email to DPIE dated 30 January 2019, *Bango Wind Farm SSD6686 - Condition 3.09*

CWP email to DPIE dated 9 April 2019, *Bango Wind Farm SSD8868- condition 3.24 Heavy and Over-Dimension Vehicle Routes*

CWP email to DPIE dated 15 August 2019, *Bango Wind Farm (SSD6686)- Notification of construction commencement*

CWP email to Hilltops Council dated 14 August 2019, *Bango Windfarm Dilapidation Survey*

CWP email to Hilltops Council dated 15 August 2019, *Bango Wind Farm (SSD6686) - Notification of construction commencement*

CWP email to Yass Valley Council dated 15 August 2019, *Bango Wind Farm (SSD6686) Notification of construction commencement*

CWP letter to Yass Valley Council dated 30 July 2019, *SSD 6686 - Bango Wind Farm Pty Ltd - Road Dilapidation Survey*

CWP email to DPIE dated 9 April 2019, *Bango Wind Farm - SSD6866 - vehicle route for Secretary's agreement*

CWP internal email correspondence dated 13 December 2019, *BWF\_road upgrades per CoA 3.25*

DEE email to CWP dated 9 April 2019, *Bango Wind Farm SSD6686- consultation of draft BBAMP*

DPI email to CWP dated 18 February 2019, *Advice of Termination of Holding, Bango Wind Farm Pty Ltd*

DPIE email to CWP dated 27 July 2019, *Bango Wind Farm (SSD6686)\_Approved transport routes*

DPIE letter to CWP dated 15 July 2019, *Bango Wind Farm (SSD 6686)*

DPIE letter to CWP dated 7 June 2016 *Bango Wind Farm (SSD 6686) Environmental Management Strategy*

DPIE email to CWP dated 23 June 2019, *Bango Wind Farm (SSD6686) - Final Layout Plan for Secretary approval*

DPIE email to CWP dated 24 May 2019, *Bango Wind Farm (SSD 6686) - Heavy and Over-Dimensional Vehicle Routes*

DPIE email to CWP dated 24 June 2019, *Bango Wind Farm (SSD6686) - Heritage Management Plan*

DPIE letter to CWP dated 8 February 2019, *Bango Wind Farm (SSD 6686) - Heritage Management Plan- endorsement*

DPIE letter to CWP dated 18 June 2019, *Bango Wind Farm (SSD 6686) - Management Plans*

DPIE email to CWP dated 20 February 2019, *Condition 2.9 € micrositing restrictions for wedge-tailed eagle*

Eco logical Australia letter to CWP dated 10 May 2019, *Bango Wind Micro-siting- Biodiversity*

Eco logical Australia letter to CWP dated 15 April 2019, *Bango Wind Farm - biodiversity offset credit liabilities*

Eco logical Australia letter to CWP dated 19 December 2019, *Bango Wind Farm - final biodiversity offset credit liabilities*

Icubed Consulting email to CWP dated 4 July 2019, *Dilapidation Surveys*

NSW Archaeology email to CWP dated 19 March 2019, *Bango*

OEH email to CWP dated 12 April 2019, *Bango WF*

OEH email to CWP dated 12 April 2019 *Bango WF*

OEH email correspondence with CWP dated 7 May 2019, *Bango Wind Farm (SSD 6686) - draft BMP for consultation*

OEH email to CWP dated 8 May 2019, *response Bango draft BBAMP consultation*

OEH letter to CWP dated 8 May 2019, *Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan*

RMS letter to CWP dated 23 September 2019, *Bango Windfarm Intersection Works, Lachlan Valley Way Notice of Practical Completion*

RMS email to CWP dated 7 May 2019, *Bango Wind Farm Draft Traffic Management Plan - SWT12/00141*

Spectrum Engineering Australia email to CWP dated 19 February 2019, *Bango Wind Farm - comms link*

- Maintenance/service records:
  - Video Footage: Tangmangaroo and Wargeila (CWP) 2019.
- Surveys/boundary evidence:
  - Bango Wind Farm External Intersection for CWP Renewables, Site Entry 1- Locality Plan, Rev B, Icubed Consulting dated 17 April 2019;
  - Bango Wind Farm Pty Ltd, Final Layout Plan 080811, Rev B, Ver 1, dated 15 May 2019;
  - Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP);
  - Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP);
  - Bango Wind Farm, Site Land and Turbine Locations - Kangiara, Rev A, Ver 1 dated 30 April 2019 (CWP);
  - Bango Wind Farm, Site Land and Turbine Locations - MT Buffalo, Rev A, Ver 1 dated 30 April 2019 (CWP);
  - Bango Wind Farm, Shadow Flicker - 46 Micro sited locations (Rev 6), Ver 1, dated 14 May 2019;
  - Bango Wind Farm, Due Diligence - Zoom 1 Map 2 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Due Diligence - Zoom 2 Map 3 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Due Diligence - Zoom 3 Map 4 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Due Diligence - Zoom 4 Map 5 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);
  - Bango Wind Farm, Wedge Tailed Eagle's Nest - discovered Dec 2018, Rev A, Ver 1, dated 19 February 2019;

- Bango Wind Farm- MOS Part 139 Lighting Layout Design, dated 2019 (CWP);
- Bango Wind Farm, Due Diligence - Turbines within 100m of Approved locations, Rev B, Ver 1 dated 29 April 2019; and
- SHADOW- Main Result, 181009\_BAN\_Shadow flicker, dated 14 May 2019, windPRO.
- Complaints and Incident documentation:
  - Bango Wind Farm Pty Ltd, Complaints Register, last updated December 2019 (CWP).
- Agreements:
  - Bango Wind Farm, Planning Agreement between Yass Valley Council and Bango Wind Farm dated 28 June 2018;
  - Bango Wind Farm, Planning Agreement between Hilltops Council and Bango Wind Farm, received 10 September 2018;
  - Bango Wind Farm, Option to Purchase Agreement - Inclusion of additional lots, Malcolm and Erica Curthoys, dated 30 January 2019;
  - Deed of Variation Neighbour Agreement between Ashley Francis Wilson (Landowner) and Bango Wind Farm (Developer), dated 11 April 2019 (Thomson Geer Lawyers);
  - Licence and Option Agreement Bango Wind Farm, Thomas Charles Gunthorpe and Bango Wind Farm dated 14 May 2018;
  - Wind Farm Neighbour Agreement between Bango Wind farm (Developer) and Phillip Lo Conte, Elisa Lo Conte & Anthony Lo Conte (Landowner) dated 24 July 2018 (CWP);
  - Wind Farm Neighbour Agreement between Bango Wind Farm (Developer) and Margaret Mary Dwyer and Mary Jennifer Anne Dwyer (Landowner) dated 23 January 2019 (CWP); and
  - Wind Farm Neighbour Agreement between Bango Wind Farm (Developer) and Roger Stephen Lembit and Susan Hemsley (Landowner) dated 4 December 2018 (CWP).
- Other reports:
  - Bango Wind Farm Pre-Construction Dilapidation Survey - Local Roads, Icubed Consulting dated 30 July 2019;
  - Bango Wind Farm, Revised Environmental Noise Assessment S3958C16 October 2018 (Sonus Pty Ltd 2018);
  - Bango Wind Farm, 2nd Supplementary Environmental Noise Assessment, dated October 2018;
  - Bango Wind Farm, Comparison of biodiversity impacts for 71 versus 49 WTG layout (Eco Logical Australia 2018);
  - Bango Wind Farm, Turbine Distance of Microsited against approved locations, Rev 06 (CWP excel spreadsheet 2019);

- BWF Microsited turbines justification (CWP excel spreadsheet 2019);
- CWP Turbine Distance from Wedge-tailed eagle nest (2019);
- Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2019;
- EPC Monthly Report, Bango Wind Farm October 2019, issued 12 November 2019; and
- Bango Wind Farm Post Approval Review, dated 4 June 2019, DPIE.

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Appendix A

# Appendix A- Audit Checklist

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		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
<b>OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT</b>				
2.1	In meeting the specific environmental performance criteria established under this consent, the Applicant must implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation, or decommissioning of the development.	EMS (2016) ; Site inspection; and Site interview	Environmental management is implemented onsite in accordance with the approved environmental management system and site-specific management plans.	Compliant
<b>TERMS OF CONSENT</b>				
2.2	The Applicant shall carry out the development:	Proposed Development of Bango Wind Farm Southern Tablelands, NSW Environmental Impact Statement Volume 1, dated September 2016 (CWP); and	No material inconsistencies identified	Complaint
	(a) generally in accordance with the EIS; and			
	(b) in accordance with the conditions of this consent.	SSD 6686	General accordance	Compliant
	<i>Note: The general layout of the development is shown in Appendix 2.</i>	Appendix 2	Appendix 2 sighted	Compliant
2.3	If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this consent shall prevail to the extent of any inconsistency.	N/A	N/A	N/A
2.4	The Applicant shall comply with any reasonable requirement/s of the Secretary arising from the Department's assessment of:	N/A	No requirements provided	Not triggered
	(a) any strategies, plans, programs, reviews, audits, reports or correspondence that are submitted in accordance with this consent;	N/A	As above	Not triggered
	(b) any reports, reviews or audits commissioned by the Department regarding compliance with this consent; and	N/A	As above	Not triggered
	(c) the implementation of any actions or measures contained in these documents.	N/A	As above	Not triggered
<b>LIMITS ON CONSENT</b>				
<b>Wind Turbines</b>				
2.5	The Applicant may construct, operate and replace or upgrade as necessary up to 46 wind turbines of the 49 wind turbines identified in Appendix 2.	Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP); and Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP)	Final layout site map consistent with requirements	Compliant
2.6	This consent does not authorise the development of wind turbine numbers 17, 19, 21, 25, 26, 28, 36, 45, 48, 53, 55, 59, 62, 65, 69, 71, 72, 79, 81, 83, 86, 91, 95, 102, 111 and 119.	Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP); and Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP)	Final layout site map consistent with requirements	Compliant
	<i>Notes:</i>			
	· To identify the wind turbines, see the figures and corresponding GPS coordinates (for those wind turbines approved) in Appendix 2.	Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP); and Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP)	As above	Compliant
	· To avoid any doubt, the Applicant does not require additional approval to replace or upgrade wind turbines over time, as long as the replacement or upgrade is carried out in accordance with the conditions of this consent.	Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP); and Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP)	As above	Compliant

		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
2.7	No wind turbines may be located within 100 metres of the site boundary, unless otherwise agreed by the adjoining landowner.	<p>Bango Wind Farm Due Diligence Map, REV A, Ver 1 dated April 2019 (CWP);                      Bango Wind Farm, Layout Appendix 2 dated 27 November 2018 (CWP);                      Bango Wind Farm, Site Land and Turbine Locations - Kangiara, Rev A, Ver 1 dated 30 April 2019 (CWP);                      Bango Wind Farm, Site Land and Turbine Locations - MT Buffalo, Rev A, Ver 1 dated 30 April 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 1 Map 2 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 2 Map 3 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 3 Map 4 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 4 Map 5 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Wind Farm Neighbour Agreement between Bango Wind farm (Developer) and Phillip Lo Conte, Elisa Lo Conte &amp; Anthony Lo Conte (Landowner) dated 24 July 2018 (CWP); and                      Wind Farm Neighbour Agreement between Bango Wind Farm (Developer) and Margaret Mary Dwyer and Mary Jennifer Anne Dwyer (Landowner) dated 23 January 2019 (CWP)</p>	<p>Constraint map and final layout map consistent with requirements. Landowner and developer agreements signed and dated between LoCont (Turbine 54 and 58) and Dwyer (89 and 18) - to be reviewed once construction commences.</p>	Compliant
<b>Wind Turbine Height</b>				
2.8	No wind turbines may be greater than 200 metres in height (measured from ground level to the blade tip).	N/A turbine construction not yet commenced	Once turbine construction commences, EMM recommends a review of contractor documentation design and procurement with CWP	Not triggered
<b>Micro-siting Restrictions</b>				
2.9	<p>The Applicant may micro-site the wind turbines and ancillary infrastructure, provided:</p> <p>(a) they remain within the development corridor shown on the figures in Appendix 2;</p> <p>(b) no wind turbine is moved more than 100 metres from the relevant GPS coordinates shown in Appendix 2;</p> <p>(c) wind turbine numbers 76 and 98 in Layout option 1 are not moved any closer to residence 282, unless it ceases to be a non-associated residence;</p>	<p>Bango Wind Farm Due Diligence Map Rev A, Ver 1 dated 29 April 2019 (CWP)</p> <p>Bango Wind Farm Due Diligence Map Rev A, Ver 1 dated 29 April 2019 (CWP)</p> <p>Bango Wind Farm Due Diligence Map Rev A, Ver 1 dated 29 April 2019 (CWP); and                      Bango Wind Farm, Turbine Distance of Microsited against approved locations, Rev 06 (CWP excel spreadsheet 2019)</p> <p>Wind Farm Neighbour Agreement between Bango Wind Farm (Developer) and Roger Stephen Lembit and Susan Hemsley (Landowner) dated 4 December 2018 (CWP)</p>	<p>Sighted evidence of micrositing visit completed 26th and 27th March 2019</p> <p>Due diligence Map dated 29 April 2019 is in general accordance with development corridor as shown in Appendix 2</p> <p>Due diligence Map dated 29 April 2019 showing approved and microsited turbines within 100m of GPS locations</p> <p>Neighbour agreement sighted. Both the developer and landowner have signed, dated 4 December 2018. CWP have noted that neighbour is ceasing to be a non-associated resident in the future. CWP is to follow up on any changes to neighbour contractor and implement associated changes to ensure compliance.</p>	<p>Compliant</p> <p>Compliant</p> <p>Compliant</p> <p>Compliant</p>

		EMM IEA		
Cond. #	SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL	Evidence collected	Audit findings and recommendations	Compliance status
		<p>CWP Turbine Distance from Wedge-tailed eagle nest (2019);                      BWF Microsited turbines justification (CWP excel spreadsheet 2019);                      Correspondence Eco logical Australia to CWP Renewables, Bango Wind Micro-siting - Biodiversity, letter dated 10 May 2019;                      Bango Wind Farm, Wedge Tailed Eagle's Nest - discovered Dec 2018, Rev A, Ver 1, dated 19 February 2019; and                      Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)</p>	<p>New wedge tailed- eagle nest was identified as abandoned, which was discussed with DPIE in an email dated 8 February 2019. Consultation was sighted with DPIE in follow up email dated 20 February 2019. DPIE requested a figure which shows the new nest which will need to be documented in the BMP.                      As such CWP supplied a figure (dated 19 February 2019) to DPIE and effectively outlined revised location of wind turbines and and the corresponding wedge tailed-eagle within BMP (June 2019) (Section 4.1.1). As described in the BMP, Table 4.1, wind turbines will not be micro-sited any closer to the three known wedge-tailed eagle nests (referred to in the SSD6686 as IDs 2, 3 and the newly identified nest). Note the location of the wedge-tailed eagle nests are illustrated in Appendix A - Hollow-bearing Tree.                      If additional wedge-tailed eagle nests are identified during construction, it will be notified to DPE and advice from an ecologist will be sought to ensure impacts are minimised.</p>	Compliant
	(d) the revised location of the wind turbines listed in Appendix 3 are not any closer to the corresponding Wedge-tailed eagle (Aquila audax) nest; and;			
	(e) the revised location of the wind turbine and/or ancillary infrastructure would not result in any non-compliance with the conditions of this consent.	<p>Correspondence from NSW of Planning &amp; Environment to CWP Renewables, Condition 2.9 € micrositing restrictions for wedge-tailed eagle, email dated 20 February 2019; and                      Bango Wind Farm, Wedge Tailed Eagle's Nest - discovered Dec 2018, Rev A, Ver 1, dated 19 February 2019 (CWP)</p>	No non-compliance identified in any revision	Compliant
<b>Staging of the Development</b>				
2.10	The Applicant may construct, operate and decommission the development in stages. Where staging of the development is proposed, the conditions of this consent are only required to be complied with at the relevant time and to the extent that they are relevant to the specific stage(s).	N/A no staging proposed	N/A	Compliant
<b>Final Layout Plans</b>				
2.11	Prior to the commencement of construction, the Applicant shall submit detailed plans of the final layout of the development to the Secretary, including:	<p>Bango Wind Farm, Final Layout Plan Rev B, Ver 1 dated 15 May 2019;                      Bango Wind Farm (SSD 6686), letter from DPIE dated 15 July 2019;                      Correspondence from Department of Planning and Environment to CWP, Bango Wind Farm (SSD6686) - Final Layout Plan for Secretary approval) email dated 23 June 2019</p>	Email correspondence sighted, however formalised approval of final layout of development yet to be sent. Department of Planning to send confirmation	Compliant
(a)	details on the micro-siting of any wind turbines and/or ancillary infrastructure; and	<p>Bango Wind Farm, Due Diligence Map, Rev A Ver 1, dated 29 April 2019;                      Correspondence from Department of Planning and Environment to CWP, Bango Wind Farm (SSD6686) - Final Layout Plan for Secretary approval) email dated 23 June 2019</p>	Details on the micro-siting of wind turbines illustrated on 'Due Diligence Map' dated 29 April 2019, with approved locations	Compliant
(b)	the GPS coordinates of the wind turbines.	<p>Bango Wind Farm, Due Diligence - Zoom 1 Map 2 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 2 Map 3 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 3 Map 4 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      Bango Wind Farm, Due Diligence - Zoom 4 Map 5 of 5, Rev A, Ver 1 dated 21 June 2019 (CWP);                      and                      Correspondence from Department of Planning and Environment to CWP, Bango Wind Farm (SSD6686) - Final Layout Plan for Secretary approval) email dated 23 June 2019</p>	GPS coordinates provided on 'Zoom 2, 3 and 4' dated 21 June 2019	Compliant
	Following approval, the Applicant must ensure that the development is constructed in accordance with the final layout plans.	<p>Site inspection;                      Bango Wind Farm, Final Layout Plan Rev B, Ver 1 dated 15 May 2019; and                      Correspondence from Department of Planning and Environment to CWP, Bango Wind Farm (SSD6686) - Final Layout Plan for Secretary approval) email dated 23 June 2019</p>	No identified issues as of yet	Compliant
2.12	The Applicant may revise the approved final layout plans. Prior to carrying out any such revisions, the Applicant must submit the plans to the Secretary for approval. Following approval, the Applicant must ensure that the development is constructed in accordance with the revised final layout plans.	N/A no other versions/amendments	N/A	not triggered
		N/A no other versions/amendments	N/A	Not triggered
<b>NOTIFICATION</b>				

