

		and to be maintained
8.	<p>External lighting of infrastructure associated with the wind farm is not permitted other than:</p> <p>(a) low-level, low-intensity security lighting;</p> <p>(b) aviation obstacle lighting where required by the Civil Aviation and Safety Authority;</p> <p>(c) lighting necessary in the case of an emergency or for operational call-outs at reasonable times.</p> <p>Any external lighting, excluding aviation obstacle lights, is to comply with Australian Standard AS 4282-1993 <i>Control of the obtrusive effects of outdoor lighting</i>.</p>	<p>Prior to the commencement of use and to be maintained</p>
Television and Radio Reception		
9.	<p>(a) Undertake an assessment of the television and radio reception strength in the area within 5 km of any proposed turbine and in which any existing and approved dwellings are located as at the date of this approval.</p> <p>The pre-construction assessment must be undertaken by a television and radio monitoring specialist, and include testing at selected locations to enable the average television and radio reception strength in the area within 5 km of the site to be determined. The specific locations of testing must be determined by a television and radio monitoring specialist.</p> <p>(b) If, following commencement of the operation of the wind farm, a complaint is received regarding the wind farm having an adverse effect on television or radio reception at any existing and approved dwelling within 5 km of the site which existed at the date of this approval, a post-construction assessment of the television and radio reception strength must be carried out at, or in close proximity to, any existing and approved dwelling at the date of this approval by a television and radio monitoring specialist.</p> <p>(c) If the post-construction assessment establishes an unacceptable increase in interference to reception as a result of the wind farm, measures to restore the affected reception to pre-construction quality must be undertaken.</p> <p>(d) Provide to the chief executive administering the SPA, on request, the results of the pre-construction assessment and any post-construction assessment carried out in response to a complaint and evidence that the appropriate restoration measures have been undertaken to address television and radio reception strength where required.</p>	<p>(a) Prior to the commencement of site / operational / building work</p> <p>(b) Within one (1) month of receiving a complaint</p> <p>(c) Within two (2) months of the post-construction assessment</p> <p>(d) Within (2) months of the post-construction assessment</p>

Traffic Management

- | | | |
|-----|--|--|
| 10. | <p>(a) Submit to the chief executive administering the SPA a Construction Traffic Management Plan (CTMP) prepared by a suitably qualified expert and in consultation with the Department of Transport and Main Roads, Cairns Regional Council, Tablelands Regional Council and Mareeba Shire Council. The CTMP must relate to the roads proposed to be used in transporting material, personnel and equipment related to the construction and decommissioning of the wind farm.</p> <p>The CTMP must include but not limited to:</p> <ul style="list-style-type: none">(i) an existing conditions survey of Hansen Road, Springmount Road and Kippen Drive including details of the suitability, design, condition and construction standard of the relevant public roads;(ii) the designation of all vehicle access points to the site from surrounding roads. Vehicle access points must be designed and located to ensure safe sight distances, turning movements, and avoid potential through traffic conflicts;(iii) the designation of appropriate pre-construction, construction/decommissioning and transport vehicle routes to and from the site;(iv) engineering plans demonstrating whether, and if so how, truck movements to and from the site can be accommodated on sealed roadways and turned without encroaching onto the incorrect side of the road;(v) recommendations regarding the need for road and intersection upgrades to accommodate any additional traffic or site access requirements (whether temporary or ongoing). Where upgrades are required, the traffic management plan must include:<ul style="list-style-type: none">(a) detailed engineering plans showing the required works;(b) the timing of when the works are to be undertaken;(c) a program of regular inspections to be carried out during the construction of the wind farm to identify maintenance works necessary as a result of construction traffic;(vi) measures to be taken to manage traffic impacts associated with the ongoing operation of the wind farm on the traffic volumes and flows on surrounding roads. | <p>(a) Prior to the commencement of site / operational / building work</p> |
|-----|--|--|

	<p>This may include, as recommended in the “Technical Note 2 – Traffic Impact Assessment Engineering Response” prepared by Jacobs dated 29/08/14:</p> <p>a) providing a 30 seat shuttle bus service for construction workers arriving and departing the site, servicing the key townships where the construction workers live;</p> <p>b) providing minimal or restricted on-site parking to discourage workers arriving to and departing the site via private vehicles</p> <p>(vii) a program to rehabilitate Hansen Road, Springmount Road and Kippen Drive to the pre-construction condition identified by the surveys required under sub-section (a) of this condition, at the conclusion of the construction of the wind farm.</p> <p>(b) Carry out the development in accordance with the CTMP.</p> <p>(c) Submit to the chief executive administering SPA certification from an RPEQ that all works identified in the CTMP have been carried out in accordance with the CTMP.</p>	<p>(b) In accordance with the timeframes specified in the CTMP</p> <p>(c) Within three (3) months of the completion of construction</p>
Environmental Management		
11.	<p>(a) Submit to the chief executive administering the SPA an Environmental Management Plan (EMP) prepared by a suitably qualified person(s). The EMP must:</p> <p>i. be generally in accordance with the Preliminary Environmental Management Plan prepared by RPS and dated November 2013 and the draft Statement of Commitments contained within Appendix A of the RPS Development Application Material Change of Use Report dated March 2012;</p> <p>ii. be based on the revised Turbine Location and Development Footprint Plan submitted in accordance with condition 2 of this approval;</p> <p>iii. include the following components, as further detailed in Attachment 1:</p> <ul style="list-style-type: none"> • a construction and work site operational management plan • a sediment, erosion and storm water management plan • a hydrocarbon and hazardous substances plan • a bushfire risk management plan and 	<p>(a) Prior to seeking approval for any site, operational or building work</p>

	<p>emergency evacuation plan</p> <ul style="list-style-type: none"> • a significant species management plan • a weed and pest management plan • a rehabilitation plan • a habitat clearing and management plan • an ecological fire management plan • a cultural heritage management plan • an environmental management plan training program • an environmental management plan reporting program • an implementation plan <p>(b) The development must be carried out in accordance with the EMP.</p>	<p>(b) During site / operational /building work and to be maintained</p>
Community Engagement		
12.	<p>(a) Submit to the chief executive administering SPA a Community Engagement Strategy (CES) that includes at a minimum:</p> <p>(i) A Community Consultation Plan that demonstrates and includes:</p> <ol style="list-style-type: none"> a. consultation methods b. consultation calendar that identifies activities that must be carried out at least on a quarterly basis and during: <ul style="list-style-type: none"> • three (3) months prior to construction commencing • during construction • once operational for at least one year from the commencement of stage 1 <p>(ii) A Complaints Management Plan / Register (CMPR) that demonstrates and includes:</p> <ol style="list-style-type: none"> a. how contact details will be communicated to the public b. a toll free telephone number and email contact for complaints and queries c. a register outlining complaint information for each complaint received d. the processes for investigation and actions undertaken to resolve the complaint <p>(b) All community consultation and complaints must be managed in accordance with the CES.</p> <p>(c) Provide to the chief executive administering SPA and Council, on request, a copy of the CMPR, in particular the processes of investigation and actions undertaken to resolve the complaint.</p>	<p>(a) Five (5) months prior to construction commencing</p> <p>(b) – (c) Prior to construction / during construction and once operational</p>
Decommissioning and Rehabilitation		

13.	<p>Submit to the chief executive administering SPA a decommissioning and rehabilitation plan prepared by a suitably qualified person(s).</p> <p>The decommissioning and rehabilitation plan must address the actions to be undertaken where any or all turbines have permanently ceased to generate electricity. The plan must include a program for:</p> <ul style="list-style-type: none"> (a) removal of above ground non-operational equipment; (b) removal and clean up any residual contamination; (c) rehabilitation/revegetation of storage areas, construction areas, access tracks and other areas affected by the decommissioning of the turbines, if those areas are not otherwise useful to the on-going use or decommissioning of the wind farm; (d) notification to the relevant authorities of the turbines ceasing operation. Such notification should be given no later than two months after the turbine(s) cease operation. 	Prior to decommissioning
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General advice	
a.	<p>This development permit does not constitute an approval to commence operational works within Powerlink easements. Prior written approval is required from Powerlink before any additional operational work is undertaken within the easement areas. All additional operational works within the easements will require separate assessment and approval by Powerlink.</p>
b.	<p>Development must comply with the <i>Electrical Safety Act 2002</i> including any Code of Practice under that Act and the Electrical Safety Regulation 2002 including any safety exclusion zones defined in the Regulation.</p>
c.	<p>In respect to this application the exclusion zone for untrained persons and for operating plant operated by untrained persons is 6 metres from the 275,000 volt wires and exposed electrical parts.</p> <p>Should any doubt exist in maintaining the prescribed clearance to the conductors and electrical infrastructure, then the applicant is obliged under the <i>Electrical Safety Act 2002</i> to seek advice from Powerlink.</p>
d.	<p>Any works must comply with the easement terms and conditions as per easement Dealing 701758510 and 713030213</p>
e.	<p>Engagement must occur with Powerlink with regards to a connection to Powerlink's transmission line network. Further technical assessments regarding safe clearance between turbines and Powerlink infrastructure will have to be performed and must be submitted to Powerlink for approval.</p>
f.	<p>Works in the vicinity of Powerlink infrastructure must comply with the Management of</p>

	Easement Co-Use Requests Guideline.
g.	<p>The site has slight residual risk of unexploded ordnance (UXO). In the event of identification of UXO, the Department of Defence recommends the following procedure:</p> <ul style="list-style-type: none"> • do not touch or disturb the object; • take action, where appropriate, to prevent it being disturbed by another person; • note its approximate dimensions and general appearance; • note the route to its location; and • advise the Police as soon as possible.
h.	<p>Copies of the final development plans must be provided to the following entities, to enable details of the development to be shown on aeronautical charts of the area:</p> <ul style="list-style-type: none"> • the Civil Aviation Safety Authority; • the Department of Defence (RAAF Aeronautical Information Service); • Airservices Australia; • any aerodrome operator within 15 km of the outside property boundaries of the site; • the Aerial Agriculture Association of Australia; • any organisation responsible for providing air ambulance services in the area.

Attachment 1 – Components of the Environmental Management Plan

Construction and work site operational management plan

The environmental management plan must include a construction and work site operational management plan.

The construction and work site operational management plan must include:

- a) the identification of fuels, other hazardous materials and all other potential contaminants stored or used on site during the construction phase of the wind farm, and appropriate storage, construction and operational methods to control any identified contamination risks;
- b) procedures for managing potential spills and leaks and pollution incidents, including incorporation of appropriate pollution control;
- c) procedures to suppress dust emissions from construction-related activities. Appropriate measures may include water spraying of roads and stockpiles, stabilising surfaces, temporary screening and wind fences, modifying construction activities during periods of heightened winds and revegetating exposed areas as

soon as practicable;

- d) procedures for managing noise emissions from construction-related activities;
- e) appropriate sanitary facilities to be provided for construction and maintenance staff;
- f) a timetable, where practicable, for the construction of turbine bases, access tracks and power cabling during warmer months, to minimise impacts on ephemeral wetlands, local fauna and sediment mobilization;
- g) measures to minimise waste generation on site and maximising opportunities for recycling and reuse;
- h) measures for dust mitigation, control and monitoring dust gauges;
- i) procedures to ensure that construction vehicles and equipment use designated tracks and works areas to avoid impacts on native vegetation;
- j) procedures for covering trenches and holes at night, and filling trenches as soon as practical after excavation, to protect native fauna;
- k) the removal of works, buildings and staging areas on completion of the construction phase of the project.

Sediment, erosion and storm water management plan

The environmental management plan must include a sediment, erosion and storm water management plan.

The sediment, erosion and storm water management plan must include:

- a) identification of all construction and operational processes that could potentially lead to water contamination;
- b) procedures to ensure that silt from batters, cut-off drains, table drains and road works is retained on the site during and after construction and replaced as soon as possible. To this end:
 - (i) all land disturbances must be confined to a minimum practical working area;
 - (ii) soil to be removed must be stockpiled and separate soil horizons must be retained in separate stockpiles and not mixed, and soil must be replaced as soon as possible in sequence;
 - (iii) stockpiles must be located away from drainage lines;
- c) the installation of geo-textile silt fences (with sedimentation basins where appropriate) on all drainage lines from the site which are likely to receive run-off from disturbed areas;
- d) procedures for waste water discharge management;

- e) a process for overland flow management to prevent the concentration and diversion of waters onto steep or erosion prone slopes;
- f) pollution management measures for stored and stockpiled materials including waste materials, litter, contaminated run-off and any other potential source of pollution to ground or surface waters;
- g) agreed program and appropriate capacity for annual inspection and regular maintenance of any on-site wastewater management system;
- h) a program of inspection and remediation of localised erosion within a specified response time.

Hydrocarbon and hazardous substances plan

The hydrocarbon and hazardous substances plan must include:

- (a) procedures for any on-site, permanent post-construction storage of fuels, lubricants, waste oil or other hazardous substances or potential contaminants to be in bunded areas;
- (b) contingency measures to ensure that any chemical or oil spills are contained on-site and cleaned up in accordance with the Council requirements.

Bushfire risk management plan and emergency evacuation plan

The bushfire risk management plan and emergency evacuation plan must include:

- (a) criteria for the provision of static water supply tanks solely for firefighting purposes, including minimum capacities, appropriate connections and signage;
- (b) procedures for vegetation management, fuel control and the provision of firefighting equipment during declared fire danger periods;
- (c) minimum standards for access roads and tracks to allow access for fire fighting vehicles, including criteria for access to static water supply tanks for fire fighting vehicles;
- (d) training of personnel of the organisations referred to above in relation to suppression of wind farm fires;
- (e) details of a lightning and earthing system to mitigate against the risk of bush-fires caused by direct lightning strikes on the turbines.

Significant species management plans

Significant species management plans must:

- (a) include plans for all wildlife species listed as Endangered, Vulnerable or Near Threatened under the provisions of the *Nature Conservation Act 1992* that:
 - i. are currently known to occur within or periodically utilise the site; or

- ii. are detected within the site during the conduct of further baseline, construction or operational monitoring pursuant to other conditions; and
- iii. are not the subject of an equivalent management plan prepared in satisfaction of an approval issued under the provisions of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth).

(b) set out key impact management strategies including:

- i. further baseline programs;
- ii. management targets;
- iii. design, construction and operational impact avoidance and mitigation measures and protocols;
- iv. quantitative performance indicators;
- v. monitoring and reporting regimes;
- vi. corrective actions;
- vii. timeframes for identified actions; and
- viii. applicant and stakeholder responsibilities.

Weed and pest management plan

The weed and pest management plan must include:

- (a) protocols for the management of noxious environmental weed species on the site, with the objective of minimising the potential risk of introducing such weeds and pests.

Rehabilitation plan

The rehabilitation plan must include guidelines to incorporate appropriate landscape rehabilitation strategies and methods into the management of disturbed land.

Habitat clearing and management plan

The habitat clearing and management plan must include management strategies involved in mitigating impacts of habitat clearing on susceptible fauna, including the induction of workers and for wildlife spotters and catchers involved in habitat clearing.

Ecological fire management plan

The ecological fire management plan must include management strategies to be implemented in order to maintain an appropriate fire regime for the various faunal and flora habitats represented on site.

Cultural heritage management plan

The cultural heritage management plan must include the procedures to be followed for impact avoidance and mitigation of impacts upon Aboriginal heritage.

Environmental management plan training program

The environmental management plan must include a training program for construction workers and permanent employees or contractors at the site, including a site induction program relating to the range of issues addressed by the environmental management plan.

Environmental management plan reporting program

The environmental management plan must include a program for reporting environmental incidents, including:

- (a) a register of environmental incidents, non-conformances and complaints, together with corrective actions taken in response to such incidents, non-conformances or complaints;
- (b) identification of the person to whom reports of environmental incidents, non-conformances and complaints should be made.

