
Flat Rocks Wind Farm

Development Application

Planning Application Report

November 2010



Photograph by David Clarke

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Executive Summary



Executive Summary

1 Introduction

Moonies Hill Energy Pty Ltd has submitted a Planning Application for approval by the Shire of Kojonup, for the construction and operation of a Wind Farm at the Flat Rocks locality approximately 20km south east of Kojonup, 27km North West of Tambellup, 16km west of Broomehill and 27km south west of Katanning. The location of the proposed development site is shown in Figure 1. The wind farm will consist of up to 74 wind turbines and associated infrastructure. MHE has included the Flat Rocks Wind Farm Planning Application and Environmental Impact Report to support this development application.

The proposed Flat Rocks Wind Farm (FRWF) will generate renewable electricity from a clean renewable resource for a period of 25 years after which time, subject to further planning approval, it may be refurbished and the life extended, or decommissioned and removed.

This Executive Summary provides an outline of the design of the proposed development, consultation undertaking in developing the project and the environmental and impact assessment MHE has undertaken in relation to the Flat Rocks Wind Farm Project.

2 Proponent - Moonies Hill Energy Pty Ltd

The proponent of the Flat Rocks Wind Farm project is Moonies Hill Energy Pty Ltd (MHE), a locally owned renewable energy development company. MHE has been involved with the Flat Rocks Wind Farm since the projects inception in June 2008. As a locally owned company MHE is committed to the Great Southern Region and has a “shop local” policy in regards to goods and services.

3 Government Policy

Climate change has been described as one of the greatest economic, social and environmental challenges of our time. There is ever mounting scientific evidence confirming that human activity is altering the climate resulting in changing rainfall patterns, reducing water availability in Australia and increasing the frequency of severe weather events such as bushfires and storms.

In 2001 The Australian Government introduced a Mandatory Renewable Energy Target (MRET) scheme which aimed to increase the uptake of renewable energy in Australia’s electricity supply by 2%. In 2007 the Government increased this commitment ensuring that by 2020, 20% of Australia’s electricity supply comes from renewable energy sources. To deliver on this commitment, the Government is working to expand the national Renewable Energy Target (RET) that will bring the MRET and existing and proposed state and territory targets into a single national RET scheme.