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
2.13	Prior to the commencement of the construction, operation and/or decommissioning of the development, or the cessation of operations, the Applicant must notify both the Department and the Councils in writing of the date of commencement or cessation.	Bango Wind Farm (SSD6686)- Notification of construction commencement, email from CWP to DPIE, Post approvals, dated 15 August 2019;	Applicant has notified relevant stakeholders in accordance with condition	Compliant
		Bango Wind Farm (SSD6686) - Notification of construction commencement, email from CWP to Hilltops Council, dated 15 August 2019; and		
		Bango Wind Farm (SSD6686) Notification of construction commencement, email from CWP to Yass Valley Council, dated 15 August 2019		
		Bango Wind Farm (SSD6686)- Notification of construction commencement, email from CWP to DPIE, Post approvals, dated 15 August 2019;		
		Bango Wind Farm (SSD6686) - Notification of construction commencement, email from CWP to Hilltops Council, dated 15 August 2019; and		
If the construction, operation and/or decommissioning of the development is to be staged, then the Applicant must:		Bango Wind Farm (SSD6686) Notification of construction commencement, email from CWP to Yass Valley Council, dated 15 August 2020	No staging proposed	Not triggered
		Bango Wind Farm (SSD 6686)- Notification of construction commencement, email from CWP to DPIE, Post approvals, dated 15 August 2019;		
		Bango Wind Farm (SSD6686) - Notification of construction commencement, email from CWP to Hilltops Council, dated 15 August 2019; and		
		Bango Wind Farm (SSD6686) - Notification of construction commencement, email from CWP to Hilltops Council, dated 15 August 2019; and		
		Bango Wind Farm (SSD6686) Notification of construction commencement, email from CWP to Yass Valley Council, dated 15 August 2019		
(a) notify the Department and the councils in writing prior to the commencement of the relevant stage, and clearly identify the development that would be carried out during the relevant stage; and (b) inform the local community and the Community Consultation Committee about the proposed staging plans.		As above.	As above.	Not triggered
<b>STRUCTURAL ADEQUACY</b>				
The Applicant shall ensure that:				
2.14	(a) the wind turbines are constructed in accordance with the relevant standards, including the structural design requirements of IEC 61400-1 Wind turbines – Part 1: Design Requirements (or equivalent).	N/A	No construction of wind turbines to date	Not triggered
		Site inspection	No issues identified	Compliant
		Notes · Under Part 4A of the EP&A Act, the Applicant is required to obtain construction and occupation certificates for the proposed building works. · Part 8 of the EP&A Regulation sets out the requirements for the certification of the development.	NIL	No building yet constructed
<b>DEMOLITION</b>				
2.15	The Applicant must ensure that all demolition work on site is carried out in accordance with AS 2601-2001: The Demolition of Structures, or its latest version.	No demolition works have taken place to date.	N/A	Not triggered
<b>PROTECTION OF PUBLIC INFRASTRUCTURE</b>				
2.16	Unless the Applicant and the applicable authority agree otherwise, the Applicant must: (a) repair, or pay the full costs associated with repairing, any public infrastructure that is damaged by the development; and (b) relocate, or pay the full costs associated with relocating, any public infrastructure that needs to be relocated as a result of the development. This condition does not apply to the upgrade and maintenance of the road network, which is expressly provided for in the conditions of this consent.	N/A	No public infrastructure has been damaged at the time of the audit. Relocation of powerline connection to the substation location had commenced at the time of the audit, due to the limited construction occurring to date. EMM recommends reviewing this condition in line of next audit period.	Not triggered
		N/A	As above	Not triggered
		N/A	As above	Not triggered
		N/A	As above	Not triggered
<b>OPERATION OF PLANT AND EQUIPMENT</b>				
2.17	The Applicant shall ensure that all plant and equipment used on site, or in connection with the development, is:  (a) maintained in a proper and efficient condition; and	Site inspection; and Complaints register	Plant and equipment operating on site currently comply with these requirements, evidence of plant inspections and pre-start checks were viewed by the audit team. EMM recommends that CWP continue this process during the next phases of construction related to turbine footings, crane pads and turbine construction commence.	Compliant
		Site inspection; and Complaints register	As above	Compliant

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
(b)	operated in a proper and efficient manner.	Site inspection; and Complaints register	As above	Compliant
<b>UPDATING AND STAGING OF STRATEGIES PLANS OR PROGRAMS</b>				
2.18	<p>EIS, Proposed Development of Bango Wind Farm Southern Tablelands NSW, Volume I September 2016 (CWP Renewables 2016); Bango Wind Farm Biodiversity Management Plan June 2019 (CWP Renewables 2019); Bango Wind Farm Environmental Management Strategy May 2019 (CWP Renewables 2019); Bango Wind Farm Heritage Management Plan June 2019 (CWP Renewables 2019); Bango Wind Farm Pollution Incident Response Management Plan EPL 21826 (CWP Renewables 2019); Bango Wind Farm Traffic Management Plan June 2019 (CWP Renewables 2019); and Bango Wind Farm Superb Parrot Conservation Research Plan June 2019 (CWP Renewables 2019).</p> <p>With the approval of the Secretary, the Applicant may submit any strategy, plan or program required by this consent on a progressive basis. To ensure the strategies, plans or programs under the conditions of this consent are updated on a regular basis, the Applicant may at any time submit revised strategies, plans or programs to the Secretary for approval. With the agreement of the Secretary, the Applicant may prepare any revised strategy, plan or program without undertaking consultation with all the parties referred to under the relevant condition of this consent.</p> <p>Notes: · While any strategy, plan or program may be submitted on a progressive basis, the Applicant must ensure that all development being carried out on site is covered by suitable strategies, plans or programs at all times. · If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.</p>	<p>Sighted EIS and listed approved management plans. It is noted CWP has stated they do not propose to submit any strategy, plan or program on a progressive basis. EMM recommends, if there is to be any change (ie - staging of plans), CWP is to clearly describe the specific stage, the relationship with plan and the trigger for future update.</p>	Not triggered	
		N/A	No revised strategy, plan or program to date	Compliant
		N/A	As above	Compliant
		N/A	As above	Compliant
		N/A	As above	Compliant
		N/A	As above	Compliant
<b>COMMUNITY ENHANCEMENT</b>				
2.19	<p>Bango Wind Farm, Planning Agreement between Yass Valley Council and Bango Wind Farm dated 28 June 2018; and Bango Wind Farm, Planning Agreement between Hilltops Council and Bango Wind Farm, received 10 September 2018 Bango Wind Farm, Planning Agreement between Yass Valley Council and Bango Wind Farm dated 28 June 2018; and Bango Wind Farm, Planning Agreement between Hilltops Council and Bango Wind Farm, received 10 September 2019;</p> <p>Prior to the commencement of construction, unless the Secretary agrees otherwise, the Applicant shall enter into VPAs with the Councils in accordance with:</p>	<p>Bango Wind Farm, Planning Agreement between Yass Valley Council and Bango Wind Farm dated 28 June 2018; and Bango Wind Farm, Planning Agreement between Hilltops Council and Bango Wind Farm, received 10 September 2019; and SSD6686 Appendix 4</p>	<p>VPAs sighted between Hilltops and Yass Valley Councils, dated prior to the commencement of construction.</p> <p>Consistent with Division 7.1 of Part 7 of the EP&amp;A Act. The VPAs have been developed in accordance with the relevant planning authority (Hilltops and Yass Valley) and the developer (CWP)</p> <p>Consistent with terms outlined in SSD6686, Appendix 4. Both VPAs outline that the monetary contribution will be reviewed on 1 July of each year.</p>	Compliant
(a)	Division 7.1 of Part 7 of the EP&A Act; and			
(b)	the terms of the applicable offer in Appendix 4.			
<b>SUBDIVISION</b>				
2.2	<p>The Applicant may subdivide the land comprising the site for the purposes of carrying out the development, in the following manner: (a) to create a separate freehold title for the purposes of the collector substation from one of the options identified in APPENDIX 9; and (b) to enable registration of long term leases of part of land on any title of the land comprising the site by: (i) registration of plans of subdivision for lease purposes; or (ii) such other manner as may be required under the Conveyancing Act 1919 (NSW) or the NSW Land Registry Services (or its successor), as shown by the lease areas contained in APPENDIX 10, in accordance with the EIS and the requirements of the EP&amp;A Act, EP&amp;A Regulation, Conveyancing Act 1919 (NSW) and the NSW Land Registry Services (or its successor).</p>	N/A	No carrying out of subdivision	Not triggered
	(a)	N/A	As above	Not triggered
	(b)	N/A	As above	Not triggered
	(i)	N/A	As above	Not triggered
	(ii)	N/A	As above	Not triggered
		N/A	As above	Not triggered



		EMM IEA		
Cond. #	SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL	Evidence collected	Audit findings and recommendations	Compliance status
		Australian Government Civil Aviation Safety Authority (CASA), Bango Wind Farm - Request for CASA Review, dated 23 May 2019	<p>General accordance with CASA's requirements. The Final Assessment report by Airspace Design Solutions outlines the following:</p> <ul style="list-style-type: none"> <li>- the proposed Bango Wind Farm is in excess of 30km from any registered or certified aerodrome;</li> <li>- the proposed wind farm is laterally beyond the assessment areas recommended by CASA for safe operations from unlicensed aerodromes; and</li> </ul> <p>No WTG in the amended design will penetrate any OLS or PANS-OPS surface which would define them as an obstacle and therefore may require obstacle lighting.</p> <p>CASA also made the following recommendations:</p> <ul style="list-style-type: none"> <li>- CASA recommends 200 candela low intensity steady red night lighting for the Bango Wind Farm as opposed to 2,000 candelas as recommended by the NASF Guidelines. 200 candela steady red night lighting would be adequate in this location to provide an acceptable level of safety for aircraft operators.</li> <li>- The proponent of the wind farm is reminded that despite CASA comment, the proponent has a duty of care to ensure the development does not present a hazard to aircraft operators. Should aircraft operations near the development change, the proponent must reconsider their duty of care to aircraft operators and the travelling public.</li> </ul> <p>EMM recommends CWP review and comply with requirements if any changes are to take place during construction works.</p>	Compliant
	(b) ensure that any aviation hazard lighting complies with CASA's requirements;	Bango Wind Farm- Lighting Review email correspondence CWP and CASA, dated 6 June 2019	Lighting as advised by CASA is yet to be installed	Not triggered
	(c) ensure that all external lighting associated with the development (apart from any aviation hazard lighting):	Bango Wind Farm- Lighting Review email correspondence CWP and CASA, dated 6 June 2019	As above	Not triggered
	· is installed as low intensity lighting (except where required for safety or emergency purposes);	Bango Wind Farm- Lighting Review email correspondence CWP and CASA, dated 6 June 2019	As above	Not triggered
	· does not shine above the horizontal;	Bango Wind Farm- Lighting Review email correspondence CWP and CASA, dated 6 June 2019	As above	Not triggered
	· uses best management practice for bat deterrence; and	Bango Wind Farm- Lighting Review email correspondence CWP and CASA, dated 6 June 2019	As above	Not triggered
	· complies with Australian Standard AS4282 (INT) 1997 – Control of Obtrusive Effects of Outdoor Lighting, or its latest version.	Airspace Design Solutions, Bango Wind Farm Aviation Hazard Lighting Assessment, dated 22 May 2019	As above	Not triggered
<b>Shadow Flicker</b>				
	The Applicant must ensure that shadow flicker associated with wind turbines does not exceed 30 hours per year at any non-associated residence.			
3.4		<p>Licence and Option Agreement Bango Wind Farm, Thomas Charles Gunthorpe and Bango Wind Farm dated 14 May 2018;</p> <p>Bango Wind Farm, Option to Purchase Agreement - Inclusion of additional lots, Malcolm and Erica Curthoys, dated 30 January 2019;</p> <p>Bango Wind Farm, Shadow Flicker - 46 Micro sited locations (Rev 6), Ver 1, dated 14 May 2019;</p> <p>SHADOW- Main Result, 181009_BAN_Shadow flicker, dated 14 May 2019, windPRO;</p> <p>Deed of Variation Neighbour Agreement between Ashley Francis Wilson (Landowner) and Bango Wind Farm (Developer), dated 11 April 2019 (Thomson Geer Lawyers); and</p>	<p>A shadow flicker assessment was conducted in May 2019 by Wind Prospect. The results outline that more than 30 hours of shadow flicker are predicted for associated receptors. The EIS outlines five of the eight dwellings (four involved and one neighbour) would have more than 30 shadow flicker hours per year, including houses 032, 041, 100, 101 and 119.</p> <p>A neighbour agreement document was sighted, Deed of Variation Neighbour Agreement between Keith Alexander Harvey McClung and Deanna Jane McClung (Landowner) and Bango Wind Farm (Developer), however was not dated or signed by the developer or landowner.</p>	Not triggered
<b>NOISE</b>				
<b>Construction &amp; Decommissioning Noise</b>				

SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL

Cond. #

Evidence collected

EMM IEA

Audit findings and recommendations

Compliance status

3.5	The Applicant must:	Bango Wind Farm, Complaints Register, December 2019 (CWP)	Construction/decommissioning yet to be commenced	Not triggered
	(a) minimise the construction or decommissioning noise of the development, including any associated traffic noise; and (b) ensure that the noise generated by any construction or decommissioning activities is managed in accordance with the best practice requirements outlined in the Interim Construction Noise Guideline (DECC, 2009), or its latest version.	Bango Wind Farm, Complaints Register, December 2019 (CWP)	Construction/decommissioning yet to be commenced	Not triggered
3.6	Unless the Secretary agrees otherwise, the Applicant must only undertake construction or decommissioning activities between:		No construction/operation of wind turbines to date. However, no identified issues of any activities occurring outside the prescribed hours.	Compliant
	(a) 7 am to 6 pm Monday to Friday;	Bango Wind Farm, Complaints Register, December 2019 (CWP)		
	(b) 8 am to 1 pm Saturdays; and			
	(c) at no time on Sundays and NSW public holidays.			
	The following construction activities may be undertaken outside these hours without the approval of the Secretary:	Bango Wind Farm, Complaints Register, December 2019 (CWP)	As above	Compliant
	• activities that are inaudible at non-associated residences;			
	• the delivery of materials requested by the NSW Police Force or other authorities for safety reasons; or	Bango Wind Farm, Complaints Register, December 2019 (CWP)	As above	Compliant
	• emergency work to avoid the loss of life, property and/or material harm to the environment.	Bango Wind Farm, Complaints Register, December 2019 (CWP)	As above	Compliant

**Blasting**

3.7	The Applicant shall only carry out blasting on site between 9 am and 5 pm Monday to Friday and between 8 am and 1 pm on Saturday. No blasting is allowed on Sundays or public holidays.	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	No blasting has occurred at the time of the audit	Not triggered
3.8.	The Applicant shall ensure that any blasting carried out during the construction of the development does not exceed the criteria in Table 1.	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	As above	Not triggered
	Table 1: Blasting criteria	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	As above	Not triggered

Location	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance
Any non-associated residence	120	10	0%
	115	5	5% of the total number of blasts or events over a rolling period of 12 months

**Operational Noise Criteria – Wind Turbines**

3.9	The Applicant must ensure that the noise generated by the operation of wind turbines does not exceed the relevant criteria in Table 2 at any non-associated residence.	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	No construction of turbines or operation to date	Not triggered
		Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	As above	Not triggered

Table 2: Noise criteria dB(A)

Residence	Criteria (dB(A)) with Reference to Hub Height Wind Speed (m/s)									
	3	4	5	6	7	8	9	10	11	12
26, 166	35	35	35	35	35	35	36	38	39	42
60	35	35	35	35	35	35	35	35	37	39
62, 76, 179, 235, 260	36	36	36	37	37	37	37	38	38	40
106, 152, 243	35	35	36	36	37	37	38	39	40	42
144, 276	35	35	35	35	35	35	35	36	37	40
165	35	35	35	35	35	35	36	38	39	42
170	35	35	35	35	35	35	35	35	36	38
282	35	35	35	35	35	35	35	35	35	37
43	35	35	36	37	37	37	37	38	39	40
48	35	35	37	38	39	40	40	41	42	43
138	36	36	36	36	37	37	38	39	40	42
All other non-associated residences	The higher of 35 dB(A) or the existing background noise level (L <sub>90,10-min</sub> ) plus 5 dB(A)									

		Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus); and Bango Wind Farm, 2nd Supplementary Environmental Noise Assessment, dated October 2018	General accordance with condition as outlined in Revised Environmental Noise Assessment dated May 2019.	Compliant
		Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	As above	Compliant

Note: To identify the residences referred to in Table 2, see the applicable figures in Appendix 2.