Implementation plan

The environmental management plan must include a timetable for implementation of all programs and works referred to in sections above.

Schedule 2: Approved plans and documents



The Hon Cameron Dick MP
Minister for State Development,
Manufacturing, Infrastructure and Planning

1 William Street
Brisbane QLD 4000
PO Box 15009 City East
Queensland 4002 Australia
Telephone +61 7 3719 7200
Email statedevelopment@ministerial.qld.gov.au
www.dsdmip.qld.gov.au

Our ref: MC18/823

Your ref: BM:nj

14 March 2018

[REDACTED]
Chief Executive Officer
Mareeba Shire Council
PO Box 154
MAREEBA QLD 4880

Dear [REDACTED]

Notice of Decision
Application to change a development approval (minor change)
under section 83 of the *Planning Act 2016* (Planning Act)

I am writing to advise you that I have made a decision on an application to change a development approval, subject to a previous ministerial call in, for the Mount Emerald Wind Farm, located at Springmount Road and Kippin Drive, Arriga.

In accordance with section 83(1) of the Planning Act, I hereby enclose a copy of my decision.

If you require further information, please contact [REDACTED] Manager, Development Assessment, Department of State Development, Manufacturing, Infrastructure and Planning, on [REDACTED] who will be pleased to assist.

Yours sincerely

CAMERON DICK MP
Minister for State Development, Manufacturing,
Infrastructure and Planning

Enc

[REDACTED]

From: Executive Correspondence DSD
Sent: Wednesday, 14 March 2018 3:25 PM
To: [REDACTED]
Subject: Correspondence from the Honourable Cameron Dick MP, Queensland Minister for State Development, Manufacturing, Infrastructure and Planning - MC18/823
Attachments: MC18- 823 - Minister letter to affected entity.pdf; MC18 - 823 - Amended decision notice (ENC for Attachment 4) (INCLUDES SCHEDULE 1).pdf; Schedule 2 - Approved Plans and Documents.pdf

Good afternoon

Please find attached correspondence from the Honourable Cameron Dick MP, Queensland Minister for State Development, Manufacturing, Infrastructure and Planning.

Please do not respond to this email. If you wish to reply please send your email to statedevelopment@ministerial.qld.gov.au.

Kind regards




Executive Services Unit

Department of State Development,
Manufacturing, Infrastructure and Planning

[REDACTED]
1 William Street, Brisbane QLD 4000
PO Box 15009, City East QLD 4002
www.statedevelopment.qld.gov.au

SUBJECT: Application for a change to a development approval (minor change) subject to a previous ministerial call in – Mount Emerald Wind Farm, Arriga.

NOTED / APPROVED / NOT APPROVED



Hon. Cameron Dick MP
Minister for State Development, Manufacturing, Infrastructure and Planning

Date.....14.3...../2018

Comments?


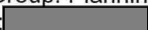
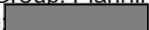
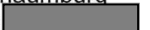

RECOMMENDATION

It is recommended that you:

- **accept** the application as it meets all the requirements of the *Planning Act 2016* (Planning Act) (**Attachment 1**)
- **approve** the change as detailed in section 6 of the Planning Assessment Report (**Attachment 2**)
- **approve the use of your electronic signature** for the attached amended notice of decision (**Attachment 3**)
- **approve the use of your electronic signature** for the attached letter to the affected entity advising of your decision (**Attachment 4**) and enclose a copy of the notice of decision
- **approve the use of your electronic signature** for the attached report to be tabled in the Legislative Assembly (**Attachment 5**) about your decision
- **approve the use of your electronic signature** for the attached letter to Mr Neil Laurie, the Clerk of the Parliament, requesting that he table, on your behalf, the report about your decision in the Legislative Assembly (**Attachment 6**)
- **note** that a decision is required by **14 March 2018** in accordance with section 81(7) of the Planning Act.

BACKGROUND

- On 7 February 2018, RATCH Australia, on behalf of the Mount Emerald Wind Farm Pty Ltd (the applicant), made an application to change the development approval (minor change), subject to a previous ministerial call in for the Mount Emerald Wind Farm located at Springmount Road and Kippin Drive, Arriga (**Attachment 1**).
- The application seeks to amend the definition of micro-siting, to allow the alteration of the siting of the wind turbine identified as WTG#39 within a 300 metre zone beyond its siting as identified on the approved plan, rather than the 100 metre zone that was originally approved.
- The Mareeba Shire Council, as an affected entity to the application, has no objection to the change (Schedule 2 to **Attachment 2**).
- A track changes copy of the amended conditions package (**Attachment 7**) will be provided to the applicant for information only.
- You are not required to table your decision in the Legislative Assembly. However, since the original decision notice was tabled, the Department of State Development, Manufacturing, Infrastructure and Planning (the department) considers it appropriate to table your decision of the change application to ensure the public is informed about the changed development approval.
- Following your decision, the notice of decision will be placed on the department's website.

Author:  Business Group: Planning Group Telephone: 	Endorsed by DDG: Kerry Doss Business Group: Planning Group Telephone: 	Approved by Director-General: Michael Schaumburg Telephone:  9.3...../2018
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MINISTER FOR STATE DEVELOPMENT, MANUFACTURING, INFRASTRUCTURE AND PLANNING
Executive correspondence action sheet

DATE RECEIVED MO <u>8 / 2 / 2018</u>	DATE RECEIVED DEPT <u>9 / 2 / 2018</u>	DATE DUE MO ___ / ___ / 2018	DEPT REF MC18/... <u>823</u>
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Author: [REDACTED] Company: RATCH - Australia

Response required		Other	
<input checked="" type="checkbox"/> Minister signatory	CONSTITUENT? <input type="checkbox"/>	<input checked="" type="checkbox"/> Decision brief	
<input type="checkbox"/> DG or CG signatory	Draft to MO first for approval? <input type="checkbox"/>	<input type="checkbox"/> Noting brief	
<input type="checkbox"/> DDG signatory		<input type="checkbox"/> Meeting brief	
<input type="checkbox"/> Dept signatory (ED or Director)		<input type="checkbox"/> Dot points	
<input type="checkbox"/> Dept for appropriate action		<input type="checkbox"/> Dept to call and resolve	
<input type="checkbox"/> Referral to (agency).....(DLO to action)		<input type="checkbox"/> Other.....	
<input type="checkbox"/> No response necessary – file & note		<input type="checkbox"/>	

Contact person (for response)	Min <input type="checkbox"/>	COS <input type="checkbox"/>	Dept officer <input type="checkbox"/>	Other <input type="checkbox"/>
Response time	5 days <input type="checkbox"/>	10 days <input checked="" type="checkbox"/>	15 days <input type="checkbox"/>	MALPI <input type="checkbox"/> business days from receipt. Note Planning responsible for due date

Minister's Office comments/drafting instructions

JC - 8/2 - Permissible Change to the Decision Notice for the Mant Emerald Wind Farm.

(Planning to confirm timeframes pls) ESU.

Approved by: *sue* Date: 9 / 2 / 18

DLO USE						DLO comments/drafting instructions <u>Act/DA ries timeframes</u>
BU	Lead	Copy/consult	BU	Lead	Copy/consult	
ODG	<input type="checkbox"/>	<input type="checkbox"/>	Planning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
EID	<input type="checkbox"/>	<input type="checkbox"/>	IPP	<input type="checkbox"/>	<input type="checkbox"/>	
IP	<input type="checkbox"/>	<input type="checkbox"/>	EDQ	<input type="checkbox"/>	<input type="checkbox"/>	
MPP	<input type="checkbox"/>	<input type="checkbox"/>	BQ	<input type="checkbox"/>	<input type="checkbox"/>	
RED	<input type="checkbox"/>	<input type="checkbox"/>	SB	<input type="checkbox"/>	<input type="checkbox"/>	
BSP	<input type="checkbox"/>	<input type="checkbox"/>	QRA	<input type="checkbox"/>	<input type="checkbox"/>	
OCG	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	
Lead area must ensure consultation occurs with other business units and departments if/as necessary to ensure a 'whole of portfolio' brief or response is provided.						Approved by: <u><i> J. L. </i></u> Date: <u>9 / 2 / 18</u>

Approved by Director-General/Coordinator-General signature & date: / / 18

[REDACTED]

From: Deputy Premier
Sent: Thursday, 8 February 2018 1:27 PM
To: State Development
Subject: FW: Permissible Change Request - Development Approval - Mt Emerald wind farm
Attachments: 20180207 Request for Permissible Change.pdf; 20180207 Planning Act Form5-Change application form.pdf; 20180131 Company Owner Consent Form.pdf; 20180206 PCR Fee Tax Invoice Receipt 1400009241.pdf; Turbine Layout and Development Footprint Plan PR100246-170-A 18-11-2013.pdf; Turbine Layout and Development Footprint Plan WAD141161-SK01-D.PDF

For your office to action

Kind regards



**Queensland
Government**

PO Box 15009 City East QLD 4002

[REDACTED]

Assistant Office Manager

Office of the Hon. Jackie Trad MP

Deputy Premier, Treasurer

and Minister for Aboriginal and Torres Strait Islander Partnerships

[REDACTED]
1 William Street, Brisbane QLD 4000

From: [REDACTED]
Sent: Wednesday, 7 February 2018 7:59 AM
To: Deputy Premier <deputy.premier@ministerial.qld.gov.au>; 'ministerial.callin@dilgp.qld.gov.au' <ministerial.callin@dilgp.qld.gov.au>
Cc: [REDACTED]
Subject: Permissible Change Request - Development Approval - Mt Emerald wind farm

To whom it may concern,

On behalf of RATCH-Australia, please find attached correspondence associated with a request to make a Permissible Change to the Decision Notice for the Mount Emerald Wind Farm.

Regards

[REDACTED]

RATCH-Australia
Suite F Level 1, 33 Queen St
Brisbane Q 4000

[REDACTED]



7 February 2018

The Honourable Jackie Trad MP
Deputy Premier
Minister for Infrastructure, Local Government and Planning
Minister for Trade and Investment
PO Box 15009
CITY EAST QLD 4002

By email: deputy.premier@ministerial.qld.gov.au
cc ministerial.callin@dilgp.qld.gov.au

Dear Madam,

RE: REQUEST TO CHANGE DEVELOPMENT APPROVAL PURSUANT TO SECTION 78 OF THE PLANNING ACT 2016; MOUNT EMERALD WIND FARM, ARRIGA.

We write in reference to the Decision Notice to approve the Mount Emerald Wind Farm project, subject to conditions, on 24 April 2015 and subsequently amended under a permissible change on 31 January 2017.

In accordance with Section 78 (3) (bb) of the Planning Act 2016, we are making a request to make a Permissible Change to the Decision Notice for the Mount Emerald Wind Farm, Arriga.

The requested change concerns the following Conditions of the Decision Notice:

Location and Design

Condition 2 of the Decision Notice requires a Turbine Location and Development Footprint Plan to be submitted to the chief executive administering SPA, to identify the final position of all the proposed turbines; and the operations and maintenance depots.

It is noted, within **Condition 2** there is a micro-siting allowance of 100 metres for the location of turbines identified in approved plan *Mount Emerald Wind Farm Turbine Location and Development Footprint*.

Currently the project is under construction and as such some aspects of layout and design are being optimised to on-site conditions and to minimise impacts where possible as required under the Construction Environmental Management Plan (CEMP). Through this optimisation process, a modification to the location of one of the turbines has been proposed which exceeds the micro-siting allowance.

The modification relates to the location of a single turbine. It is recognised the numbering of the turbines was amended prior to the commencement of construction, with the relevant turbine originally known as WTG#39, and subsequently re-numbered to WTG#33. With reference to the information provided, the turbine is identified as;

- WTG#39 – as shown in *Mount Emerald Wind Farm Turbine Location and Development Footprint* as Plan/Document number PR100246-170 Issue A, dated 18-11-2013. As noted in Condition 1, Table 1.
- WTG#33 - as shown in *Mount Emerald Wind Farm Turbine Location and Development Footprint* as Plan/Document number WAD141161-SK01-D, dated 26-11-2016. This document was submitted to the chief executive administering SPA, prior to the commencement of construction, as required by provisions of Condition 2.

The reasoning for the modification to the location of this turbine includes;

- Constructability – the turbine is located in an area of steep terrain and civil works needed to build the access road, hardstand and foundation would be quite significant. A revised location would not only reduce the length of access road but substantially reduce the amount of cut/fill earthworks needed to locate the road, hardstand and foundation.



RATCH-Australia Corporation

A Ratchaburi Holdings and Transfield Services Company

Level 7, 111 Pacific Highway
North Sydney NSW 2060

PO Box 1058

North Sydney NSW 2060

Telephone: +61 2 8913 9400

Facsimile: +61 2 8913 9423

www.ratchaustralia.com

- Environmental – the modification would allow for direct avoidance of a known population of a significant plant species (*grevillea glossadenia* and *homoranthus porteri*) as stated in the CEMP, and the associated reduction in disturbance area would also reduce general habitat impacts for other species such as the Nothern Quoll. Further, the avoidance of steeper terrain would reduce risks associated with erosion and sediment control.
- Visibility – any reduction in the amount of cut/fill earthworks associated with the modification will also reduce the visual impact the construction will have in this area.
- Heritage – the modification will allow for a reduction in the risk of potential disturbance to a known area of indigenous heritage which is located in proximity to the proposed earthworks.

It is proposed to change the definition of Micro-siting within **Condition 2** to;

Micro-siting means an alteration to the siting of a turbine by not more than 100 metres beyond the siting of turbines identified in approved plan Mount Emerald Wind Farm Turbine Location and Development Footprint PR100246-170 Issue A, dated 18-11-2013. Except for the turbine identified as WTG#39, which may be altered by not more than 300m beyond the siting of turbines identified in approved plan Mount Emerald Wind Farm Turbine Location and Development Footprint PR100246-170 Issue A, dated 18-11-2013.

It is recognised the change in location of turbine WTG#39 may have some impacts on other Conditions of Approval, thus a summary of the expected outcomes is shown in the table below. It is also noted the available zone for micro-siting of this turbine is restricted by its proximity to the subject property boundary (Lot 7 SP235244). A move in a north-westerly direction is considered most likely, given the nature of the topography in the specific location.



Condition	Outcome
1	No change
2	Change to the definition of Micro-siting
3	i. No change - proposed number of turbines to be installed remains at 53 ii. minimum setback of 1,500m not breached. The distance between the closest dwellings to the modified (worst case) location of WTG#39 are; R11 – 3,575m before; 3,325m after (if moved to the closest point) R80 – 3,471m before; 3,299m after (if moved to the closest point)



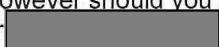
	iii. No change iv. No change - overall maximum height remains below 1,179.5m v. No change - hub heights not changed vi. No change
4	No change
5	Given the distance between the turbine and receptors (>3,000m), no measurable change to noise levels is expected.
6	Given the distance between the turbine and receptors (>3,000m), no measurable change to shadow flicker is expected.
7	No change
8	No change
9	No change
10	No change
11	No change
12	No change
13	No change

In support of this request, to make a Permissible Change to the Decision Notice for the Mount Emerald Wind Farm, please find enclosed:

- Receipt for \$1,564, being the relevant application fee;
- Owner's Consent Form;
- *Mount Emerald Wind Farm Turbine Location and Development Footprint Plan/Document number PR100246-170 Issue A, dated 18-11-2013;*
- *Mount Emerald Wind Farm Turbine Location and Development Footprint Plan/Document number WAD141161-SK01-D, dated 26-11-2016.*

Please note that a copy of the request has been provided to:

- Mareeba Shire Council, as the Assessment Manager for the application;
- State Assessment Referral Agency (SARA).

We trust this information is sufficient for your purposes, however should you require any further details or clarification, please do not hesitate to contact myself or  on the numbers below.

