

**MOORABOOL**  
Wind Farm

## **Moorabool North Wind Farm**

### **Application for Electricity Generation Licence**

Prepared for: Essential Services Commission, Victoria

8 February 2019

<b>Document:</b>	Moorabool North Wind Farm Application for Electricity Generation Licence
<b>Issue:</b>	Rev 2
<b>Status:</b>	Finalised
<b>Classification:</b>	Public (unless otherwise stated)
<b>Prepared for:</b>	Essential Services Commission
<b>Prepared by:</b>	Navneet Sharma
<b>Date:</b>	7 February 2019

## Document History

<b>Creator</b>	<b>Date</b>	<b>Description</b>	<b>Rev</b>	<b>Reviewed by</b>	<b>Review Date</b>
Navneet Sharma	15 Nov 2017	Issued for Review	1	Andrew Kerley	29 Nov 2017
		Issued for execution	1	Goldwind Legal	31 Jan 2018 and 7 February 2018
Navneet Sharma	7 Feb 2019	Final submission	2	Andrew Kerley/ Vincent Qiao	8 Feb 2019

## Glossary

AEMO	Australian Energy Market Operator
BOP	Balance of Plant
Connection Assets	Connection Assets has the same meaning given to it in the Interface Deed.
EI Act	Electricity Industry Act 2000
ELTS	Elaine Terminal Station
EPC	Engineering, Procurement and Construction
ESC	Essential Services Commission
ESC Act	Essential Services Commission Act 2001
ESCV	Essential Services Commission Victoria
Goldwind	Xinjiang Goldwind Science & Technology Co., Ltd (with stock identifiers 002202 on the Shenzhen Stock Exchange and 02208 on the Hong Kong Stock Exchange)
GWA	Goldwind Australia Pty Ltd
GWCA	Goldwind Capital (Australia) Pty Ltd
GWI	Goldwind International Holding (HK) Pty Ltd
MNWF	Moorabool North Wind Farm
MSWF	Moorabool South Wind Farm
MSWFPL	Moorabool South Wind Farm Pty Ltd
MSWFHPL	Moorabool South Wind Farm (Holding) Pty Ltd
MWF	Moorabool Wind Farm
MWFPL	Moorabool Wind Farm Pty Ltd
MWFHPL	Moorabool Wind Farm (Holding) Pty Ltd
MWFIC	Moorabool Wind Farm Interface Company Pty Ltd
NEM	National Electricity Market
RET	Renewable Energy Target

SHWFPL	Stockyard Hill Wind Farm Pty Ltd
WOM	Warranty, Operations and Maintenance
WTG	Wind Turbine Generator

## 1. Information on the Applicant and the Nature of Application

### 1.1 Introduction

In accordance with the *Guidance Notes for Applications for Electricity Licences and the Transfer of Existing Electricity licences* published by the Essential Services Commission and dated November 2006, Moorabool Wind Farm Pty Ltd (MWFPL) wishes to apply for a licence to generate and supply electricity.

MWF is located approximately 5km south of Ballan, and approximately 67km west of Melbourne, Victoria. The project has development approval of up to 107 WTGs over two sections:

- the Bungeeltap Section (or Moorabool North Wind Farm, MNWF) towards the north of the project site which consists of up to 50 WTGs; and
- the Ballark Section (or Moorabool South Wind Farm, MSWF, being a separate generation license applicant) to the south which consists of up to 57 WTGs.

MWFPL is developing and owns the MNWF, and a separate entity Moorabool South Wind Farm Pty Ltd (MSWFPL) is developing and owns the MSWF. MNWF and MSWF are collectively referred to herein as MWF.

In addition to the WTGs, MNWF will include the construction of an underground and overhead 33kV electrical reticulation network. MWF will connect to the 220kV/132kV Elaine Terminal Station (ELTS), to connect to the National Electricity Grid. To facilitate this connection to the ETS, an above ground 132 kV transmission line between MNWF and the grid connection point in ELTS (18km from MNWF and 12km from MSWF) will be constructed.

