

A world of
new energy



Annual Environmental Management Report

Cullerin Range Wind Farm

August 2020

Cullerin Range Wind Farm Pty Ltd
ABN 38 126 197 126

Head Office
Waterfront Place
Level 6, 1 Eagle Street
Brisbane QLD 4000
Australia

edlenergy.com

Table of Contents


- 1. Report Certification 3**
- 2. Statement of Compliance 4**
- 3. Introduction..... 5**
 - 3.1 Cullerin Range Wind Farm Description 5
 - 3.2 Scope 6
- 4. Approvals 8**
- 5. Operations Summary 9**
- 6. Actions Required from previous Annual Review10**
- 7. Environmental Performance11**
 - 7.1 Environmental Performance Goals11
 - 7.2 Environmental Monitoring12
- 8. Water Management.....14**
- 9. Rehabilitation.....15**
- 10. Community.....16**
 - 10.1 Complaints register.....16
- 11. Independent Audit17**
- 12. Incidents and non-compliances during the reporting period18**
- 13. Activities to be completed in the next reporting period.....19**

Appendices

- Appendix A Controls previously addressed**
- Appendix B Statement of commitment (SoC), Submission Report (SR), Conditions of Approval (CoA) -Performance**
- Appendix C Environmental Protection Licence 20430 - Performance**
- Appendix D Scientific Licence 101077 - Performance**

1. Report Certification

Table 1: Annual Environmental Management Report Summary

Item	Details
Name of Operation	Cullerin Range Wind Farm
Name of Operator	Cullerin Range Wind Farm Pty Ltd
Development consent / project approval #	05_0167
Name of holder of development consent / project approval	Cullerin Range Wind Farm Pty Ltd
Mining lease #	N/A
Name of holder of mining lease	N/A
Water licence #	N/A
Name of holder of water licence	N/A
MOP/RMP start date	N/A
MOP/RMP end date	N/A
Annual Review start date	1 July 2020
Annual Review end date	30 June 2020
<p>I, Claudia Townes, certify that this audit report is a true and accurate record of the compliance status of CULLERIN RANGE WIND FARM for the period 1 July 2019 to 30 June 2020 and that I am authorised to make this statement on behalf of Cullerin Range Wind Farm Pty Ltd ABN 38 126 197 126.</p> <p>Note.</p> <p>The Annual Review is an 'environmental audit' for the purposes of section 9.39 (previously section 122B(2)) of the Environmental Planning and Assessment Act 1979. Section 9.42 (previously section 122E) provides that a person must not include false or misleading information (or provide information for inclusion in) an audit report produced to the Minister in connection with an environmental audit if the person knows that the information is false or misleading in a material respect. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000.</p> <p>The Crimes Act 1900 contains other offences relating to false and misleading information: section 192G (Intention to defraud by false or misleading statement—maximum penalty 5 years imprisonment); sections 307A, 307B and 307C (False or misleading applications/information/documents—maximum penalty 2 years imprisonment or \$22,000, or both).</p>	
Name of authorised reporting officer	Claudia Townes
Title of authorised reporting officer	Environmental Manager
Signature of authorised reporting officer	
Date	28 August 2020

2. Statement of Compliance

Table 2 contains a statement of compliance with respect to the relevant site approvals. There were no known non-compliances with the relevant approval conditions outlined in Table 3.

Table 2 Statement of Compliance

Were all conditions of the relevant approval(s) complied with?	
Project Approval #05_0167	YES
EPA Licence #20430	YES
Scientific Licence #SL1010	YES

Table 3 Non-compliances

Relevant approval	Condition #	Condition Description (summary)	Compliance status	Comment	Where addressed in Annual Review
Nil					
Risk Level	Colour Code	Description			
High	Non-compliant	Non-compliance with potential for significant environmental consequences, regardless of the likelihood of occurrence			
Medium	Non-compliant	Non-compliance with: Potential for serious environmental consequences, but is unlikely to occur; or Potential for moderate environmental consequences, but is likely to occur			
Low	Non-compliant	Non-compliance with: Potential for moderate environmental consequences, but is unlikely to occur; or Potential for low environmental consequences but is likely to occur.			
Administrative	Non-compliant	Only to be applied where the non-compliance does not result in any risk of environmental harm (e.g. submitting a report to government later than required under approval conditions).			

3. Introduction

This Annual Environmental Management Report (AEMR) is submitted in compliance with the Project Approval 05_0167 for the Cullerin Range Wind Farm (CRWF). This report has been prepared in accordance with the *Annual Review Guideline, October 2015*.

3.1 Cullerin Range Wind Farm Description

The site is located within the Southern Tableland of NSW and it is bordered to the south by the Hume Highway and to the north by the Old Hume Highway, approximately 25 km west of Goulburn. Gunning is the nearest town to the site, located approximately 10 km west. The village of Breadalbane is located approximately 8 km to the east. This site extends over two properties. The land occupied by the wind farm site is leased from two property owners who continue to undertake farming enterprises concurrent with the operation of the wind farm.