Yours sincerely,



Company owner's consent to the making of a development application under the *Sustainable Planning Act 2009*

I, _____
[insert name in full]
Director of the below mentioned company and

I, _____
[insert name in full]

of _____ Port Bajool Pty Ltd _____ [insert name of company]

as owner of premises identified as follows:

Lot 7 on SP235244

consent to the making of a development application under the *Sustainable Planning Act 2009* by

Mount Emerald Wind Farm Pty Ltd (c-RPS Australia East Pty Ltd)

_____ [insert name of applicant]

on the premises described above for the purposes of

Utility Installation [Wind Farm] including ancillary infrastructure and facilities.

Material Change of Use for a Wind Farm comprising a maximum of 63 turbines.

_____ [insert details of the proposed development e.g. material change of use for three storey apartment building]

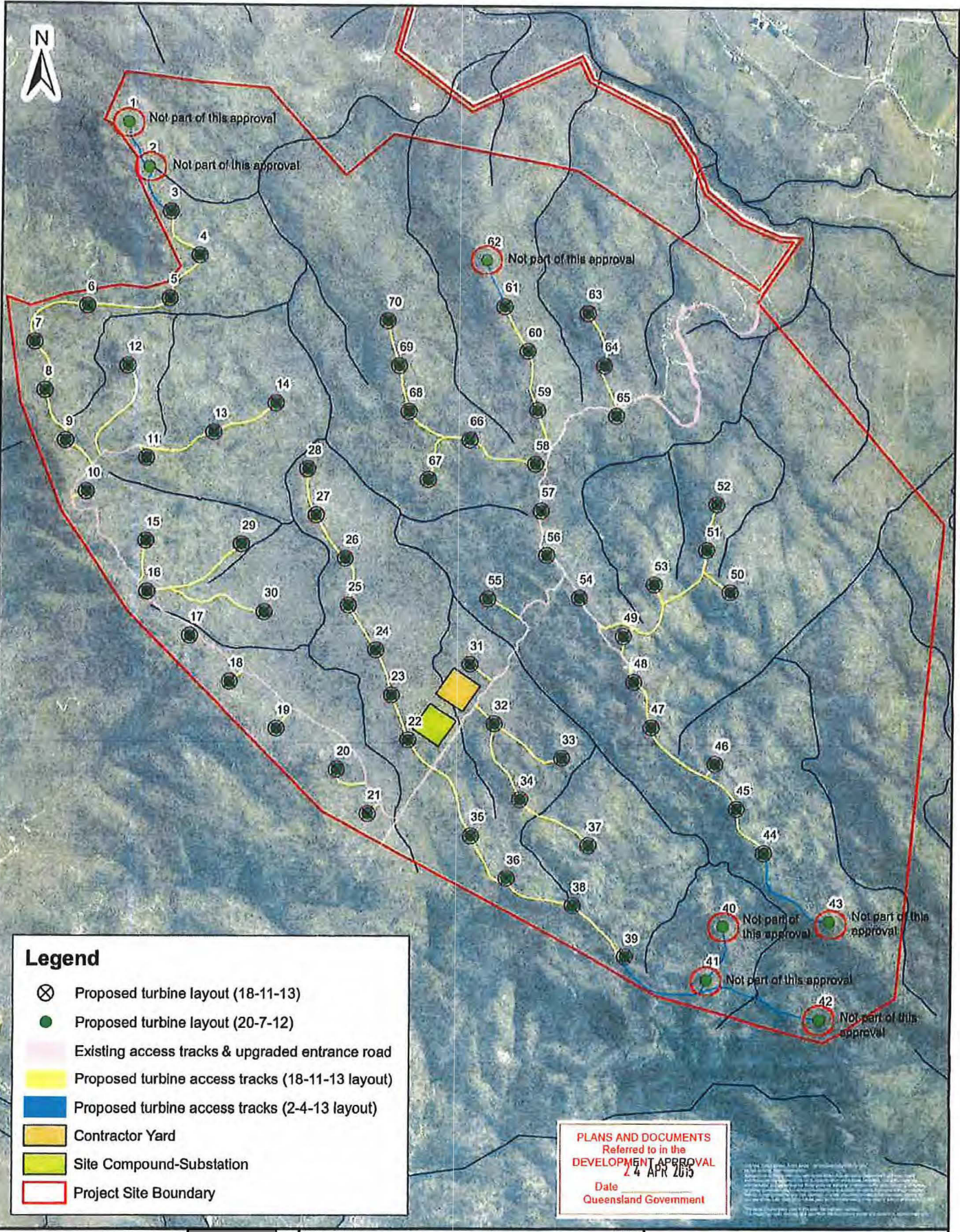
_____ [signature of Director]

signed on the 31st day of January 2018

_____ [signature of Director/company secretary]

signed on the 31st day of January 2018

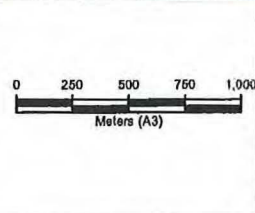
Company seal [if used]



Legend

- ⊗ Proposed turbine layout (18-11-13)
- Proposed turbine layout (20-7-12)
- Existing access tracks & upgraded entrance road
- Proposed turbine access tracks (18-11-13 layout)
- Proposed turbine access tracks (2-4-13 layout)
- Contractor Yard
- Site Compound-Substation
- Project Site Boundary

PLANS AND DOCUMENTS
 Referred to in the
DEVELOPMENT APPROVAL
 24 APR 2013
 Date
 Queensland Government



Map Projection
 MGaz55
 Map Datum
 GDA94
 File Reference
 PR100246-170a.mxd
 Sheet Number
 1 of 1

Client
RACL
 Title
**Mount Emerald Wind Farm
 Turbine locations and development footprint**

RPS

RPS Australia East Pty Ltd
 ACN 140 282 762
 135 Abbott St
 PO Box 1949
 CAIRNS QLD 4870
 T +61 7 4031 1336
 F +61 7 4031 2942
 W rpsgroup.com.au

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 Plans contain the author

SCALE (A3) 1:22,000	DATE 18-11-2013	DRAWING NO PR100246-170	ISSUE A
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Change application form

Planning Act Form 5 (version 1.0 effective 3 July 2017) made under Section 282 of the Planning Act 2016.

This form is to be used for a change an application made under section 78 of the *Planning Act 2016*. It is important when making a change application to be aware of whether the application is for a minor change that will be assessed under section 81 of the *Planning Act 2016* or for an 'other' change that will be assessed under section 82 of the *Planning Act 2016*.

An applicant must complete all parts of this form, and provide any supporting information that the form identifies as being required to accompany the change application, unless stated otherwise. Additional pages may be attached if there is insufficient space on the form to complete any part.

Note: All terms used in this form have the meaning given under the *Planning Act 2016*, the *Planning Regulation 2017*, or the *Development Assessment Rules (DA Rules)*.

PART 1 – APPLICANT DETAILS

1) Applicant details	
Applicant name(s) <i>(individual or company full name)</i>	Mount Emerald Wind Farm Pty Ltd
Contact name <i>(only applicable for companies)</i>	
Postal address <i>(P.O. Box or street address)</i>	
Suburb	
State	
Postcode	
Country	
Email address <i>(non-mandatory)</i>	
Mobile number <i>(non-mandatory)</i>	
Applicant's reference number(s) <i>(if applicable)</i>	

2) Owner's consent - Is written consent of the owner required for this change application? <i>Note: section 79(1)(b)(iii) of the Planning Act 2016 states the requirements in relation to owner's consent.</i>
<input checked="" type="checkbox"/> Yes – the written consent of the owner(s) is attached to this change application <input type="checkbox"/> No – proceed to 3) in Part 2

PART 2 – RESPONSIBLE ENTITY DETAILS

3) Identify the responsible entity that will be assessing this change application <i>Note: see section 78(3) of the Planning Act 2016</i>
<i>The Minister under section 78 (3) (bb)</i>

PART 3 – CHANGE DETAILS

4) Provide details of the existing development approval subject to this change application			
Approval type	Reference number	Date issued	Assessment manager/approval entity
<input checked="" type="checkbox"/> Development permit	MBN14/753	24-04-2015	Minister
<input type="checkbox"/> Preliminary approval	MC16/5324	31-01-2017	
<input type="checkbox"/> Development permit			
<input type="checkbox"/> Preliminary approval			



5) Type of change proposed	
5.1) Provide a brief description of the changes proposed to the development approval (e.g. changing a development approval for a 5 unit apartment building to provide for a 6 unit apartment building):	
Change to the definition of micro-siting to increase the allowable distance from 100m to 300m for a single particular turbine. Identified as WTG#39 in Mount Emerald Wind Farm Turbine Location and Development Footprint PR100246-170 Issue A, dated 18-11-2013.	
5.2) What type of change does this application propose?	
<input checked="" type="checkbox"/> Minor change application – proceed to Part 4 <input type="checkbox"/> Other change application – proceed to Part 5	

PART 4 – MINOR CHANGE APPLICATION REQUIREMENTS

6) Are there any affected entities for this change application		
<input type="checkbox"/> No – proceed to Part 6 <input checked="" type="checkbox"/> Yes – list all affected entities below and proceed to Part 6 Note: section 80(1) of the Planning Act 2016 states that the person making the change application must give notice of the proposal and the details of the change to each affected entity as identified in section 80(2) of the Planning Act 2016.		
Affected entity	Pre-request response provided? (where a pre-request response notice for the application has been given, a copy of the notice must accompany this change application)	Date notice given (where no pre-request response provided)
Mareeba Shire Council	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – pre-request response is attached to this change application	7-02-2018
	<input type="checkbox"/> No <input type="checkbox"/> Yes – pre-request response is attached to this change application	
	<input type="checkbox"/> No <input type="checkbox"/> Yes – pre-request response is attached to this change application	

PART 5 – OTHER CHANGE APPLICATION REQUIREMENTS

Note: to complete this part it will be necessary for you to complete parts of DA Form 1 and in some instances parts of DA Form 2, as mentioned below. These forms are available at www.dilgp.qld.gov.au.

7) Location details - Are there any additional premises included in this change application that were not part of the original development approval?	
<input type="checkbox"/> No <input type="checkbox"/> Yes – complete Part 2 (Location details) of DA Form 1 as it relates to the additional premises is completed and provided with this application.	
8) Development details	
8.1) Are there any new or changed development aspects included in this change application that are not part of the original development approval?	
<input type="checkbox"/> No – proceed to 9) <input type="checkbox"/> Yes – the completed Sections 1 and 2 of Part 3 (Development details) of DA Form 1 as these sections relate to the new or changed aspects of development are provided with this application.	
8.2) Does the change application involve building work?	
<input type="checkbox"/> No	

Yes – the completed Part 5 (Building work details) of DA Form 2 as it relates to the change application is provided with this application.

9) Referral details - Do any aspects of the change application require referral for any referral requirements?
Note: The application must be referred to each referral agency triggered by the change application as if the change application was the original development application including the proposed change.

No
 Yes – the completed Sections 1 and 2 of Part 5 (Referral details) of DA Form 1 as it relates to the change application is provided with this application. Where referral is required for matters relating to building work the referral checklist for building work is also completed.

10) Information request under Part 3 of the DA Rules

I agree to receive an information request if determined necessary for this change application
 I do not agree to accept an information request for this change application
Note: *By not agreeing to accept an information request I, the applicant, acknowledge:*

- that this change application will be assessed and decided based on the information provided when making this change application and the assessment manager and any referral agencies relevant to the change application are not obligated under the DA Rules to accept any additional information provided by the applicant for the change application unless agreed to by the relevant parties
- Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules.

Further advice about information requests is contained in the DA Forms Guide.

11) Further details

Part 7 of DA Form 1 is completed as if the change application was a development application and is provided with this application.

PART 6 – CHECKLIST AND APPLICANT DECLARATION

12) change application checklist

I have identified the:

- responsible entity in 3); and
- for a minor change, any affected entities; and Yes
- for an 'other' change all relevant referral requirement(s) in 9)

Note: *See the Planning Regulation 2017 for referral requirements*

For an 'other' change application, the relevant sections of *DA Form 1 – Development details* have been completed and is attached to this application Yes Not applicable

For an 'other' change application, where building work is associated with the change application, the relevant sections of *Form 2 – Building work details* have been completed and is attached to this application Yes Not applicable

Supporting information addressing any applicable assessment benchmarks is attached to this application Yes

Note: *This includes any templates provided under 23.6) of DA Form 1 that are relevant as a result of the change application, a planning report and any technical reports required by the relevant categorising instrument(s) (e.g. the local government planning scheme, State Planning Policy, State Development Assessment Provisions). For further information, see DA Forms Guide: Planning report template.*

Relevant plans of the development are attached to this development application Yes

Note: *Relevant plans are required to be submitted for all relevant aspects of this change application. For further information, see DA Forms Guide: Relevant plans.*

24) Applicant declaration

By making this change application, I declare that all information in this change application is true and correct.

Where an email address is provided in Part 1 of this form, I consent to receive future electronic communications from the responsible entity and any relevant affected entity or referral agency for the change application where written information is required or permitted pursuant to sections 11 and 12 of the *Electronic Transactions Act 2001*.
Note: It is unlawful to intentionally provide false or misleading information.

Privacy – Personal information collected in this form will be used by the responsible entity and/or chosen assessment manager, any relevant affected entity or referral agency and/or building certifier (including any professional advisers which may be engaged by those entities) while processing, assessing and deciding the change application.
 All information relating to this change application may be available for inspection and purchase, and/or published on the assessment manager's and/or referral agency's website.
 Personal information will not be disclosed for a purpose unrelated to the *Planning Act 2016*, *Planning Regulation 2017* and the DA Rules except where:

- such disclosure is in accordance with the provisions about public access to documents contained in the *Planning Act 2016* and the *Planning Regulation 2017*, and the access rules made under the *Planning Act 2016* and *Planning Regulation 2017*; or
- required by other legislation (including the *Right to Information Act 2009*); or
- otherwise required by law.

This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

PART 7 – FOR OFFICE USE ONLY

Date received: Reference number(s):

QLeave notification and payment	
<i>Note: For completion by assessment manager if applicable</i>	
Description of the work	
QLeave project number	
Amount paid (\$)	
Date paid	
Date receipted form sighted by assessment manager	
Name of officer who sighted the form	

The *Planning Act 2016*, the *Planning Regulation 2017* and the DA Rules are administered by the Department of Infrastructure, Local Government and Planning. This form and all other required change application materials should be sent to the responsible entity.