MWFPL is 100% owned by Goldwind (see section 1.2 for more information on corporate ownership). Goldwind has a leading role in delivering customised energy solutions to meet customer's diverse profiles and needs on a global scale. Goldwind's current global installed wind power capacity is 38GW, with approximately 25,000 installed wind turbine generators (including 21,000 units using advanced permanent magnet direct drive technology) in 17 countries on six continents. Specialising in utility scale projects, Goldwind adapts its best-in-class technology to fit a variety of project opportunities. Goldwind WTGs will be installed across MWF and more information on the use of Goldwind technology in Australian wind farm projects is presented in section 5 of this application.

MWFPL commenced construction works in June 2018, with the wind farm forecast to commence production in March 2019.

### 1.2 Information on the Applicant

Legal Name	MOORABOOL WIND FARM PTY LTD
ACN	135 829 846
Registered Business Address	Suite 2 Level 23, 201 Elizabeth Street, Sydney NSW 2000
Postal Address	Same as above
Contact Person	Vincent Qiao Investment Delivery Manager – Moorabool Wind Farm <a href="#">v.qiao@goldwind.com.au</a>

#### 1.2.1 Ownership

As presented in Figure 1 below, MWFPL and MSWFPL are 100% owned by holding companies incorporated in Australia: MWFHPL owns MNWF and MSWFHPL owns MSWF. Each of these holding companies are owned by Goldwind International (GWI)..

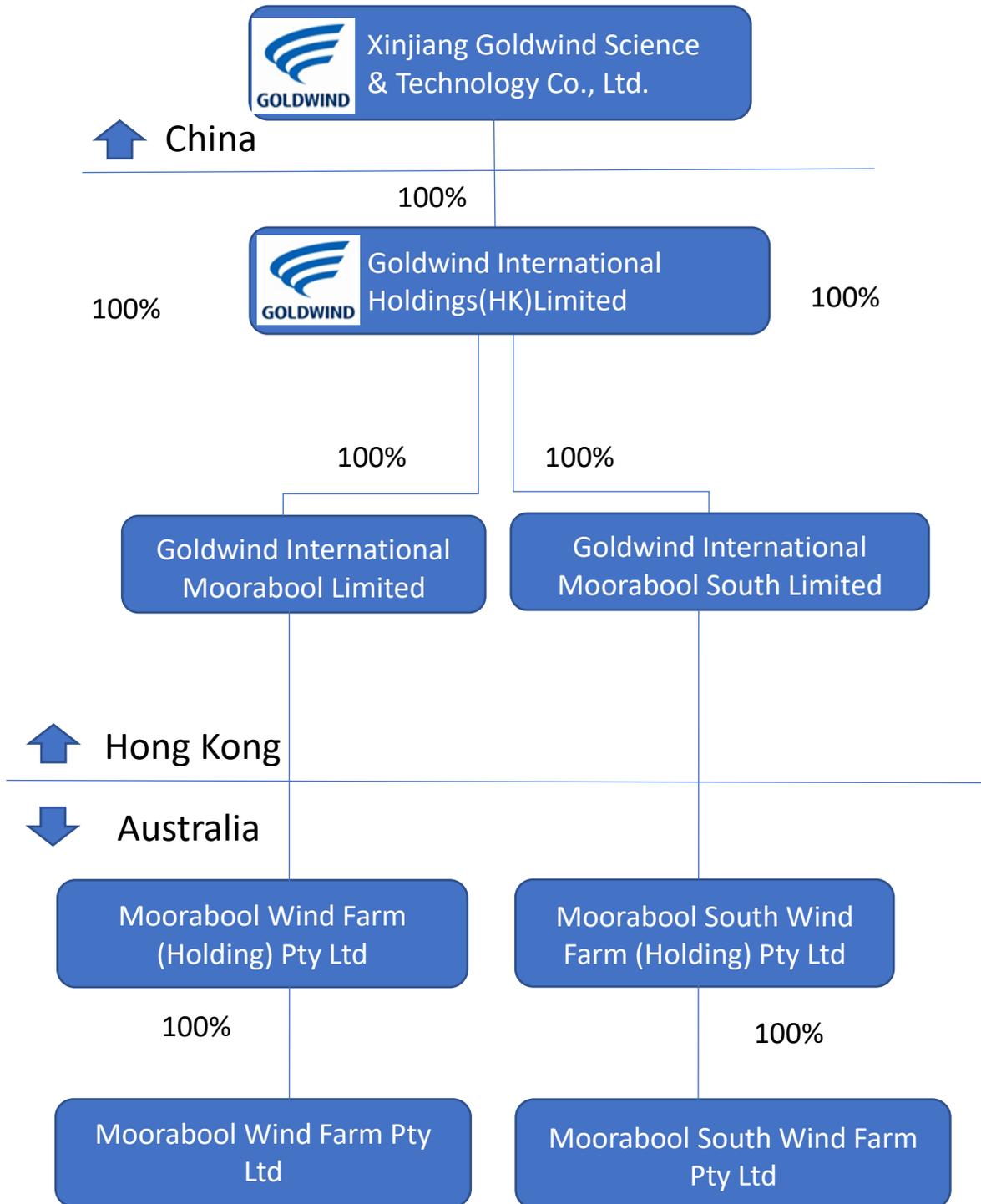
MWFIC is jointly owned by MWFPL and MSWFPL and has been established to facilitate the construction, operation, maintenance and sharing of Connection Assets that allow both MNWF and MSWF to connect to the national electricity network. MWFIC will separately register the MNWF and MSWF as a single generating system at the NEM connection point. MWFIC will procure all electricity delivered from MNWF and MSWF to the NEM connection point and immediately on-sell that electricity to AEMO in the NEM.