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
	Noise generated by the operation of the wind turbines is to be measured in accordance with the relevant requirements of the Department's Wind Energy Noise Assessment Bulletin (2016) (or its latest version), and the provisions in Appendix 5. However, these criteria do not apply if the Applicant has an agreement with the relevant owner/s of these residences to generate higher noise levels, and the Applicant has advised the Department in writing of the terms of this agreement.	Predictions have been assessed to confirm criteria is likely to be met for the final layout consisting of GE 5.3-158 with 121m hub height.	Compliant
	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus)	Neighbour agreements sighted and provided to DPIE in email dated 30 January 2019	Compliant
<b>Operational Noise Criteria – Ancillary Infrastructure</b>			
3.10	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus); Bango Wind Farm, 2nd Supplementary Environmental Noise Assessment, dated October 2018; SSD6686 - Appendix 5; and Bango Wind Farm EIS: Appendix 10, Bango Wind Farm Environmental Noise Assessment & Bango Wind Farm Cumulative Environmental Noise Assessment (Sonus)	Sonus conducted an assessment in May 2019, which considered 3 collector substations with either a single 200MVA transformer or 2 100MVA transformers. The results showed that the highest predicted noise level at a non-associated residence from the substations under consideration was 26dB(A).	Not triggered
	The Applicant must ensure that the noise generated by the operation of ancillary infrastructure does not exceed 35 dB(A) $L_{Aeq}(5 \text{ minutes})$ at any non-associated residence.	No construction/operation of wind turbines to date	Not triggered
	Noise generated by the development is to be measured in accordance with the relevant requirements of the NSW Industrial Noise Policy (or its equivalent) as modified by the provisions in Appendix 5.	Bango Wind Farm, Revised Environmental Noise Assessment, dated May 2019 (Sonus); Bango Wind Farm, 2nd Supplementary Environmental Noise Assessment, dated October 2018; SSD6686 - Appendix 5; and Bango Wind Farm EIS: Appendix 10, Bango Wind Farm Environmental Noise Assessment & Bango Wind Farm Cumulative Environmental Noise Assessment (Sonus)	
<b>Operational Noise Monitoring</b>			
3.11	Within 3 months of the commencement of operations (or the commencement of operation of a cluster of turbines, if the development is to be staged), the Applicant must: (a) undertake noise monitoring to determine whether the development is complying with the relevant conditions of this consent; and (b) submit a copy of the monitoring results to the Department and the EPA.	N/A	No commencement of operations to date As above
3.12	The Applicant must undertake further noise monitoring of the development if required by the Secretary.	N/A	As above
<b>AIR</b>			
3.13	The Applicant must: (a) minimise the off-site dust, fume and blast emissions of the development; and (b) minimise the surface disturbance of the site.	Site inspection; Site interview  Site inspection; Site interview	Water cart operation noted across site in active construction areas. Sealed roads in completed sections noted. Due to extreme weather conditions, dust generation from sealed roads noted. Import of water to site being undertaken when water available. Dust observed confined to site and no off site impacts noted. Fill points and water storage areas under construction. Water supply being further investigated.  Limited disturbance of areas under construction noted and areas of intense plant use were noted to have controlled dust levels from use of water carts.
<b>SOIL &amp; WATER</b>			
<b>Water Supply</b>			
3.14	The Applicant must ensure that it has sufficient water for all stages of the development, and if necessary, adjust the scale of the development to match its available water supply. <i>Note: Under the Water Act 1912 and/or the Water Management Act 2000, the Applicant is required to obtain the necessary water licences for the development.</i>	Site inspection; and Site interview  As above	It is noted CWP are currently using potable water and transporting via an off-site catchment source. Given the current water shortages and restriction within NSW, EMM recommends CWP to assess and determine another viable and efficient water source during construction phase. It is understood that there was sufficient water prior to the commencement of construction.  As above
<b>Water Pollution</b>			
3.15	Unless an EPL authorises otherwise, the Applicant must comply with Section 120 of the POEO Act. <i>Note: Section 120 of the POEO Act makes it an offence to pollute any waters.</i>	NSW EPA, Environment Protection Licence Number 21286 BWF Nominees Pty Ltd, dated 1 July 2019	EPL in general accordance and no identified incidents recorded of water pollution matters to date.

		EMM IEA	
Evidence collected	Audit findings and recommendations	Compliance status	
<b>Operating Conditions</b>			
3.16	<p>The Applicant must:</p> <p>(a) ensure the wind turbines and ancillary infrastructure, particularly any access roads on steep slopes, are designed, constructed and maintained to minimise any soil erosion; N/A</p> <p>(b) minimise any soil erosion associated with the construction and decommissioning of the development by implementing the relevant mitigation measures in <i>Managing Urban Stormwater: Soils and Construction</i> (Landcom, 2004), or its latest version; N/A</p> <p>(c) ensure all waterway crossings are constructed in accordance with the:</p> <ul style="list-style-type: none"> <li>Water Guidelines for Controlled Activities on Waterfront Land (2012), or its latest version; and N/A</li> <li>Why Do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (2004), or its latest version; N/A</li> </ul> <p>(d) store and handle all dangerous or hazardous materials on site in accordance with AS1940-2004; N/A</p> <p>(e) ensure the concrete batching plants and substation are suitably bunded; and N/A</p> <p>(f) minimise any spills of hazardous materials or hydrocarbons, and clean up any spills as soon as possible after they occur. N/A</p>	<p>N/A - pre construction phase</p> <p>As above</p>	<p>Not triggered</p>
<b>BIODIVERSITY Restrictions on Clearing and Habitat</b>			
3.17	<p>The Applicant must:</p> <p>(a) ensure that no more than 84.2 hectares (ha) of Box Gum Woodland EEC (LA103), including Box Gum Woodland derived grassland, is cleared for the development, unless the Secretary agrees otherwise;</p> <p>(b) avoid impacts to the known locations of Yass Daisy (<i>Ammobium craspidoides</i>); and</p>	<p>The EIS outlines the removal of up to 83.63 ha of Box Gum Woodland of which 0.26 ha is EPBC Act listed.</p> <p>The BMP outlines the following management measures to ensure compliance with condition:</p> <ul style="list-style-type: none"> <li>- detailed design to avoid eastern patch of Box gum woodland and staying outside the mapped area;</li> <li>- Box-Gum Woodland present along Tangmangaroo Rd which will have some potential impact from construction. Minimisation through further detailed design options including underboring, raising overhead transmission lines, road design and use of traffic control; and</li> <li>- Box-Gum Woodland present within the western section cannot avoid impacts, however, clearing will be limited through design and road formation.</li> </ul> <p>The letter dated 15 April 2019 illustrates that the project development does not impact on more than 84.2 ha of Box Gum Woodland or grassland. The total native vegetation impacted by the development is 44.87 ha, calculated by Eco logical.</p> <p>EMM recommends CWP and contractor to follow management measures outlined in BWP to ensure compliance once turbine construction commences. The next audit is to follow-up disturbance impacts.</p> <p>As identified in the letter dated 15 April 2019, there is no Yass daisy populations impacted. The BMP outlines the following:</p> <ul style="list-style-type: none"> <li>- Yass Daisy individuals are located outside of the Development Corridor, with no direct impact anticipated;</li> <li>- No work is authorised to occur outside the Development Corridor without approval by the CWP environmental representative; and</li> <li>- Should Yass Daisy individuals be identified within the Development Corridor, these locations will be recorded and reported to the CWP representative.</li> </ul> <p>It is noted the EIS (2016) does not identify any potential impact to the Yass Daisy populations.</p>	<p>Compliant</p> <p>Compliant</p>

		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
	(c) Implement reasonable and feasible measures to minimise: • the impacts of the development on hollow-bearing trees;	Bango Wind Micro-siting- Biodiversity, letter dated 10 May 2019 (Eco logical Australia); Bango Wind Farm, Biodiversity Management Plan (June 2019); Bango Wind Farm - biodiversity offset credit liabilities, letter dated 15 April 2019 (Eco logical Australia); and EIS (2016)	Eco logical Australia carried out a micro-siting exercise for the project on 26 and 27 March 2019, and a further desktop review on 10 May 2019 of the revised turbine layout. Additionally, micro-siting were considered for access tracks and the sub-station. Eco logical determined that the majority of the impacts can be avoided. A review of the BMP outlines management measures to avoid impacts to hollow-bearing trees. CWP has undertaken a pre-clearance survey. Contractor is to implement in accordance once construction commences.	Compliant
	• the impacts of the development on threatened bird and bat populations; and	Bango Wind Micro-siting- Biodiversity, letter dated 10 May 2019 (Eco logical Australia); Bango Wind Farm, Biodiversity Management Plan (June 2019); Bango Wind Farm - biodiversity offset credit liabilities, letter dated 15 April 2019 (Eco logical Australia); and EIS (2016)	Avoidance of hollowing bearing trees discussed within draft BBAMP and micro-siting has been conducted by Eco logical. CWP is to implement accordingly once construction/operation commences.	Compliant
	• the clearing of native vegetation and key habitat within the approved disturbance footprint.	Bango Wind Micro-siting- Biodiversity, letter dated 10 May 2019 (Eco logical Australia); Bango Wind Farm, Biodiversity Management Plan (June 2019); and Bango Wind Farm - biodiversity offset credit liabilities, letter dated 15 April 2019 (Eco logical Australia); and EIS (2016)	Micro-siting has been carried out by Eco logical Australia on 26th and 27th March 2019 to identify native vegetation and key habitats and measures in BMP. It is noted that clearing limits have not yet been approved by OEH. CWP is to follow up with OEH and to demonstrate any recommendations outlined.	Compliant
<b>Biodiversity Offset</b>				
3.18.	Prior to the commencement of construction, unless the Secretary agrees otherwise, the Applicant must: (a) update the baseline mapping of the vegetation and key habitat within the final disturbance area; and	Bango Wind Farm (SSD 6686), letter from DPIE dated 15 July 2019; Biodiversity credit report, dated 19 December 2019 (NSW Government); and Bango Wind Farm - final biodiversity offset credit liabilities, letter dated 19 December 2019 (Eco logical)	Baseline mapping of the vegetation and key habitat within the final disturbance area was undertaken by ELA in January 2019. Consequently, updated mapping and vegetation has been submitted and approved by DPIE in July 2019.	Compliant
	(b) calculate the biodiversity offset credit liabilities for the development in accordance with the Framework for Biodiversity Assessment under the NSW Biodiversity Offset Policy for Major Projects,	Bango Wind Farm (SSD 6686), letter from DPIE dated 15 July 2019; Biodiversity credit report, dated 19 December 2019 (NSW Government); and Bango Wind Farm - final biodiversity offset credit liabilities, letter dated 19 December 2019 (Eco logical)	ELA calculated the biodiversity offset liabilities, in which CWP submitted to DPIE on 15 April 2019 and consulted with OEH in June 2019. In a letter dated 15 July 2019, DPIE outlines that OEH has indicated that they were not in a position to provide necessary feedback in sufficient time to meet relevant project timeframes. Consequently, CWP asked for a 6 month extension to resolve and submit calculations and recommendations to DPIE. A final calculations report has been prepared and submitted to CWP by ELA dated December 2019. CWP have received a further extension to this timeframe to allow OEH to assess the application. Once assessed and credits retired, the offset plan should be updated and posted on the website.	Compliant
	in consultation with OEH, and to the satisfaction of the Secretary.	Bango Wind Farm (SSD 6686), letter from DPIE dated 15 July 2019; Biodiversity credit report, dated 19 December 2019 (NSW Government); and Bango Wind Farm - final biodiversity offset credit liabilities, letter dated 19 December 2019 (Eco logical)	It is understood that the final design and disturbance footprint and currently under review by OEH. CWP has been in consultation with OEH and DPIE in accordance with the condition.	Compliant

Cond. # **SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
3.19	<p>Within two years of the commencement of construction, unless the Secretary agrees otherwise, the Applicant must retire the required biodiversity credits, to the satisfaction of OEH.</p> <p>The retirement of the credits must be carried out in accordance with the NSW Biodiversity Offsets Policy for Major Projects, and can be achieved by:</p> <p>(a) acquiring or retiring 'biodiversity credits' within the meaning of the Biodiversity Conservation Act 2016;</p> <p>(b) making payments into an offset fund that has been established by the NSW Government; or</p> <p>(c) providing suitable supplementary measures.</p> <p><i>Note: Following repeal of the TSC Act on 25 August 2017, credits created under that Act are taken to be 'biodiversity credits' under the Biodiversity Conservation Act 2016, in accordance with clause 22 of the Biodiversity Conservation (Savings and Transitional) Regulation 2017.</i></p>	<p>Bango Wind Farm (SSD 6686), letter from DPIE dated 15 July 2019;</p> <p>Biodiversity credit report, dated 19 December 2019 (NSW Government); and</p> <p>Bango Wind Farm - final biodiversity offset credit liabilities, letter dated 19 December 2019 (Eco logical)</p>	<p>CWP have provided estimated credit liability and cost based on indicative footprint. However, this condition is deemed not triggered as construction is yet to commence.</p>	Not triggered
		N/A	N/A	Not triggered
<b>Biodiversity Management Plan</b>				
3.20	<p>Prior to the commencement of construction, the Applicant shall prepare a Biodiversity Management Plan for the development to the satisfaction of the Secretary. This plan must:</p> <p>(a) be prepared in consultation with OEH; and</p> <p>(b) include:</p> <ul style="list-style-type: none"> <li>· a description of the measures that would be implemented for:</li> <li>- minimising the amount of native vegetation clearing within the approved development footprint;</li> <li>- minimising the loss of key fauna habitat, including tree hollows;</li> </ul>	<p>Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP); and</p> <p>Bango Wind Farm (SSD 6686) - Management Plans, letter dated 18 June 2019 DPIE</p> <p>Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP); and</p> <p>Bango Wind Farm (SSD 6686) - draft BMP for consultation, email correspondence with OEH and CWP dated 7 May 2019</p> <p>Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)</p> <p>Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)</p>	<p>CWP has prepared a BMP in consultation with OEH and approved by the Secretary (DPIE) in June 2019.</p> <p>CWP has prepared a BMP in consultation with OEH in May 2019</p> <p>CWP has outlined the following measures to minimise the amount of native vegetation clearing within the development footprint. This includes:</p> <ol style="list-style-type: none"> <li>1. Confirm which of the 46 turbine locations are to be constructed from the 49 possible locations;</li> <li>2. Identify the final micro sited locations of those turbines;</li> <li>3. Assess construction requirements, site compounds and laydown areas;</li> <li>4. Confirm the ancillary infrastructure to be used for the Project; and</li> <li>5. Provide detailed civil and electrical designs for most infrastructure, including the clearance limits required during construction.</li> </ol> <p>EMM recommends the contractor to implement measures once construction commences to ensure compliance.</p> <p>CWP has outlined measures to minimise the loss of key fauna habitat, including tree hollows in the approved BMP (section 4.2), including:</p> <ul style="list-style-type: none"> <li>- Micro-siting wind turbines and associated infrastructure away from hollow bearing trees as much as possible;</li> <li>- Undertaking pre-clearance surveys to determine if roosts, nests or dens are visible in any hollow-bearing trees; and</li> <li>- Hollow bearing logs requiring removal and cleared larger woody debris will be relocated adjacent to the construction impact area (subject to landowner agreement) into adjacent habitat or placed on rehabilitated disturbance areas.</li> </ul>	Compliant  Compliant  Compliant  Compliant