**Queensland
Government**

Department of Infrastructure, Local
Government and Planning
Level 13
1 William Street, Brisbane
PO Box 15009
CITY EAST, QLD, 4002
ABN: 25166523889

**Tax Invoice/
Receipt**

Tax Invoice Number: 1400009241
Receipt Number: 1400009241
Tax Invoice Date: 06/02/2018
Date Printed: 06/02/2018

Purchaser:

RATCH AUSTRALIA CORPORATION
PO BOX 12833
BRISBANE QLD 4003

Contact Details

Contact: Accounts Receivable Area
Phone: [REDACTED]
Email: [REDACTED]

Payment Information	
Additional Identifier:	Head Office - SSP
Payment Mode:	Direct Bank Deposit
Drawer/Card Name/Money Order No.:	[REDACTED]

Details

Supply Date	Account	Item	Company	Total amount Payable excluding GST	GST Amount Payable	Total Amount Payable including GST
06/02/2018	[REDACTED]	CC MOUNT EMERALD WIND FARM #3	[REDACTED]	\$1,564.00	\$0.00	\$1,564.00
TOTAL				\$1,564.00	\$0.00	\$1,564.00

Total Amount Payable excluding GST \$1,564.00

GST Amount Payable \$0.00

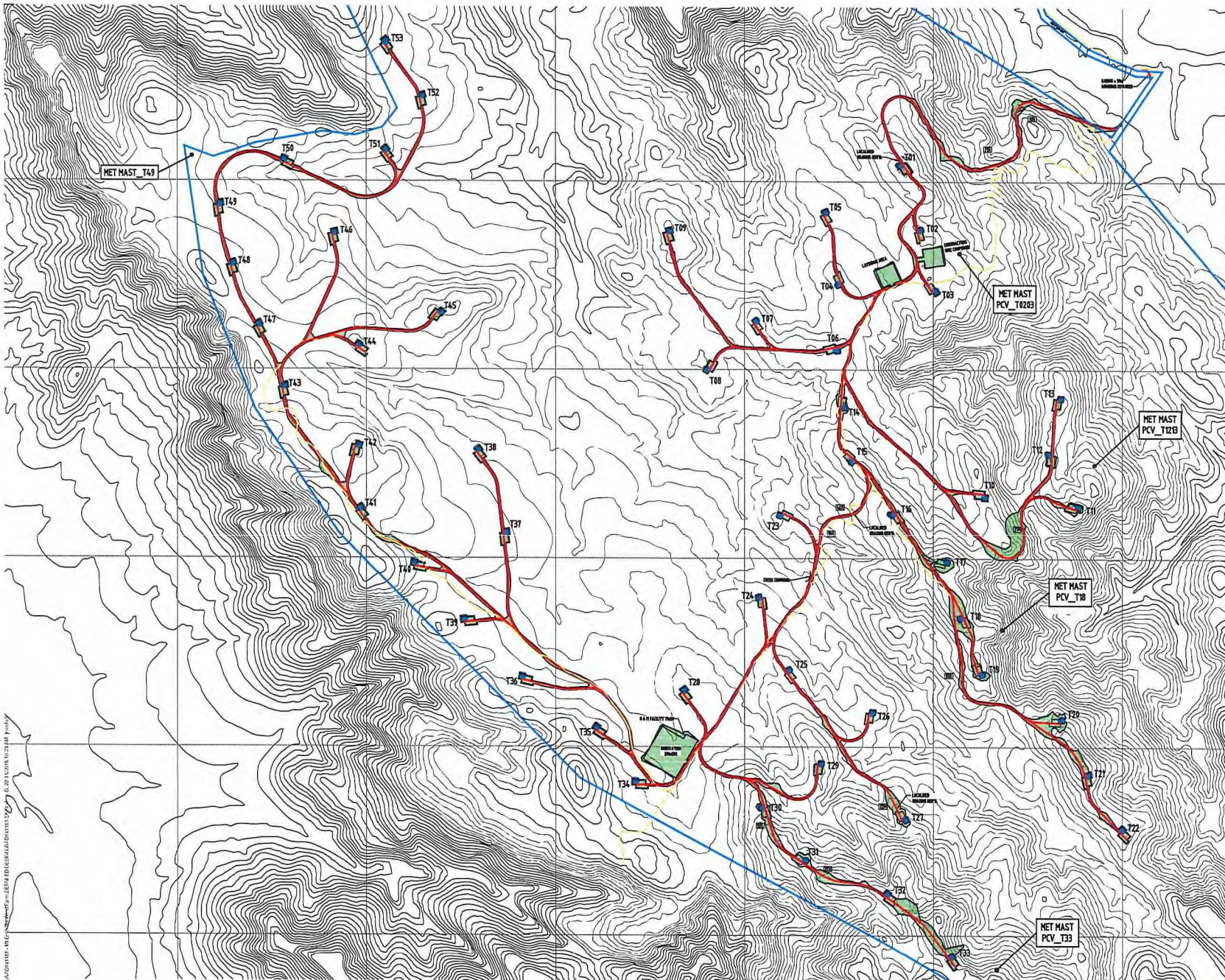
Total Amount Payable including GST \$1,564.00

Payment Received	
TOTAL PAID includes GST	\$1,564.00
Net Amount Due	\$0.00

If you require any further information regarding this tax invoice/receipt, please refer to the contact details above.

PRIVACY STATEMENT.

The Queensland Government is committed to protecting your privacy. Your personal details will be securely stored on a Queensland Government database which will only be accessible by authorised persons of government agencies where the disclosure is necessary to fulfil statutory, administrative or other public responsibilities. The personal information will only be used for the purpose for which you provide it and will not be given to another person or body without your consent, or unless required by law. Details of the Queensland Government Privacy Scheme can be accessed through <https://www.qld.gov.au/gov/information-security-records-and-privacy>.



LEGEND

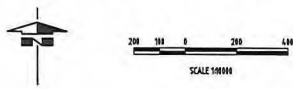
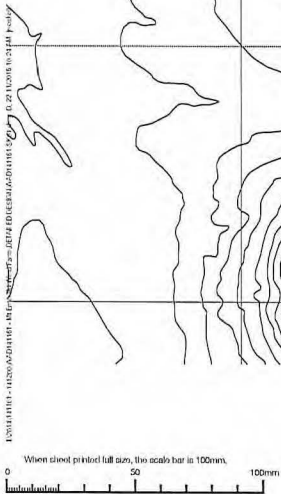
- T01 PROPOSED TURBINE LOCATION
- PROPOSED WIND FARM ROAD
- 1m CONTOUR
- EXISTING ROADS
- PROPOSED BATTER EXTENTS IN 2 BATTERS

NOTE:
 CONCEPT LAYOUT BASED ON 10m CONTOUR DATA ONLY
 AREA OF PROPOSED BATTER EXTENTS = 71.8 HECTARES

DISCLAIMER
 THESE DRAWINGS AND/OR DATA ARE PROVIDED BY WALLBROOKE AND GILBERT W4G FOR INFORMATION ONLY AND HAVE BEEN DEVELOPED UPON THE INFORMATION AVAILABLE IN ADVANCING THE PLANNING DESIGN WORKS. W4G DOES NOT ACCEPT ANY RESPONSIBILITY OR LIABILITY ARISING FROM:
 - DESIGN ASPECTS OR CHANGES REQUIRED TO THE PROPOSED DESIGN
 - USE OF THE INFORMATION FOR TENDERS ESTIMATE PURPOSES
 - CHANGES MADE BY OTHERS TO THE ELECTRONIC MATERIAL
 - USE OF THE ELECTRONIC MATERIAL FOR ANY PURPOSE NOT ADOPTED TO BY W4G IN WRITING.
 TO THE EXTENT PERMITTED BY LAW, W4G EXCLUDES ALL SUCH LIABILITY. YOU USE THIS MATERIAL ENTIRELY AT YOUR OWN RISK.

TURBINE COORDINATES

Turbine ID	Easting	Northing	Turbine ID	Easting	Northing
T01	E. 328192	N. 8102560	T26	E. 328448	N. 8099655
T02	E. 328193	N. 8102219	T27	E. 328024	N. 8099180
T03	E. 328193	N. 8101897	T28	E. 327452	N. 8099773
T04	E. 328466	N. 8101926	T29	E. 328376	N. 8099384
T05	E. 328402	N. 8102310	T30	E. 328058	N. 8099149
T06	E. 328450	N. 8101575	T31	E. 328292	N. 8098872
T07	E. 328051	N. 8101732	T32	E. 328126	N. 8098495
T08	E. 327168	N. 8101425	T33	E. 329067	N. 8098362
T09	E. 327574	N. 8102211	T34	E. 327392	N. 8099290
T10	E. 329242	N. 8100193	T35	E. 327187	N. 8099577
T11	E. 329130	N. 8100745	T36	E. 328793	N. 8098455
T12	E. 329249	N. 8100821	T37	E. 326708	N. 8100686
T13	E. 329444	N. 8101320	T38	E. 326556	N. 8101046
T14	E. 328490	N. 8101272	T39	E. 326484	N. 8100150
T15	E. 328537	N. 8100981	T40	E. 326222	N. 8100448
T16	E. 328153	N. 8100719	T41	E. 325941	N. 8100734
T17	E. 329043	N. 8100457	T42	E. 325931	N. 8101065
T18	E. 329113	N. 8100157	T43	E. 325539	N. 8101383
T19	E. 329228	N. 8099859	T44	E. 325930	N. 8101603
T20	E. 329448	N. 8099620	T45	E. 326364	N. 8101775
T21	E. 329190	N. 8099328	T46	E. 325803	N. 8102011
T22	E. 329970	N. 8099441	T47	E. 325402	N. 8101773
T23	E. 328157	N. 8100495	T48	E. 325266	N. 8102037
T24	E. 328045	N. 8100267	T49	E. 325197	N. 8102351
T25	E. 328206	N. 8099881	T50	E. 325538	N. 8102589
T26	E. 328448	N. 8099655	T51	E. 326071	N. 8102842
T27	E. 328024	N. 8099180	T52	E. 326263	N. 8102926
T28	E. 327452	N. 8099773	T53	E. 326071	N. 8103211
T29	E. 328376	N. 8099384			



REV.	DATE	DESCRIPTION	DRAFT	ENG.	CHKD.
A	16.10.16	CONCEPT INFORMATION ISSUE	B.JH	RD	
B	17.11.16	TURBINES RE-NUMBERED	J.JW	RD	
C	21.11.16	REVISED TURBINE NUMBERING AND MET MAST LOCATIONS	J.JW	RD	
D	22.11.16	REVISED TURBINE NUMBERING	J.JW	RD	

W&G
 WALLBROOKE & GILBERT
 Consulting Engineers
 60 Wyatt Street, Adelaide
 South Australia 5000
 Telephone 08 8223 7423
 Email adelaide@wago.com.au

MT EMERALD WIND FARM
 TURBINE LOCATION AND
 DEVELOPMENT FOOTPRINT PLAN (TLDFP)
 A1 DRAWING NUMBER
 Design: B.JH Drawn: B.JH WAD141161 SK01D

Change application form

Planning Act Form 5 (version 1.0 effective 3 July 2017) made under Section 282 of the Planning Act 2016.

This form is to be used for a change an application made under section 78 of the *Planning Act 2016*. It is important when making a change application to be aware of whether the application is for a minor change that will be assessed under section 81 of the *Planning Act 2016* or for an 'other' change that will be assessed under section 82 of the *Planning Act 2016*.

An applicant must complete all parts of this form, and provide any supporting information that the form identifies as being required to accompany the change application, unless stated otherwise. Additional pages may be attached if there is insufficient space on the form to complete any part.

Note: All terms used in this form have the meaning given under the *Planning Act 2016*, the *Planning Regulation 2017*, or the *Development Assessment Rules (DA Rules)*.

PART 1 – APPLICANT DETAILS

1) Applicant details	
Applicant name(s) <i>(individual or company full name)</i>	Mount Emerald Wind Farm Pty Ltd
Contact name <i>(only applicable for companies)</i>	
Postal address <i>(P.O. Box or street address)</i>	
Suburb	
State	
Postcode	
Country	
Email address <i>(non-mandatory)</i>	
Mobile number <i>(non-mandatory)</i>	
Applicant's reference number(s) <i>(if applicable)</i>	

2) Owner's consent - Is written consent of the owner required for this change application?	
Note: section 79(1)(b)(iii) of the <i>Planning Act 2016</i> states the requirements in relation to owner's consent.	
<input checked="" type="checkbox"/> Yes – the written consent of the owner(s) is attached to this change application <input type="checkbox"/> No – proceed to 3) in Part 2	

PART 2 – RESPONSIBLE ENTITY DETAILS

3) Identify the responsible entity that will be assessing this change application	
Note: see section 78(3) of the <i>Planning Act 2016</i>	
The Minister under section 78 (3) (bb)	

PART 3 – CHANGE DETAILS

4) Provide details of the existing development approval subject to this change application			
Approval type	Reference number	Date issued	Assessment manager/approval entity
<input checked="" type="checkbox"/> Development permit	MBN14/753	24-04-2015	Minister
<input type="checkbox"/> Preliminary approval	MC16/5324	31-01-2017	
<input type="checkbox"/> Development permit			
<input type="checkbox"/> Preliminary approval			



5) Type of change proposed	
5.1) Provide a brief description of the changes proposed to the development approval (e.g. changing a development approval for a 5 unit apartment building to provide for a 6 unit apartment building):	
Change to the definition of micro-siting to increase the allowable distance from 100m to 300m for a single particular turbine. Identified as WTG#39 in Mount Emerald Wind Farm Turbine Location and Development Footprint PR100246-170 Issue A, dated 18-11-2013.	
5.2) What type of change does this application propose?	
<input checked="" type="checkbox"/> Minor change application – proceed to Part 4 <input type="checkbox"/> Other change application – proceed to Part 5	

PART 4 – MINOR CHANGE APPLICATION REQUIREMENTS

6) Are there any affected entities for this change application		
<input type="checkbox"/> No – proceed to Part 6 <input checked="" type="checkbox"/> Yes – list all affected entities below and proceed to Part 6 Note: section 80(1) of the Planning Act 2016 states that the person making the change application must give notice of the proposal and the details of the change to each affected entity as identified in section 80(2) of the Planning Act 2016.		
Affected entity	Pre-request response provided? (where a pre-request response notice for the application has been given, a copy of the notice must accompany this change application)	Date notice given (where no pre-request response provided)
Mareeba Shire Council	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes – pre-request response is attached to this change application	7-02-2018
	<input type="checkbox"/> No <input type="checkbox"/> Yes – pre-request response is attached to this change application	
	<input type="checkbox"/> No <input type="checkbox"/> Yes – pre-request response is attached to this change application	

PART 5 – OTHER CHANGE APPLICATION REQUIREMENTS

Note: to complete this part it will be necessary for you to complete parts of DA Form 1 and in some instances parts of DA Form 2, as mentioned below. These forms are available at www.dilgp.qld.gov.au.

7) Location details - Are there any additional premises included in this change application that were not part of the original development approval?	
<input type="checkbox"/> No <input type="checkbox"/> Yes – complete Part 2 (Location details) of DA Form 1 as it relates to the additional premises is completed and provided with this application.	
8) Development details	
8.1) Are there any new or changed development aspects included in this change application that are not part of the original development approval?	
<input type="checkbox"/> No – proceed to 9) <input type="checkbox"/> Yes – the completed Sections 1 and 2 of Part 3 (Development details) of DA Form 1 as these sections relate to the new or changed aspects of development are provided with this application.	
8.2) Does the change application involve building work?	
<input type="checkbox"/> No	

<input type="checkbox"/> Yes – the completed Part 5 (Building work details) of DA Form 2 as it relates to the change application is provided with this application.