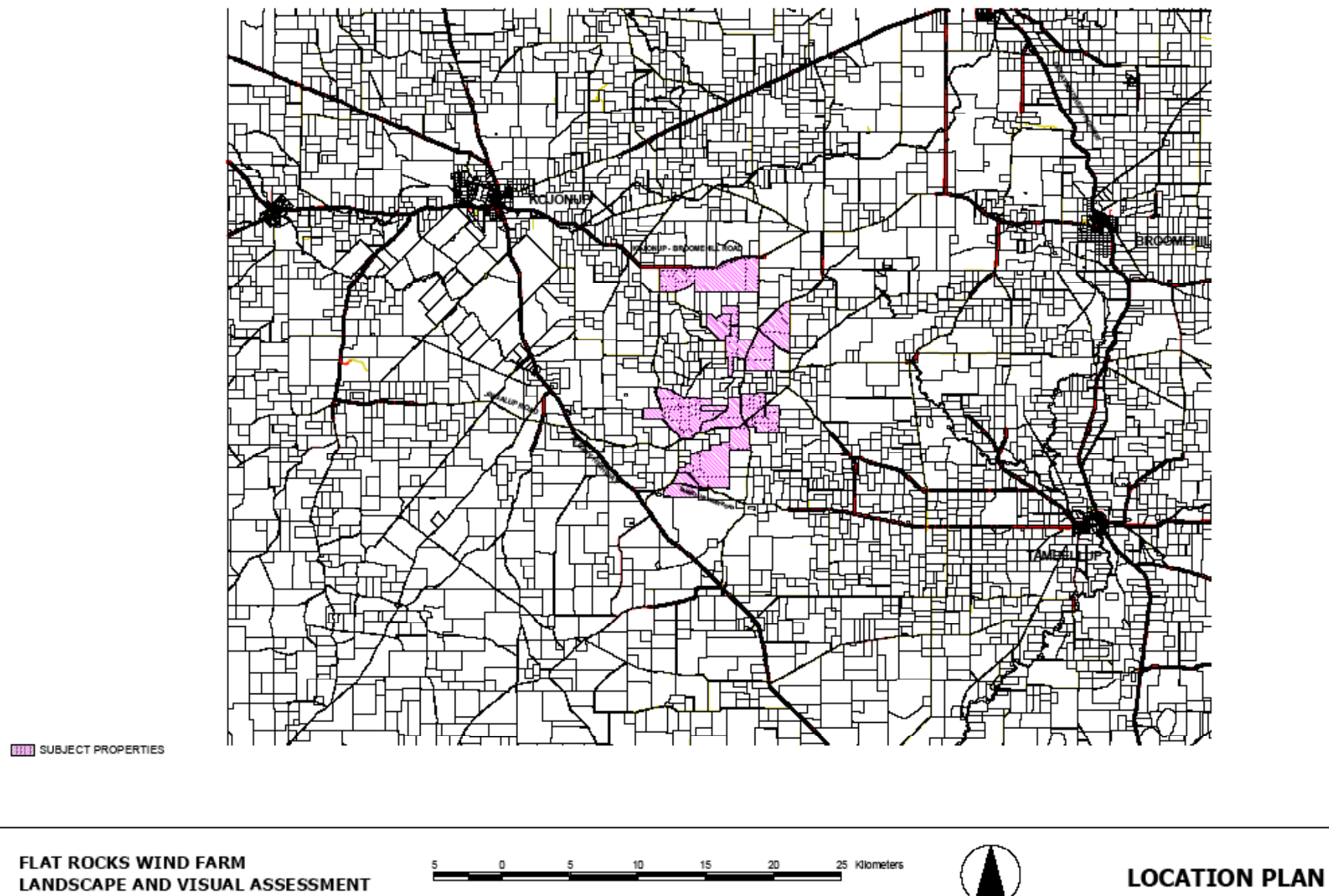
4 Flat Rocks Wind Farm Benefits

The FRWF will generate significant economic, environmental and social benefits to the region including: Injection of \$30 million into the local community during construction plus \$5 million annually for the life of the project;

- Savings of up to 451,000 tonnes of CO₂ (global warming pollution) each year, equivalent to removing 93,000 cars from the road annually;
- Enough clean, renewable electricity to supply up to 90,000 homes every year;
- Provide economic diversity to the region;
- Direct and indirect employment opportunities for the local and broader regional community – 150 to 200 construction jobs;
- Up to 15 ongoing permanent jobs in operations and maintenance;
- An opportunity for local farmers to diversify;
- The permanent works will take up approximately 1% of the landowner's properties, ensuring current farming practices can continue and a minimal environmental footprint for the project;
- Establishment of a Sustainable Communities Fund to support local community groups, sporting clubs and organisations;
- Tourist attraction and information bay with potential to incorporate a Wool Memorabilia Museum.

5 Site Location

The proposed FRWF development site is located in open farmland approximately 35km south east of Kojonup and 17km east of Albany highway from the Yarranup Road intersection. The site runs approximately 20km south from the Kojonup-Broomehill road (at the intersection of the Kojonup - Broomehill and Nookanellup South Road) to the Tambellup West Road in the south. The total development envelope covers an area of approximately 6,840 Ha of which around 30 hectares will be used in the final FRWF development. The site is currently used for broadacre cropping and livestock production.

Figure 1: Proposed Flat Rocks Wind Farm Development Site

MHE has been investigating the FRWF site since early 2008. An 80m wind monitoring mast was installed on the site in May 2009. Wind data has and continues to be analysed and the site has an economic wind resource and suitable surrounding landscapes to support development of a 150MW wind farm.

The final layout of the wind farm will be determined after the completion and consideration of the environmental impact assessment, selection of a wind turbine model, geotechnical assessment and planning and development approval conditions.

The application submitted for development approval consists of a 74 turbine layout. On selection of the preferred turbine model and during the detailed design phase, the wind turbines will be micro-sited to maximise energy output, minimise environmental impacts, whilst complying with planning and development regulations and conditions.

It should be noted that while the wind turbine positions may be adjusted through this process, the final wind farm layout will generally be in accordance with the layouts submitted in this application.

6 The Project

A description of the project components is provided in the following sections.

7.1. Infrastructure

The proposed Flat Rocks Wind Farm will consist of approximately 74 wind turbine generators with a preferred installed capacity of 150MW. Several turbine models are currently under consideration ranging from 1.8MW up to 3.3MW. Each turbine is made up of the following components:

- Tower – up to 84m high tubular towers
- Blades – three blades up to 56m in length
- Rotor diameter – up to 112m
- Tip height – up to 140m
- Nacelle – located on top of the tower and houses the gearbox and generator
- Foundation – reinforced concrete base foundation
- Hardstand – Crane hardstand area located directly adjacent to the foundation



Figure 2: Anatomy of a Wind Turbine Generator

The main infrastructure of the wind farm development will comprise of the following components:

- On-site tracks – approximately 40km
- Cabling – approximately 96km of predominantly below ground cabling
- Operation and maintenance building
- Substation
- Meteorological masts – up to two permanent 80m masts (1 already in place)
- Temporary construction compounds and laydown areas
- Temporary concrete batching plant