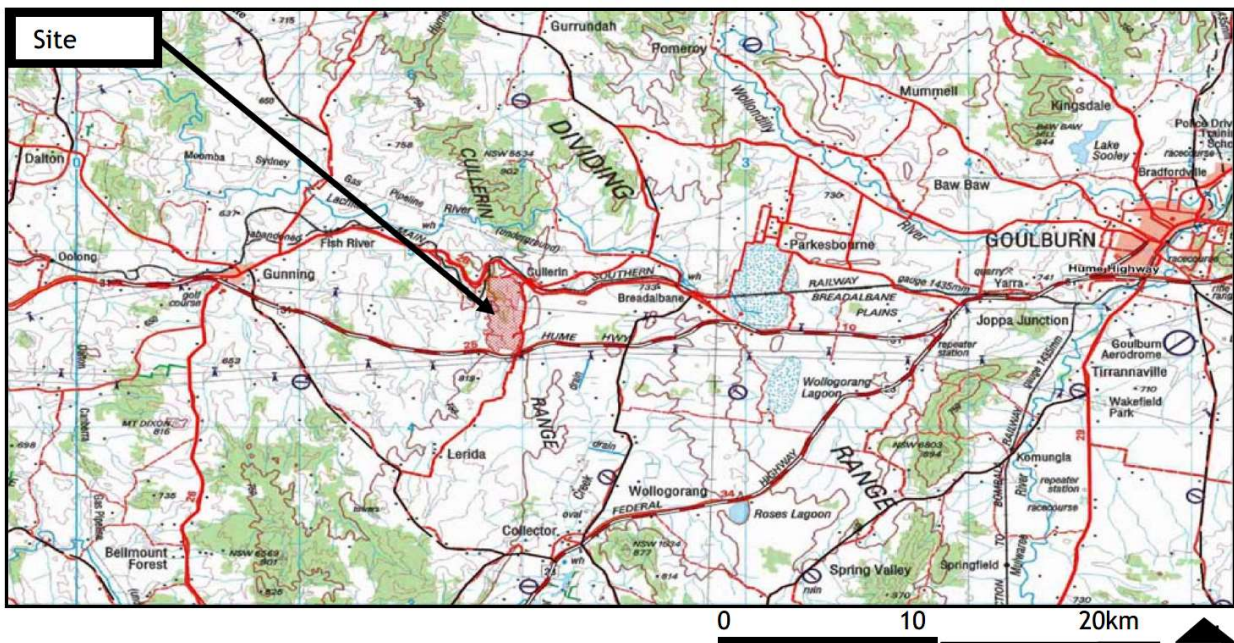
The operational foot print of the site occurs only on the following leased lots:

- DP 754110 Lots: 58, 135, 189, 192 & 193
- DP 750031 Lots: 214 & 220

The site location is highlighted in

Figure 1.

Figure 1 Cullerin Range Wind Farm Location



The CRWF involves the operation of 15 x 2 MW wind turbines, mounted on a tubular steel tower 80 m high (operational capacity 30 MW). Associated infrastructure includes:

- Electrical connections between wind turbines using underground cable
- A substation and transmission connection linking the wind turbines to the existing Essential Energy 132 kV transmission system located on the site
- An onsite control room and equipment storage facilities

Access roads around the site including minor upgrades to Lerida Road North for installation and maintenance of wind turbines

The following activities are undertaken at the wind farm:

- Generation of electricity
- Switching turbines on/off depending on the suitability of the wind resource in generating electricity
- Maintenance of turbines, nacelles and towers
- Maintenance of substation
- Maintenance of other electrical infrastructure, including underground cables
- Maintenance of access roads and other civil infrastructure

The CRWF is manned by a Wind Farm Senior Operations Technician responsible for the environmental management of the operation. Site contact details are:

- Wind Farm Senior Operations Technician: [REDACTED]

[REDACTED]

- cullerinrangewindfarm@edlenergy.com

3.2 Scope

The reporting period covered in this report is 1 July 2019 to 30 June 2020. This report covers the operational phase of this project, all construction requirements were discussed in the first AEMR (submitted by Origin Energy, the previous owner of Cullerin Range Wind Farm Pty Ltd).

Construction items are only discussed where they remain relevant to the operational phase of the wind farm, and no further discussion is included in this report about requirements for the construction phase which were completed and closed out in previous reporting periods (see Attachment A for a list of the closed control items).

This report addresses all requirements in Condition 103 of the Project Approval 05_0167 as per Table 4 below:

Table 4 Condition 103 Requirements

Requirements in condition 103	Location
a) details of compliance with the conditions of this approval;	Section 2 Appendix B, C & D
b) a copy of the Complaints Register (referred to in Condition No 91) for the preceding twelve-month period (exclusive of personal details), and details of how these complaints were addressed and resolved;	Section 10.1
c) a comparison of the environmental impacts and performance of the project against the environmental impacts and performance predicted in those documents listed under Condition 2 of this approval;	Section 7
d) results of all environmental monitoring required under this approval and others, including interpretations and discussion by a suitably qualified person;	Section 7.2
e) a list of all occasions in the preceding twelve-month period when environmental performance goals for the development have not been achieved, indicating the reason for failure to meet the goals and the action taken to prevent recurrence of that type of incident;	Section 12

Requirements in condition 103	Location
f) identification of trends in monitoring data over the life of the project to date;	Section 7.2
g) a list of variations obtained to approvals applicable to the project and to the site during the preceding twelve month period; and;	Section 4
h) environmental management targets and strategies for the following twelve-month period, taking into account identified trends in monitoring results.	Section 13

4. Approvals

The approvals in Table 5 are currently held by or for the benefit of Cullerin Range Wind Farm Pty Ltd in relation to the operation. Table 5 shows any changes to those approvals that have occurred during the reporting period.

Table 5 Approvals

Approval	Authority	Granted	Anniversary Date	Changes during Reporting Period
Major Project No 05_0167 File No. 9041054	Minister for Planning Department of Planning & Environment (NSW DPE)	21 February 2007	Commencement of operations 1 January 2009	Nil
EPA Licence 20430	Environment Protection Authority (NSW EPA)	4 June 2019	29 September Reviewed once every 5 years	Nil
Scientific Licence SL1010	Office of Environment and Heritage (NSW OEH)	18 Feb 2014	Surrendered 17 October 2019	Due to changes in the <i>Biodiversity Conservation Act 2016</i> the NSW OEH considered that the licence was no longer required.

5. Operations Summary

Appendix A contains a summary of the required existing operational controls. Appendix B provides an overview of the performance of the Statement of Commitment, Submission Report and Conditions of Approval. Appendix C contains a review of the performance against the EPA Licence conditions. Appendix D contains a review of performance against the Scientific Licence. Note that this licence was surrendered on 17 October 2019.