<p>9) Referral details - Do any aspects of the change application require referral for any referral requirements? Note: <i>The application must be referred to each referral agency triggered by the change application as if the change application was the original development application including the proposed change.</i></p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes – the completed Sections 1 and 2 of Part 5 (Referral details) of DA Form 1 as it relates to the change application is provided with this application. Where referral is required for matters relating to building work the referral checklist for building work is also completed.</p>
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<p>10) Information request under Part 3 of the DA Rules</p> <p><input type="checkbox"/> I agree to receive an information request if determined necessary for this change application</p> <p><input type="checkbox"/> I do not agree to accept an information request for this change application</p> <p>Note: <i>By not agreeing to accept an information request I, the applicant, acknowledge:</i></p> <ul style="list-style-type: none"> that this change application will be assessed and decided based on the information provided when making this change application and the assessment manager and any referral agencies relevant to the change application are not obligated under the DA Rules to accept any additional information provided by the applicant for the change application unless agreed to by the relevant parties Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules. <p>Further advice about information requests is contained in the DA Forms Guide.</p>
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<p>11) Further details</p> <p><input type="checkbox"/> Part 7 of DA Form 1 is completed as if the change application was a development application and is provided with this application.</p>

PART 6 – CHECKLIST AND APPLICANT DECLARATION

<p>12) change application checklist</p> <p>I have identified the:</p> <ul style="list-style-type: none"> responsible entity in 3); and for a minor change, any affected entities; and for an 'other' change all relevant referral requirement(s) in 9) <p>Note: <i>See the Planning Regulation 2017 for referral requirements</i></p>	<p><input checked="" type="checkbox"/> Yes</p>
<p>For an 'other' change application, the relevant sections of <i>DA Form 1 – Development details</i> have been completed and is attached to this application</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> Not applicable</p>
<p>For an 'other' change application, where building work is associated with the change application, the relevant sections of <i>Form 2 – Building work details</i> have been completed and is attached to this application</p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> Not applicable</p>
<p>Supporting information addressing any applicable assessment benchmarks is attached to this application</p> <p>Note: <i>This includes any templates provided under 23.6) of DA Form 1 that are relevant as a result of the change application, a planning report and any technical reports required by the relevant categorising instrument(s) (e.g. the local government planning scheme, State Planning Policy, State Development Assessment Provisions). For further information, see DA Forms Guide: Planning report template.</i></p>	<p><input type="checkbox"/> Yes</p>
<p>Relevant plans of the development are attached to this development application</p> <p>Note: <i>Relevant plans are required to be submitted for all relevant aspects of this change application. For further information, see DA Forms Guide: Relevant plans.</i></p>	<p><input checked="" type="checkbox"/> Yes</p>

<p>24) Applicant declaration</p> <p><input checked="" type="checkbox"/> By making this change application, I declare that all information in this change application is true and correct.</p>

Where an email address is provided in Part 1 of this form, I consent to receive future electronic communications from the responsible entity and any relevant affected entity or referral agency for the change application where written information is required or permitted pursuant to sections 11 and 12 of the *Electronic Transactions Act 2001*.

Note: It is unlawful to intentionally provide false or misleading information.

Privacy – Personal information collected in this form will be used by the responsible entity and/or chosen assessment manager, any relevant affected entity or referral agency and/or building certifier (including any professional advisers which may be engaged by those entities) while processing, assessing and deciding the change application.

All information relating to this change application may be available for inspection and purchase, and/or published on the assessment manager's and/or referral agency's website.

Personal information will not be disclosed for a purpose unrelated to the *Planning Act 2016*, *Planning Regulation 2017* and the DA Rules except where:

- such disclosure is in accordance with the provisions about public access to documents contained in the *Planning Act 2016* and the *Planning Regulation 2017*, and the access rules made under the *Planning Act 2016* and *Planning Regulation 2017*; or
- required by other legislation (including the *Right to Information Act 2009*); or
- otherwise required by law.

This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

PART 7 – FOR OFFICE USE ONLY

Date received: Reference number(s):

QLeave notification and payment	
<i>Note: For completion by assessment manager if applicable</i>	
Description of the work	
QLeave project number	
Amount paid (\$)	
Date paid	
Date receipted form sighted by assessment manager	
Name of officer who sighted the form	

The *Planning Act 2016*, the *Planning Regulation 2017* and the DA Rules are administered by the Department of Infrastructure, Local Government and Planning. This form and all other required change application materials should be sent to the responsible entity.



Deputy Premier
Minister for Infrastructure, Local Government and Planning
and Minister for Trade and Investment

Our ref: MC16/5324

31 JAN 2017

1 William Street
PO Box 15009 City East
Queensland 4002 Australia
Telephone +61 7 3719 7100
Email deputy.premier@ministerial.qld.gov.au

ABN 90 856 020 239

[REDACTED]
Mount Emerald Wind Farm Pty Ltd
c/- Ratch-Australia Corporation
Level 4, 231 George Street
BRISBANE QLD 4000

Dear [REDACTED]

Notice of Decision
Request to changed approval under Section 369 of the
Sustainable Planning Act 2009

Thank you for your letter of 9 December 2016, and for your email correspondence dated 9 January 2017, on behalf of the applicant Mount Emerald Wind Farm Pty Ltd, requesting to change a development approval, subject of a previous ministerial call in for the Mount Emerald Wind Farm at Arriga.

I am pleased to advise that I have approved the requested changes. The approved changes are shown in bold in the enclosed decision notice for the original application dated 24 April 2015.

Applicant details

Applicant name:	Mount Emerald Wind Farm Pty Ltd
Applicant contact details:	c/- Ratch-Australia Corporation Level 4, 231 George Street BRISBANE QLD 4000

Application details

Original assessment manager:	Mareeba Shire Council
Date application properly made:	29 March 2012
Original approval sought:	Development permit for a material change of use for a wind farm comprising a maximum of 75 turbines
Description of development:	Wind farm
Category of development:	Code assessment

Property details

Real property description:	Lot 7 on SP235244, part of Lot 905 on CP896501 and Easement A in Lot 1, Easement C in Lot 2 and Easement E in Lot 3 on SP231871
Address of property:	Springmount Road and Kippin Drive, Arriga

Ministerial call in details

Date call in notice given: 11 June 2014
Date of decision: 24 April 2015
Details of decision: Approved, subject to conditions
Type of approval: Development permit for a material change of use for a wind farm comprising a maximum of 63 turbines

Request to change approval

Date request was properly made: 9 December 2016
Description of requested changes:

1. Deletion of condition 5
2. Amendment of condition 6 – to remove references to condition 5
3. Amendment of condition 7 – to ensure that the shadow flicker does not exceed 30 hour per annum and 30 minutes per day in line with the requirements of the Wind Farm State Code and Guideline
4. Deletion of condition 10
5. Amendment of condition 11 (a) – to be modified to remove the requirement for it to be prepared by a RPEQ and replaced with suitably qualified expert.

Date of Decision: **31 January 2017**
Details of decision: Approved

Nature of the changes

The nature of the approved changes are to:

- (i) Deletion of condition 5 to remove the requirement relating to low frequency noise emission in line with the Wind Farm State Code and Guideline
- (ii) Amendment of parts of condition 6 which reference condition 5, as the condition requires the applicant to submit a revised noise assessment report, demonstrating compliance with the noise limits specified in conditions 4 and 5.
- (iii) Amendment of parts of condition 7(a) to read:
'Submit to the chief executive administering SPA a revised shadow flicker assessment report certified by a suitably qualified and experienced person demonstrating that the shadow flicker from the turbines will not exceed 30 hours per annum and 30 minutes per day at any dwelling existing at the date of this approval.'
- (iv) Deletion of condition 10 to remove the requirement relating to on-site landscaping plan as the final location of substation and ancillary structures will be screened from all sensitive view locations by the existing land form and tree cover
- (v) Amendment of condition 11(a) to read:
'Submit to the chief executive administering the SPA a Construction Traffic Management Plan (CTMP) prepared by suitably qualified expert and in consultation with the Department of Transport and Main Roads, Cairns Regional Council, Tablelands Regional Council and Mareeba Shire Council.'
- (vi) Consequential renumbering of conditions in the approval.

Referral Agencies

Section 372 of SPA requires that when a person makes a request to change the development approval, the person must give a copy of the request to the original assessment manager and any concurrence agencies for the original development application as the relevant entities.

The Mareeba Shire Council and the Department of Infrastructure, Local Government and Planning, as the concurrence agency, have provided responses as relevant entities to the request for the change to the development approval.

Conditions of approval

The conditions of this approval are set out in the decision notice for the original application, with the approved changes shown in bold.

Appeal rights

A person may not appeal against the Minister's decision (section 427(5) of SPA).

If you require further information, I encourage you to contact [REDACTED] Director, Development Assessment in the Department of Infrastructure, Local Government and Planning on [REDACTED] or by email at [REDACTED]

Yours sincerely



JACKIE TRAD MP
DEPUTY PREMIER
Minister for Infrastructure, Local Government and Planning
and Minister for Trade and Investment

Enc (3)



Hon Jackie Trad MP

Deputy Premier

Minister for Transport, Minister for Infrastructure,

Local Government and Planning and Minister for Trade

Our ref: MBN14/753

24 April 2015

[REDACTED]
Mount Emerald Wind Farm Pty Ltd
c/- RATCH Australia
Level 4, 231 George Street
BRISBANE QLD 4000
Email: [REDACTED]

Dear [REDACTED]

DECISION NOTICE Ministerial Call In of Development Application Mount Emerald Wind Farm, Arriga

I refer to the then Deputy Premier, Minister for State Development, Infrastructure and Planning's decision on 11 June 2014 to exercise ministerial call in powers under the *Sustainable Planning Act 2009* (SPA) to call in the development application for the Mount Emerald Wind Farm, Arriga.

Please be advised that on 24 April 2015, I decided to approve the development application subject to conditions.

Applicant details	
Name of applicant:	Mount Emerald Wind Farm Pty Ltd
Address of applicant:	c/- RATCH Australia Level 4, 231 George Street BRISBANE QLD 4000
Application details	
Original assessment manager:	Mareeba Shire Council
Date application properly made:	29 March 2012
Approvals sought:	Development Permit for a Material Change of Use for a Wind Farm comprising a maximum of 63 turbines
Description of development:	Wind Farm comprising a maximum of 63 turbines and ancillary infrastructure
Category of development:	Code Assessment
Property details	
Real property description ("the site"):	Lot 7 on SP235244, part of Lot 905 on CP896501 and Easement A in Lot 1, Easement C in Lot 2 and Easement E in Lot 3 on SP231871
Address of property:	Springmount Road and Kippin Drive, Arriga

Level 12 Executive Building
100 George Street Brisbane
PO Box 15009 City East
Queensland 4002 Australia
Telephone +61 7 3719 7100
Email deputy.premier@ministerial.qld.gov.au

Ministerial call in details	
Date call in notice given:	11 June 2014
I assessed and decided the development application under the normal assessment and decision provisions under SPA.	
Date of decision:	24 April 2015
Details of decision:	Approved subject to conditions
Type of approval:	Development Permit for a Material Change of Use for a Wind Farm comprising a maximum of 63 turbines

Referral Agencies

The following agencies were referral agencies for the development application. As a result of the decision to call in the development application under section 425(1) of SPA, a concurrence agency for the development application is taken to be an advice agency until I give the decision notice (section 427(4) of SPA).

Referral agency name at the time of lodgement	Referral agency	Address	Advice or concurrence
Department of Environment and Resource Management	Department of Environment and Heritage Protection	GPO Box 2454 BRISBANE QLD 4001	Advice and Concurrence
	Department of Natural Resources and Mines	PO Box 15216 CITY EAST QLD 4002	Concurrence
Powerlink	Powerlink	PO Box 1193 VIRGINIA QLD 4014	Advice

Further to this, third party advice was also received from the following agencies:

Agency	Address
Queensland Health	GPO Box 48 BRISBANE QLD 4001
Mareeba Shire Council	PO Box 154 MAREEBA QLD 4880
Tablelands Regional Council	PO Box 573 ATHERTON QLD 4883

Approval despite conflict with the planning scheme

I consider that this decision conflicts with the Rural Zone Code in the *Mareeba Shire Planning Scheme 2004* and Overall Outcome (e) in the *Temporary Local Planning Instrument 01/11 (Wind Farms)* (TLPI 01/11).

However, there are sufficient grounds to approve the Mount Emerald Wind Farm development application despite the conflict. These grounds are:

- Parts of the Mareeba Shire Planning Scheme 2004 are out of date in regards to its policy position on wind farms. A shift in planning requirements, through the former TLPI 01/11 (Wind Farms) and TLPI 01/12 (Wind Farms), which is now included within the planning scheme as Amendment 01/11 – Wind Farms, expresses the revised policy position. The Mareeba Shire Planning Scheme 2004 has not yet incorporated all of the appropriate changes to align with these new requirements.
- The Far North Queensland Regional Plan 2009-2031 recognises wind farms as legitimate land use and emphasis is placed on promoting renewable energy. The Far North Queensland Regional Plan is not appropriately reflected in the Mareeba Planning Scheme and is a higher-order planning instrument.

I also consider that the conflict arises because of a conflict between two or more relevant instruments being the Mareeba Shire Planning Scheme and the TLPI 01/11 and later the Amendment 01/11 and the decision best achieves the purpose of the instrument.

Approval subject to conditions

The conditions of this approval are set out in Schedules 1 and 2, attached.

Other development permits and compliance permits

Listed below are other development permits and/or compliance permits that are necessary to allow the development to be carried out:

- building works
- plumbing and drainage works
- operational works.

Codes for self-assessable development

Nil.

Details of any compliance assessment required for documents or work in relation to the development

Nil.

Deemed approval of applications

As a result of the decision to call in and assess and decide the development application, chapter 6, part 5, division 3, subdivision 4 of SPA does not apply to the development application (section 427(7) of SPA).

The application is not taken to have been approved under section 331 of SPA.

When approval lapses if development not started

This development approval will lapse as per section 341 of SPA.

Referenced plans

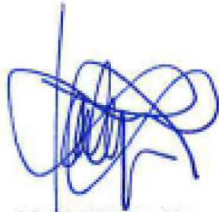
Copies of the approved plans and documents are set out in Schedule 2.

Appeal rights

A person may not appeal against the Minister's decision (section 427(5) of SPA).

If you require any further assistance, please email: ministerial_call_in@dip.qld.gov.au.

Yours sincerely



**JACKIE TRAD MP
DEPUTY PREMIER
Minister for Transport, Minister for Infrastructure,
Local Government and Planning and Minister for Trade**

Enc (2)

Schedule 1: Conditions of Approval
Development Permit for a Material Change of Use – Code Assessment

Condition		Timing																		
General / Planning Requirements																				
1.	<p>Undertake the development generally in accordance with the approved plans and documents referred to in Table 1, as modified by the conditions of this approval.</p> <table border="1"> <thead> <tr> <th colspan="3">Table 1: Approved Plans and Documents</th> </tr> <tr> <th>Plan/Document number</th> <th>Plan/Document name</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>PR100246-170 Issue A</td> <td>Mount Emerald Wind Farm Turbine Location and Development Footprint</td> <td>18-11-2013</td> </tr> <tr> <td>Appendix A</td> <td>Statement of Commitments in RPS Development Application Material Change of Use Report</td> <td>March 2012</td> </tr> <tr> <td>PR100246/R72893</td> <td>Preliminary Environmental Management Plan</td> <td>November 2013</td> </tr> <tr> <td>CB24504 Rev 1</td> <td>Technical Note 2 – Traffic Impact Assessment Engineering Response prepared by Jacobs</td> <td>29/08/2014</td> </tr> </tbody> </table>	Table 1: Approved Plans and Documents			Plan/Document number	Plan/Document name	Date	PR100246-170 Issue A	Mount Emerald Wind Farm Turbine Location and Development Footprint	18-11-2013	Appendix A	Statement of Commitments in RPS Development Application Material Change of Use Report	March 2012	PR100246/R72893	Preliminary Environmental Management Plan	November 2013	CB24504 Rev 1	Technical Note 2 – Traffic Impact Assessment Engineering Response prepared by Jacobs	29/08/2014	While site / operational / building work is occurring and then to be maintained
Table 1: Approved Plans and Documents																				
Plan/Document number	Plan/Document name	Date																		
PR100246-170 Issue A	Mount Emerald Wind Farm Turbine Location and Development Footprint	18-11-2013																		
Appendix A	Statement of Commitments in RPS Development Application Material Change of Use Report	March 2012																		
PR100246/R72893	Preliminary Environmental Management Plan	November 2013																		
CB24504 Rev 1	Technical Note 2 – Traffic Impact Assessment Engineering Response prepared by Jacobs	29/08/2014																		
Location and Design																				
2.	<p>Submit to the chief executive administering SPA, a revised Turbine Location and Development Footprint Plan identifying the final position of:</p> <ul style="list-style-type: none"> • all proposed turbines; and • the operations and maintenance depots <p><i>Note: Micro-siting of turbines, prior to the submission of the above mentioned reports, is permitted.</i></p> <p><i>Micro-siting means an alteration to the siting of a turbine by not more than 100 metres beyond the siting of turbines identified in approved plan Mount Emerald Wind Farm Turbine Location and Development Footprint PR100246-170 Issue A, dated 18-11-2013.</i></p>	Prior to seeking approval for any site, operational or building work																		