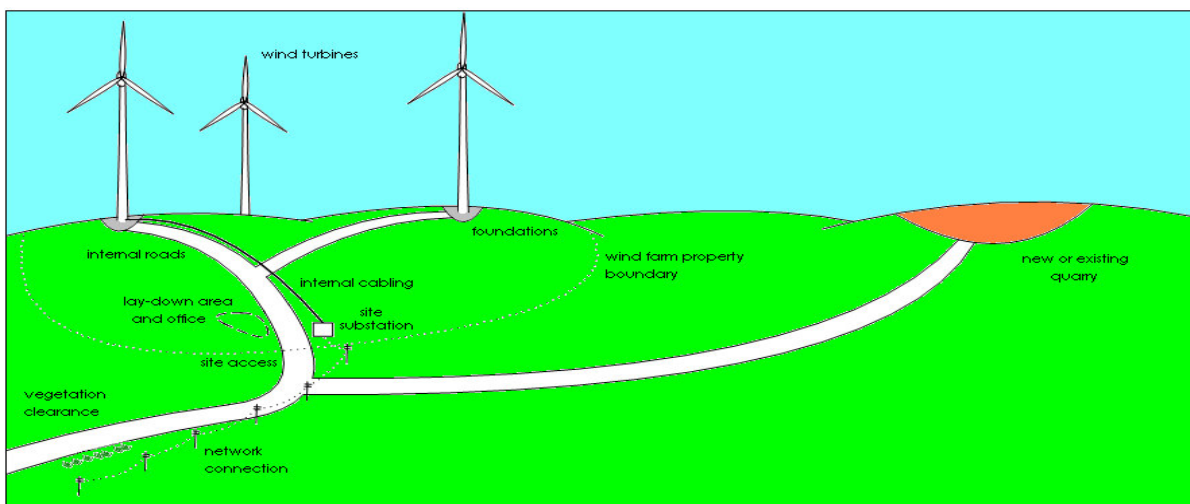


Figure 3: Elements of a wind farm development (Draft National Wind Farm Development Guidelines)

7.2. Grid Connection

The wind farm will have a nominal generating capacity in the order of 150MW, which will be connected into the South West Interconnected System (SWIS) via an existing 132kV power line that crosses the project area in the south, construction of a new 132kV power line into the Kojonup substation or via connection to the proposed 330kV Muja-Wellstead power line. These connection options will be discussed with Western Power over the coming months to establish the preferred option.

7.3. Traffic and Route to Site

MHE has consulted with Main Roads and the Shires of Kojonup and Broomehill-Tambellup regarding the most suitable routes for heavy vehicle deliveries and daily traffic to the FRWF site. Communication will continue to ensure the most appropriate traffic routes are utilised. The final route to the FRWF site will be identified by consultations between turbine suppliers, transport companies, Main Roads, WA Police and the Shires of Kojonup and Broomehill-Tambellup.

The Traffic Management Plans will be developed to manage traffic movements throughout construction to minimise disruption. Local freight companies and users, farm vehicles, the locations of hospitals, school bus contractors, schools and aged care facilities will all be taken into account within the plan.

7.4. Aviation Obstruction Lights

In relation to air craft safety, the turbines may be lit in accordance with CASA requirements in Advisory Circular AC 139-18(0). To meet the requirements that all structures over 110 meters be lit with aviation safety lights at intervals of 900m¹, it is likely that approximately 14 of the 74 turbines will be lit with medium intensity, red lights.

An assessment for obstacle lighting will be undertaken prior to construction and consider input from local planning authorities, aerodrome operators, insurers and financiers. The wind turbine generators installed at the FRWF will be light grey in colour to ensure they are conspicuous against the surrounding background in terms of ground cover and vegetation.

¹ AC 139-18(0) Obstacle Marking and Lighting of Wind Farms CASA Advisory Circular

8. Consultation

MHE has consulted with a range of agencies, government departments and community groups regarding the development of the FRWF project.

Information sessions have been held for immediate neighbours on two occasions – 6th August 2008 at “Intaba” and Friday 17th September 2010 at the Kojonup Lessor Hall. These sessions provided surrounding landowners, within a 10km radius of the development site, an opportunity to view information about the proposed project, ask questions of MHE staff, and raise suggestions and concerns.

Two community information sessions were held on Monday the 16th May 2011, one in the Broomehill Sporting Complex and the other at the Kojonup Bowling Club. Both meetings were well attended and enabled the local communities to see the results of environmental impact studies and to learn more about how the project will look and benefit the community. A selection of the information presented at these sessions has also been on display in Shire of Kojonup and Shire of Broomehill and Tambellup.

9. Environmental Assessment

MHE has engaged several specialist consultants to undertake detailed environmental and impact assessments of the proposed FRWF project. The environmental assessments are summarised in the following *Flat Rocks Wind Farm Environmental Report*. Below is a list of the associated reports;