There are no alterations to operations planned for the next reporting period.

6. Actions Required from previous Annual Review

The proposed actions from the previous Annual Review are listed below. Table 6 reviews the wind farm's performance against those actions:

Table 6 Proposed Actions from Previous Annual Review

Action Required	Outcome
Monthly HSE inspections	11 Monthly HSE inspections were recorded during the period.
Daily Bird and Bat strike monitoring	Daily bird and bat strike monitoring was conducted (Monday to Friday).
Bi-annual publication of site contact information	Site contact information was published on 24 September and 30 March 2020 in the Lions Club of Gunning Newspaper.
Maintain register of complaints	A register of complaints was kept in SAM however no complaints were received during the period.

7. Environmental Performance

7.1 Environmental Performance Goals

The table below shows an assessment of the environmental performance goals for this reporting period which are consistent with the Operational Environmental Management Plan. Table 7 identifies the key environmental management issues and how they were addressed, any environmental management measures implemented, and any proposed improvements to environmental management or performance.

Table 7 Environmental Performance

Aspect	Approval Criteria/EIS Prediction	Performance during the reporting period	Trend/key management implications	Implemented proposed management actions
Noise	Conditions 35 – 46	No noise complaints received	Trend: No complaints	Maintain Noise Management Plan
Blasting	N/A	N/A	N/A	N/A
Air quality	Conditions 74 and 75	No construction activities occurred to require the suppression of dust using a water cart.	No complaints regarding dust management at site	N/A
Biodiversity	Condition 62 – 64	No wedge-tailed eagle deaths reported	Reduction in wedge-tailed eagle deaths from previous reporting period	Maintain Bird and Bat Adaptive Management and Monitoring Program
Heritage	Condition 58	No additional ground disturbing activities have occurred in the reporting period	No heritage disturbed	N/A
Stormwater	Condition 99(c)	Regular checks and maintenance of areas and roads prone to erosion	Road maintenance to prevent erosion Monthly checks	Maintain Stormwater Management Plan
Landscape	Condition 99(d)	Site maintained in accordance with Landscape	No visual amenity complaints Monthly checks	Maintain Landscape Management Plan

Aspect	Approval Criteria/EIS Prediction	Performance during the reporting period	Trend/key management implications	Implemented proposed management actions
		Management Plan		
Waste	Condition 76	Wastes generated on site were appropriately removed and disposed of	Responsible waste tracking and disposal Monthly checks	Maintain Waste Management Plan
Bushfire	Conditions 70 – 72	Maintenance of management strategies in Bushfire Management Plan	No bushfires threatened site	Maintain Bushfire Management Plan
Visual amenity	Conditions 21 – 27	No amenity or shadow flicker complaints received	Trend: no complaints	Maintain Visual Impact Management Plan
Chemical storage	Condition 65	No spill or leaks from bunded areas reported	Compliance with chemical storage requirements	Maintain Chemical & Hydrocarbon Management Plan

7.2 Environmental Monitoring

Following the completion of a targeted bird and bat monitoring campaign in July 2013, incidental finds of bird and bat carcasses continue to be recorded for this site.

For the reporting period July 2019 to June 2020 one juvenile magpie was found on 13 December 2019.

The chart in Figure 2 indicates a trending decline in the number of strikes of both birds and bats over the past eight years of monitoring data.

Due to a paucity of information at the time of the Environmental Impact Statement (EIS) preparation and assessment, there was difficulty in accurately predicting the impact of the CRWF on matters of regional biodiversity. The EIS expected that as the CRWF is located parallel to a movement corridor and contains only marginal native vegetation and habitat values it was not anticipated that CRWF would generate a high level of cumulative impact on regional biodiversity. This expectation appears to be consistent with the results of the monitoring program over the past reporting periods.

Figure 2 Bird and Bat Monitoring Data July 2012 to June 2020



8. Water Management

The site does not have a water licence, does not discharge water and no water quality samples are required to be taken. In accordance with the Stormwater Management Plan contained within the Operational Environmental Management Plan (OEMP), remediation works are undertaken where required as part of routine maintenance to control erosion.

9. Rehabilitation

The site has not undertaken any decommissioning works during the reporting period, so that no remediation has occurred.

No decommissioning is planned to be completed during the next reporting period.

10. Community

The CRWF maintains a Community Enhancement Program (CEP) to fund (to provide in kind) Community initiatives in the locality of the project.

EDL continued to contribute to the CEP during the reporting period. The contribution is adjusted to take account of changes in the Consumer Price Index and agreement with the DPE. The grants were slightly under the target this period due to a paucity of eligible applications.

In 2019-20 the CEP funded four community groups as per Table 8.

Table 8 Cullerin Range Wind Farm Community Fund

Organisation	Project	Amount
Gunning District Association	2 Double tap water fountains and 1 cycle rack	\$9,820.00
Gunning District Landcare	Purchase of gazebo and banner	\$975.00
Gunning Pony Club	Upgrade of 10 show jumps	\$2,898.00
Dalton Public Hall	Minor roof refurbishment	\$4,191.00
Total		\$17,884

10.1 Complaints register

EDL maintains a 24-hour telephone number on which complaints about the project may be registered (1 800 811 942) as well an e-mail address to which electronic complaints may be transmitted (cullerinrangewindfarm@edlenergy.com). These details are published twice per year in the Lions Club of Gunning Newspaper. During this reporting year these publications occurred on 24 September 2019 and 30 March 2020.

All environmental complaints received about the CRWF are managed using the EDL SAM system on SharePoint.

No complaints were received during this reporting period.

11. Independent Audit

An independent audit has not been conducted during the reporting period. As required by Condition of Approval 82 an Independent Environmental Audit was undertaken within two years of the commencement of the project. No further request to commission an environmental audit has been made by the Director-General.

12. Incidents and non-compliances during the reporting period

No reportable incidents were recorded during this reporting period.