3.	<p>(a) The wind farm must be designed and constructed in accordance with the following:</p> <ul style="list-style-type: none"> i. The maximum number of turbines must not exceed 63; ii. All turbines must be setback a minimum of 1,500 metres from any existing and approved dwelling at the date of this approval; iii. All turbines and the operations and maintenance depot are to be located in accordance with the revised Turbine Location and Development Footprint Plan required by condition 2 of this approval; iv. The overall maximum height of any turbine (measured to the tip of the rotor blade at their highest point above ground level) must not exceed 1179.5 metres AHD; v. The hub height of any turbine must not exceed 90 metres above ground level; vi. All cabling must be provided underground, except where the approved Environmental Management Plan recommends an alternative method in environmentally sensitive locations. <p>(b) Submit certification to the chief executive administering SPA from an Registered Professional Engineer Queensland (RPEQ) that the wind farm as constructed complies with the design specifications indicated in part (a) of this condition.</p>	<p>(a) Prior to the commencement of use and then to be maintained</p> <p>(b) Prior to the commencement of use</p>
Acoustic Amenity		
4.	<p>The wind farm development must be designed and operated to ensure that:</p> <p>(a) The outdoor night-time (10pm to 6am) equivalent noise level ($L_{Aeq,10 \text{ minutes}}$) at existing and approved sensitive land uses at the date of this approval, does not exceed the higher of:</p> <ul style="list-style-type: none"> (i) 35dB(A); or (ii) the background noise level (L_{A90}) plus 5dB(A); <p>and</p> <p>(b) The outdoor day-time equivalent noise level ($L_{Aeq,10 \text{ minutes}}$) at existing and approved sensitive land uses at the date of this approval, does not exceed the higher of:</p> <ul style="list-style-type: none"> (i) 37dB(A); or (ii) the background noise level (L_{A90}) plus 5dB(A). <p>(c) The equivalent noise levels (L_{Aeq}) are to be assessed at all existing and approved sensitive land</p>	<p>Prior to the commencement of use and then to be maintained</p>

	<p>uses at the date of this approval for all integer hub height wind speeds from cut-in to rated power of the wind turbine generator.</p> <p>(d) Measurements of background noise or operational noise from wind turbine generators for the operation shall be in accordance with Australian Standard <i>AS4959-2010 Acoustics – Measurement, prediction and assessment of noise from wind turbine generators</i> (AS4959-2010) at any existing and approved sensitive land uses at the date of this approval. If an alternative standard or guideline to AS4959-2010 is to be followed for the assessment of Special Audible Characteristics, then reasons for the selection of the alternative are to be provided.</p>	
5.	<p>(a) Submit to the chief executive administering the SPA a revised noise assessment report, certified by a suitably qualified acoustic consultant, demonstrating that the proposed wind farm can meet the noise levels specified in condition 4 of this approval. The report is to:</p> <ul style="list-style-type: none"> i. Model the acoustic impacts of the wind farm based on the revised Turbine Location and Development Footprint Plan submitted in accordance with condition 2 of this approval. The noise modelling should take into account the varied topography between the turbine locations and existing and approved sensitive land use receptors at the date of this approval and any impacts that may have on predicted noise levels, and include an assessment of Special Audible Characteristics including tonality, impulsivity and amplitude modulation. ii. Identify any design specifications or operational restrictions that may be necessary to ensure compliance with the noise levels specified in condition 4, such as turbine types or limitations on hours of operation of specific turbines. <p>(b) Submit to the chief executive administering the SPA a compliance noise assessment report, certified by a suitably qualified acoustic consultant, demonstrating that the proposed wind farm meets the noise levels specified in condition 4 of this approval. The report is to:</p> <ul style="list-style-type: none"> i. Measure the acoustic impacts of the wind farm based on the final Turbine Location and Development Footprint Plan submitted in accordance with condition 2 of this approval. The noise measurements should take into account the turbine locations and any existing and approved sensitive land use receptors at the 	<p>(a) Prior to the commencement of site / operational / building work</p> <p>(b) Within twelve (12) months of the completion of construction and then to be maintained</p>

	<p>date of this approval; and include an assessment of Special Audible Characteristics including tonality, impulsivity and amplitude modulation. Assessment of Special Audible Characteristics should be carried out using an appropriate international standard or guideline. Reasons for selection of the standard or guideline are to be provided with the noise assessment report. The assessment should determine whether the Special Audible Characteristics are excessive and require an adverse character adjustment (adj) to specific measurement period.</p>	
Visual Amenity		
6.	<p>(a) Submit to the chief executive administering SPA a revised shadow flicker assessment report certified by a suitably qualified and experienced person demonstrating that the shadow flicker from the turbines will not exceed 30 hours per annum and 30 minutes per day at any dwelling existing at the date of this approval.</p> <p>The report is to model the shadow flicker of the wind farm, based on the revised Turbine Location and Development Footprint Plan submitted in accordance with condition 2 of this approval.</p> <p>(b) The wind farm is to be constructed and operated in accordance with the revised shadow flicker assessment report required in part (a) of this condition. In particular, any design specifications or operational restrictions required to ensure that shadow flicker from the constructed turbines does not exceed 30 hours per annum and 30 minutes per day at any dwelling existing at the date of this approval.</p>	<p>(a) Prior to seeking approval for any site, operational or building work</p> <p>(b) Prior to the commencement of use and then to be maintained</p>
7.	<p>The turbines and blades must have a low reflectivity finish.</p>	<p>Prior to the commencement of use and to be maintained</p>
8.	<p>External lighting of infrastructure associated with the wind farm is not permitted other than:</p> <p>(a) low-level, low-intensity security lighting;</p> <p>(b) aviation obstacle lighting where required by the Civil Aviation and Safety Authority;</p> <p>(c) lighting necessary in the case of an emergency or for operational call-outs at reasonable times.</p> <p>Any external lighting, excluding aviation obstacle lights, is to comply with Australian Standard AS 4282-1993 <i>Control of the obtrusive effects of outdoor lighting</i>.</p>	<p>Prior to the commencement of use and to be maintained</p>

Television and Radio Reception		
9.	<p>(a) Undertake an assessment of the television and radio reception strength in the area within 5 km of any proposed turbine and in which any existing and approved dwellings are located as at the date of this approval.</p> <p>The pre-construction assessment must be undertaken by a television and radio monitoring specialist, and include testing at selected locations to enable the average television and radio reception strength in the area within 5 km of the site to be determined. The specific locations of testing must be determined by a television and radio monitoring specialist.</p> <p>(b) If, following commencement of the operation of the wind farm, a complaint is received regarding the wind farm having an adverse effect on television or radio reception at any existing and approved dwelling within 5 km of the site which existed at the date of this approval, a post-construction assessment of the television and radio reception strength must be carried out at, or in close proximity to, any existing and approved dwelling at the date of this approval by a television and radio monitoring specialist.</p> <p>(c) If the post-construction assessment establishes an unacceptable increase in interference to reception as a result of the wind farm, measures to restore the affected reception to pre-construction quality must be undertaken.</p> <p>(d) Provide to the chief executive administering the SPA, on request, the results of the pre-construction assessment and any post-construction assessment carried out in response to a complaint and evidence that the appropriate restoration measures have been undertaken to address television and radio reception strength where required.</p>	<p>(a) Prior to the commencement of site / operational / building work</p> <p>(b) Within one (1) month of receiving a complaint</p> <p>(c) Within two (2) months of the post-construction assessment</p> <p>(d) Within (2) months of the post-construction assessment</p>
Traffic Management		
10.	<p>(a) Submit to the chief executive administering the SPA a Construction Traffic Management Plan (CTMP) prepared by suitably qualified expert and in consultation with the Department of Transport and Main Roads, Cairns Regional Council, Tablelands Regional Council and Mareeba Shire Council.</p> <p>The CTMP must relate to the roads proposed to be used in transporting material, personnel and equipment related to the construction and decommissioning of the wind farm.</p>	<p>(a) Prior to the commencement of site / operational / building work</p>

	<p>The CTMP must include but not limited to:</p> <ul style="list-style-type: none"> (i) an existing conditions survey of Hansen Road, Springmount Road and Kippen Drive including details of the suitability, design, condition and construction standard of the relevant public roads; (ii) the designation of all vehicle access points to the site from surrounding roads. Vehicle access points must be designed and located to ensure safe sight distances, turning movements, and avoid potential through traffic conflicts; (iii) the designation of appropriate pre-construction, construction/decommissioning and transport vehicle routes to and from the site; (iv) engineering plans demonstrating whether, and if so how, truck movements to and from the site can be accommodated on sealed roadways and turned without encroaching onto the incorrect side of the road; (v) recommendations regarding the need for road and intersection upgrades to accommodate any additional traffic or site access requirements (whether temporary or ongoing). Where upgrades are required, the traffic management plan must include: <ul style="list-style-type: none"> (a) detailed engineering plans showing the required works; (b) the timing of when the works are to be undertaken; (c) a program of regular inspections to be carried out during the construction of the wind farm to identify maintenance works necessary as a result of construction traffic; (vi) measures to be taken to manage traffic impacts associated with the ongoing operation of the wind farm on the traffic volumes and flows on surrounding roads. This may include, as recommended in the “Technical Note 2 – Traffic Impact Assessment Engineering Response” prepared by Jacobs dated 29/08/14: <ul style="list-style-type: none"> a) providing a 30 seat shuttle bus service for construction workers arriving and departing the site, servicing the key townships where the construction workers live; b) providing minimal or restricted on-site parking to discourage workers arriving to and departing the site via private vehicles (vii) a program to rehabilitate Hansen Road, 	
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	<p>Springmount Road and Kippen Drive to the pre-construction condition identified by the surveys required under sub-section (a) of this condition, at the conclusion of the construction of the wind farm.</p> <p>(b) Carry out the development in accordance with the CTMP.</p> <p>(c) Submit to the chief executive administering SPA certification from an RPEQ that all works identified in the CTMP have been carried out in accordance with the CTMP.</p>	<p>(b) In accordance with the timeframes specified in the CTMP</p> <p>(c) Within three (3) months of the completion of construction</p>
Environmental Management		
11.	<p>(a) Submit to the chief executive administering the SPA an Environmental Management Plan (EMP) prepared by a suitably qualified person(s). The EMP must:</p> <ol style="list-style-type: none"> i. be generally in accordance with the Preliminary Environmental Management Plan prepared by RPS and dated November 2013 and the draft Statement of Commitments contained within Appendix A of the RPS Development Application Material Change of Use Report dated March 2012; ii. be based on the revised Turbine Location and Development Footprint Plan submitted in accordance with condition 2 of this approval; iii. include the following components, as further detailed in Attachment 1: <ul style="list-style-type: none"> • a construction and work site operational management plan • a sediment, erosion and storm water management plan • a hydrocarbon and hazardous substances plan • a bushfire risk management plan and emergency evacuation plan • a significant species management plan • a weed and pest management plan • a rehabilitation plan • a habitat clearing and management plan • an ecological fire management plan • a cultural heritage management plan • an environmental management plan training program • an environmental management plan reporting program • an implementation plan <p>(b) The development must be carried out in</p>	<p>(a) Prior to seeking approval for any site, operational or building work</p> <p>(b) During site /</p>

	accordance with the EMP.	operational /building work and to be maintained
Community Engagement		
12.	<p>(a) Submit to the chief executive administering SPA a Community Engagement Strategy (CES) that includes at a minimum:</p> <p>(i) A Community Consultation Plan that demonstrates and includes:</p> <ol style="list-style-type: none"> a. consultation methods b. consultation calendar that identifies activities that must be carried out at least on a quarterly basis and during: <ul style="list-style-type: none"> • three (3) months prior to construction commencing • during construction • once operational for at least one year from the commencement of stage 1 <p>(ii) A Complaints Management Plan / Register (CMPR) that demonstrates and includes:</p> <ol style="list-style-type: none"> a. how contact details will be communicated to the public b. a toll free telephone number and email contact for complaints and queries c. a register outlining complaint information for each complaint received d. the processes for investigation and actions undertaken to resolve the complaint <p>(b) All community consultation and complaints must be managed in accordance with the CES.</p> <p>(c) Provide to the chief executive administering SPA and Council, on request, a copy of the CMPR, in particular the processes of investigation and actions undertaken to resolve the complaint.</p>	<p>(a) Five (5) months prior to construction commencing</p> <p>(b) – (c) Prior to construction / during construction and once operational</p>
Decommissioning and Rehabilitation		
13.	<p>Submit to the chief executive administering SPA a decommissioning and rehabilitation plan prepared by a suitably qualified person(s).</p> <p>The decommissioning and rehabilitation plan must address the actions to be undertaken where any or all turbines have permanently ceased to generate electricity. The plan must include a program for:</p> <ol style="list-style-type: none"> (a) removal of above ground non-operational equipment; (b) removal and clean up any residual contamination; (c) rehabilitation/revegetation of storage areas, construction areas, access tracks and other areas affected by the decommissioning of the turbines, if 	Prior to decommissioning

	<p>those areas are not otherwise useful to the on-going use or decommissioning of the wind farm;</p> <p>(d) notification to the relevant authorities of the turbines ceasing operation. Such notification should be given no later than two months after the turbine(s) cease operation.</p>	
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General advice	
a.	This development permit does not constitute an approval to commence operational works within Powerlink easements. Prior written approval is required from Powerlink before any additional operational work is undertaken within the easement areas. All additional operational works within the easements will require separate assessment and approval by Powerlink.
b.	Development must comply with the <i>Electrical Safety Act 2002</i> including any Code of Practice under that Act and the Electrical Safety Regulation 2002 including any safety exclusion zones defined in the Regulation.
c.	In respect to this application the exclusion zone for untrained persons and for operating plant operated by untrained persons is 6 metres from the 275,000 volt wires and exposed electrical parts. Should any doubt exist in maintaining the prescribed clearance to the conductors and electrical infrastructure, then the applicant is obliged under the <i>Electrical Safety Act 2002</i> to seek advice from Powerlink.
d.	Any works must comply with the easement terms and conditions as per easement Dealing 701758510 and 713030213
e.	Engagement must occur with Powerlink with regards to a connection to Powerlink's transmission line network. Further technical assessments regarding safe clearance between turbines and Powerlink infrastructure will have to be performed and must be submitted to Powerlink for approval.
f.	Works in the vicinity of Powerlink infrastructure must comply with the Management of Easement Co-Use Requests Guideline.
g.	The site has slight residual risk of unexploded ordnance (UXO). In the event of identification of UXO, the Department of Defence recommends the following procedure: <ul style="list-style-type: none"> • do not touch or disturb the object; • take action, where appropriate, to prevent it being disturbed by another person; • note its approximate dimensions and general appearance; • note the route to its location; and • advise the Police as soon as possible.
h.	Copies of the final development plans must be provided to the following entities, to enable details of the development to be shown on aeronautical charts of the area: <ul style="list-style-type: none"> • the Civil Aviation Safety Authority; • the Department of Defence (RAAF Aeronautical Information Service);

- Airservices Australia;
- any aerodrome operator within 15 km of the outside property boundaries of the site;
- the Aerial Agriculture Association of Australia;
- any organisation responsible for providing air ambulance services in the area.

Attachment 1 – Components of the Environmental Management Plan

Construction and work site operational management plan

The environmental management plan must include a construction and work site operational management plan.