- Flora, Vegetation and Fauna Assessment of the Flat Rocks Wind Farm Report - *Mattiske Consulting Pty Ltd*
- Ethnographic Survey of the Flat Rocks Wind Farm Site Report - *R. & E. O'Connor Pty Ltd*
- Archaeological Survey of the Proposed Flat Rocks Wind Farm Project Report - *John Cecchi Heritage Management Consultancy*
- Background Noise Monitoring - Flat Rocks Wind Farm Report - *Herring Storer Acoustics*
- Noise Impact Assessment - Flat Rocks Wind Farm Report - *Herring Storer Acoustics*
- Landscape and Visual Impact Assessment - Flat Rocks Wind Farm Report - *William James Landscape Architect*
- Zones of Visual Influence - Flat Rocks Wind Farm Report - *GL Garrad Hassan*
- Shadow Flicker Assessment - Flat Rocks Wind Farm Report - *GL Garrad Hassan*
- Airspace Assessment - Flat Rocks Wind Farm Report - *Moonies Hill Energy Pty Ltd*
- EMI Assessment - Flat Rocks Wind Farm Report - *Moonies Hill Energy Pty Ltd*

10. Socio-economics

MHE is committed to maximising local involvement in the FRWF project from construction through to operation. Local employment opportunities will be created during the construction phase of the project. Workers required for the project will include plant operators, truck drivers, mechanics, welders, fencers, electricians, labourers, transport contractors, office administrators and other individuals typically used in civil construction. MHE estimates that the construction stage of the project may involve up to 200 individuals and 50 businesses. Once operational the FRWF will create up to 15 full-time jobs.

As a company committed to sustainability MHE will establish a Sustainable Communities Fund (SCF). This fund will operate for the operational life of the FRWF (typically 25 years). The fund aims to support surrounding community programs, local schools, sporting clubs and other activities that encourage a sustainable and cohesive community. The final structure of this fund is still under review. MHE has been in contact with Mr Bill Webb from Kojonup who is actively involved in the establishment of a Kojonup Community Fund. More details of the SCF will be released as the project evolves.

MHE has had preliminary discussions with a landowner about the possible collaboration of a control building, viewing platform and wool harvesting and memorabilia museum. The particular landowner already has a substantial collection of wool harvesting equipment and wool memorabilia and plans to continue to grow his collection. As there is already interest from tourists to view the collection, a combined facility would enable the collection to be better presented and persevered. Located at the northern, elevated end of the Flat Rocks wind farm, this joint facility would have views of the wind farm to the south and the Stirling Ranges to the south east.

11. Fire Management

Fire prevention and control will be of paramount importance during the construction, operation and decommissioning or refurbishment of the Flat Rocks wind farm site. All aspects of the project will adhere to the *Fire and Emergency Services of Western Australia Act 1998*, and will be in consideration of the *Australian Wind Energy Association's Best Practice Guidelines: Fire Management* (2006).

Wind farms present a low risk of fire. Wind turbines themselves have complex monitoring systems (SCADA) that can detect temperature increases in a wind turbine and shut them down when the threshold temperature is reached, thus reducing fire risk. The electrical control systems of wind turbines are enclosed in the nacelle housing and steel tower, reducing the risk of a fire spreading due to an electrical fault. Modern turbines are fitted with fire extinguishers and lighting protection devices. All related high voltage electrical works will be installed and operated to relevant national and international standards and regulations.

Despite the low risk of fire imposed by the proposed Flat Rocks wind farm it is important to have an effective fire management plan in place. Not only does an effective fire management plan provide wind farm proponents with assurance that minimum damage would result from a fire incident, it also reassures the local community and enables the local volunteer bush fire brigade to confidently plan and execute an effective response if required.

Appropriate fire management plans will be implemented for all stages of the wind farm development. These plans will include:

- Adherence to all regulations under the Fire and Emergency Services of Western Australia Act 1998
- Installation of access tracks at least 5 m wide (7 m for corners) and with appropriate vertical clearance and suitability for all weather conditions
- Provision of basic fire-fighting equipment at each active site, including fire extinguishers, knapsacks and other equipment suitable for initial response actions
- Identification of water resources in the immediate area, (including fast fill points from local private dams)
- Maintaining provision for mobile telephone and UHF radiocommunications
- Provision of on-site identification of individual turbine locations and access gates for firefighting services, and an undertaking to provide local volunteer bush fire brigades with access to any gates
- Consideration of total fire ban days in regard to hours within which certain activities can occur

12. Refurbishment and Decommissioning

12.1. Refurbishment

After approximately 20-25 years of operation (or sooner if deemed economically viable), the nacelles (top section of the turbine) and towers can be removed and replaced. Old nacelles and towers are removed from site for recycling. Nacelle replacement would potentially extend the life of the wind farm for a further 20 or so years.

Alternatively, at the end of their operational life all wind turbines will be decommissioned (see **Section 12.2** below), and new foundations, towers and nacelles installed in the same or nearby locations. Any material change to the wind farm layout, or significant changes to the turbine technology, will be discussed with the Shire of Kojonup and Broomehill Tambellup and any required permits sought.

Refurbishment would also be subject to the regulations and guidelines of the day.

Refurbishment requires transportation and installation of equipment and facilities, similar to that used during the initial construction phase.