13. Activities to be completed in the next reporting period

The proposed targets and strategies for the next reporting period are the same as for this reporting period and in accordance with the Operational Management Plan. These actions include:

- HSE inspections
- Bird and Bat strike monitoring
- Bi-annual publication of site contact information
- Maintain register of complaints

Appendix A Controls previously addressed

Summary of the controls (SoC), Submissions Report (SR), Condition of Approval (CoA) addressed in previous reports and are considered to be closed unless circumstances change.

Aspect	Control	Closed out
Visual impacts - operation	SoC 1, SoC 3	Prior to
	SoC 2, SoC 5, SoC 39	AEMR 2011
	CoA 21-22, CoA 99d	Prior to operation
	CoA 23, CoA 27	AEMR 2011
Noise	SoC 7, CoA 35-37, CoA 41- 46, CoA 99b	AEMR 2011
	CoA 28 - 30, SoC 35	Prior to operation
	CoA 38-40	Prior to commissioning
	SoC 8	Prior to construction
Blasting and vibration	CoA 32-34 (NA)	Prior to operation
Social and economic	EA - decommissioning funds set aside	AEMR 2013
	CoA 12, CoA 92, SoC 9, SoC 11	Prior to
Biodiversity impact –	Section	AEMR 2013
Biodiversity impact –	SR –aviation lighting	AEMR 2013
Traffic and Transport	SoC 21	Prior to
Air hazard impacts	CoA 26	AEMR 2013
	CoA 75	After construction
	SoC 24, SoC 25, SoC 26,	Prior to
Physical (air, soils and landforms. water)	SoC 32, SoC 33, SoC 34	Prior to operation
Aboriginal Archaeology	CoA 58	After construction
	SoC 12, SoC 13	Before
Telecommunications impact	SoC 28	AEMR 2011
	CoA 77	Prior to commissioning
	CoA 79	AEMR 2011
General conditions	CoA 3-CoA 7, CoA 9, CoA 14-15	AEMR 2011
	CoA 8, CoA 16 – CoA 22, CoA 51 -53 (NA), CoA 54, CoA 56, CoA 60-61, CoA 64, CoA 66-67, CoA 90, CoA 95 – 97, CoA 101-102, CoA 105, SoC 30, SoC 38, SoC 40	Prior to construction

Aspect	Control	Closed out
	CoA 68, CoA 84-85, CoA 87, SoC 36, SoC 37, SoC 41, SoC 19-SoC 23, CoA 24, SoC 4	Prior to operation
	CoA 82-83	AEMR 2012
	CoA 89	After construction
	SoC 18	End of 3 rd year of operations

Appendix B Statement of commitment (SoC), Submission Report (SR), Conditions of Approval (CoA) - Performance