A Moorabool Wind Farm Interface Deed (**Interface Deed**-refer Attachment 1) has been drafted to govern the arrangements between MWFPL, MSWFPL and the MWFIC. The Interface Deed provides for:

- MWFIC to be jointly managed by MWFPL and MSWFPL.
- MWFIC to procure the construction, operation and maintenance of the Connection Assets

MWFIC:

- hold the grid connection agreement.
- operate in the electricity market.
- apportion the grid connection annuity proportionately between MWFPL and MSWFPL.
- be owned 50/50 by MWFPL and MSWFPL.
- be registered with AEMO.



## Moorabool Wind Farm Interface Co Pty Ltd

Figure 1 Corporate ownership structure of MWFIC

### 1.3 Details of contracts

MWFPL entered into an EPC contract with GWA, a subsidiary of GWI for the construction of the MNWF. Under the agreement please see Attachment 54, GWA executed a turbine supply agreement for the procurement of the turbines and towers and have engaged and are managing sub-contractors to complete the balance of plant works.

MWFIC has entered into a suite of agreements relating to the construction and ongoing service and operation of infrastructure to connect to the national electricity grid (the **Grid Connection Agreements**), including:

- Use of Service Agreement<sup>1</sup>
- Project Agreement<sup>2</sup>
- Connection Services Agreement<sup>3</sup>
- Project Coordination Deed<sup>4</sup>

To cover maintenance of MNWF during the first 10 years of operations, MWFPL have entered into a WOM contract with GWA to provide services for the operation and maintenance of the wind farm. Please see Attachment 63. Under the WOM contract, MWFPL may extend beyond the 10-year term by a further period of 5 years.

Figure 2 below presents a project contracts structure detailing these contract arrangements.