The construction and work site operational management plan must include:

- a) the identification of fuels, other hazardous materials and all other potential contaminants stored or used on site during the construction phase of the wind farm, and appropriate storage, construction and operational methods to control any identified contamination risks;
- b) procedures for managing potential spills and leaks and pollution incidents, including incorporation of appropriate pollution control;
- c) procedures to suppress dust emissions from construction-related activities. Appropriate measures may include water spraying of roads and stockpiles, stabilising surfaces, temporary screening and wind fences, modifying construction activities during periods of heightened winds and revegetating exposed areas as soon as practicable;
- d) procedures for managing noise emissions from construction-related activities;
- e) appropriate sanitary facilities to be provided for construction and maintenance staff;
- f) a timetable, where practicable, for the construction of turbine bases, access tracks and power cabling during warmer months, to minimise impacts on ephemeral wetlands, local fauna and sediment mobilization;
- g) measures to minimise waste generation on site and maximising opportunities for recycling and reuse;
- h) measures for dust mitigation, control and monitoring dust gauges;
- i) procedures to ensure that construction vehicles and equipment use designated tracks and works areas to avoid impacts on native vegetation;
- j) procedures for covering trenches and holes at night, and filling trenches as soon as practical after excavation, to protect native fauna;

- k) the removal of works, buildings and staging areas on completion of the construction phase of the project.

Sediment, erosion and storm water management plan

The environmental management plan must include a sediment, erosion and storm water management plan.

The sediment, erosion and storm water management plan must include:

- a) identification of all construction and operational processes that could potentially lead to water contamination;
- b) procedures to ensure that silt from batters, cut-off drains, table drains and road works is retained on the site during and after construction and replaced as soon as possible. To this end:
 - (i) all land disturbances must be confined to a minimum practical working area;
 - (ii) soil to be removed must be stockpiled and separate soil horizons must be retained in separate stockpiles and not mixed, and soil must be replaced as soon as possible in sequence;
 - (iii) stockpiles must be located away from drainage lines;
- c) the installation of geo-textile silt fences (with sedimentation basins where appropriate) on all drainage lines from the site which are likely to receive run-off from disturbed areas;
- d) procedures for waste water discharge management;
- e) a process for overland flow management to prevent the concentration and diversion of waters onto steep or erosion prone slopes;
- f) pollution management measures for stored and stockpiled materials including waste materials, litter, contaminated run-off and any other potential source of pollution to ground or surface waters;
- g) agreed program and appropriate capacity for annual inspection and regular maintenance of any on-site wastewater management system;
- h) a program of inspection and remediation of localised erosion within a specified response time.

Hydrocarbon and hazardous substances plan

The hydrocarbon and hazardous substances plan must include:

- (a) procedures for any on-site, permanent post-construction storage of fuels, lubricants, waste oil or other hazardous substances or potential contaminants to be in bunded areas;

- (b) contingency measures to ensure that any chemical or oil spills are contained on-site and cleaned up in accordance with the council requirements.

Bushfire risk management plan and emergency evacuation plan

The bushfire risk management plan and emergency evacuation plan must include:

- (a) criteria for the provision of static water supply tanks solely for firefighting purposes, including minimum capacities, appropriate connections and signage;
- (b) procedures for vegetation management, fuel control and the provision of firefighting equipment during declared fire danger periods;
- (c) minimum standards for access roads and tracks to allow access for fire fighting vehicles, including criteria for access to static water supply tanks for fire fighting vehicles;
- (d) training of personnel of the organisations referred to above in relation to suppression of wind farm fires;
- (e) details of a lightning and earthing system to mitigate against the risk of bush-fires caused by direct lightning strikes on the turbines.

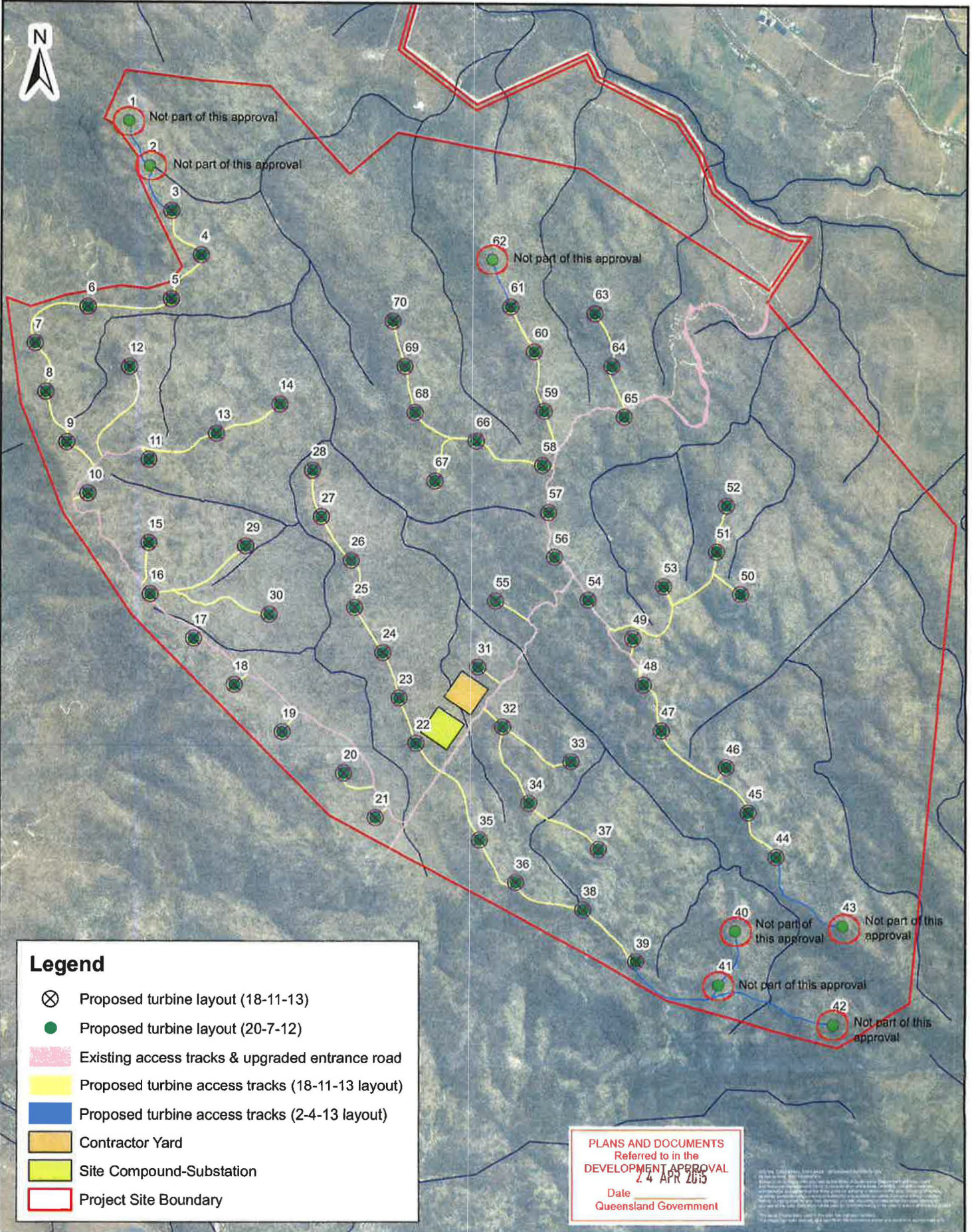
Significant species management plans

Significant species management plans must:

- (a) include plans for all wildlife species listed as Endangered, Vulnerable or Near Threatened under the provisions of the *Nature Conservation Act 1992* that:
- i. are currently known to occur within or periodically utilise the site; or
 - ii. are detected within the site during the conduct of further baseline, construction or operational monitoring pursuant to other conditions; and
 - iii. are not the subject of an equivalent management plan prepared in satisfaction of an approval issued under the provisions of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth).
- (b) set out key impact management strategies including:
- i. further baseline programs;
 - ii. management targets;
 - iii. design, construction and operational impact avoidance and mitigation measures and protocols;
 - iv. quantitative performance indicators;
 - v. monitoring and reporting regimes;
 - vi. corrective actions;

<p>vii. timeframes for identified actions; and</p> <p>viii. applicant and stakeholder responsibilities.</p>
<p><u>Weed and pest management plan</u></p> <p>The weed and pest management plan must include:</p> <p>(a) protocols for the management of noxious environmental weed species on the site, with the objective of minimising the potential risk of introducing such weeds and pests.</p>
<p><u>Rehabilitation plan</u></p> <p>The rehabilitation plan must include guidelines to incorporate appropriate landscape rehabilitation strategies and methods into the management of disturbed land.</p>
<p><u>Habitat clearing and management plan</u></p> <p>The habitat clearing and management plan must include management strategies involved in mitigating impacts of habitat clearing on susceptible fauna, including the induction of workers and for wildlife spotters and catchers involved in habitat clearing.</p>
<p><u>Ecological fire management plan</u></p> <p>The ecological fire management plan must include management strategies to be implemented in order to maintain an appropriate fire regime for the various faunal and flora habitats represented on site.</p>
<p><u>Cultural heritage management plan</u></p> <p>The cultural heritage management plan must include the procedures to be followed for impact avoidance and mitigation of impacts upon Aboriginal heritage.</p>
<p><u>Environmental management plan training program</u></p> <p>The environmental management plan must include a training program for construction workers and permanent employees or contractors at the site, including a site induction program relating to the range of issues addressed by the environmental management plan.</p>
<p><u>Environmental management plan reporting program</u></p> <p>The environmental management plan must include a program for reporting environmental incidents, including:</p> <p>(a) a register of environmental incidents, non-conformances and complaints, together with corrective actions taken in response to such incidents, non-conformances or complaints;</p> <p>(b) identification of the person to whom reports of environmental incidents, non-conformances and complaints should be made.</p>
<p><u>Implementation plan</u></p> <p>The environmental management plan must include a timetable for implementation of all programs and works referred to in sections above.</p>

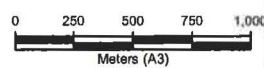
Schedule 2: Approved plans and documents



Legend

- ⊗ Proposed turbine layout (18-11-13)
- Proposed turbine layout (20-7-12)
- Existing access tracks & upgraded entrance road
- Proposed turbine access tracks (18-11-13 layout)
- Proposed turbine access tracks (2-4-13 layout)
- Contractor Yard
- Site Compound-Substation
- Project Site Boundary

PLANS AND DOCUMENTS
 Referred to in the
 DEVELOPMENT APPROVAL
 24 APR 2015
 Date _____
 Queensland Government



Map Projection
 MGAz55
 Map Datum
 GDA94
 File Reference
 PR100246-170a.mxd
 Sheet Number
 1 of 1

Client
RACL
 Title
**Mount Emerald Wind Farm
 Turbine locations and development footprint**

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Appendix A

Statement of Commitments

PLANS AND DOCUMENTS
Referred to in the
DEVELOPMENT APPROVAL
Date 24 APR 2015
Queensland Government

1 Statement of Commitments

The following statements form commitments of Mt Emerald Wind Farm Pty Ltd in terms of environmental management and monitoring to mitigate the potential adverse environmental impacts and to gain a net environmental benefit from the establishment of Mt Emerald Wind Farm. The draft Statement of Commitments (SoC) is a compilation of the various mitigation measures developed after the detailed impact assessment of the Proposal on identified key environmental issues. It is presented as a set of measures arranged according to environmental issues by project phases, with the desired environmental outcomes, and responsibilities for implementation clearly identified.

This SoC will inform the preparation of a Project Environmental Management Plan (PEMP); the Construction Environmental Management Plan (CEMP); and Operational Environmental Management Plan (OEMP); and associated sub-plans that provide more site and project phase-specific details regarding the environmental management and monitoring measures to be implemented.

1.1 Project Environmental Management Plan:

The PEMP is a management document prepared by the Proponent that expands on the final SoC and other project approval conditions into more detailed outcomes. The PEMP will provide the basis for:

- meeting all environmental requirements;
- assignment of environmental management responsibilities between the Proponent and contractors;
- inclusion of environmental requirements into tender documents; and
- continuing management and evaluation of the environmental performance of the project.

The PEMP will be an integral element of the detailed design phase and will form part of any contractual requirements. The PEMP will identify or describe:

- processes for the environmental evaluation of the Proposal;
- environmental risks which may be managed respectively by the Proponent and the contractor;
- the promotion of environmental awareness among employees, contractors and the community;
- the requirements for review and/or audit of environmental documents such as contractors' Environmental Management Plans.

1.2 Construction Environmental Management Plan

The CEMP will be prepared by the primary contractor, in consultation with the Proponent, based on the former's proposed work methods and the environmental outcomes required for the Proposal.

The main aim of the CEMP will be to avoid, minimise and manage any potential environmental impacts arising from construction activities for the Proposal. It will describe in a more detailed and site-specific manner the management measures to be carried out for the activities at various stages of construction. This will include the definition and allotment of responsibilities among the Proponent, the primary contractor and its sub-contractors. It will also cover the conduct of ongoing stakeholder engagement, system of notification and complaints management during construction.

The CEMP will contain a suite of sub-plans to describe detailed management procedures for key environmental issues. Among the sub-plans projected for development for the construction phase are the following:

- **Threatened Species Management Plan (TSMP)** – this plan will describe measures to minimise the impacts on threatened species of flora and fauna, including identification and marking of exclusion zones on site;
- **Weed and Pest Management Plan (WPMP)** – This plan will detail the protocols for the management of noxious and environmental weed species on the site, with the objective of minimising the potential of risk of introducing such weeds and pests into the site or spreading them across and/or beyond the development footprint;
- **Rehabilitation Plan** – this plan will provide guidelines to integrate appropriate landscape rehabilitation strategies and methods into the management of disturbed land. The Rehabilitation Plan will complement the WPMP (above), and outline recommendations for incorporating rare and threatened plants and the reinstatement of groundlayer and other fauna habitats;
- **Habitat Clearing and Management Plan** – this plan will provide management strategies involved in mitigating the impacts of habitat clearing on susceptible fauna, including the induction of all workers and for wildlife spotters and catchers in involved in habitat clearing;
- **Cultural Heritage Management Plan** – this plan documents the procedures to be followed for impact avoidance or mitigation, and will be developed in consultation with an archaeologist, and the traditional owners of the land, being the Bar Barrum People and Muluridji People;
- **Traffic Management Plan (TMP)** – the TMP, to be prepared in consultation with Department of Transport and Main Roads, will outline traffic movements to and from the site as well as within the construction zones. The TMP will describe measures that promote traffic safety for local and regional traffic, construction personnel and landowners who may need to access the project site. The TMP will also establish protocols for construction deliveries, especially of large loads (e.g. cranes, turbine infrastructure);
- **Bushfire Risk Management Plan** – this plan, to be prepared in consultation with the Queensland Fire and Rescue Service and will identify and manage bushfire risks which may arise due to construction activities on site, and will describe protocols for responding to a fire during the construction phase. The plan will also identify regulatory requirements relating to fire safety in accordance with relevant Workplace Health and Safety Requirements (e.g. relevant specifications for chemical storage and refuelling) and will be based upon the draft Fire Management Plan submitted with the Development Application;
- **Ecological Fire Management Plan** – this plan will detail the management strategies to be implemented in order to maintain an appropriate fire regime (extent, intensity, frequency) for the various faunal and flora habitats represented on the site;
- **Emergency Evacuation Plan (EEP)** – this plan will outline site protocols in the event of an emergency (e.g. chemical spill), including lines of communications among construction personnel and affected residents, safe evacuation routes and muster points, and coordination procedures with State Emergency Response personnel who may respond on site;
- **Erosion and Sediment Control Plan (ESCP)** – prepared in accordance with the Institute of Engineers Australia Queensland ESC Guidelines, the ESCP will describe temporary and permanent sediment control procedures and methods to minimise erosion during the construction of the project, covering discrete construction areas and which will account for the changing surface configuration at various stages of construction;
- **Construction Waste Management Plan (CWMP)** – this plan will describe measures to minimise waste generation onsite and maximising opportunities for recycling and reuse;
- **Construction Dust Management Plan** – this plan will describe measures for dust mitigation, control and monitoring using dust gauges; and
- **Stormwater Management Plan (SWMP)** – related to Erosion and Sediment Control Plan, the SWMP will be prepared in accordance with Queensland Urban Drainage Manual, with specific reference to waterway crossings and stormwater outlets for all turbine pads and access tracks (where applicable) to ensure water quality is maintained.