12.2 Decommissioning

At the end of the wind farms operational life, the turbines and all other above ground infrastructure on-site will be dismantled and removed. The tower bases would be cut back to below ploughing level or topsoil built up over the footing to achieve a similar result. The land will be returned to preconstruction condition (or as close as practicable) and use, in this instance broadacre farming.

Access tracks, if not required for farming purposes or fire access, would be removed and the area reinstated to preconstruction condition and use (or as close as practicable). Access gates, if not required for farming purposes, would be removed and fences re-instated.

The underground cables used to link the turbines during operation are well below ploughing depth and as they contain no harmful substances will be left in the ground. If economically attractive and environmentally acceptable these cables may be recovered. Terminal connections would be cut back to below ploughing levels.

The cost of all decommissioning work is the responsibility of the wind farm owner and subject to the relevant regulations of the day. It has been shown in Europe that the sale of scrap metal and other valuable items salvaged from the turbines and electrical components are able to meet the majority, if not all, of costs associated decommissioning.

13. Conclusion

This Executive Summary demonstrates that approval for the development of the Flat Rocks Wind Farm is warranted subject to reasonable and relevant conditions.

This following report, *Environmental Impact Report*, illustrates the Flat Rocks Wind Farm proposal is acceptable under Local and State planning requirements, has community and landowner support for the development, that economic and social benefits in the form of job creation and the use of local goods and services will be derived from its implementation, and that environmental and other impacts are not significant and are capable of being managed.

On this basis, and lodgement in accordance with the provisions of the Shire of Kojonup Town Planning Scheme No. 3 (District Scheme), it is requested that the Shire of Kojonup, after consultation with the appropriate Referral Agencies grant Planning Consent and Development Approval for the proposal Flat Rocks Wind Farm.

Planning Application Report



14. Land Holder Details

1. Owner of Land: Dovercourt Pty Ltd as Trustee for the Kingshurst Trust

Directors: Benjamin Campbell-Wilson and Sarah Rankin

Description of Land: The site is that described as "Intaba", 1240 Warrenup Road Broomehill, Western Australia 6318

Certificate of Title:

 - Volume 1726 Folio 664 (Kojonup Location 5979)
 - Volume 1726 Folio 665 (Kojonup Location 2927)
 - Volume 1726 Folio 666 (Kojonup Location 6854)
 - Volume 1726 Folio 667 (Kojonup Locations 1851, 1852, 2826, 2928, 3382, 5713 and 6603)
 - Volume 1726 Folio 668 (Kojonup Location 5614)
 - Volume 2109 Folio 13 (Kojonup Locations 1877, 2274, 2275 and 3470)

Description of Land: The site is that described as "Kingshurst", Palomar Road Broomehill Western Australia 6318

Certificate of Title:

 - Volume 2062 Folio 299 (Lot 2 on Diagram 88855)
 - Volume 2062 Folio 369 (Lot 1 88855)
 - Volume 2062 Folio 370 (Lot 33 on Plan 2851)

2. Owner of Land: The Yantecup Trust, John Maxwell Thorn Family Trust, Hillary May Thorn Family Trust
- Trustees: Hillary May Thorn and John Maxwell Thorn
- Description of Land: The site is that described as "The Meadows", 1073 Nookanallup South Road, Broomehill Western Australia
- Certificate of Title: Volume 1663 Folio 27 (Lot 10 on Plan 14464)
- Volume 2122 Folio 77 (Lot 6599 on Deposited Plan 79216)
- Volume 2122 Folio 78 (Lot 6598 on Deposited Plan 79218)
- Volume 2122 Folio 79 (Lot 1083 on Deposited Plan 101836)
- Volume 2122 Folio 80 (Lot 1943 on Deposited Plan 110745)
- Volume 2122 Folio 81 (Lot 1957 on Deposited Plan 110744)
- Volume 2122 Folio 82 (Lots 28,29,30 & 31 on Plan 2851)
- Volume 2122 Folio 83 (Lot 1082 on Deposited Plan 101826)
- Description of Land: The site is that described as "Yantecup", Potts Road Kojonup Western Australia
- Certificate of Title: Volume 1207 Folio 251 (Lot 6315 on Deposited Plan 79220)
- (Lot 781 on Deposited Plan 100937)
- (Lot 1016 on Deposited Plan 101604)
- (Lot 1017 on Deposited Plan 101605)
- (Lot 1158 on Deposited Plan 102671)
- (Lot 1748 on Deposited Plan 107865)
- (Lot 4747 on Deposited Plan 115014)
- (Lot 4429 on Deposited Plan 126453)
- (Lot 4787 on Deposited Plan 128148)
- (Lot 96 on Deposited Plan 245672)
- Volume 1112 Folio 404 (Kojonup Location 4168 and 4788)
- Volume 2116 Folio 603 (Kojonup Location 6474)