---

<sup>1</sup> Attachment 47 Use of Service Agreement

<sup>2</sup> Attachment 48 Project Agreement

<sup>3</sup> Attachment 49 Connection Services Agreement

<sup>4</sup> Attachment 50 Project Coordination Deed

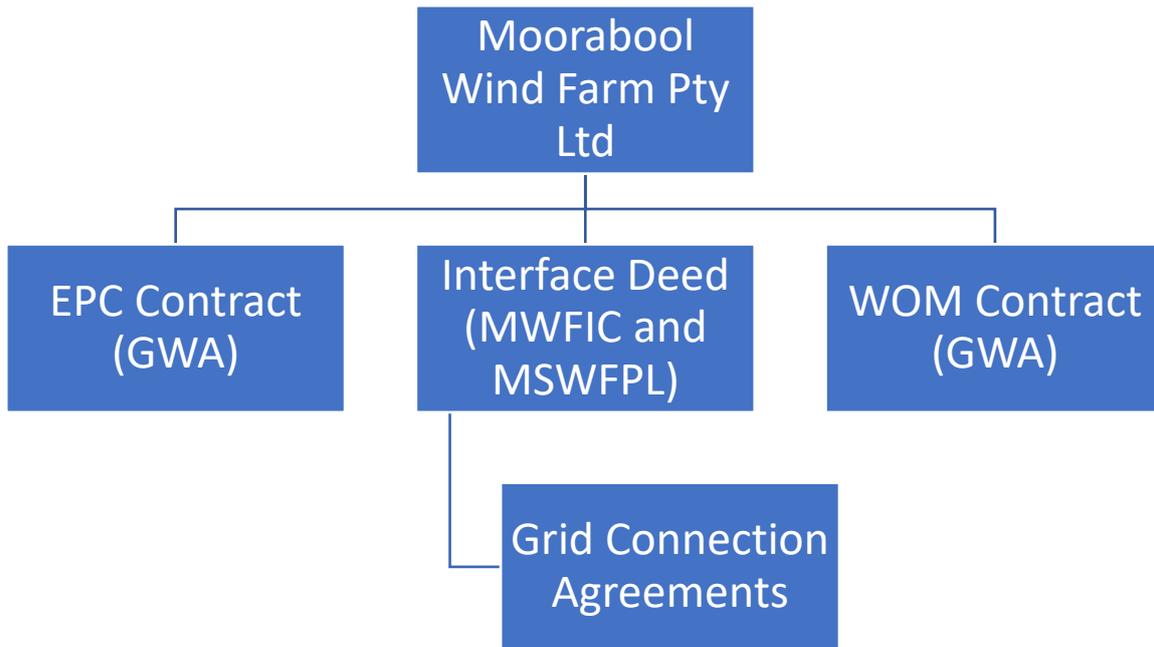


Figure 2 project contracts structure of the Moorabool Wind Farm Pty Ltd

### 1.3.1 Summary of experience of key personnel

As mentioned above, operation and maintenance of MNWF will be provided by GWA via a WOM contract. The following personnel will form a key part of the WOM team who will operate and maintain the WTGs at MNWF.

#### **Rob Brady**

Rob has more than 25 years' experience within a Service and Maintenance environment. His knowledge stems from his early working career employed as an electrical technician servicing large industrial fire protection systems installed within petro-chemical plants, large manufacturing facilities and multi-story commercial buildings to more recent duties such as the management of sites like the Thames flood barrier in London and the Dungeness Nuclear Power Station in South East England. For most of his working life, Rob has been involved in servicing products for large commercial customers across the construction, manufacturing industries and within the building services sector.

Rob first moved into a managerial role more than 10 years ago, since that time he has been employed by large, multi-national organisations. Commencing his career in electrical service, he has continued to gain considerable experience in customer management, contract management and employee development. Rob has worked closely across organizational departments such as Technology R&D, Engineering, Sales and Finance.