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
Visual impacts		
CoA 26	<p>Lighting</p> <p>No external lighting at night of any infrastructure associated with the project including wind turbine generators is permitted other than low intensity security lighting, unless otherwise agreed or directed by the</p>	<p>No external lighting at night of turbines.</p> <p>No complaints have been received during this reporting period.</p>
CoA 27 & SoC 5 & 39	<p>Shadow flicker arising from the operation of the project must not exceed 30 hours/annum at any residence not associated with the project.</p>	<p>No complaints have been received during this reporting period</p>
Operational noise impact		
CoA 81, SoC 6, CoA 99	<p>Noise Monitoring — Operation</p> <p>Noise compliance monitoring must be conducted in accordance with the Noise Management Plan under Condition No 99(b), or as directed by the Director-General in response to noise complaints.</p>	<p>The Noise monitoring will be undertaken as per the CRWF EMP section 6.3 and this will be undertaken in the event a noise complaint is received.</p> <p>The SAM systems show no complaints received for Cullerin in this reporting period, so that no noise monitoring was required during this reporting period.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 31	<p>During construction and operation, the Proponent must minimise noise emissions from plant and equipment operated on the site by installing and maintaining, wherever practicable, efficient silencers, low-noise mufflers (residential standard) and replacement of reversing alarms on vehicles with alternative silent measures, such as flashing lights.</p>	<p>The SAM systems show no complaints received for Cullerin.</p>
Social and economic impact		
CoA 93 & SoC 10	<p>Establishment of a community fund and ongoing income stream of \$25,000 per annum for the life of the project to assist local community organisations.</p> <p><i>Note: The \$25,000 per annum payment has been adjusted down to \$15,000 per annum (indexed to September 2006 CPI = approximately \$20,000 on 2019) through consultation with relevant stakeholders as a result of the Proponent agreeing to and paying a number of up-front payments towards local community projects in 2009.</i></p>	<p>In the 2019/20 Cullerin Range Wind Farm Community Fund Funding Round 4 community groups benefitted from a combined total of \$17,884. The grants were slightly under the target this period due to a paucity of eligible applications. It is considered that this will balance out in future periods.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 90	<p>Complaints Management System</p> <p>Prior to the commencement of construction, the Proponent must ensure that the following are available for community complaints:</p> <ul style="list-style-type: none"> a 24-hour telephone number on which complaints about the project may be registered; a postal address to which written complaints may be sent; and an email address to which electronic complaints may be transmitted. <p>The telephone number, the postal address and the e-mail address must be advertised in a newspaper circulating in the locality on at least one occasion prior to the commencement of construction and at six-monthly intervals thereafter. These details must also be provided on the Proponent's internet site. The telephone number, the postal address and the email address must be maintained throughout the life of the Project.</p>	<p>A telephone complaints line was available during this reporting period.</p> <p>No complaints were received during this reporting period. Details of the complaint channels were advertised in the local community newsletter.</p> <p>Notification was published in March 2019 (prior reporting period), September 2019 and March 2020.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 91	<p>The Proponent must record details of all complaints received through the means listed under Condition No 90 of this approval in an up-to-date Complaints Register. The Register must record, but not necessarily be limited to:</p> <ul style="list-style-type: none"> a) the date and time, where relevant, of the complaint; b) the means by which the complaint was made (e.g. telephone, mail or email); c) any personal details of the complainant that were provided, or if no details were provided, a note to that effect; d) the nature of the complaint; e) any action(s) taken by the Proponent in relation to the complaint, including any follow-up contact with the complainant; and f) if no action was taken by the Proponent in relation to the complaint, the reason(s) why no action was taken. g) The Complaints Register must be made available for inspection by the DG upon request. 	<p>A complaints register is maintained (SAM system). No complaints were received during this reporting period.</p>
Biodiversity impact – operation		
SoC 15	<p>Weed and sediment erosion controls will be implemented during and following the proposed works.</p> <p>After the installation of the infrastructure, disturbed soil should be rehabilitated as soon as practicable in order to resist erosion and colonisation by weeds. This may require restricting stock access and implementing revegetation activities.</p> <p>All vehicles onsite will follow established trails and minimise onsite movements.</p> <p>Chemicals, including fuels and lubricants, will be stored</p>	<p>Monthly inspections have been undertaken onsite including checks for erosion, stormwater, chemical storage and waste management. During the reporting period, monthly inspection and reporting was undertaken by the on-site Wind Farm Technician who monitored erosion, storm water and waste issues on-site.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
	<p>and handled as per manufacturer's instructions. Where practical, they will be stored offsite. Where they must be stored onsite, they will be housed in a secure building banded to contain any leakages.</p> <p>Turbines will be designed to accommodate the full capacity of the lubricants contained within.</p>	
SoC 17	<p>Rabbits should be controlled on the turbine ridges, carrion should be removed from the site as quickly as possible, and young lambs should not graze on the turbine ridges. Dams / wet depressions on the main ridge line will be filled to remove the potential to attract microbats, waterbirds and prey for raptors under the turbines. Alternative watering points will be constructed in consultation with affected property owners. (This is only required on properties involved in the project and therefore lease agreements are considered sufficient to compensate</p>	<p>Pest control (including rabbits) was undertaken by the landowners.</p> <p>The management of lambing has been discussed with landowners with regard to reducing the risk of eagle strike during this reporting period.</p>
SR	<p>The Assessment of Significance for the Large-footed Myotis (bat) predicted a moderate potential to affect the viability of local populations. An adaptive management monitoring plan and design features were recommended to monitor and manage impacts.</p>	<p>Results to date indicate no significant impact to birds and bats.</p> <p>No Large-footed Myotis have been recorded in carcass searches during this reporting period.</p>
SR	<p>For raptors, the risk of collision was predicted to be related primarily to foraging activity. The aim of the monitoring program was to detect and act on collision levels such levels did not reach unacceptable levels.</p>	<p>A Bird & Bat Management Plan is contained within the current CRWF Operational Environmental Management Plan.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
SR	The Submissions Report considered the possibility of creating a local population sink, a consequence of situating a wind farm in an area where a naturally high density of a bird species occurs. However, this effect was not anticipated. The monitoring program would safeguard against this risk.	A Bird & Bat Management Plan is contained within the current CRWF Operational Environmental Management Plan. Results to date indicate no significant impact to birds and bats (see Section 7.2).
CoA 63	The Proponent must make a financial contribution of \$1500.00 to the NSW Wildlife Information and Rescue Service (WIRES) for each death of a wedge-tailed eagle that has reasonably been attributed to the carrying out of the project. The financial contribution must be paid by the Proponent within one month of the Proponent becoming aware of the death. The contribution must be adjusted to take account of any increase in the Consumer Price Index over time, commencing at the March 2007 quarter.	No wedge-tailed eagles were killed during the period. A financial contribution was last made to the NSW WIRFS in 2018 upon the death of a wedge-tailed eagle in August 2018.
CoA 80	Birds and bats must be monitored in accordance with the Bird and Bat Adaptive Management Program	Incidental searches under turbines for bird and bat carcasses continue to be undertaken as part of the CRWF Bird and Bat Adaptive Management Program and the conclusions from the report completed in 2016 by Brett Lane Associates. The following carcasses were found during this reporting period: Date: 13/12/19 Turbine number: 14 Species: Australian Magpie Distance from turbine: 5 m Bearing from turbine: SW
CoA 99	As part of the OEMP, the Proponent must prepare and implement the following management plans and programs: A bird management plan.	A Bird & Bat Management Plan is contained within the current CRWF Operational Environmental Management Plan.