		EMM IEA		
Cond. #	SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL	Evidence collected	Audit findings and recommendations	Compliance status
			<p>The BMP outlines that the pre-clearance surveys will be undertaken by a suitably qualified ecologist, which will aim to identify:</p> <ul style="list-style-type: none"> <li>- Potential habitat features located within proposed disturbance areas (such as hollows in trees and fallen logs, which may provide habitat for threatened woodland birds, owls, arboreal mammals and bats) that may require management during clearing;</li> <li>- Habitat features (such as large fallen logs and trees with hollows) that can be salvaged where practicable for reuse in rehabilitation areas or in adjoining non-disturbed native vegetation areas;</li> <li>- Actively nesting threatened birds or mammals and/or suspected active microbat roosts that may require active management prior to or during disturbance to minimise impacts on threatened fauna species (including woodland birds, owls, arboreal mammals and hollow dwelling bats).</li> <li>- All hollows in squirrel glider habitat are checked immediately before removal of the tree;</li> <li>- All Primary HBTs are checked for Superb Parrots prior to clearing;</li> <li>- Primary HBT are only cleared outside the Superb Parrot breeding season (1st February - 31st August); and</li> <li>- OEH is notified if threatened species are found and relocated.</li> </ul> <p>EMM recommends CWP to make sure contractor is made aware of the pre-clearance procedure when turbine construction commences to ensure compliance</p>	
	- minimising the impacts on fauna on site, including undertaking pre-clearance surveys;	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)		Compliant
	- minimising the potential indirect impacts on threatened and migratory species, including:	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.3 -	Compliant
		Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.4	Compliant
	<ul style="list-style-type: none"> <li>• flora species, including the Yass Daisy (<i>Ammobium craspedioides</i>); and</li> <li>• fauna species, including the Golden Sun Moth (<i>Synemon plana</i>), Brown Creeper (<i>Llimacteris picumnus victoriae</i>), Diamond Firetail (<i>Stagonopleura guttata</i>), Grey-crowned Babbler (<i>Pomatostomus temporalis temporalis</i>), Scarlet Robin (<i>Petroica boodang</i>), Speckled Warbler (<i>Chthonicola sagittata</i>), Spotted Harrier (<i>Circus assimilis</i>), Square-tailed Kite (<i>Lophoictinia isura</i>), Superb Parrot (<i>Polytelis swainsonii</i>), Varied Sitella (<i>Daphoenositta chrysoptera</i>), Squirrel Glider (<i>Petaurus norfolcensis</i>), Eastern Bentwing Bat (<i>Miniopterus schreibersii oceanensis</i>) and Yellow-bellied Sheathtail Bat (<i>Saccolaimus flaviventris</i>);</li> </ul>	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.3	Compliant
	- rehabilitating and revegetating temporary disturbance areas;	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.5	Compliant
	- protecting native vegetation and key fauna habitat outside the approved disturbance area;	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.6	Compliant
	- maximising the salvage of resources within the approved disturbance area – including vegetative and soil resources – for beneficial reuse (including fauna habitat enhancement) during the rehabilitation and revegetation of the site;	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.7	Compliant
	- collecting and propagating seed (where relevant);	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.8	Compliant
	- controlling weeds and feral pests;	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.9	Compliant
	- controlling erosion; and	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.10	Compliant
	- bushfire management;	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 4.11	Compliant
	- a detailed program to monitor and report on the effectiveness of these measures.	Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP)	Section 5	Compliant
		Bango Wind Farm, Biodiversity Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter correspondence DPIE dated 18 June 2019	CWP has prepared and implemented the approved BMP and uploaded to their website. No issues identified during site inspection.	Compliant
		Site inspection; Site interview		
Following the Secretary's approval, the Applicant must implement the Biodiversity Management Plan.				
<b>Bird and Bat Adaptive Management Plan</b>				

**EMM IEA**

Evidence collected

Audit findings and recommendations

Compliance status

3.21

Prior to the commissioning of any wind turbines, the Applicant must prepare a Bird and Bat Adaptive Management Plan for the development in consultation with OEH, and to the satisfaction of the Secretary. This plan must include:

Bango Wind Farm, DRAFT Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates);  
 Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;  
 OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019;  
 Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019;  
 Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019;  
 Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and  
 Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2019

The first draft of the Bird and Bat Management Plan was submitted to OEH in April 2019. OEH made the following comments:  
 - consolidate and summarise existing survey data, compare with the proposed survey strategy for completing the pre-construction dataset, and resolve inconsistencies to provide a dataset suitable for BACI design;  
 - complete twelve months of baseline bird and bat utilisation survey prior to construction;  
 - undertake further targeted survey for wedge-tailed eagle and little eagle populations and map habitat and habitat use in relation to the approved turbine layout;  
 - map hollow-bearing trees within 200m of current approved turbine layout and undertake breeding surveys for threatened fauna including superb parrot and microbats in appropriate seasons, if data has not been collected;  
 - revise risk rating using results from the complete baseline survey dataset;  
 - revise survey design for operational phase survey, based on gap analysis and techniques used to address inadequacy in the existing baseline dataset. Operational bird and bat utilisation surveys needs to use the same methodology as the baseline utilisation surveys; and  
 - revise management and mitigation measures (as CWP committed to in 2017) and complete all outstanding commitments made by CWP in response to OEH comments and adequacy of the environmental assessment and the RTS has been submitted to OEH in October 2019. CWP is yet to receive comment. CWP is to ensure any comments from DOEE or OEH are addressed within BBAMP for next audit.

Compliant

(a) at least 12 months' worth of baseline data on threatened and 'at risk' bird and bat species and populations in the locality that could be affected by the development;

Bango Wind Farm, DRAFT Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates);  
 Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;  
 OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019;  
 Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019;  
 Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019;  
 Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and  
 Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2020

In the draft BBAMP dated June 2019, Section 2 and 3, it is identified that most survey efforts were completed November through to February 2013 with additional surveys in spring 2019 and Autumn 2020. As the plan is not required to be finalised until 'prior to operation of turbines' and OEH have not yet commented, the condition is considered to be compliant at the time of the audit.

Compliant

(b) a detailed description of the measures that would be implemented on site for minimising bird and bat strike during operation of the development, including:

Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates);  
 Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;  
 OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019;  
 Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019;  
 Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019;  
 Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and  
 Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2021

In the draft BBAMP dated June 2019, Section 5 outlines the description of measures. As described above, EMM is unable to audit against a draft plan.

Compliant

	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
<ul style="list-style-type: none"> <li>minimising the availability of raptor perches on wind turbines;</li> </ul>	<p>Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane &amp; Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2022</p>	As above (Section 5)	Compliant
<ul style="list-style-type: none"> <li>prompt carcass removal;</li> </ul>	<p>Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane &amp; Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2023</p>	As above (Section 5)	Compliant
<ul style="list-style-type: none"> <li>controlling pests; and</li> </ul>	<p>Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane &amp; Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2024</p>	As above (Section 5)	Compliant
<ul style="list-style-type: none"> <li>using best practice methods for bat deterrence, including managing potential lighting impacts;</li> </ul>	<p>Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane &amp; Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2025</p>	As above (Section 5)	Compliant
<p>(c) trigger levels for further investigation of the potential impacts of the project on particular bird or bat species or populations;</p>	<p>Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane &amp; Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email</p>	As above (Section 6)	Compliant

	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
(d) an adaptive management program that would be implemented if the development is having an adverse impact on a particular threatened or 'at risk' bird and/or bat species or populations; including the implementation of measures to:	Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and	As above (Section 6)	Compliant
	Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2028	As above (Section 6)	Compliant
· reduce the mortality of those species or populations; or	Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;	As above (Section 6)	Compliant
· enhance and propagate those species or populations in the locality; and	OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;	Sections 3, 4 and 6.4	Compliant
(e) a detailed program to monitor and report on:	OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019; Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;	Sections 3, 4 and 6.5	Compliant
	OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019;	Sections 3, 4 and 6.6	Compliant
· the effectiveness of these measures; and	Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane & Associates); Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019; OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019; Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019;	Section 4.1 - All copies have been submitted to OEH and Secretary	Compliant
· any bird and bat strikes on site;	Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019; Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2033		
(f) provisions for a copy of all raw data collected as part of the monitoring program to be submitted to OEH and the Secretary.			

		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
		<p>Bango Wind Farm, Bird and Bat Adaptive Management Plan June 2019 (Brett Lane &amp; Associates);                      Bango Wind Farm SSD6686- consultation of draft BBAMP, email correspondence dated 9 April 2019;                      OEH response Bango draft BBAMP consultation, email correspondence dated 8 May 2019;                      Bango Wind Farm (SSD 6686) - draft Bird and Bat Adaptive Management Plan, letter dated 8 May 2019;                      Bango Wind Farm- BBAMP and baseline survey requirements, email correspondence dated 8 February 2019;                      Bango Wind Farm SSD6686 - consultation of draft BBAMP [SEC=OFFICIAL], email correspondence dated 20 May 2019; and                      Department of the Environment and Energy Review, Bird and Bat Management Plan, April 2034</p> <p>Following the Secretary's approval, the Applicant must implement the Bird and Bat Adaptive Management Plan.</p>	<p>Not implemented due to plan in draft.</p>	<p>Not triggered</p>
<p><b>HERITAGE</b>  <b>Protection of Heritage Items</b></p>				
3.22	<p>The Applicant must:                      (a) ensure the development does not cause any direct or indirect impacts on the Aboriginal heritage items identified in Table 1 in Appendix 6, or located outside the approved disturbance area; and</p>	<p>Bango, email correspondence from NSW Archaeology dated 19 March 2019;                      Bango sites demarcation, March 2019 (NSW Archaeology); and                      Bango Wind Farm, Heritage Management Plan June 2019 (CWP)</p>	<p>CWP commissioned NSW Archaeology in March 2019, to relocate and demarcate previous recorded Aboriginal objects that have potential to be impacted by future works at Bango. Previous surveys were undertaken in 2013 by NSW Archaeology. Due to the redesigning of the development, the following items were flagged in report, SU16/L1, SU31/L1 and SU31/L2, which fall within proposed impact areas. These items do not correspond to the items outlined in Table 1 of Appendix 6. (SSD6686).                      Additionally, the sites recorded within the NSW Archaeology report are outlined in the final HMP (June 2019)</p> <p>The three items flagged, SU16/L1, SU31/L1 and SU31/L2 are recorded within the development corridor and are in Table 2 Appendix 6 of SSD6686. These items are all flagged as 'minimise impacts'. The HMP identified the following:                      - SU16/L1: 5 artefacts located on a casual vehicle track in SU16;                      - SU31/L1: 17 artefacts located along a graded vehicle track in SU31; and                      - SU31/L2: 3 artefacts located along a graded vehicle track in SU31</p> <p>The likely impacts from all of these items has been identified from road access and infrastructure. The following management measures have been outlined in the HMP:                      - Identification of the location, nature and aerial extent of the heritage item on site plans;                      - The locations of any sites which will be subject to impact minimisation must be identified by the EPC Environmental Officer and / or project archaeologist;                      - Undertaking detailed design and micro-siting to avoid where possible and minimise direct impact to heritage items;                      - Clearly define the location of the site in the field and installing temporary fencing and signage where sites are to be retained. An exclusion zone must be defined where heritage locales occur within 20m of works, by installing temporary fencing and signage; and                      - Ensuring that workers are inducted and aware of the Heritage Management Plan and its requirements.</p>	<p>Compliant</p>
	<p>(b) minimise any impacts on the Aboriginal heritage items identified in Table 2 in Appendix 6.                      Note: The locations of the Aboriginal heritage items referred to in this condition are shown in the figure in Appendix 6.</p>	<p>Bango, email correspondence from NSW Archaeology dated 19 March 2019;                      Bango sites demarcation, March 2019 (NSW Archaeology); and                      Bango Wind Farm, Heritage Management Plan June 2019 (CWP)</p>	<p>As above</p>	<p>As above</p>
<p><b>Heritage Management Plan</b></p>				

EMM IEA

Cond. #	Evidence collected	Audit findings and recommendations	Compliance status	
3.23	Bango Wind Farm, Heritage Management Plan June 2019 (CWP); Bango Wind Farm (SSD6686) - Heritage Management Plan, letter correspondence DPIE dated 24 June 2019;	Final HMP submitted and approved by DPIE in letter dated 24 June 2019	Compliant	
	Prior to the commencement of construction, the Applicant must prepare a Heritage Management Plan for the development to the satisfaction of the Secretary. This plan must:			
	Bango Wind Farm (SSD 6686) - Heritage Management Plan, letter of endorsement approval DPIE dated 8 February 2019;	CWP has received approval for Julie Dibden of NSW Archaeology, from DPIE in a letter dated 8 February 2019	Compliant	
	(a) be prepared by a suitably qualified and experienced person whose appointment has been endorsed by the Secretary;			
	Bango Wind Farm, email correspondence to OEH dated 8 April 2019; Bango Wind Farm SSD 6686 - condition 3.23, email correspondence endorsement dated 6 February 2019; and Bango WF, email correspondence from OEH dated 12 April 2019	CWP has consulted with OEH and Aboriginal stakeholders in an email dated 8 April 2019. No comment has yet to be received from Aboriginal stakeholders. OEH consultation commented in an email dated 12 April 2019 that they won't be able to make comments on the adequacy of any RAP consultation until CWP received comments back. CWP is to make any changes as per comments received. This is to be reviewed in next audit period.	Compliant	
	(b) be prepared in consultation with OEH and Aboriginal stakeholders;			
	(c) include up to date baseline mapping of the heritage items within and adjoining the development disturbance area;	Bango Wind Farm, Heritage Management Plan June 2019 (CWP);	Baseline mapping has been completed and approved by DPIE, which is included in Appendix B of HMP	Compliant
	(d) include a description of the measures that would be implemented for:	Bango Wind Farm, Heritage Management Plan June 2019 (CWP);	Measures included in HMP	Compliant
		The following management measures have been outlined in the HMP: - Identification of the location, nature and aerial extent of the heritage item on site plans; - The locations of any sites which will be subject to impact minimisation must be identified by the EPC Environmental Officer and / or project archaeologist; - Undertaking detailed design and micro-siting to avoid where possible and minimise direct impact to heritage items; - Clearly define the location of the site in the field and installing temporary fencing and signage where sites are to be retained. An exclusion zone must be defined where heritage locales occur within 20m of works, by installing temporary fencing and signage; and - Ensuring that workers are inducted and aware of the Heritage Management Plan and its requirements.		
	Bango Wind Farm, Heritage Management Plan June 2019 (CWP);		Compliant	
	· protecting Aboriginal heritage items identified in Table 1 in Appendix 6 and any items located outside the project disturbance area;			
	· minimising and managing the impacts of the development on heritage items identified in Table 2 in Appendix 6;	Bango Wind Farm, Heritage Management Plan June 2019 (CWP);	As above	Compliant
	· a contingency plan and reporting procedure if:	Bango Wind Farm, Heritage Management Plan June 2019 (CWP);	As per the HMP, CWP has outlined the following procedure:	Compliant
		Bango Wind Farm, Heritage Management Plan June 2019 (CWP);	The HMP outlines the following measures to minimise damage: - Ground disturbance impacts associated with the Project to be kept to a minimum and to defined areas; and - If there are design changes that fall outside the Survey Units inspected during the Dibden (2013 and 2019) assessment (refer to Figures 2 - 3), assessment by an experienced and qualified archaeologist will be required so that adequate avoidance and mitigation measures can be developed prior to construction.	Compliant
	- Aboriginal heritage items outside the approved disturbance area are damaged;			

**EMM IEA**

Evidence collected

Audit findings and recommendations

Compliance status

Bango Wind Farm, Heritage Management Plan June 2019 (CWP);

In the unlikely event that unexpected Aboriginal objects/ values or historic sites are encountered during construction, the following steps should be followed:

- The person who identified the Aboriginal objects/ values or historic sites must immediately notify the person in charge of the activity and refer the matter to the EPC Environmental Officer;

- All construction that could potentially harm the Aboriginal objects/ values or historic sites must cease (including stopping all construction within 20 m);

- Works may continue outside of the minimum 20 m barrier;

- Works required to comply with occupational and environmental health and safety standards and/or to protect the cultural heritage, may continue;

The EPC Environmental Officer shall contact an experienced and qualified archaeologist (i.e. the project archaeologist) so that an assessment can be made.