#### **Matt Dickie**

Matt is a professionally qualified Mechanical Engineer with over 20 years' experience. Matt has over seven years' experience in the wind industry, working at Vestas Australia in service. At Vestas, Matt managed service contracts for the Lake Bonney 1, 2, 3 and Alinta wind farms for Infigen Energy, and Canunda windfarm for Engie. Matt looked after 189 turbines amounting to 413 MW. Matt also rolled out Lean to all Vestas windfarms in Australia and New Zealand during this period and was involved in several initiatives to improve Vestas' service offering, using his six-sigma blackbelt qualification. Prior to Vestas, Matt held several positions at Ford and Prodrive, in engineering and management roles. Matt joined GWA in October 2016 as Service Manager, and is responsible for Mortons Lane Wind Farm, Gullen Range Wind Farm, and White Rock Wind Farm.

#### **Travers Wilson**

Travers has 20 years' experience in the renewable energy, power and industrial services sectors, working within operations, maintenance and project delivery for various technologies including Wind, Hydro, Solar Thermal and Co-generation.

Travers previously worked for WorleyParsons for 5+ years as site lead for distributed Combined Heat & Power and Hydro-electric turbines sites, within the Sydney Water Renewable Energy Generating Alliance.

More recently, working for TW Power services, managing projects and technical assignments for various clients including Wind Farm O&M Contract Transition Manager (Pacific Hydro), Capital Spend Review Technical Lead for Appin and Tower Power Station's (South 32), Project Manager for Cogeneration O&M Technical Review (Allwater S.Aus), Project Manager for Liddell Solar Thermal Recommissioning and Operations (AGL), Project Manager for Hau Nui Wind farm EoC Inspections (Genesis Energy, NZ), Project Manager for Wind Turbine Integrity Inspection (Ratch Corporation Australia).

Please refer Attachment 8 for summary of directors and key personnel.

## **1.4 Information regarding application**

### **1.4.1 Type of licence sought**

MWFPL is applying for a licence from ESCV to generate electricity from the MNWF for supply or sale to the NEM through the intermediary MWFIC.

### **1.4.2 Date from which Licence is sought**

4<sup>th</sup> March 2018.

### **1.4.3 Nature and scope of operations for which the licence is sought**

MNWF will consist of 50 Goldwind WTGs capable of generating a combined total of up to 170 MW.

MNWF will be constructed on crop/gazing land leased from local landowners. The construction has commenced, and the wind farm is expected to commence generating electricity in March 2019. Land required to construct MNWF have been secured under the land agreements between the relevant landowner and MNWF listed in Attachment 34.

Land required for transmission line route, where it's not a part of the wind farm lease, is secured by easements or consent from DELWP in relation to crown land (please see Attachment 46 for DELWP consent). Please also refer to Attachment 34 for copies of these land agreements. Please see Attachment 45 for the consent from DELWP which gives MWF permission to use roads owned by the Victorian Government.

### **1.4.4 Details of current or former licences held in this and/or other jurisdictions**

MWFPL has no current or expired licence in Victoria or any other jurisdictions.

### **1.4.5 Previous unsuccessful licence applications sought in this and/or any other Jurisdictions**

None

### **1.4.6 Licences held by associates of the applicant**

Goldwind, the ultimate owner of MWFPL and MSWFPL, also owns Stockyard Hill Wind Farm Pty Ltd (SHWFPL). An electricity generation licence (Attachment 33) has been issued by the ESC to SHWFPL by on 24 October 2012.

### **1.4.7 Licence Conditions**

MWFPL is not seeking any non-standard licence conditions.

### **1.4.8 Incorporation details**

The Certificate of Registration for MWFPL is provided in Attachment 9.

The Certificate of Registration for MWFHPL is provided in Attachment 10.

The Constitution of MWFPL is provided in Attachment 28.

The Constitution of MSWFHPL is provided in Attachment 32.



## 2. The Objective of the Commission

The objective of the Commission set out under sub-section 8(1) of the ESC Act is “to promote the long-term interests of Victorian consumers in performing its functions and exercising its powers” (**Objective**).

The applicant believes that the granting of the licence to MWFPL is consistent with this Objective as MNWF is a financially viable generator for the following reasons:

**a) Price, quality and reliability**

As a wind energy generator, MNWF will increase and diversify the supply, quality, reliability, enhance competition and help in reducing the cost of energy in Victoria.