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
Air hazard Impacts – operation		
CoA 69	In the event that aerial weed control and/or fertiliser application is restricted due to the location of the wind turbine generators, the Proponent must fully fund the cost difference between aerial weed spraying/fertiliser application and a reasonable alternative, unless otherwise agreed by the Director-General.	<p>No reported impacts to aerial spraying services during this reporting period.</p> <p>There were no events where aerial weed control or fertiliser application was restricted due to the wind turbines and as such CoA 69 was not exercised.</p>
Telecommunications impacts		
SoC 27	Use of equipment complying with the Electromagnetic Emission Standard, AS/NZS 4251.2:1999. In the event that TV is experienced by existing receivers within 5 km of the wind farm, the source and nature of the interference will be investigated.	No TV reception community complaints received in this reporting period.
CoA 78	The Proponent must undertake any reasonable and feasible mitigation measures to rectify any television/radio transmission problems reasonably attributable to the project at any residential dwelling located within 5 kilometres of a wind turbine.	No TV reception community complaints received in this reporting period.
Fire and bushfire impacts		
SoC 29	A set of protocols will be developed in consultation with the Rural Fire Service in regard to bushfire prevention measures to be implemented onsite during construction, operation and decommissioning phases. These measures will in particular cover hot-work procedures, asset protection zones, safety, communication, site access and response protocols.	<p>The Bushfire Risk Management Plan has been updated with the latest RFS version of <i>Planning for Bushfire Protection</i> (included in the EMP) and is operating on-site.</p> <p>No fire incidents have occurred onsite to date. General site maintenance activities have been undertaken during this reporting period.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 72	<p>As part of the Construction and Operation EMPs in Condition Nos 95 and 98, the Proponent must prepare, in consultation with the local RFS, a Bushfire Risk Management Plan based on the guidelines <i>Planning for Bushfire Protection</i> (RFS, 2001 or its latest edition). The sub plan must include:</p> <ul style="list-style-type: none"> details of the bushfire hazards and risks associated with the project; mitigation measures including contingency plans; procedures and programs for liaison and regular drills with the local RFS; and procedures for regular fire prevention inspections by the local RFS and implementation of any recommendations. 	As above
CoA 70	<p>Throughout the life of the project, the Proponent must regularly consult with the local Rural Fire Service (RFS) to ensure that the local RFS is familiar with the project, including the construction timetable and the final location of all infrastructure on the site. The Proponent must comply with any reasonable request of the local RFS to reduce the risk of bushfire and to enable fast access in emergencies.</p>	<p>An invitation to visit site to the local RFS was sent on 15/10/2019. No visits were completed during this reporting period.</p> <p>If there are any issues (i.e. smoke close by) the RFS contact site personnel.</p>
CoA 71	<p>The Proponent must:</p> <ul style="list-style-type: none"> a) ensure that there is appropriate fire- fighting equipment held on site to respond to any fires that may occur at the site during construction and operation of the project; and b) assist the Rural Fire Service and emergency services as much as possible if there is a fire on-site during the project. 	<p>Firefighting facilities are available on site including an installed 22,000 litre tank for increased fire water storage capacity and availability and water cart.</p> <p>No change since last reporting period.</p>
Physical impacts (climate, air, water, soils and landforms) – Operation		

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 99	<p>As part of the OEMP, the Proponent must prepare and implement the following management plans and programs:</p> <ul style="list-style-type: none"> a) a Water Management Plan b) Waste Management Plan 	<p>A stormwater management plan is included in the site environmental management plan, monthly checks of stormwater drains and erosion are completed.</p> <p>A Waste Management Plan is included in the site environmental management plan, monthly checks of appropriate waste management were implemented during this reporting period.</p> <p>The Operating contractors manage their own waste.</p>
CoA 59	<p>Any fill material brought to site must be Virgin Excavated Natural Material (VENM), as defined under the EPA's publication <i>Environmental Guidelines: Assessment, Classification and Management of Liquid and Non-Liquid Waste</i>.</p>	<p>No fill material was imported during this reporting period</p>
CoA 74	<p>The Proponent must undertake the project in a manner that minimises or prevents the emission of dust from the site and Lerida Road North, including wind-blown and traffic-generated dust, including ensuring that all vehicles entering or leaving the site and carrying a load that may generate dust emissions are covered at all times, except during loading and unloading.</p>	<p>During this reporting period no vehicles carrying a load that may generate dust emissions were required to enter site.</p>
Safety and health impacts		
CoA 73	<ul style="list-style-type: none"> a) procedures and programs for the maintenance and testing of the safety related equipment to ensure its integrity over the life of the project; and b) an outline of a documented procedure for the management of change. 	<ul style="list-style-type: none"> a) Maintenance is tracked via the Pronto system b) EDL Management of change process is located in EDL SharePoint.
<p>General conditions of approval</p> <p><i>Obligations to minimize harm to the environment</i></p>		

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 1	The Proponent must implement all practicable measures to prevent or minimise any harm to the environment that may result from the construction, commissioning, operation and decommissioning of the Project.	Operational reporting is being undertaken – bird and bat, soil, water, waste, monthly environmental inspections & reporting, maintenance of complaints and incident register.
<i>Scope of the project</i>		
CoA 2	The Proponent must carry out the project generally in accordance with the EA, SoC, Submissions Report and Conditions of Approval.	AEMR demonstrates this.
<i>General</i>		
CoA 13 & CoA 98	The Proponent must be responsible for and put in place an environmental management system governing the conduct of all persons on the site. The Proponent must prepare and implement an Operational Environmental Management Plan in accordance with the Department's publication entitled Guideline for the Preparation of Environmental Management Plans (2004) or its latest revision. The Plan must include, but not necessarily be limited to:...	A current Operational Environmental Management Plan (OEMP) is in place for this site.
CoA 47	The Proponent must undertake all works affecting any public road (including Crown Roads), its associated road reserve and any public infrastructure in that road reserve, to meet any reasonable requirements that may be specified by the relevant roads authority.	No works in public roads were completed during this reporting period. Not applicable
CoA 48	All heavy vehicles associated with the project arriving or departing from the site must use the Hume Highway, Lerida Road North and that portion of the Old Hume Highway (Cullerin Road) between Lerida Road North and the site access point to minimise truck movements along the Old Hume Highway through Breadalbane.	All heavy vehicles avoided the Old Hume Highway through Breadalbane during this reporting period

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 62	The Proponent must design, construct, operate and maintain the project in a manner that avoids damage to or loss of the orchid, <i>Diurus aequalis</i> and its habitat.	No orchid, Buttercup Doubletail (<i>Diurus aequalis</i>) were found on site during this reporting period (this has never been found on site).
SoC 14	Protect the Northern Slope from primary disturbance due to the proposal	No further disturbance occurred during this reporting period.
CoA 86	Any damage caused to public infrastructure as a result of the project must be repaired to the satisfaction of Council, or relevant utility provider and within such period as specified by the Council, or relevant utility provider.	No damage was caused to public infrastructure during this reporting period.
CoA 88	Subject to confidentiality, the Proponent must make all documents required under this approval publicly available on request.	No requests were received during this reporting period.
CoA 100	Within three years of the commencement of operation, and at least every three years thereafter, the Proponent must undertake a formal review of the Operation Environmental Management Plan (OEMP). The review must ensure that the OEMP is up-to-date and all changes to procedures and practices since the previous review have been fully incorporated into the OEMP. The Proponent must notify the D-G and the Council of the completion of each review, and must supply a copy of the updated OEMP to those parties on request.	The OEMP was not required to be reviewed during this reporting period. However, it has been updated for 2020/21 with correspondence sent to the DG and Council on 10 July 2020.
CoA 103	The Proponent must prepare and submit for the approval of the Director-General, an Annual Environmental Management Report (AEMR) throughout the life of the project, or as otherwise required by the DG. The AEMR must review the performance of the project against the Operation Environmental Management Plan, the conditions of this approval and other licences and approvals relating	The AEMR for this reporting period has been prepared in accordance with the requirement of this CoA and the <i>Annual Review Guideline, October 2015</i> .