3. Owner of the Land: Rocky Creek Pty Ltd
 Directors: Michael and Shelley Bilney
 Description of the Land: The site is that described as “Rocky Creek”, Bilney Road Kojonup,
 Western Australia 6395
 Certificate of Title: Volume 1251 Folio 510 (Kojonup Location 7362)
 Volume 1270 Folio 083 (Kojonup Locations 6855, 7725, 6085, 1028,
 6932, 1111,
 1107, 1085, 1110, 1641, 4386, 725, 1697 and 1790)
4. Owner of the Land: Michael Bilney as trustee for the AJ Bilney Family Trust
 Trustee: Michael Bilney
 Description of the Land: The site is that described as “Rocky Creek”, Bilney Road Kojonup,
 Western Australia 6395
 Certificate of Title: Volume 1107 Folio 507 (Kojonup Location 5187)
5. Owner of the Land: Alexander John Cant
 Description of the Land: The site is that described as “Euvista”, 2855 Kojonup-Broomehill Road,
 Kojonup Western Australia 6395
 Certificate of Title: Volume 1840, Folio 252 (Kojonup Location 8782, being Lot 1 on Plan
 16813)
 Volume 1765, Folio 927 (Kojonup Location 8783)
6. Owner of the Land: Cameron Clayton Cant
 Description of the Land: The site is that described as “Euvista”, 2855 Kojonup-Broomehill Road
 Kojonup Western Australia 6395
 Certificate of Title: Volume 1479 Folio 881 (Lot 1 on Diagram 50672)
 Volume 1604 Folio 758 (Lot 2 on Diagram 61953)
 Volume 1611 Folio 9424 (Kojonup Location 1000 and 4224)
 Volume 927 Folio 191 (Lot 3936 on Deposited Plan 124135)
 Volume 1015 Folio 111 (Lot 1001 on Deposited Plan 101263)

15. Planning Applications

SCHEDULE III(A) APPLICATION FOR PLANNING CONSENT FORM 1

SHIRE OF KOJONUP TOWN PLANNING SCHEME NO. 3

APPLICATION FOR PLANNING CONSENT

Name of Owner of Land) **Dovercourt Pty Ltd**
 on which development) Directors Names: **Benjamin Robert Campbell-Wilson**
 Address in Full: 1240 Warrenup Road, Broomehill, WA 6318

Submitted by: **Moonies Hill Energy Pty Ltd**
 Address for Correspondence: 78 Pensioner Road, Kojonup WA, 6395

Locality of Development: Flat Rocks (Approximately 35km south east of Kojonup, Between the Kojonup-Broomehill Road and the Tambellup West Road)

Titles Office Description of Land:

The site is that described as "Intaba", 1240 Warrenup Road Broomehill Western Australia 6318, more particularly described as:

- a) all of the land comprising Kojonup Location 5979, Certificate of Title Vol 1726, Folio 664 and
- b) all of the land comprising Kojonup Location 2927, Certificate of Title Vol 1726, Folio 665, and
- c) all of the land comprising Kojonup Location 6854, Certificate of Title Vol 1726, Folio 666, and
- d) all of the land comprising Kojonup Locations 1851, 1852, 2826, 2928, 3382, 5713 and 6603, Certificate of Title Vol 1726, Folio 667, and
- e) all of the land comprising Kojonup Location 5614, Certificate of Title Vol 1726, Folio 668, and
- f) all of the land comprising Kojonup Locations 1877, 2274, 2275 and 3470, Certificate of Title Vol 2109, Folio 13 and

The site is that described as "Kingshurst", Palomar Road Broomehill Western Australia 6318, more particularly described as:

- g) all of the land comprising Lot 2 on Diagram 88855, Certificate of Title Vol 2062, Folio 299 and

h) all of the land comprising Lot 1 88855, Certificate of Title Vol 2062, Folio 369 and

i) all of the land comprising Lot 33 on Plan 2851, Certificate of Title Vol 2062, Folio 370.

The type of development and the nature of the proposed buildings are as follows:
approximately 74 wind turbines. And associated infrastructure

The approximate cost of proposed development is: approximately \$400M

The estimated time of completion is: 24 months after commencement

The approximate number of persons to be employed when the development is completed is:
expected to be in 10-15 full time employees.

Three copies of the Site Plan and other necessary plans of the proposals are submitted with this application.

Signed by the Owner of the Land :



Signed by the Applicant:



NOTE: A separate application is required to be submitted to the Council for a building licence (where applicable).