- Within five (5) working days the archaeologist must be engaged to:

- o record and detail the location and context of the Aboriginal objects/ values or historic sites; and

- o assess the cultural or scientific values of the objects in accordance with the methodology used in the Environmental Assessment.

Compliant

- previously unidentified Aboriginal heritage items are found; or

Bango Wind Farm, Heritage Management Plan June 2019 (CWP);

The HMP outlines the following measures:

- Where avoidance is possible, an exclusion zone must be defined where heritage locales occur within 20m of works, by installing temporary fencing and signage (as per Section 4.3). The results of the assessment shall be documented by the project archaeologist, recorded by the EPC Environmental Officer and reported internally;

- Where avoidance is not possible, the discovery must be reported to the OEH, DPE and RAPs as soon as practicable after being assessed by the project archaeologist, to determine whether salvage works are required. The Secretary for Planning must approve any salvage works. The archaeologist must facilitate the involvement of any relevant RAPs if any further works are required as soon as practical to develop a suitable methodology for further works in consultation with the RAPs.

- the location and context of the heritage material must be recorded in detail and an Aboriginal Heritage Information Management System Site Form and an Aboriginal Site Impact Recording Form (if applicable) must be completed and submitted to NSW OEH within four (4) months from the end of management works.

Work may re-commence within the area of exclusion once the actions outlined above have been undertaken, or where there is no other prudent or feasible course of action.

Compliant

- Aboriginal skeletal material is discovered;

	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
<p>· ensuring workers on site receive suitable heritage inductions prior to carrying out any development on site, and that records are kept of these inductions; and</p>	<p>Bango Wind Farm, Heritage Management Plan June 2019 (CWP);</p>	<p>The HMP outlines the following:                      Personnel involved in the construction and operational phases of the Project are to be trained by a qualified archaeologist in procedures to implement recommendations relating to cultural heritage, where necessary, to decrease impact. This training should include:                      - Identification of Aboriginal objects and skeletal material;                      - Aboriginal cultural awareness;                      - Identification of historic heritage; and                      - Procedures to be followed during the life of the project.                      Refresher training will be undertaken for personnel undertaking construction annually and for personnel involved in wind farm operations biannually. In order for site workers and contractors to be able to know what processes to follow in regard to this HMP an induction will be provided to all contractors and subcontractors for any development on the site.                      The induction materials will include:                      - Familiarisation with this HMP;                      - Process for the identification Aboriginal objects and skeletal material;                      - Aboriginal cultural awareness; and                      - The HMP procedures to be followed during the operational life of the project.                      Induction records will be maintained to demonstrate compliance with the requirements of this HMP, and records will include:                      - Who was trained;                      - When training occurred;                      - Name and relevant details of trainer; and                      - Description of training content.</p>	<p>Compliant</p>
<p>· ongoing consultation with Aboriginal stakeholders during the implementation of the plan;</p>	<p>Bango Wind Farm, Heritage Management Plan June 2019 (CWP);                      Bango Wind Farm, email correspondence to OEH dated 8 April 2019;                      Bango Wind Farm SSD 6686 - condition 3.23, email correspondence endorsement dated 6 February 2019; and                      Bango WF, email correspondence from OEH dated 12 April 2019</p>	<p>CWP has adequately been in consultation with relevant stakeholders during the drafting and finalisation of the HMP.</p>	<p>Compliant</p>
<p>(e) a program to monitor and report on the effectiveness of these measures and any heritage impacts of the project.</p>	<p>Bango Wind Farm, Heritage Management Plan June 2019 (CWP);</p>	<p>As per the HMP, monitoring required under the HMP will be required to be undertaken by the EPC Environment Officer during the construction phase. This includes:                      Prior to earthworks:                      - Ensure that Aboriginal object locales and historic sites have been clearly identified, fenced if required and demarcated where impact minimisation is required.                      Post earthworks:                      - Ensure that demarcated areas for protection of Aboriginal object locales and historic sites have not been disturbed.                      - Daily inspection of any fencing and demarcation zones around Aboriginal object locales and historic sites in active work zones.                      As part of the inspection checklists the officer is to include:                      date of inspection;                      - personnel undertaking the inspection;                      - features to be inspected/monitored;                      - outcomes of the inspection and details of compliance with objectives;                      - requirement for any corrective actions; and                      - details of any photographic records (file name and saved location) detailing evidence of monitoring.</p>	<p>Compliant</p>
<p>Following the Secretary's approval, the Applicant must implement the Heritage Management Plan.</p>	<p>Bango Wind Farm, Heritage Management Plan June 2019 (CWP);                      Site inspection; and                      Site interview</p>	<p>CWP contractors is to implement HMP once construction commences. To be reviewed following next audit period.</p>	<p>Compliant</p>

**TRANSPORT**  
 Designated Heavy and Over-Dimensional Vehicle Routes

		EMM IEA	
Cond. #	Evidence collected	Audit findings and recommendations	Compliance status
3.24	<p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP);                      Bango Wind Farm - SSD6866 - vehicle route for Secretarys agreement, email correspondence dated 9 April 2019;                      Bango Wind Farm SSD8868- condition 3.24 Heavy and Over-Dimension Vehcile Routes, letter from CWP to DPIE dated 9 April 2019;                      Bango Wind Farm (SSD 6686) - Heavy and Over-Dimnesional Vehicle Routes, email correspondence DPIE dated 24 May 2019;                      Bango Wind Farm (SSD6686)_Approved transport routes, email correspondence DPIE dated 27 July 2019;                      Bango Wind Farm Pre-Construction Dilapidaion Survey - Local Roads, Icubed Consulting dated 30 July 2019;                      SSD 6686 - Bango Wind Farm Pty Ltd - Road Dilapidation Survey, letter to Hilltops Council dated 30 July 2019;                      SSD 6686 - Bango Wind Farm Pty Ltd - Road Dilapidation Survey, letter to Yass Valley Council dated 30 July 2019; and                      Video Footage: Tangmangaroo and Wargella (CWP) 2019</p> <p>The Applicant must ensure that all over-dimensional and heavy vehicle access to and from the site is via the Hume Highway and Lachlan Valley Way, as identified in the figures in Appendix 8, unless the Secretary agrees otherwise.</p> <p>Notes:                      · The Applicant is required to obtain relevant permits under the Heavy Vehicle National Law (NSW) for the use of over-dimensional vehicles on the road network.</p>	<p>CWP has provided all documentation to relevant authorities. The final TMP complies with the condition and within Appendix 8 for a route that involves over-dimensional vehicles travelling from Port Kembla to the Hume Highway and onto the Lachlan Valley Way, accessing the project from the south.</p> <p>In a letter dated 9 April 2019, CWP is requesting agreement from the Secretary to allow vehicles other than over-size and over mass (as defined in Section 4.2 of Appendix 14 of the EIS 2016) to be able to use the Lachlan Valley Way to access the site from the North. This is due to access requirements restricted to vehicles accessing the site from the site. CWP has outlined that their movement would be identified and controlled within the TMP.</p> <p>At the time of this audit, consultation was still taking place with DPIE and access arrangements as per request is yet to be approved. However, EMM identifies this condition as compliant, due to the TMP addressing the condition requirements.</p>	Compliant
	No evidence of permits. No transports of this kind yet undertaken	Consultation has commenced, no relevant permits have been issued tto date. None required at the time of the audit.	Compliant
<b>Road Upgrades</b>			
3.25	<p>Bango Wind Farm External Intersection for CWP Renewables, Site Entry I- Locality Plan, Rev B, Icubed Consulting dated 17 April 2019;                      SSD 6686 - Bango Wind Farm Pty Ltd - Roads Agreement, letter to Hilltops Council dated 1 May 2019;                      SSD 6686 - Bango Wind Farm Pty Ltd - Roads Agreement, letter to Yass Valley Council, dated 30 April 2019;                      Bango Windfarm Intersection Works, Lachlan Valley Way Notice of Practical Completion, letter from RMS dated 23 September 2019;                      BWF_road upgrades per CoA 3.25, email correspondence dated 13 December 2019; and                      EPC Monthly Report, Bango Wind Farm October 2019, issued 12 November 2019</p> <p>The Applicant must implement the road upgrades identified in Appendix 7 in accordance with the relevant timing requirements, to the satisfaction of the relevant roads authority.                      If there is a dispute about the road upgrades to be implemented, or the implementation of these upgrades, then either party may refer the matter to the Secretary for resolution.</p>	<p>CWP has provided and consulted with relevant councils, RMS and has received approval for practical completion of intersection of works from RMS dated 23 September 2019. This has also been provided as proof of communication, with the Bango October Monthly Report. It is noted on the 31 October 2019, that Gavin Cason from Transpot and Infrastructure was satisfied with the Tanmangaroo Intersection works and CWP could proceed with the works beyond Tanmangaroo Road.</p> <p>However, it is noted that correspondence from Hilltops was not provided as a final, and only as a draft dated 1 May 2019. Obtain final copy of approval.</p>	Compliant
	EPC Monthly Report, Bango Wind Farm October 2019, issued 12 November 2019	No disputes identified	Compliant
<b>Road Maintenance</b>			
3.26	<p>SSD 6686 - Bango Wind Farm Pty Ltd - Roads Agreement, letter to Hilltops Council dated 1 May 2019;                      SSD 6686 - Bango Wind Farm Pty Ltd - Roads Agreement, letter to Yass Valley Council, dated 30 April 2019;                      Bango Windfarm Dilapidation Survey, email correspondence Yass Valley Council dated 12 August 2019;                      Dilapidation Surveys, email correspondence Icubed Consulting dated 4 July 2019; and                      Bango Windfarm Dilapidation Survey, email correspondence to Hilltops Council dated 14 August 2019</p> <p>The Applicant must:                      (a) prepare a dilapidation survey in accordance with guidelines and standards established by Austroads of the designated light vehicle route on Tangmangaroo Road, Wargella Road and Yass Valley Way as identified in the figures in Appendix 8.</p>	<p>CWP has effectively completed a dilapidation survey in consultation with the relevant stakeholders and has been approved by Hilltops and Yass Valley Council</p>	Compliant
	<p>SSD 6686 - Bango Wind Farm Pty Ltd - Roads Agreement, letter to Hilltops Council dated 1 May 2019;                      SSD 6686 - Bango Wind Farm Pty Ltd - Roads Agreement, letter to Yass Valley Council, dated 30 April 2019;                      Bango Windfarm Dilapidation Survey, email correspondence Yass Valley Council dated 12 August 2019;                      Dilapidation Surveys, email correspondence Icubed Consulting dated 4 July 2019; and                      Bango Windfarm Dilapidation Survey, email correspondence to Hilltops Council dated 14 August 2020</p> <p>• prior to the commencement of any construction and/or decommissioning works, other than pre-construction minor works;</p>	The dilapidation survey has been commissioned prior to any construction and/or decommissioning works.	Compliant

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #

**EMM IEA**

Evidence collected

Audit findings and recommendations

Compliance status

	<ul style="list-style-type: none"> <li>• within 1 month of the completion of any construction and/or decommissioning works, other than pre-construction minor works; N/A</li> <li>(b) rehabilitate and/or make good any development-related damage: N/A</li> <li>• identified during the carrying out of the relevant construction and/or decommissioning works if it could endanger road safety, as soon as possible after the damage is identified, but within 7 days at the latest; and N/A</li> <li>• identified during any dilapidation survey carried out following the completion of the relevant construction and/or decommissioning works within 2 months of the completion of the survey, unless the relevant roads authority agrees otherwise. N/A</li> <li>To the satisfaction of the relevant roads authority. N/A</li> <li>If the construction and/or decommissioning of the development is to be staged, the obligations in this condition apply to each stage of construction and/or decommissioning. N/A</li> <li>If there is a dispute about the scope of any remedial works or the implementation of these works, then either party may refer the matter to the Secretary for resolution. N/A - no disputes to date</li> </ul>	<ul style="list-style-type: none"> <li>Construction yet commenced</li> <li>As above</li> <li>As above</li> <li>As above</li> <li>As above</li> <li>No staging proposed</li> <li>No disputes to date</li> </ul>	<ul style="list-style-type: none"> <li>Not triggered</li> <li>Not triggered</li> <li>Not triggered</li> <li>Not triggered</li> <li>Not triggered</li> <li>Not triggered</li> <li>Compliant</li> </ul>
<b>Unformed Crown Roads</b>			
3.27	<p>The Applicant must ensure any unformed Crown road reserves affected by the development are maintained for future use, unless otherwise agreed with the NSW Department of Industry - Crown Lands and Water.</p> <p>Licence Roads Act 1993 - Section 147, Bango Wind Farm Pty Ltd, dated 26 June 2018;                      Licence Roads Act 1993 - Section 152A, Bango Wind farm Pty Ltd, dated 19 February 2019;                      Advice of Termination of Holding, Bango Wind Farm Pty Ltd, Department of Industry dated 18 February 2019; and                      Grant of Licence Number LN 602734, Bango Wind Farm Pty Ltd, Department of Industry dated 20 February 2019</p>	<p>Licence Agreement with Department of Industry to use Crown Rd reserve (602734) and supercedes previous agreement to enable vegetation clearing (588051).</p>	Compliant
<b>Traffic Management Plan</b>			
		<p>TMP has been prepared in consultation with RMS and DPIE. DPIE approval letter dated 18 June 2019.</p>	
3.28	<p>Prior to the commencement of construction, the Applicant must prepare a Traffic Management Plan for the development in consultation with RMS and the Councils, and to the satisfaction of the Secretary. This plan must:</p> <p>(a) detail the the measures that would be implemented to:</p> <ul style="list-style-type: none"> <li>• minimise traffic safety impacts of the development and disruptions to local road users during the construction and decommissioning of the development, including:</li> </ul>	<p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP);                      Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and                      Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p> <p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP);                      Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and                      Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>	<p>Compliant</p> <p>Compliant</p>

	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	TMP outlines considerations of Rye Park Wind Farm and Coppabella Wind Farm (section 5.14) . Mitigation measures include: - Notifying Rye Park Wind Farm and Coppabella Wind Farm contractors of OSOM deliveries to minimise any conflict along Hume Highway and Lachlan Valley Way between road transport movements; - Notifying Rye Park Wind Farm and Coppabella Wind Farm contractor of any changes to traffic control (short term lane closures, stop / slow), changes to road conditions and worksite access locations, through emails and face to face discussions; and - Regular meetings during concurrent construction activities between staff from Bango and Rye Park Wind Farms and Coppabella Wind Farm and their respective construction contractors to discuss load deliveries and plans to minimise potential traffic congestion and conflicts. The TMP outlines that there are no road or other work sites adjacent or within the immediate area which would impact on the current traffic and transport network.	Compliant
• consideration of potential interaction with Rye Park Wind Farm in consultation with the applicant of that project;	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	EMM recommends reviewing mitigation measures once construction and operation commences.  The TMP addresses Traffic controls (section 6.3) including signages and detours where necessary. Appendix 2 additionally provides details of expected durations, timing for implementation, the works being undertaken and the expected traffic impacts.	Compliant
• temporary traffic controls, including detours and signage;	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	The TMP outlines the different communication notifications including community notice, email, website and at Community Consultative Committee meetings. Additionally, the following measures have been addressed for the travelling public: - Motoring public will be forewarned of any changes, including road closures, road changes and long-term lane closures well in advance using appropriate traffic control signage; - Variable message signs (VMS) would be used in advance of road closures, major detours and any expected traffic delays; - For long term vehicle detours, VMS would be used for advance warning and these may be replaced with static signs throughout the detour period; - Pedestrians and cyclists will be provided with advance warning traffic control signs and static signage for long term detours; - Warning signs will be placed near the site entrance point to inform road users construction traffic will be exiting and entering the site should requirements of RMS Traffic Control at Worksites (TCWS) are met.	Compliant
• notifying the local community about project-related traffic impacts;	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	Over dimensional vehicles Section 4.2 and Section 6.1. The post approval review reviewed by Paul Freeman outlines a comment how conflict will be mitigated. As the plan has now been approved by DPIE, and there is sighted evidence of the TMP outlining the following;	Compliant
• minimising potential conflict between development-related traffic and: - rail services;	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	Section 5.8 outlines that the movement of any stock on a Travelling Stock Reserve (TSR) or along a public road requires a permit. The permit allows stock to be walked over TSRs between sunrise and sunset. The permit must be applied at least 2 working days in advance. Approved stock warning signs must be displayed when stock are walking or grazing near or on a roadway. Information on the location of TSR would be provided to drivers within the Transport Code of conduct. Drivers would be made aware of the potential to encounter livestock and adherence to safe driving practises at all times. The code of conduct will include a requirement for drivers to reduce their speed when encountering a stock warning sign.	Compliant
- stock movements; and			