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
	to the project. The AEMR must include, but not necessarily be limited to:...	
	a) details of compliance with the conditions of this approval;	Section 2 Appendix B, C & D
	b) a copy of the Complaints Register (referred to in Condition No 91) for the preceding twelve-month period (exclusive of personal details), and details of how these complaints were addressed and resolved;	Section 10.1
	c) a comparison of the environmental impacts and performance of the project against the environmental impacts and performance predicted in those documents listed under Condition 2 of this approval;	Section 7
	d) results of all environmental monitoring required under this approval and others, including interpretations and discussion by a suitably qualified person;	Section 7
	e) a list of all occasions in the preceding twelve-month period when environmental performance goals for the development have not been achieved, indicating the reason for failure to meet the goals and the action taken to prevent recurrence of that type of incident;	Section 12
	f) identification of trends in monitoring data over the life of the project to date;	Section 7
	g) a list of variations obtained to approvals applicable to the project and to the site during the preceding twelve-month period; and;	Section 4
	h) environmental management targets and strategies for the following twelve-month period, taking into account identified trends in monitoring results.	Section 13

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 104	<p>The Proponent must provide copies of the approved annual AEMR to the Council and any agencies required by the D-G with:</p> <p>a) the second and subsequent AEMRs to be submitted within three months of the end of the previous reporting period; and</p> <p>b) the AEMR being made available to the public upon request.</p>	No requests were received during this reporting period.
<i>Environmental representative</i>		
CoA 94	The Proponent must nominate a suitably qualified and experienced Environmental Representative(s) whose appointment requires prior approval of the Director-General.	A suitably qualified experienced environmental representative nomination was approved by the Director General on 22 June 2018. Document is stored on EDL SharePoint System.
Decommissioning		
CoA 10	Within one year of decommissioning, the Site must be returned, as far as practicable, to its condition prior to the commencement of Construction.	Not applicable for this reporting period.
CoA 11	If any wind turbine is not used for the generation of electricity for a continuous period of 12 months, it must be decommissioned unless otherwise agreed to by the Director- General.	All turbines generated electricity within this reporting period.
CoA 49	Vegetation must be cleared and maintained for the duration of the construction (and decommissioning) period to ensure safe intersection sight distances are maintained at the junction of the Hume Highway and Lerida Road North in all directions.	<p>Construction has been completed.</p> <p>No decommissioning has been done during this reporting period.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
CoA 50	<p>Prior to the commencement of construction (and decommissioning), the Proponent must undertake unsealed shoulder widening for the right turn lane on the Hume Highway into Lerida Road North and for the left turn lane on the Hume Highway into Lerida Road North. Design plans of the widening, including the geometric road design and pavement design, must be submitted to the RTA for approval.</p> <p>Following completion of the construction works (and decommissioning), the Proponent must rehabilitate the shoulders to the satisfaction of the RTA.</p>	<p>Construction has been completed. No decommissioning has been done during this reporting period.</p>
CoA 55	<p>During construction (and decommissioning), Lerida Road North, and those portions of Cullerin Road and old Sydney Road used by heavy vehicles, must be maintained in a safe and satisfactory condition at all times by the provision of regular maintenance and grading.</p>	<p>Construction has been completed. No decommissioning has been done during this reporting period.</p>
CoA 57	<p>The Proponent must prepare road dilapidation reports, in consultation with Council, for the construction (and decommissioning) route where it traverses Lerida Road North and part of Cullerin Road and old Sydney Road. These reports must be prepared prior to the commencement of construction (and decommissioning) and after construction (and decommissioning) is complete. Copies of the reports must be provided to the Council. Any damage resulting from the construction (or decommissioning) traffic, except that resulting from normal wear and tear, must be repaired at the Proponent's cost. Alternatively, the Proponent may negotiate an alternative arrangement for road damage with the Council.</p>	<p>Construction has been completed. No decommissioning has been done during this reporting period.</p>

Condition #	Condition or Statement of commitment	Implementation of controls (1 July 2019 – 30 June 2020)
SoC 16	Retain all hollow bearing trees and locate infrastructure at the maximum distance possible from them, to avoid disturbance to roosting individuals (during construction and decommissioning phase)	Construction has been completed. No decommissioning has been done during this reporting period.
SoC 31	<p>Wind turbines, substation, control building, and the associated above ground electricity infrastructure will be removed and the site restored within 12 months of the wind farm being decommissioned. Details will be provided in a Site Restoration Plan.</p> <p>Written evidence will be provided to the Director General, that the lease agreement(s) with the site landowners have adequate provisions to meet the decommissioning requirements, that the site be restored to a similar condition as existed before the development, by way of a specific site restoration plan.</p>	No decommissioning has been done during this reporting period.