SCHEDULE III(A) APPLICATION FOR PLANNING CONSENT
FORM 1

SHIRE OF KOJONUP
TOWN PLANNING SCHEME NO. 3

APPLICATION FOR PLANNING CONSENT

Name of Owner of Land) Surname: **Thorn**
on which development) Christian Names: **Hillary May and John Maxwell** as trustees for
proposed) the Yantecup Trust, the John Maxwell Thorn Family Trust and the
Hillary May Thorn Family Trust
Address in Full: 123 Hare Street, Albany Western Australia 6330

Submitted by: **Moonies Hill Energy Pty Ltd**
Address for Correspondence: 78 Pensioner Road, Kojonup WA, 6395

Locality of Development: Flat Rocks (Approximately 35km south east of Kojonup, Between the Kojonup-Broomehill Road and the Tambellup West Road)

Titles Office Description of Land:

The site is that described as "The Meadows", 1073 Nookanallup South Road Broomehill
Western Australia, more particularly described as:

- a) all of the land comprising Lot 10 on Plan 14464, Certificate of Title Vol 1663, Folio 27; and
- b) all of the land comprising Lot 6599 on Deposited Plan 79216, Certificate of Title Vol 2122, Folio 77; and
- c) all of the land comprising Lot 6598 on Deposited Plan 79218, Certificate of Title Vol 2122, Folio 78; and
- d) all of the land comprising Lot 1083 on Deposited Plan 101836, Certificate of Title Vol 2122, Folio 79; and
- e) all of the land comprising Lot 1943 on Deposited Plan 110745, Certificate of Title Vol 2122, Folio 80; and
- f) all of the land comprising Lot 1957 on Deposited Plan 110744, Certificate of Title Vol 2122, Folio 81; and
- g) all of the land comprising Lots 28, 29, 30 & 31 on Plan 2851, Certificate of Title Vol 2122, Folio 82; and
- h) all of the land comprising Lot 1082 on Deposited Plan 101826, Certificate of Title Vol 2122, Folio 83 and

The site is that described as "Yantecup", Potts Road Kojonup Western Australia as shown in the maps forming Schedule 3 of this Agreement, more particularly described as:

i) all of the land comprising Lot 6315 on Deposited Plan 79220, Lot 781 on Deposited Plan 100937, Lot 1016 on Deposited Plan 101604, Lot 1017 on Deposited Plan 101605, Lot 1158 on Deposited Plan 102671, Lot 1748 on Deposited Plan 107865, Lot 4747 on Deposited Plan 115014, Lot 4429 on Deposited Plan 126453, Lot 4787 on Deposited Plan 128148, Lot 96 on Deposited Plan 245672, Certificate of Title Vol 1207, Folio 251 and.

j) all of the land comprising Kojonup Location 4168 and 4788, Certificate of Title Vol 1112, Folio 404 and

k) all of the land comprising Kojonup Location 6474, Certificate of Title Vol 2116, Folio 603.

The type of development and the nature of the proposed buildings are as follows:
approximately 74 wind turbines. And associated infrastructure

The approximate cost of proposed development is: approximately \$400M

The estimated time of completion is: 24 months after commencement

The approximate number of persons to be employed when the development is completed is: expected to be in 10-15 full time employees.

Three copies of the Site Plan and other necessary plans of the proposals are submitted with this application.

Signed by the Owner of the Land:



Signed by the Applicant:



NOTE: A separate application is required to be submitted to the Council for a building licence (where applicable).

SCHEDULE III(A) APPLICATION FOR PLANNING CONSENT
FORM 1

SHIRE OF KOJONUP
TOWN PLANNING SCHEME NO. 3

APPLICATION FOR PLANNING CONSENT

Name of Owner of Land) **Rocky Creek Pty Ltd**
on which development) Directors Names: **Michael and Shelley Bilney**
Address in Full: "Rocky Creek" Bilney Road, Kojonup, Western Australia, 6395

Submitted by: **Moonies Hill Energy Pty Ltd**
Address for Correspondence: 78 Pensioner Road, Kojonup WA, 6395

Locality of Development: Flat Rocks (Approximately 35km south east of Kojonup, Between the Kojonup-Broomehill Road and the Tambellup West Road)

Titles Office Description of Land:

The site is that described as "Rocky Creek", Bilney Road Kojonup Western Australia 6395 more particularly described as:

- a) all of the land comprising Kojonup Location 7362, Certificate of Title Vol 1251, Folio 510.
- b) all of the land comprising Kojonup Locations 6855, 7725, 6085, 1028, 6932, 1111, 1107, 1085, 1110, 1641, 4386, 725, 1697 and 1790, Certificate of Title Vol 1270, Folio 083.


The type of development and the nature of the proposed buildings are as follows:
approximately 74 wind turbines. And associated infrastructure

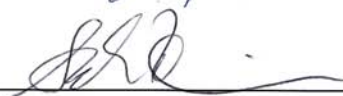
The approximate cost of proposed development is: approximately \$400M

The estimated time of completion is: 24 months after commencement

The approximate number of persons to be employed when the development is completed is: expected to be in 10-15 full time employees.

Three copies of the Site Plan and other necessary plans of the proposals are submitted with this application.

Signed by the Owner of the Land : 

Signed by the Applicant: 

NOTE: A separate application is required to be submitted to the Council for a building licence (where applicable).