1.3 Operation Environmental Management Plan

An Operational Environmental Management Plan (OEMP) will be prepared by the Proponent to describe the environmental management measures to be implemented during the operational phase of the project. This plan will cover not only the operational and maintenance requirements of the wind farm but will also address ongoing monitoring and maintenance of the project site to minimise ecological impacts and to promptly respond to potential community amenity issues.

The OEMP will include the following:

- key operational and maintenance activities;
- identification of statutory obligations and planning approval commitments;
- description of the roles and responsibility of site personnel and visiting contractors;
- monitoring of the following key environmental issues:
 - noise;
 - fauna impacts;
 - flora and vegetation impacts;
 - dust emissions (from bare ground within the development footprint);
 - stormwater quality and sedimentation
 - fire risks; and
 - operational traffic impacts.

The OEMP will be prepared and submitted for approval to the Council no later than one month prior to the commencement of operation of the wind farm.

1.4 Statement of Commitments

The Proponent has voluntarily prepared a draft Statement of Commitments (SoC) outlining the suite of mitigation measures to avoid, minimise and manage potential environmental impacts resulting from the construction (C), operation (O) and decommissioning (D) of the Proposal.

The elements of the Proponent's draft SoC which have been described throughout the Development Application, after the detailed assessment of the key issues are compiled in **Table 1**.

Table 1 Draft Statement of Commitments

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
					C	O	D
1.0	Visual & Landscape						
1.01	Visual impact from contrast between turbines and rural landscape	Reduce visual contrast	An off-white or grey colour for the structures will be considered to reduce visual contrast between turbines and the viewing background (this is subject to final turbine selection).	Proponent		✓	
1.02	Visual impact	Provide screening through landscape planting	The Proponent will undertake landscape planting where screening is deemed appropriate and in accordance with the outcomes of the assessment process and in consultation with landowners, taking into consideration that the location and design of screen planting used as a mitigation measure is very site specific and requires detailed analysis of potential views.	Proponent		✓	
1.03	Visual impact from scarring of landscape	Reduce occurrences and extent of landscape scarring	<ul style="list-style-type: none"> Disturbed soil areas will be reinstated immediately after completion of construction, including re-contouring and re-seeding with appropriate plant species. Tracks have been designed to follow contour lines and existing roads will be used as much as possible, which will minimise cut-and-fill and the potential landscape scarring. Revegetation and offset planting will be undertaken on site in consultation and agreement with landholders. 	Contractor and Proponent	✓	✓	
1.04	Visual impact from construction activities	Reduce visibility of construction activities from outside the site.	<ul style="list-style-type: none"> Safeguards will be enforced to minimise dust emissions during construction. Height of stockpiles will be restricted. 	Contractor	✓		
1.05	Visual impact from night-time lighting	Minimise light spill from project site	Activities (such as aviation lighting) that may require night-time lighting will be minimised and, if necessary, low lux (intensity) lighting designed to be mounted with the light inwards to the site will be used to minimise glare.	Proponent	✓	✓	
1.06	Visual impact from contrast between site infrastructure and the rural landscape	Site infrastructure sympathetically with the nature of the locality	<ul style="list-style-type: none"> Substation and other ancillary infrastructure will be sited sympathetically with the nature of the locality and away from major roads and residences where possible to mitigate visual impact. The majority of electrical connections within the site (i.e. cables between the turbines) have been designed to be located underground (where possible), in order to further reduce potential visual impacts. 	Proponent	✓	✓	

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
					C	O	D
1.07	Visual impact from contrast between site infrastructure and the rural landscape	Select appropriate materials and colours	Appropriate materials and colours, together with consideration of their reflective properties, will be selected for ancillary structures and built elements associated with the Proposal.	Proponent	✓		
2.0	Noise						
2.01	Construction Noise	Minimise noise impact on receivers	Construction and decommissioning activities will be carried out within the following periods only: <ul style="list-style-type: none"> Monday – Saturday– 6am to 6pm, Work or deliveries will be carried out on Sundays and public holidays, except for the following activities, associated with the construction and decommissioning, which may need to occur outside standard working hours such as: <ul style="list-style-type: none"> delivery of oversize loads or materials as requested by Police or other authorities for safety reasons; completion of concrete pouring past the standard hours of work due to climatic considerations; Any works that do not cause a noise nuisance at nearby dwellings; Emergency work to avoid injury, property damage and/or to prevent environmental harm. 	Contractor	✓		✓
2.02	Construction Noise	Minimise noise impact on receivers	In accordance with the, <i>Environmental Protection Policy (Noise) 2009</i> and relevant Local Laws; all the feasible and reasonable standard work practices will be employed to minimise construction noise impacts.	Contractor	✓		✓
2.03	Construction Noise	Minimise noise impact on receivers	Notification and ongoing consultation with potentially affected receivers will be carried out, especially where potentially noisy works are anticipated.	Proponent and Contractor	✓		✓
2.04	Noise from Construction Traffic	Minimise noise impact on receivers	The timing of deliveries will be regulated and notification to residents carried out when deliveries of large loads are scheduled.	Proponent and Contractor	✓		✓
2.05	Construction Noise	Minimise risk	Construction plant will be selected on the basis of low inherent potential to generate noise and vibration. Regular and ongoing maintenance of plant equipment and machinery will be undertaken to ensure operational noise do not exceed typical levels.	Contractor	✓		✓

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
					C	O	D
2.06	Construction Noise	Minimise noise emission from construction plant	Construction vehicles will be fitted with mufflers and low noise emission reversing alarms.	Contractor	✓		✓
2.07	Construction and Operational Noise	Management of Noise Impacts	Establishment of Complaints Hotline to allow affected residents to register noise complaints and response within reasonable timeframe.	Proponent	✓	✓	✓
2.08	Construction Noise	Monitoring of noise levels at affected receivers	When noise complaints are received, the affected resident will be contacted to identify the source of noise and any remedial measures that may be required.	Proponent and Contractor	✓		✓
2.09	Operational Noise	Manage noise impact on specific Receiver/s	The Proponent proposes to acquire this property or alternatively to negotiate relocation arrangements with the owner to mitigate this noise exceedence. Augment existing buildings to alleviate noise and ensure compliance with relevant noise policy base criterion (if required)	Proponent		✓	
2.10	Operational Noise	Reduction of turbine numbers as required to ensure compliance with noise criteria	The wind farm layout will be determined by the chosen turbine model. Turbine locations will be removed from the layout in the vicinity of any residence where necessary to achieve compliance with the relevant noise policy base criterion if required.	Proponent	✓	✓	
2.11	Operational Noise	Monitor compliance with noise criteria	Within the first twelve months of operation, monitoring of wind farm noise emissions will be undertaken at representative residences including the closest non-involved residences to assess compliance with noise criteria. The monitoring will cover all prevailing wind conditions.	Proponent		✓	
2.12	Operational Noise	Address any non-compliance with noise criteria	Where operational noise monitoring indicates the Proposal exceeds noise limits set in the development approval conditions, the following noise mitigation measures shall be implemented: <ul style="list-style-type: none"> • using active noise control functions of turbines; • rectify any manufacturing defects or control settings so that noise can be reduced to the in accordance with the contracted specifications; or • if excesses still occur, acoustic treatment of non-involved receiver dwellings. 	Proponent		✓	

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
					C	O	D
2.13	Operational Noise	Monitoring the effectiveness of operational noise mitigation measures	Should any of the measures in item 2.12 be adopted, their effectiveness will be verified through noise monitoring during the first 12 months of operation.			✓	
3.0	Flora and Fauna						
3.01	Reduction in local biodiversity	Protect and conserve areas of high conservation value	<p>At the design stage:</p> <ul style="list-style-type: none"> • Infrastructure will be micro-sited in areas of least ecological significance with site-specific input from fauna and vegetation ecologists; • Location of infrastructure in areas of important habitats and conservation significant flora will be avoided in the first instance; • Clearing is limited to the development footprint; • Aligning access tracks and cabling along existing tracks; • Clearing of overstorey and mature and native riparian vegetation will be minimised. Infrastructure will be preferentially sited in previously cleared and disturbed areas; • Access track widths will be kept to a minimum wherever practicable, and when in areas containing rare and threatened plants; • Detailed hollow-bearing tree surveys will be undertaken in areas of woodland where hollow-bearing trees may be removed, with the results used in micro-siting infrastructure to avoid trees where possible and provide buffers around trees identified as having significance; • A detailed management plan for the removal of hollow-bearing trees will be prepared by an ecologist to minimise impacts to resident fauna; • Threatened Plant Management Plan to be developed including strategies for translocation or propagation and planting where removal can not be avoided; • Identification of rare and threatened plants in areas to be cleared prior to vegetation removal. 	Proponent	✓		

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
					C	O	D
3.02	Reduction in local biodiversity from the construction footprint	Minimise extent of construction impact and ensure vegetation integrity and connectivity	<p>The total area of the construction footprint will be minimised through the following measures:</p> <ul style="list-style-type: none"> • where possible, cabling will be laid underground, within or adjacent to the road corridor to minimise additional impacts; • where required, cabling in drainage lines will be under-bored. If under-boring is not feasible, rehabilitation and stabilisation works will be undertaken immediately following works within drainage lines; • trenches will be filled as soon as possible; • any trench left open overnight will be adequately covered or inspected at first light for any trapped fauna which should be released in an appropriate location nearby; • disturbance will be kept to a minimum at creek crossings; • appropriate erosion and sedimentation controls will be put in place prior to works, particularly when working in or near drainage lines; • creek works will not be undertaken when rain is forecast and will be avoided where possible when there is flow; • materials laydown and stockpiling will make use of existing areas of disturbance or other areas of low biodiversity value, where possible; • all construction vehicles necessary for physical construction will be restricted to within designated tracks, within the construction zones; • care will be taken when working within drip lines and within proximity to tree roots in order to prevent damage; • all onsite staff are to undergo a site induction to ensure understanding of on-site flora and fauna issues; • areas proposed for construction will be inspected for wildlife prior to the commencement of works. Any species found will be relocated by a trained wildlife handler; and • revegetation of areas not required for construction and operation will be undertaken to maximise seasonal growth and establishment of plantings in accordance with a site-specific Rehabilitation Plan which includes monitoring to assess the success or otherwise of such works. 	Proponent and Contractor	✓		

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
					C	O	D
3.03	Reduction in local biodiversity through loss of habitat	Retain habitat and biodiversity elements	<p>Impacts on critical habitat features and flora and fauna species will attempt to be be minimised through the following measures:</p> <ul style="list-style-type: none"> • Wildlife spotter-catchers will be engaged to oversee construction work at each site where clearing of vegetation (such as mature trees and hollows) is required to attempt capture and relocation of any fauna where possible; • Clearing will be staged to allow fauna adequate time to relocate; • Creation of artificial habitats (e.g. nest boxes, boulder piles) adjacent to sites and identification of a appropriate release areas; • impacts to hollow-bearing trees that have not been specifically identified for removal will be avoided; • fallen timber will be left in place or moved to a nearby area to retain fauna habitat (without increasing fire hazards); • where destruction of rocky outcrops can not be avoided, a preclearance survey to find and relocate captured reptiles and other ground-dwelling fauna will be conducted; • removed rocks will be replaced in nearby areas, in consultation with an ecologist; • instream habitat along creeklines such as snags, bedrock and emergent vegetation will be retained, avoided or relocated as a last option. 	Proponent and Contractor	✓	✓	✓
3.04	Reduction in local biodiversity through introduction and spread of noxious weeds	Control the introduction and/or spread of noxious weeds	<p>Introduction and/or spread of noxious weeds will be controlled through the following measures:</p> <ul style="list-style-type: none"> • noxious weeds within the development envelope will be controlled according to Weed and Pest Management Plan and other control plans and measures recommended by the Tablelands Regional Council; • A regulated weed washdown bay for machinery and vehicles will be constructed and maintained at the entrance to the project area; • Noxious weeds currently lining the access will be controlled and eradicated prior to construction commencing; • Pre-construction and post-construction weed survey will be conducted to to identify the location and severity of weeds infestations within development footprint; 	Proponent and Contractor	✓	✓	✓

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
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			<ul style="list-style-type: none"> • where a specific weed risk has been identified, all machinery, equipment and vehicles are to be inspected and washed down as required before entering and leaving the project site; • soil from soil disturbance and vegetation clearance which may contain exotic species will be placed at least 50 m away from any water source; • weed-contaminated soil will not be allowed into the project site for fill or other purposes; • topsoil that is limited in weeds and harvested to salvage the native soil seed bank will be used to reintroduce the seed bank back into disturbed areas; • onsite staff and contractors will be educated on noxious weeds occurring at the site and ways to prevent their spread; • revegetation will be carried out using locally native endemic species characteristic of the cleared vegetation type; • control of invasive weed grasses within the disturbance zone will be conducted as soon as they are detected. 				
3.05	Reduction in local biodiversity through degradation of disturbed areas	Progressively rehabilitate disturbed areas	<ul style="list-style-type: none"> • Rehabilitation will be undertaken progressively in all areas disturbed by the works; • Local native species will be sourced for all revegetation works within native vegetation. Selected species will be common to the vegetation community in which works occur and may include rare and threatened plant species; • Re-use of topsoil and matter from the upper horizon will be used, where practical, to assist the natural regeneration process; • Seed collection of plant species from localised provenance prior to vegetation clearing to accumulate suitable stock for rehabilitation work. 		✓		
3.06	Reduction in local biodiversity through impact on the aquatic environment	Manage potential impacts on creeks	<p>Upgrades to existing creek crossings will be designed in accordance with Queensland Urban Drainage Manual and Far North Queensland ROC Development Manual; and</p> <p>Disturbed bank areas will be rehabilitated using native species only as soon as practical after completion of construction.</p>		✓		

Item	Impact	Objectives	Mitigation Task	Responsibility	Project Phase		
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3.07	Reduction in regionally and nationally significant species	Threatened Species Management	<p>A Threatened Species Management Plan (TSMP) will be prepared to outline measures to minimise impacts on significant species throughout the area during all project phases. The TSMP will incorporate provisions for the following:</p> <ul style="list-style-type: none"> • pre-clearance surveying and monitoring; • handling and relocation of wildlife (if found); • regular site inspections for injured/damaged species; • consultation with local government, DERM, SEWPAC and other relevant stakeholders regarding the implementation of management strategies; • rehabilitation of areas of high significance; • monitoring and control programme for introduced predators species to minimise impacts of susceptible native fauna; • the abundance and distribution of threatened species will be monitored during the operation phase to ensure that populations are not being adversely impacted by the project. 	Proponent and Contractor	✓	✓	✓
3.08	Bird and Bat Mortality and Turbine Avoidance Monitoring	Monitoring of Bird and Bat Strike	<p>Validation of the required turbine strike/barotrauma risk modelling will require mortality monitoring to be conducted during the operation phase and observations of bird and bat avoidance behaviour.</p> <p>Mortality monitoring is likely to incorporate the following methods:</p> <ul style="list-style-type: none"> • carcass searches utilising trained sniffer dogs and visual searches; • carcass removal studies to calibrate mortality monitoring data. <p>Spatially and temporally replicated surveys of bat and bird flight behaviour and habitat utilisations will be conducted to validate assumed avoidance rates used in the mortality risk models.</p> <p>Regular reporting will be undertaken to identify any trends in the data and will recommend appropriate management actions.</p>	Proponent in consultation with technical specialists		✓	