**b) The efficiency in regulated industries and the incentive for efficient long-term investment**

MNWF is an efficient long-term electricity industry investment for the state of Victoria as it will augment part of the national electricity network, contribute towards meeting the RET set out by Australian Government and the Victorian renewable energy target set by the Victorian government. MNWF has an intended operational life of at least 20 years.

**c) The financial viability of the industry**

MNWF will make a positive contribution to the financial viability of the AEMO. Also, MNWF is a financially viable generator, underpinned by long-term contracts, and supported by major industry players.

**d) The degree of, and scope for, competition within the industry, including countervailing market power and information asymmetries**

The granting of the licence is consistent with the objective as it will result in the creation of new electricity generation and will improve the competitiveness of renewable electricity power generation in the national electricity market. Increased electricity supply has the potential to lower market spot prices.

**e) The relevant health, safety, environmental and social legislation applying to the industry**

The granting of the licence is consistent with the objective having regard to this matter because the development and operation of MNWF will be subject to all relevant health, safety, environmental and social legislation applying to the Victorian electricity industry. The externalities of electricity generated by MNWF, as a wind farm, including health, safety, environmental and social costs, will be low.

The Minister for Planning originally granted planning approval for the MWF in 2010. Since then, the Planning Permit has been amended to facilitate larger WTGs to be installed at the site, and administrative amendments. The latest version of the Planning Permit is available to the public at the MWF website (<http://mooraboolwindfarm.com/the-project/project-approvals>) and have also been included in attachment 11.)

**f) The benefits and costs of regulation (including externalities and the gains from competition and efficiency) for**

*i. Consumers and users of products or services (including low income and vulnerable consumers)*

MWF is forecast to generate approximately 530,000 MWh of electricity annually which will allow consumers and users of electricity (including low income and vulnerable consumers) to receive the benefits of increased renewable electricity supply. These benefits include reduced cost, and increased reliability and quality, of electricity supply, including environmental and health costs.

*ii. regulated entities;*

The granting of the generation licence to MWFPL is consistent with this objective as Granting of the licence will minimise the costs of regulation to MWFPL, and allow other regulated entities such as electricity retailers to access the benefits of increased renewable generation capacity.

**g) Consistency in regulation between States and on a national basis**

The granting of the generation licence to MWFPL is consistent with this objective as MWFPL is bound by the rules set by the Australian Energy Regulator under national energy legislation and rules. Electricity generated by MNWF will be sold into the wholesale spot market. MNWF will also generate large-scale generation certificates (LGCs) under the Renewable Energy (Electricity) Act 2000.

**h) Any matters specified in the empowering instrument**

As per section 10 of the EI Act, the objectives of the Commission include “to promote the development of full retail competition”.

The granting of the generation licence is consistent with these objectives as investment in generation capacity will increase the supply of electricity available to be purchased by retailers, which will increase the viability of retailers and allow them to compete more effectively, therefore promote the development of full retail competition.

### 3. Information on Financial Viability

MWFPL can meet and address the financial viability requirement. Supporting details are provided to ESCV in the Attachments on a commercial-in-confidence basis, but may be summarised as follows:

- MWF is 100% owned by Goldwind (refer Figure 1), a global WTG manufacturer. Goldwind holds more than 38 GW of renewable generation capacity installed globally. Attachment 37 shows the ownership structure of MNWF and that MWFH owns 100% of the ordinary shares in MWF.
- As the end of Dec 31st, 2016, Goldwind's international contract capacity (i.e. capacity outside of China) almost reached 2GW and more than 700 units of WTGs delivered to nearly 20 countries across six continents
- In the year 2016 Goldwind is ranked No.3 in the world for new wind turbine installation capacity, with 6.4 GW newly installed during the year 2016.

#### 3.1 Current balance sheet and financial data

The Balance sheet of MWFPL is provided in attachment 12<sup>5</sup>.

The Balance sheet of MWFHPL is provided in attachment 13<sup>6</sup>.