Appendix C Environmental Protection Licence 20430 - Performance

Environmental Conditions		Implementation of controls (1 July 2018 – 30 June 2019)
A1 (A1.1-A1.3)	Scheduled Activity – Electrical Generation Fee Based Activity – Electrical Works (Wind Farm) Scale – 0 - 450 GWh generated	Generation scale not exceeded – Generation in Reporting Period – 107.17 GWh
A2 (A2.1-A2.2)	Premises or plant to which this licence applies	No changes were done during this reporting period
A3 (A3.1)	Information supplied to the EPA	No changes were done during this reporting period
P1 (P1.1)	Discharges to Air and Water and application to land	Not applicable, no table included in licence.
L1 (L1.1)	Pollution of waters	No pollution of waters occurred during this reporting period
L2 (L2.1-L2.2)	Waste	Onsite waste segregation requirements are outlined in the CRWF EMP. Very little waste is generated on site. General waste is collected and taken to the local refuse transfer station. The Wind Farm Operations Contractor manages their own waste. Monthly monitoring is occurring.
L3 (L3.1-L3.5)	Noise	No noise testing was required to be undertaken during this reporting period.
O1 (O1.1)	Activities to be undertaken in a competent manner	Site activities undertaken as per the site Operational Environmental Management Plan. Operating procedures are in place. Operator training has and continues to be provided as required. Monthly HSE inspections are undertaken.

Environmental Conditions		Implementation of controls (1 July 2018 – 30 June 2019)
O2 (O2.1)	Maintenance of Plant and Equipment	EDL's Pronto system is utilised at CRWF.
O3	Dust	Roads on site are gravelled, speed limits are in place on site. No dust complaints were received during the reporting period.
O4	Emergency Response	A site Emergency Response Procedure is in place. This document details specific responses to environmental incidents and conditions.
O5 (O5.1)	Bunding & Spill Management	All fuels, chemicals and lubricant are appropriately stored in secure bunded areas. Spill kits available and serviced on-site.
M1 (M1-M3)	Monitoring Records	Site Environmental monitoring records are kept on EDL SharePoint system. No sample collections were required to be undertaken during this reporting period.
M2 (M2.1-M2.3)	Recording of pollution complaints	No complaints were received during this reporting period.
M3 (M3.1-M3.3)	Telephone complaints line	A telephone complaints line was available during this reporting period. No complaints were received during this reporting period. Details of the complaint channels were advertised in the local community newsletter twice during this reporting period in September 2019 and March 2020.
R1 (R1.1-R1.8)	Annual Return Documents	The Anniversary date for the CRWF Environmental Licence is 29 September. An Annual Return was submitted in November 2019. The annual return is signed by the Company Secretary and the CEO.
R2 (R2.1-R2.2)	Notification of Environmental Harm	No notifications were required to be submitted during this reporting period.
R3 (R.3.1-R3.4)	Written Report	No written report (apart from Annual Return) was required to be developed and submitted to the NSW EPA during the reporting period.
G1 (G1.1-G1.3)	Copy of licence kept at the premises or plant	Hard copy is kept on site, additionally this licence is available electronically via the EDL SharePoint system.

Appendix D Scientific Licence 101077 - Performance

Due to earlier changes in the *Biodiversity Conservation Act 2016* the Cullerin Range Wind Farm was no longer required to hold a scientific licence for the collection and disposal of bird and bat carcasses. The scientific licence was surrendered during the period with all requirements in compliance and no outstanding actions.

Licence Conditions		Implementation of controls (1 July – 17 October 2019 – date surrendered)
Specific		
a)	Works in accordance with the “Bird and Bat Adaptive Management Monitoring Program”	All works undertaken were in accordance with the “Bird and Bat Adaptive Management Monitoring Program”
b)	Carcasses may be exported from NSW as required	Not applicable during this reporting period
General		
1	Only person(s) named under licence may undertake work. Licence not transferable.	Only one person named under licence conducted activities.
2	Principal may vary associated parties by maintaining signed and dated register of associates.	Not applicable during this reporting period
3	Licence must be carried at all times while undertaking work	The licence was available on site at all times
4	Parties authorised to conduct specified activities must be provided with a copy of the licence.	Only one person named under licence conducted activities.
5	Must have permission of owner/occupier of the land to use licence	CRWF has a lease agreement with the existing landowners and as such is a recognised occupier of the land.
6	Samples taken under licence must not be sold without approval from environmental agency head or delegate	Samples that are taken are not sold.

Licence Conditions		Implementation of controls (1 July – 17 October 2019 – date surrendered)
7	Collection to be undertaken away from public view	Sample collection does not occur in an area within public view
8	Licensee shall indemnify OEH from and against lawful suits in relation to personal injury or damage received as part of activities undertaken under this licence.	Not applicable during this reporting period CRWF maintains insurances for all related operational and maintenance activities undertaken on site.
Reporting Requirements		
9	Licensee to provide full report of work carried out under licence online via Bionet.	The licence was reported on in 2019 as part of the surrender. The applicable data was uploaded to Bionet
10	Coordinate data supplied to OEH should include measurement of accuracy >0m but < 100m	The licence was reported on in 2019 as part of the surrender and included coordinate information
11	Submit reports online	The licence was reported on in 2019 as part of the surrender and submitted online
12	Works that cannot be supplied online should supply report to OEH specifying: Title of project; precise description of locality; results of project	Not applicable for this reporting period
13	Works on NPWS estate require completion of a metadata proforma	Not applicable
14	If undertaking permanent/semi-permanent marking, banding or tagging – provide details to BWT with any renewal application	Not applicable
15	Provide a copy of Final Report to Environmental Agency Head when study completed	The licence was reported on in 2019 as part of the surrender and included a final report as part of the Annual Return.
Additional Reporting Requirements for Consultants		
16	Licences granted to consultants are required to provide a list of sites where work was conducted and copies of reports produced	Not applicable
17	Reports in accordance with conditions 9 to 16 must be provided annually	Not applicable

Licence Conditions		Implementation of controls (1 July – 17 October 2019 – date surrendered)
Projects Undertaken on NPWS Managed Land		
18	Work in NPWS managed lands must have prior written approval of relevant Area Manager	Not applicable
19	Maintain regular contact with NPWS Area Office throughout project	Not applicable
20	Vehicles may only be used on public roads unless otherwise approved	Not applicable