	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
		<p>Section 5.6 outlines that heavy vehicles along the access roads do not pass any schools or school zones. However, there are two school buses that travel along the Lachlan Valley Way route N1165 from Yass. The timetable is provided in Table 5.3 - School Bus Routes.</p> <p>It is noted that the N1166 route from Boorowa leaves Boorowa at 7.30am and arrives at the Kangiara Road Intersection to meet the N1165 at 8.10am and returns to Boorowa after waiting 10 minutes to exchange passengers. In the afternoon it arrives at Kangiara at 3.50pm and begins its return journey to Boorowa at 4pm. The affected school bus operators have been consulted during the preparation of this plan. (Appendix 5)</p> <p>In order to minimise interruption to school bus routes along the Lachlan Valley Way the following rules will apply:</p> <ul style="list-style-type: none"> <li>- No oversize or over mass vehicles will enter Lachlan Valley Way between the hours of 7.15am and 8.30am on a school day;</li> <li>- No oversize or over mass load will leave the site entrance between the hours of 3.15pm and 4.30pm; and</li> <li>- No oversize or over mass load will enter Lachlan Valley Way between the hours of 3.15pm and 4.30pm</li> </ul> <p>School Bus operators will be notified of any planned works along school bus routes. The Contractor will ensure notifications are provided in the driver and</p>	Compliant
<ul style="list-style-type: none"> <li>- school buses, in consultation with local schools;</li> </ul>	<p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
		<p>Section 5.7 outlines that there are no regular public bus services in the vicinity of the site. Regular coach services operate along Hume Highway and stop in Bowning and Yass interchanges during the afternoons. The coach services would be unaffected by the works. Services and roads servicing any associated train stations would be unaffected by the works being located off haulage routes or roadwork sites associated with the project. The EPC has indicated that they will not need to adjust the overhead powerlines at the rail bridge overpass on the Lachlan Valley Way as outlined in Appendix 7 of the Conditions of Consent.</p>	Compliant
<ul style="list-style-type: none"> <li>- implement measures to minimise development-related traffic on the public road network outside of standard construction hours;</li> </ul>	<p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>	Sighted evidence in Appendix 5	Compliant
		<p>Sighted evidence in Appendix 5, and refer Code of Conduct, Section 10</p>	
<ul style="list-style-type: none"> <li>- implement measures to minimise dirt tracked onto the public road network from development-related traffic;</li> </ul>	<p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
		<p>Section 5.4 and Section 7.3. Site inspection also provided evidence of sufficient parking</p>	Compliant
<ul style="list-style-type: none"> <li>- ensuring loaded vehicles entering or leaving the site have their loads covered or contained;</li> </ul>	<p>Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
		<p>Sighted evidence Appendix 5</p>	Compliant
<ul style="list-style-type: none"> <li>- providing sufficient parking on site for all development-related traffic;</li> </ul>	<p>Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
		<p>Section 6.1</p>	Compliant
<ul style="list-style-type: none"> <li>- responding to any emergency repair requirements or maintenance during construction and/or decommissioning; and</li> </ul>	<p>Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
		<p>Appendix 5</p>	Compliant
<ul style="list-style-type: none"> <li>- a traffic management system for managing over-dimensional vehicles; and</li> </ul>	<p>Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
		<p>Safe driving practices included in Appendix 5</p>	Compliant
<ul style="list-style-type: none"> <li>- comply with the traffic conditions in this consent;</li> </ul>	<p>Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019</p>		
<ul style="list-style-type: none"> <li>(b) a drivers code of conduct that addresses:</li> </ul>	<p>Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from</p>		

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #

**EMM IEA**

Evidence collected

Audit findings and recommendations

Compliance status

· travelling speeds;	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	Travelling speeds - Appendix 5. Internal traffic movements will be restricted to a maximum of 40km/hr on site and 10km/h around personnel or as otherwise signposted. The speed limit within the Construction Compound is 10 km/hr. There would be a speed Limit of 15 km/hr on approach to the Lachlan Valley Way Site Entrance intersection.	Compliant
· procedures to ensure that drivers to and from the development adhere to the designated over-dimensional and heavy vehicle routes; and	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	Appendix 5	Compliant
· procedures to ensure that drivers to and from the development implement safe driving practices;	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	Safe driving practices included	Compliant

(c) include a detailed program to monitor and report on the effectiveness of these measures and the code of conduct.	Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	Addressed in Section 7.6.	Compliant
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Following the Secretary's approval, the Applicant must implement the Traffic Management Plan.	Site inspection; Bango Wind Farm, Traffic Management Plan June 2019 (CWP); Bango Wind Farm (SSD 6686) - Management Plans, letter of approval DPIE dated 18 June 2019; and Bango Wind Farm Draft Traffic Management Plan - SWT12/00141, email correspondence from RMS 7 May 2019	TMP has been prepared, approved 18 June 2019 and CWP has uploaded to their website	Compliant
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**AVIATION**  
**Notification of Aviation Authorities**

3.29	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;	CWP provided and consulted documentation with CASA and the RAAF as approved in letter dated 23 May 2019.	Compliant
Prior to the construction of any wind turbine or wind monitoring mast, the Applicant must provide the following information to CASA, Airservices Australia and the RAAF (together the authorities):			

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #	Evidence collected	EMM IEA	Audit findings and recommendations	Compliance status
	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;		The letter dated 23 May 2019, from CASA states that the coordinates and estimates survey heights of each turbine must be reported to Airservices Australia Vertical Obstacle Database, once Development Approval is granted to ensure that the location of the Wind Farm can be mapped for the information of pilots. As construction has not yet commenced, this is consistent with the requirements of a).	Compliant
(a)	co-ordinates of latitude and longitude of each turbine and mast;	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;	As above.	Compliant
(b)	the final height of each wind turbine and mast in Australian Height Datum;	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;	As above.	Compliant
(c)	ground level at the base of each wind turbine and mast in Australian Height Datum;	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;	As above.	Compliant
(d)	confirmation of compliance with any OLS; and	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;	As above.	Compliant
(e)	details of any proposed aviation hazard lighting.	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ; Bango Wind Farm - Request for CASA Review, dated 23 May 2019; and CASA Reply - Bango Wind Farm- lighting review, email correspondence CASA, dated 23 May 2019;	No WTG in the amended design will penetrate any OLS or PANS-OPS surface which would define them as an obstacle and therefore may require obstacle lighting.	Compliant
3.30	Within 30 days of the installation of any wind turbine or mast, the Applicant must:	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ;	Information to be supplied to aviation authorities following construction on wind turbine or mast.	Compliant
(a)	provide confirmation to the authorities that the information that was previously provided remains accurate; or	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ;	As above	Compliant
(b)	update the information previously provided.	Bango Wind Farm Lighting review Final, Airspace Design Solutions, dated 5 February 2019 ;	As above	Compliant
<b>RADIOCOMMUNICATIONS</b>				
3.31	If the development results in the disruption to radio communications services (including point-to-point microwave links) in the area, then the Applicant must make good any disruption to these services as soon as practicable following the disruption, but no later than 1 month following notification of the disruption of the service unless the relevant service provider or user or Secretary agrees otherwise.	Bango Wind Farm, Due Diligence - Turbines within 100m of Approved locations, Rev B, Ver 1 dated 29 April 2019; Bango Wind Farm - comms link update, email correspondence with Spectrum Engineering Australia, dated 19 February 2019; and Bango Wind Farm, Complaints Register, dated December 2019 (CWP) Bango Wind Farm, Due Diligence - Turbines within 100m of Approved locations, Rev B, Ver 1 dated 29 April 2019; Bango Wind Farm - comms link update, email correspondence with Spectrum Engineering Australia, dated 19 February 2019; and Bango Wind Farm, Complaints Register, dated December 2019 (CWP)	It is noted that CWP undertook a review of communication links and no complaints have been received to date.  No disputes to date	Compliant  Not triggered
<b>BUSHFIRE</b>				
3.32	The Applicant must:	EIS (2016); EMS (2019); and Site inspection	Section 16 of the EIS (2016) states that fire and bushfire impacts of the project have been assessed by ERM. Figure 16.1 outlines the bushfire hazards across the project site.	Compliant
(a)	ensure that the development: · provides for asset protection in accordance with the RFS's <i>Planning for Bushfire Protection 2006</i> (or equivalent); and · is suitably equipped to respond to any fires on site;	EIS (2016); EMS (2019); and EIS (2016); EMS (2019); and Site inspection		
(b)	develop procedures to manage potential fires on site, in consultation with RFS; and	Consultation has commenced, however due to extreme bushfire weather and no available resources at RFS.	The proponent is in consultation with the NSW RFS. CWP is to continue consultation and document evidence of requirements when received.	Compliant
(c)	assist the RFS and emergency services as much as possible if there is a fire in the vicinity of the site.	N/A	No request made to assist to date	Compliant
<b>SAFETY</b>				

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #

**Evidence collected**

**EMM IEA**

**Audit findings and recommendations**

**Compliance status**

3.33	No evidence collected	CWP is to prepare and implement a Safety Management Plan prior to the commencement of operations and be able to provide evidence of plan in the next audit period	Not triggered
	The Applicant must:		
	(a) prepare a Safety Management System for the development in accordance with the Department's <i>Hazardous Industry Planning Advisory Paper No. 9, 'Safety Management'</i> prior to the commencement of operation; and	No evidence collected	As above
	(b) implement, and if necessary update, the system over the remaining life of the development.	No evidence collected	As above.

**WASTE**

3.34	Site inspection; Site interview; Bango Wind Farm, Environmental Management Strategy May 2019 (CWP); and EIS (2016)	Prior to commencement of construction the EPC will prepare the construction environmental management plans and programs, including Waste Management Plan. (section 18.4 8.2: Table 21.1, EIS 2016).	Compliant
	The Applicant must:		
	(a) minimise the waste generated by the development;	As outlined in EMS (2019), Section 5.1, waste generation and management will be monitored weekly. Waste management is undertaken at the site and evidence of separation of wastes and recycling of wastes was observed at the site.	Compliant
	(b) classify all waste in accordance with the EPA's <i>Waste Classification Guidelines 2014</i> (or its latest version);		Compliant
	(c) store and handle all waste generated on site in accordance with its classification;		Compliant
	(d) not receive or dispose of any waste on site; and		Compliant
	(e) ensure all waste is disposed of at appropriately licenced waste facilities.		Compliant

**REHABILITATION & DECOMMISSIONING**

**Rehabilitation Objectives – Decommissioning**

Within 18 months of the cessation of operations, unless the Secretary agrees otherwise, the Applicant must rehabilitate the site to the satisfaction of the Secretary. This rehabilitation must comply with the objectives in Table 5.

3.35	Table 5: Rehabilitation Objectives	N/A	Construction yet commenced	Not triggered																		
			As above	Not triggered																		
	<table border="1"> <thead> <tr> <th>Feature</th> <th>Objective</th> </tr> </thead> <tbody> <tr> <td>Development site (as a whole)</td> <td> <ul style="list-style-type: none"> <li>Safe, stable and non-polluting</li> <li>Minimise the visual impact of any above ground ancillary infrastructure agreed to be retained for an alternative use as far as is reasonable and feasible</li> </ul> </td> </tr> <tr> <td>Revegetation</td> <td> <ul style="list-style-type: none"> <li>Restore native vegetation generally as identified in the EIS</li> <li>To be decommissioned and removed, unless the Secretary agrees otherwise</li> </ul> </td> </tr> <tr> <td>Above ground wind turbine infrastructure (excluding wind turbine pads)</td> <td> <ul style="list-style-type: none"> <li>To be covered with soil and/or rock and revegetated</li> </ul> </td> </tr> <tr> <td>Wind turbine pads</td> <td> <ul style="list-style-type: none"> <li>To be decommissioned and removed, unless an agreed alternative use is identified to the satisfaction of the Secretary</li> </ul> </td> </tr> <tr> <td>Above ground ancillary infrastructure</td> <td> <ul style="list-style-type: none"> <li>To be decommissioned and removed, unless an agreed alternative use is identified to the satisfaction of the Secretary</li> </ul> </td> </tr> <tr> <td>Internal access roads</td> <td> <ul style="list-style-type: none"> <li>Restore or maintain land capability as described in the EIS</li> </ul> </td> </tr> <tr> <td>Land use</td> <td> <ul style="list-style-type: none"> <li>Ensure public safety</li> </ul> </td> </tr> <tr> <td>Community</td> <td></td> </tr> </tbody> </table>	Feature	Objective	Development site (as a whole)	<ul style="list-style-type: none"> <li>Safe, stable and non-polluting</li> <li>Minimise the visual impact of any above ground ancillary infrastructure agreed to be retained for an alternative use as far as is reasonable and feasible</li> </ul>	Revegetation	<ul style="list-style-type: none"> <li>Restore native vegetation generally as identified in the EIS</li> <li>To be decommissioned and removed, unless the Secretary agrees otherwise</li> </ul>	Above ground wind turbine infrastructure (excluding wind turbine pads)	<ul style="list-style-type: none"> <li>To be covered with soil and/or rock and revegetated</li> </ul>	Wind turbine pads	<ul style="list-style-type: none"> <li>To be decommissioned and removed, unless an agreed alternative use is identified to the satisfaction of the Secretary</li> </ul>	Above ground ancillary infrastructure	<ul style="list-style-type: none"> <li>To be decommissioned and removed, unless an agreed alternative use is identified to the satisfaction of the Secretary</li> </ul>	Internal access roads	<ul style="list-style-type: none"> <li>Restore or maintain land capability as described in the EIS</li> </ul>	Land use	<ul style="list-style-type: none"> <li>Ensure public safety</li> </ul>	Community			As above	Not triggered
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Community																						

**Progressive Rehabilitation**

3.36	The Applicant must:			
	(a) rehabilitate all areas of the site not proposed for future disturbance progressively, that is, as soon as reasonably practicable following construction or decommissioning;	N/A	Construction yet commenced	Not triggered
	(b) minimise the total area exposed at any time; and	N/A	Construction yet commenced	Not triggered
	(c) employ interim rehabilitation strategies to minimise dust generation, soil erosion and weed incursion on parts of the site that cannot yet be permanently rehabilitated.	N/A	Construction yet commenced	Not triggered

**Dismantling of Wind Turbines**

		EMM IEA	
Evidence collected	Audit findings and recommendations	Compliance status	
3.37	Any individual wind turbines which cease operating for more than 12 consecutive months must be dismantled within 18 months after that 12 month period, unless the Secretary agrees otherwise.	N/A	Construction yet commenced Not triggered
<b>ENVIRONMENTAL MANAGEMENT</b> <b>Environmental Management Strategy</b>			
4.1	Prior to the commencement of construction, the Applicant must prepare an Environmental Management Strategy for the development to the satisfaction of the Secretary. This strategy must:	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP); and Bango Wind Farm (SSD 6686) Environmental Management Strategy, letter correspondence DPIE dated 7 June 2019	Evidence of EMS dated May 2019 and DPIE approval dated June 2019 Compliant
(a)	provide the strategic framework for environmental management of the development;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Evidence of strategic framework (Do, Check, Act) Section 2 of EMS 2019 Compliant
(b)	identify the statutory approvals that apply to the development;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Evidence of statutory approvals, Section 3 of EMS 2019 Compliant
(c)	describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the development;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Evidence of all responsibilities, Section 4. This includes the Principal Project Manager, Project Environmental Officer, Independent Environmental Auditor, EPC Manager and Environmental Officer and all employees and contractors, as described in Table 4.1. Compliant
(d)	describe the procedures that would be implemented to:	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	EMS (2019) Section 4.3.2 Section 4.3.2 - As described CWP will implement external communication methods such as, project website, social Media, advertisements, letters, emails and information/complaints telephone line. The Principal Project Manager will be the primary point for contact for all external communication throughout construction. The primary contact during Operations will be determined prior to the commencement of that stage. Compliant
	• keep the local community and relevant agencies informed about the operation and environmental performance of the development;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 4.4.1 - As outlined CWP will maintain a 24-hour telephone number, postal address and email address to receive complaints during construction and operation. The Complaints Register will record: (a) Date and time of complaint/enquiry; (b) Type of communication (i.e. telephone, mail, meeting, email etc.); (c) Name, address, contact telephone number of complainant/enquirer (if possible, and permitted by the complainant/enquirer); (d) Nature of the complaint and enquiry; (e) Actions taken in response including timeframes for implementing the action; (f) If no action was taken, the justification for why not; and (g) When and how the complainant/enquirer was notified of the outcome or provided an answer. Furthermore, the project will handle a complaints register which will be placed on the project website, updated regularly. Compliant
	• receive, handle, respond to, and record complaints;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 4.4.2 - CWP has stated all complaints will be responded to within 48 hours. A meeting will be held with senior team members and environmental officer (or other relevant technical expert) to clarify the dispute and actions taken to date. An investigation will be undertaken to assess the nature of the dispute and possible mitigation measures / resolution. The results of such investigation will be reported to the affected party with the aim of reaching a mutual agreement between parties. This agreement will be documented and implementation monitored in accordance with the agreed actions and timeframes. Where considered appropriate, an independent person may be asked to provide advice on the investigation and resolution. Compliant
	• resolve any disputes that may arise;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 4.4.2 - In event that a complaint cannot be resolved, either party may refer the dispute to the Secretary for resolution in accordance with the Development Consent. Compliant
	• respond to any non-compliance;	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 4.6 - An Emergency Response Plan (ERP) will be prepared by the EPC Contractor prior to the commencement of construction. The ERP will be adapted for the operations phase and will form a component of the Safety Management System required by Schedule 3, Condition 33 of the Development Consent. Compliant
	• respond to emergencies; and	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 3.5 Compliant
(e)	include:	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 3.5 Compliant

		Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
		Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	<p>Section 3.5 - The specific plans as outlined and required in addition to the EMS are:</p> <ul style="list-style-type: none"> <li>- Biodiversity Management Plan;</li> <li>- Bird and Bat Adaptive Management Plan;</li> <li>- Heritage Management Plan;</li> <li>- Traffic Management Plan; and</li> <li>- Safety Management Plan.</li> </ul> <p>As outlined, The Project Environmental Officer will be responsible for maintaining the management plans and making the plans available to staff, contractors and the public via the Project website. All staff and contractors will be responsible for conducting Project related works in accordance with the management plans. The Environmental Management Plans, prepared subject to the Development Consent, will form the basis for the CEMP, created by the EPC, who will be required to demonstrate management measures and strategies to ensure compliance with the Plans. Compliance with the plans and implementation will largely be the responsibility of the EPC and who is responsible for demonstrating compliance. The Project Environmental Officer will maintain a register of all plans and monitoring and will ensure they are easily accessible to all staff and contractors.</p>	Compliant
	<ul style="list-style-type: none"> <li>• copies of (or reference to) any strategies, plans and programs approved under the conditions of this consent; and</li> <li>• a clear plan depicting all the monitoring to be carried out in relation to the development, including a table summarising all the monitoring and reporting obligations under the conditions of this consent.</li> </ul>	Bango Wind Farm, Environmental Management Strategy May 2019 (CWP)	Section 5.1 - Table 5.1 - Monitoring Activities	Compliant
	Following the Secretary's approval, the Applicant must implement the Environmental Management Strategy.	<p>Bango Wind Farm, Environmental Management Strategy May 2019 (CWP);</p> <p>Bango Wind Farm (SSD 6686) Environmental Management Strategy, letter correspondence DPIE dated 7 June 2019;</p> <p>Site inspection; and</p> <p>Site interview</p>	Sighted evidence of DPIE approval. EMS has been uploaded on project website and implemented on site. The audit inspection found no discrepancies whilst on site. EMM recommends CWP to maintain compliance as required via the EMS during construction and operation phases of project.	Compliant
<b>Revision of Strategies, Plans and Programs</b>				
4.2	<p>Within 3 months of the submission of:</p> <p>(a) the submission of an incident report under condition 4 below;</p> <p>(b) an independent environmental audit report under condition 6 below; or</p> <p>(c) any modification to the conditions of this consent (unless the conditions require otherwise), the Applicant must review and, if necessary, revise the strategies, plans, and programs required under this consent to the satisfaction of the Secretary. Where this review leads to revisions in any such document, then within 4 weeks of the review the revised document must be submitted to the Secretary for approval.</p> <p><i>Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the development.</i></p>	<p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>No incident report, independent audit or modification to conditions to date.</p> <p>As above</p> <p>As above</p> <p>As above</p> <p>As above</p> <p>As above</p>	<p>Not triggered</p> <p>Not triggered</p> <p>Not triggered</p> <p>Not triggered</p> <p>Not triggered</p> <p>Not triggered</p>
<b>Community Consultative Committee</b>				
4.3	The Applicant must operate a Community Consultative Committee for the development to the satisfaction of the Secretary and in accordance with the <i>Community Consultative Committee Guidelines for State Significant Project (2016)</i> , or its latest version.	Website reviewed and noted to contain information required	CWP operates and maintains a CCC and the last meeting was held in November, which meets every 3 months.	Compliant
<b>REPORTING INCIDENT NOTIFICATION</b>				
4.4	The Department must be notified in writing to <a href="mailto:compliance@planning.nsw.gov.au">compliance@planning.nsw.gov.au</a> immediately after the Applicant becomes aware of the incident. The notification must identify the development, including the development application number and the name of the development, and set out the location and nature of the incident.	No incidents recorded at the time of the audit		Compliant
<b>NON-COMPLIANCE NOTIFICATION</b>				

**SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

Cond. #	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status	
4.5	The Department must be notified in writing to <a href="mailto:compliance@planning.nsw.gov.au">compliance@planning.nsw.gov.au</a> within 7 days after the Applicant becomes aware of any non-compliance. The notification must identify the development and the application number for it, set out the condition of consent that the development is non-compliant with, the way in which it does not comply and the reasons for the non-compliance (if known) and what actions have been done, or will be undertaken, to address the non-compliance.	Bango Wind Farm, Compliance Register, last updated December 2019 (CWP)  Compliance register has been prepared and implemented with no noncompliances recorded to date.	Compliant	
<b>INDEPENDENT ENVIRONMENTAL AUDIT</b>				
4.6	Within 6 months of the commencement of construction, and every 3 years thereafter, unless the Secretary directs otherwise, the Applicant must commission and pay the full cost of an Independent Environmental Audit (audit) of the development. These audits must: (a) be led and conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Secretary;  (b) be carried out in consultation with the relevant agencies; (c) assess whether the development complies with the relevant requirements in this consent, and any strategy, plan or program required under this consent; and  (d) recommend appropriate measures or actions to improve the environmental performance of the development and any strategy, plan or program required under this consent. Within 3 months of commissioning this audit, or unless otherwise agreed by the Secretary, a copy of the audit report must be submitted to the Secretary, and any other NSW agency that requests it, together with a response to any recommendations contained in the audit report, and a timetable for the implementation of the recommendations. The recommendations must be implemented to the satisfaction of the Secretary	This is the first audit required under this condition  Next audit is scheduled for December 2020  Approval from DPIE for EMM (David Bone and Claire Burnes)  Audit has been carried out with consideration of relevant agencies  General compliance  Recommendations provided in audit report  First audit to date  No recommendations to date as this is the first audit triggered by consent	Compliant  Compliant  Compliant  Compliant  Compliant	
<b>ACCESS TO INFORMATION</b>				
4.7	The Applicant must:  (a) make the following information publicly available on its website as relevant to the stage of the development:  · the EIS;  · the final layout plans for the development;  · current statutory approvals for the development;  · approved strategies, plans or programs required under the conditions of this consent; · the proposed staging plans for the development if the construction, operation and/or decommissioning of the development is to be staged;  · a comprehensive summary of the monitoring results of the development, which have been reported in accordance with the various plans and programs approved under the conditions of this consent;  · a complaints register, which is to be updated on a monthly basis; · minutes of CCC meetings;  · the annual Statement of Compliance with the EPL; · any independent environmental audit, and the Applicant's response to the recommendations in any audit; and	<a href="https://bangowindfarm.com.au/">https://bangowindfarm.com.au/</a>  <a href="https://bangowindfarm.com.au/">https://bangowindfarm.com.au/</a>  <a href="https://bangowindfarm.com.au/wp-content/uploads/2018/05/01.-Bango-Wind-Farm-EIS-Main-Report.pdf">https://bangowindfarm.com.au/wp-content/uploads/2018/05/01.-Bango-Wind-Farm-EIS-Main-Report.pdf</a>  <a href="https://bangowindfarm.com.au/wp-content/uploads/2019/07/190515_BWF_Final-Layout.pdf">https://bangowindfarm.com.au/wp-content/uploads/2019/07/190515_BWF_Final-Layout.pdf</a>  <a href="https://bangowindfarm.com.au/planning-and-approvals/">https://bangowindfarm.com.au/planning-and-approvals/</a>  <a href="https://bangowindfarm.com.au/planning-and-approvals/">https://bangowindfarm.com.au/planning-and-approvals/</a>  <a href="https://bangowindfarm.com.au/planning-and-approvals/">https://bangowindfarm.com.au/planning-and-approvals/</a>  <a href="https://bangowindfarm.com.au/">https://bangowindfarm.com.au/</a>  <a href="https://bangowindfarm.com.au/wp-content/uploads/2019/12/BWF_Complaints-Register_Dec19.pdf">https://bangowindfarm.com.au/wp-content/uploads/2019/12/BWF_Complaints-Register_Dec19.pdf</a>  <a href="https://bangowindfarm.com.au/community/">https://bangowindfarm.com.au/community/</a>  N/A N/A	Project website established and updated second month  Project website established and updated second month  EIS (2016) has been sighted on website  Final approved layout is uploaded  Current and approved plans as required: - EMS (2019); - TMP (2019); - BMP (2019); - HMP (2019); and - CCC minutes  No staging is proposed.  As operation has not yet commenced, there are no monitoring reports.  Complaints register uploaded and last updated December 2019.  CCC minute meetings have been uploaded  No evidence due to operation not commenced. Triggered in next audit period.  This is the first audit triggered. No recommendations to date to action.	Compliant  Compliant  Compliant  Compliant  Compliant  Not triggered  Not triggered  Compliant  Compliant  Not triggered  Not triggered

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Cond. # **SCHEDULE 3: ENVIRONMENTAL CONDITIONS - GENERAL**

	Evidence collected	EMM IEA Audit findings and recommendations	Compliance status
· any other matter required by the Secretary; and (b) keep this information up to date.	N/A <a href="https://bangowindfarm.com.au/">https://bangowindfarm.com.au/</a>	As above All information is current	Not triggered Compliant

---

Appendix B

# Appendix B – DPIE Approval of Team

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Leanne Cross  
Environmental Manager  
CWP Renewables Pty Ltd  
PO Box 1708  
NEWCASTLE NSW 2300

Contact: Dr Paul Rutherford  
Phone: 02 6229 7904  
Email: [compliance@planning.nsw.gov.au](mailto:compliance@planning.nsw.gov.au)  
Our Ref: SSD\_6686

[Leanne.Cross@cwprenewables.com](mailto:Leanne.Cross@cwprenewables.com)

11 December 2019

Dear Ms Cross

**Bango Wind Farm – (SSD 6686)**  
**Appointment of Independent Environmental Auditors**

Thank you for your letter of 28 November 2019 on behalf of CWP Renewables Pty Ltd, seeking approval of an audit team for the upcoming Independent Environmental Audit (audit) required by schedule 4, condition 6 of development consent SSD\_6333 (the consent) for the Bango Wind Farm.

Having considered the qualifications and experience of Mr David Bone and Ms Claire Burnes, the Secretary endorses their appointment in accordance with schedule 4, condition 6 of the consent. This approval is conditional on Mr Bones and Ms Burnes being independent of the development.

The audit is to be conducted in accordance with the conditions of the approval, and the Department's *Independent Audit Guideline* (October 2015) which is available at:

<https://www.planning.nsw.gov.au/-/media/Files/DPE/Guidelines/independent-audit-guideline-2015-10-23.pdf?la=en>

The audit report is to include:

1. details of consultation with the relevant agencies, including but not limited to the relevant local council(s) and the Environment Protection Authority;
2. a compliance table indicating the compliance status of each consent condition;
3. use of the compliance status descriptors “compliant”, “non-compliant” or “not triggered” are to be used. Terms such as “partial compliance”, “partial non-compliance”, “not verified” or other similar terms should not be used;
4. recommended actions to address any non-compliance identified, prioritised according to the significance of the non-compliance;
5. a review of the adequacy of plans and programs required under the consent; and
6. identification of opportunities for improved environmental management and performance of the project.

Within 3 months of commencing the audit, unless otherwise agreed by the Secretary, CWP Renewables Pty Ltd is to submit a copy to the audit report to the Secretary, together with its response to any recommendations contained in the audit report and a timetable for implementation of the recommendations.

A copy of the audit report should be submitted to any other NSW agency that requests it.

Should you wish to discuss the above, please contact Dr Paul Rutherford on (02) 6229 7904.

Yours sincerely,



Shelley McPhee  
**Team Leader Compliance**  
*As nominee of the Secretary*

---

Appendix C

# Appendix C – Consultation

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## David Bone

---

**From:** Michael Heinze <Michael.Heinze@epa.nsw.gov.au>  
**Sent:** Tuesday, 17 December 2019 8:56 AM  
**To:** Claire Burnes  
**Cc:** David Bone; Jessica Bowditch; Janine Goodwin  
**Subject:** RE: H190811 - Bango Wind Farm - Independent environmental audit - EPA feedback

Hi Claire

Thanks for getting in contact regarding the EPA's regulation of EPL 21286 for the Bango Wind Farm.

Your summary of the EPA's position is correct, noting that the issues listed have been identified from the EPA's experience in regulating similar wind farm construction projects since they were included as a scheduled activity in the Protection of the Environment Operations Act 1997 in 2013. I've checked again with my colleague who has had the most exposure to wind farm construction issues, and we agree that the issues as listed are the most critical.

I would be interested to see the outcome of your audit in due course, particularly if there are areas of concerns noted in your report which are directly relevant to the EPA's regulation of the project.

Regards  
Michael

### Michael Heinze

#### Regional Operations Officer – South East Region

South and West Branch, NSW Environment Protection Authority  
+61 2 6229 7002 +61 0408 695 070

[michael.heinze@epa.nsw.gov.au](mailto:michael.heinze@epa.nsw.gov.au) [www.epa.nsw.gov.au](http://www.epa.nsw.gov.au)  @EPA NSW

**Report pollution and environmental incidents 131 555 (NSW only) or +61 2 9995 5555**



Please send all official electronic correspondence to [queanbeyan@epa.nsw.gov.au](mailto:queanbeyan@epa.nsw.gov.au)

---

**From:** Claire Burnes <cburnes@emmconsulting.com.au>  
**Sent:** Monday, 16 December 2019 4:28 PM  
**To:** Michael Heinze <Michael.Heinze@epa.nsw.gov.au>  
**Cc:** David Bone <dbone@emmconsulting.com.au>; Jessica Bowditch <jbowditch@emmconsulting.com.au>  
**Subject:** H190811 - Bango Wind Farm - Independent environmental audit - EPA feedback

Hi Michael,

Thankyou for speaking to me earlier regarding this project.

As discussed, EMM Consulting Pty Limited (EMM) has been engaged by CWP Renewables (CWP) to undertake an independent environmental audit (IEA) of the Bango Wind Farm.

In accordance with CWP's development consent (SSD 6686) for the project, specifically Schedule 4, Condition 6, an independent environmental audit of the development is to be undertaken within 6 months of the commencement of construction. Construction commenced in August 2019, as such, the IEA will audit pre-construction related requirements and construction related activities undertaken to date, with the site audit scheduled to occur Tuesday 17 December 2019.

In accordance with the Independent Audit: Post Approval Requirements (NSW Department of Planning and Environment 2018) the IEA will include an assessment of compliance with SSD 6686 conditions of consent, post approval management plans prepared to satisfy conditions of consent, an assessment of compliance with the Environment Protection Licence (EPL 21286), and an assessment of environmental performance at the site.

We seek your comment on the compliance with conditions relevant to your agency and any general comments you have on environmental performance that we should consider in the IEA.