SCHEDULE III(A) APPLICATION FOR PLANNING CONSENT
FORM 1

SHIRE OF KOJONUP
TOWN PLANNING SCHEME NO. 3

APPLICATION FOR PLANNING CONSENT

Name of Owner of Land) Surname: **Bilney**
on which development) Christian Names: **Michael** as trustee for the **AJ Bilney Family Trust**

Address in Full: "Rocky Creek" Bilney Road, Kojonup, Western Australia, 6395

Submitted by: **Moonies Hill Energy Pty Ltd**

Address for Correspondence: 78 Pensioner Road, Kojonup WA, 6395

Locality of Development: Flat Rocks (Approximately 35km south east of Kojonup, Between the Kojonup-Broomehill Road and the Tambellup West Road)

Titles Office Description of Land:

The site is that described as "Rocky Creek", Bilney Road Kojonup Western Australia 6395 more particularly described as:

a) all of the land comprising Kojonup Location 5187, Certificate of Title Vol 1107, Folio 507.

The type of development and the nature of the proposed buildings are as follows:
approximately 74 wind turbines. And associated infrastructure

The approximate cost of proposed development is: approximately \$400M

The estimated time of completion is: 24 months after commencement

The approximate number of persons to be employed when the development is completed is: expected to be in 10-15 full time employees.

Three copies of the Site Plan and other necessary plans of the proposals are submitted with this application.

Signed by the Owner of the Land :  _____

Signed by the Applicant:  _____

NOTE: A separate application is required to be submitted to the Council for a building licence (where applicable).

SCHEDULE III(A) APPLICATION FOR PLANNING CONSENT
FORM 1

SHIRE OF KOJONUP
TOWN PLANNING SCHEME NO. 3

APPLICATION FOR PLANNING CONSENT

Name of Owner of Land) Surname: **Cant**
on which development) Christian Names: **Alexander John**

Address in Full: **2855 Broomehill-Kojonup Road, Kojonup, Western Australia, 6395**

Submitted by: **Moonies Hill Energy Pty Ltd**

Address for Correspondence: 78 Pensioner Road, Kojonup WA, 6395

Locality of Development: Flat Rocks (Approximately 35km south east of Kojonup, Between the Kojonup-Broomehill Road and the Tambellup West Road)

Titles Office Description of Land:

The site is that described as "Euvista", 2855 Kojonup-Broomehill Road, more particularly described as:

a) all of the land comprising Kojonup Location 8782, being Lot 1 on Plan 16813, Certificate of Title Vol 1840, Folio 252; and

b) all of the land comprising Kojonup Location 8783, Certificate of Title Vol 1765, Folio 927.

The type of development and the nature of the proposed buildings are as follows:
approximately 74 wind turbines. And associated infrastructure

The approximate cost of proposed development is: approximately \$400M

The estimated time of completion is: 24 months after commencement

The approximate number of persons to be employed when the development is completed is: expected to be in 10-15 full time employees.

Three copies of the Site Plan and other necessary plans of the proposals are submitted with this application.

Signed by the Owner of the Land : A. J. Cant

Signed by the Applicant: [Signature]

NOTE: A separate application is required to be submitted to the Council for a building licence (where applicable).

SCHEDULE III(A) APPLICATION FOR PLANNING CONSENT
FORM 1

SHIRE OF KOJONUP
TOWN PLANNING SCHEME NO. 3

APPLICATION FOR PLANNING CONSENT

Name of Owner of Land) Surname: **Cant**
 on which development) Christian Names: **Cameron Clayton**

Address in Full: **2855 Broomehill-Kojonup Road, Kojonup, Western Australia, 6395**

Submitted by: **Moonies Hill Energy Pty Ltd**

Address for Correspondence: 78 Pensioner Road, Kojonup WA, 6395

Locality of Development: Flat Rocks (Approximately 35km south east of Kojonup, Between the Kojonup-Broomehill Road and the Tambellup West Road)

Titles Office Description of Land:

The site is that described as "Euvista", 2855 Kojonup-Broomehill Road Kojonup Western Australia 6395, more particularly described as:

- a) all of the land comprising Lot 1 on Diagram 50672, Certificate of Title Vol 1479, Folio 881; and
- b) all of the land comprising Lot 2 on Diagram 61953, Certificate of Title Vol 1604, Folio 758; and
- c) all of the land comprising Kojonup Location 1000 and 4224, Certificate of Title Vol 1611, Folio 9424.
- d) all of the land comprising Lot 3936 on Deposited Plan 124135, Certificate of Title Vol 927, Folio 191.
- e) all of the land comprising Lot 1001 on Deposited Plan 101263, Certificate of Title Vol 1015, Folio 111.

The type of development and the nature of the proposed buildings are as follows:
 approximately 74 wind turbines. And associated infrastructure

The approximate cost of proposed development is: approximately \$400M

The estimated time of completion is: 24 months after commencement

The approximate number of persons to be employed when the development is completed is:
 expected to be in 10-15 full time employees.

Three copies of the Site Plan and other necessary plans of the proposals are submitted with this application.

Signed by the Owner of the Land : C.C. Conrad

Signed by the Applicant: [Signature]

NOTE: A separate application is required to be submitted to the Council for a building licence (where applicable).