Please see Attachment 51 for MWF audited financial report for the year ended 31 Dec 2017.

#### 3.2 Annual Report

The annual report of MWFPL and MWFHPL is provided in attachment 14<sup>7</sup>. Please refer section 1.4.6 and 5.1 for other Wind Farm constructed, owned and operated by Goldwind in Australia.

The annual report of parent company Goldwind is attachment 26<sup>8</sup>.

#### 3.3 Credit Rating

Goldwind, the ultimate parent company has the credit rating BBB- which means MWFPL has adequate capacity to meet its financial commitments.

#### 3.4 Statements from internal/external auditors

Independent Auditor's report and Auditor's Independence Declaration to the Directors of MWFHPL from Ernst & Young is provided in the attachment 9 as a part of MWFPL financial report.

Please see Attachment 51 for current auditor's independence declaration and independent auditor's report for the year ended 31 Dec 2017.

#### 3.5 Shareholder register

The Register of Members of MWFPL is attachment 30<sup>10</sup>, and the Register of Members of MWFHPL is attachment 31<sup>11</sup>.

#### 3.6 Certificate of registration

Registration certificate for MWFPL and MWFHPL provided in the attachment 9<sup>12</sup> and 10<sup>13</sup> respectively.

---

<sup>5</sup> Attachment 12 Standard Balance Sheet - MWF

<sup>6</sup> Attachment 13 Standard Balance Sheet - MWFHPL

<sup>7</sup> Attachment 14 MWF\_Financial Report (SIGNED)

<sup>8</sup> Attachment 26 Xinjiang Goldwind Annual Result

<sup>9</sup> Attachment 14 MWF\_Financial Report (SIGNED)

<sup>10</sup> Attachment 30 Register of Members MWFPL

<sup>11</sup> Attachment 31 Register of Members MWFHPL

<sup>12</sup> Attachment 9 Certificate of Registration - MWF

<sup>13</sup> Attachment 10 Certificate of Registration - MWF (Holding)

### **3.7 Statements from banks/financiers, shareholders, the board or the parent Company**

MNWF design and construction is funded by the Goldwind parent company XGST. The sources of funds provided in the letter of comfort and Financial Model (attachment 27<sup>14</sup> and attachment 38) is based on our industry experience and from financing other Australian wind farm projects including SHWF, White Rock Wind Farm and Gullen Range Wind Farm. Funding is generally expected to be in 2 parts, equity (approximately 30% of capital expenditure) and a bank/credit facility (for approximately 70% of capital expenditure).

For more details please refer to tab "Project Overview" in attachment 38 Financial Model Information.

### **3.8 Assurance of sufficient financial resources**

MWFPL assures the commission that it has sufficient financial resources to sustain its operations including meeting all prudential requirements set by AEMO (Credit support letter issued by AEMO and we are in process of issuing the bank guarantee to AEMO) and transmission network service operators.

---

<sup>14</sup> Attachment 27 Financial Model Information

## 4. Information on Technical Capacity

MWFPL will engage the necessary expertise, knowledge and skill base to operate a viable electricity generation business. GWA has a strong track-records of successfully constructing, owning and operating viable wind and solar farms in Australia.

Operation and maintenance of MWF will be provided by GWA via the WOM contract. GWA operates and maintains over 350MW of wind farm generation capacity in Australia. Goldwind utilises over 20 years of experience in all aspects of windfarm development including planning, construction, manufacturing and operation. Goldwind has relevant internal controls, policies and procedures in place to ensure operation and maintenance obligations set in relevant licence conditions, codes, guidelines and rules are met, as evidenced by the attached supporting documents see attachment 16, 17 18 and 19<sup>15</sup>.

### 4.1 Organisational chart of key personnel with details of experience and knowledge

Refer to section 1.3.1 and attachment 8<sup>16</sup>.

### 4.2 Contracts with external service providers

Refer to section 1.3.