Based on our earlier conversation, I understand the following to be a summary of the EPA's position regarding the project:

- EPA has no specific concerns regarding this project to date;
- EPA officers are yet to attend the site to review construction progress and practices, however an EPL is in place, compliance against which will be reviewed by the EPA in the future;
- The EPA South East Region has substantial experience in dealing with wind farm projects in the region, and notes that the following issues are generally of particular interest given the nature of these projects:
  - Sediment and erosion control and associated potential for water pollution, specifically associated with watercourse crossings, road construction and construction of turbine bases
  - Dust, generally associated with truck movements on unformed roads
  - Noise, noting that concrete batching/pouring is often undertaken early or late in the workday to avoid the hottest part of the day, and this can lead to noise related issues with nearby receptors

I would appreciate if you could please confirm the above, and advise of any other matters you believe are relevant to this audit.

Should you have any questions, please do not hesitate to contact me.

Regards,  
Claire

**Claire Burnes**

Associate – Environment, Community, Approvals and Delivery



**T** 02 4907 4800

**M** 0477 717 272

**D** 02 4907 4804

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## David Bone

---

**From:** Terry Cooper <Terry.Cooper@yass.nsw.gov.au>  
**Sent:** Wednesday, 15 January 2020 10:52 AM  
**To:** Claire Burnes  
**Subject:** Bango Wind Farm - Independent environmental audit - Yass Valley Council feedback - H190811 -

Hi

All requirements related to Development Consent (SSD 6686) associated with Environmental Conditions – Transport as it relates to Yass Valley Council have been undertaken and we are satisfied that they meet the consent requirements.

**Terry Cooper** | Engineering Services Manager | **Yass Valley Council**  
D: +61 (0)2 6226 9274 | M: +61 (0)407 184 376 | P: +61 (0)2 6226 1477  
E: Terry.Cooper@yass.nsw.gov.au | W: [www.yassvalley.nsw.gov.au](http://www.yassvalley.nsw.gov.au)

### *Working Together for our Community*

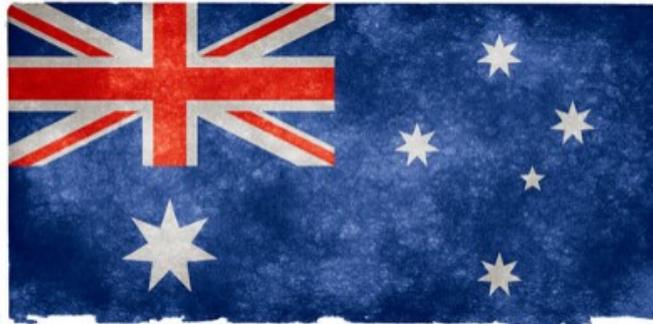
Follow us on:



yass valley council  
the country the people

### **Celebrate Australia Day in Yass Valley!**

**Where:**  
Coronation Park, Yass  
**When:**  
Sunday, 26 January 2020  
**Time:**  
Breakfast available from 7.30am  
with official proceedings to start at  
8.00am



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---

**From:** Claire Burnes <cburnes@emmconsulting.com.au>  
**Sent:** Tuesday, 14 January 2020 5:20 PM  
**To:** Terry Cooper <Terry.Cooper@yass.nsw.gov.au>  
**Subject:** RE: H190811 - Bango Wind Farm - Independent environmental audit - Yass Valley Council feedback

Hi Terry,

I appreciate that you may still be on leave or have only just returned to work, but I just wanted to follow up on my email below regarding the audit that we are currently undertaking.

I'd appreciate if you could please touch base at your earliest convenience so that we can consider any feedback/input from Council as part of our review.

Regards,  
Claire

**Claire Burnes**

Associate – Environment, Community, Approvals and Delivery



**T** 02 4907 4800  
**M** 0477 717 272  
**D** 02 4907 4804  
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---

**From:** Claire Burnes  
**Sent:** Monday, 16 December 2019 8:24 PM  
**To:** [Terry.Cooper@yass.nsw.gov.au](mailto:Terry.Cooper@yass.nsw.gov.au)  
**Cc:** David Bone <[dbone@emmconsulting.com.au](mailto:dbone@emmconsulting.com.au)>; Jessica Bowditch <[jbowditch@emmconsulting.com.au](mailto:jbowditch@emmconsulting.com.au)>  
**Subject:** H190811 - Bango Wind Farm - Independent environmental audit - Yass Valley Council feedback

Hi Terry,

EMM Consulting Pty Limited (EMM) has been engaged by CWP Renewables (CWP) to undertake an independent environmental audit (IEA) of the Bango Wind Farm, located north of Yass off the Lachlan Valley Way.

In accordance with CWP’s development consent (SSD 6686) for the project, specifically Schedule 4, Condition 6, an independent environmental audit of the development is to be undertaken within 6 months of the commencement of construction. Construction commenced in August 2019, as such, the IEA will audit pre-construction related requirements and construction related activities undertaken to date, with the site audit scheduled to occur Tuesday 17 December 2019.

In accordance with the Independent Audit: Post Approval Requirements (NSW Department of Planning and Environment 2018) the IEA will include an assessment of compliance with SSD 6686 conditions of consent, post approval management plans prepared to satisfy conditions of consent, an assessment of compliance with the Environment Protection Licence (EPL 21286), and an assessment of environmental performance at the site.

We seek your comment on the compliance with conditions relevant to your agency and any general comments you have on environmental performance that we should consider in the IEA.

Should you have any questions, please do not hesitate to contact me.

Regards,  
Claire

**Claire Burnes**

Associate – Environment, Community, Approvals and Delivery



**T** 02 4907 4800

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Appendix D

## Appendix D- Inspection photos

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**Photograph D.1**      **Boundary Control Installation for road construction**



**Photograph D.2**      **Dust from vehicle on final road surface. Limited water used on final surface due to very low water supply**



**Photograph D.3** Access road and view of administration buildings



**Photograph D.4** Movement and operation of trucks onsite



**Photograph D.5** Protection of vegetation and heritage site delineation



**Photograph D.6** Creek crossing under construction. Scour protection installed and pipe crossing in place



**Photograph D.7** Water Cart in use near active construction area



**Photograph D.8** Stockpile area setup of erosion controls (bunded areas installed as slope breaks)



**Photograph D.9** Corridor boundary, in distance, road construction boundary, in foreground



**Photograph D.10** Retained vegetation delineated with flagging



**Photograph D.11** example of narrowed access road avoiding habitat trees and vegetated areas



**Photograph D.12** Sub Station construction area with controls and delineation in place



**Photograph D.13** Completed access road area with erosion controls and final road surface. Approved 200m corridor flagging visible on the left and right edges



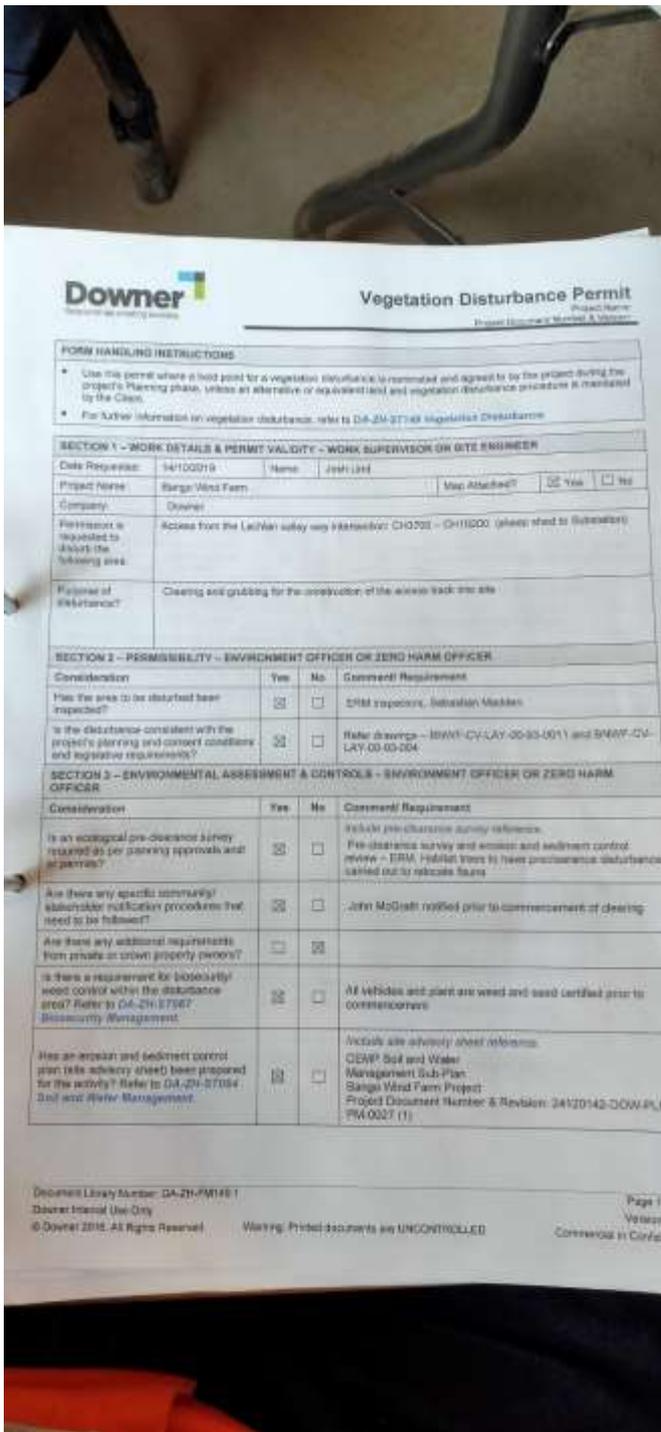
Photograph D.14 Waste separation at main compound



Photograph D.15 Mobile spill kits in vehicles



Photograph D.16 Lockable, self banded flammable goods storage



Photograph D.17 Vegetation Disturbance Permit – Construction

246 #

**Downer**  
Resource Group Limited

**Site Induction Record**

**SECTION 1 - INDUCER DETAILS**

Inducer Name: Alex Middleton Company: Rodgers Electrical

Origin:  Visitor  Contractor  Contract Employee  Service Provider

Risk Location/Project: Under work Responsible Host: \_\_\_\_\_

Do you identify as Aboriginal Torres Strait Islander?  Yes  No

**SECTION 2 - INDUCTION CHECKLIST** (Responsible Host to discuss applicable items with the Inducer)

Induction Item	Discussed?
All visitors must sign in to the Visitors Register on entry and sign out on leaving	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Emergency evacuation procedure (including emergency assembly areas) (Refer to per site Emergency Management Plan/page)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
All incidents (including no harm incidents) and hazards signed must be reported to the Responsible Host	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Reporting procedures for incidents, hazards and near misses	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Location of toilets, drinking water, shelter and other amenities	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Site PPE Requirements: <input type="checkbox"/> Checked in locker for office area, QES <input checked="" type="checkbox"/> Safety footwear <input checked="" type="checkbox"/> Hi-Viz <input type="checkbox"/> Safety Glasses <input checked="" type="checkbox"/> Hearing Protection <input checked="" type="checkbox"/> Long sleeves & pants <input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Smoking restrictions / alcohol and drugs	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Zero tolerance to alcohol and other things in the workplace	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Site Traffic Management, including but not limited to: • Pedestrian/vehicle (plant) interaction, e.g. Zone of Understanding exclusion • Parking, movement, speed limits) and designated walkways.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Site entry and access restrictions	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Site environmental management and housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Emergency Preparedness: • First Aid personnel and kit location • Fire equipment (i.e. only if safe to do so and trained to do so) • Safety data sheets location	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Location of applicable safe work procedures, e.g. SWMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Lock-out and tag-out stations points • Safety tags and Out of Service tags located on Zero Harm notice board	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Fatigue management and work hours	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Additional Site Specific Critical Risk(s) Check, including critical controls	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
<b>Cardinal Rules Above Safety</b>	<input type="checkbox"/> Yes

**SECTION 3 - DECLARATION**

I have received and understood instructions provided in accordance with the above checklist.

Inducer Signature: \_\_\_\_\_ Date: 12/12/19

Responsible Host Signature: \_\_\_\_\_ Date: 12-12-19

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Photograph D.18 Site Induction record



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**Hygiene Inspection Form**

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**VEHICLE DETAILS**

Type: Toyota  Excavator  Dump Truck  Light Vehicle  Dozer  Truck  Trailer  
 Loader  Forklift  Back hoe  Crane  Mulcher  
 Other (What is it?)

Make (Toyota Hilux, 80 T Truck): Toyota Hilux Registration Number: CS-75-BZ

**TRANSPORT / OPERATOR DETAILS**

From (origin location): Yass NSW To (destination location): BWF  
 Checklist Inspection Time/Date: 11-12-19 0800 Operator Name: Robby Sinclair  
 Telephone Number: 0456 397 234

**CHECKLIST (ONLY TICK THOSE APPLICABLE)**

General Area	Specific Item	How Cleaned
Vehicle Interior & Boot	<input checked="" type="checkbox"/> Footwells/Torn seats <input checked="" type="checkbox"/> Carpet/Mats <input type="checkbox"/> Tool box <input type="checkbox"/> Boot <input type="checkbox"/> Spare Tyre <input checked="" type="checkbox"/> Trailer pin plugs <input checked="" type="checkbox"/> Tow Hitch <input checked="" type="checkbox"/> Rear Bumpers <input checked="" type="checkbox"/> Air Conditioner Filter	<input type="checkbox"/> Vacuum <input type="checkbox"/> Chemical Disinfection <input checked="" type="checkbox"/> Brush <input type="checkbox"/> Other (specify)
Engine Bay	<input checked="" type="checkbox"/> Radiator, Grill & Fan <input type="checkbox"/> glacier plate <input type="checkbox"/> gear box (top) <input checked="" type="checkbox"/> Under Batteries <input checked="" type="checkbox"/> Recess under windscreen wipers <input checked="" type="checkbox"/> Inside Wheel Arches <input type="checkbox"/> Inside Bonnet Skins <input checked="" type="checkbox"/> Air Filter Boxes & Air Cleaners <input checked="" type="checkbox"/> Void spaces between oil & radiator core, engine & gear box <input checked="" type="checkbox"/> Behind/under removable fuel cells	<input type="checkbox"/> Vacuum <input type="checkbox"/> Chemical Disinfection <input type="checkbox"/> Washing <input checked="" type="checkbox"/> Brush <input type="checkbox"/> Other (specify)
Underside/Chassis	<input checked="" type="checkbox"/> Wheel arches, fenders, fenders, bumpers <input type="checkbox"/> idler wheels <input checked="" type="checkbox"/> Behind Tyre Rims, tyre guards, tyre cuts/gashes <input checked="" type="checkbox"/> under all guards & fenders <input type="checkbox"/> Dust dishes <input type="checkbox"/> tum tables <input checked="" type="checkbox"/> Axle/Differential <input type="checkbox"/> fuel tanks (on top) <input type="checkbox"/> ute trays <input checked="" type="checkbox"/> under chassis rails and channels <input type="checkbox"/> mounting brackets <input checked="" type="checkbox"/> spring hangers (above) & between spring leads <input checked="" type="checkbox"/> Inside track/track frames <input type="checkbox"/> Hydraulic cover plates <input checked="" type="checkbox"/> Belly Plates <input type="checkbox"/> Between Dual Wheels <input type="checkbox"/> Rear plates <input checked="" type="checkbox"/> Hollow section chassis channels	<input type="checkbox"/> Vacuum <input type="checkbox"/> Chemical Disinfection <input type="checkbox"/> Washing <input checked="" type="checkbox"/> Brush <input type="checkbox"/> Other (specify)
Attachments	<input type="checkbox"/> Buckets, blades, scoops, carry-all, tyres <input type="checkbox"/> truncation arms <input type="checkbox"/> Cutting teeth <input type="checkbox"/> Counterweights <input type="checkbox"/> pivot point/adaptors at rear of front blade <input type="checkbox"/> stabilizer/rear wear plates <input type="checkbox"/> Cages <input type="checkbox"/> Loader Canopy <input type="checkbox"/> Hydraulic arms <input type="checkbox"/> Articulation points <input type="checkbox"/> Blade Truncation arms <input type="checkbox"/> Ripper Support frame	<input type="checkbox"/> Vacuum <input type="checkbox"/> Chemical Disinfection <input type="checkbox"/> Washing <input type="checkbox"/> Brush <input type="checkbox"/> Other (specify)

I have carried out the checklist inspection, and verified / performed cleaning as required

Inspector Name: Camaron Herbert Telephone/Mobile: \_\_\_\_\_  
 Inspection Location: BWF Inspection Date & Time: \_\_\_\_\_  
 Signature: [Signature] Title: \_\_\_\_\_

**Objective:** To minimize or prevent the spread of reproductive material (any part of the plant that is capable of reproducing seed; stem or leaf cutting; and whole plant) of declared weeds during the transportation of plant and equipment from one location (origin) to another (destination).

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Photograph D.20 Plant hygiene inspection form example