### 4.3 Statements from industry bodies and regulators

Refer to section 5.5.

### 4.4 Internal controls, policies and procedures

MWF will be constructed and operated in accordance with the internal controls, policies and procedures of GWA, tailored for the specific requirements of MWF. These policies are consistent with industry standards and best practice.

Internal controls, policies and procedures include:

- Moorabool Wind Farm Environmental Management Plan (See Attachment 15<sup>17</sup>)
- Goldwind Australia HSEQ Risk Management Procedure (See Attachment 23<sup>18</sup>)
- Moorabool North Wind Farm Construction WHS Management Plan (See Attachment 29<sup>19</sup>)
- Goldwind's OH&S Policy (See Attachment 17)

### 4.5 Risk management policies

See Attachments 24 and 25 for details of GWA's risk management process, and risk register respectively. Compliance registers in relation to compliance with planning and generator operational requirements are provided in Attachments 56 and 62 respectively.

The MWF operational management plan (OMP) sets out the operational risk management strategy for the proposed generation activity. Please see Attachment 55 for the MWF OMP.

### 4.6 Australian Financial Services Licence (if applicable)

MWF is not required to obtain an Australian Financial Services Licence as it has no PPA and does not intend to undertake any of the activities which require an Australian Financial Services Licence i.e.:

- provide financial product advice to clients
- deal in a financial product
- make a market for a financial product

---

<sup>15</sup> Attachment 16,17, 18 and 19 (Environment, WHS, quality and privacy policy)

<sup>16</sup> Attachment 8 Summary of directors and key personnel

<sup>17</sup> Attachment 15 Environmental Management Plan

<sup>18</sup> Attachment 23 Risk Management Procedure

<sup>19</sup> Attachment 29 WHS Management Plan MN-PM-PLN-0027

- operate a registered scheme
- provide a custodial or depository service, or
- provide traditional trustee company services

#### 4.7 Complaints register and procedures

MWFPL use Darzin platform for complaint management. Darzin is the stakeholder data management software MWFPL used to record interactions with relevant stakeholders on a per project basis. Please see Attachment 42 for Complaints and Enquiries Policy.

Darzin has the following primary functions:

##### **Complaints register**

Darzin maintain a complaint register for MWFPL. This register may be required for scheduled or unscheduled compliance reporting to the relevant government department and/or be required to be published as a public register on the project website.

##### **Record of historic interactions**

Historic record of interactions with a stakeholder may be required months or years after the interaction has taken place. This may be for compliance reporting purposes, to assist in dispute resolution or to provide a historic context of a stakeholder's relationship with the project. Having a record of the historic interactions assists with the continuity of relations with a stakeholder even if there is a change of project staff.

##### **Database for contact details for stakeholders**

All available contact details for stakeholders, including phone numbers, emails etc. The system also captures key stakeholder information which assists with continuity of relations.

MWFPL will continue to use Darzin as a centralised database for tracking material stakeholder and community interactions during the construction and operational phases of MNWF.

#### 4.8 Privacy statements

MWFPL commits to keeping information collected during the course of the project private and confidential, as described further in Attachment 19 GWA Privacy Policy and Attachment 20 Enquiries and Complaints Handling Plan<sup>20</sup>.

#### 4.9 Document retention policies

MWFPL retains documents in its document management system for durations that meet the statutory retention periods. Please see Attachment 44 for GWA's Control of Records Procedure.

#### 4.10 Industry submissions and results of any research supporting the application

As required by section 3 of the MWF Planning Permit, development plans and management plans have been approved and endorsed by the Minister for Planning.

---

<sup>20</sup> Attachment 19 GWA privacy policy and attachment 20 MB-PM-PLN-0062 MWF Enquiries and Complaints Handling Plan

## 5. Information in support of a generation licence application

### 5.1 Details of experience in and knowledge of the electricity industry

Goldwind WTGs are currently installed in three operational wind farms in Australia: Mortons Lane Wind Farm (19.5MW, located Victoria), Gullen Range Wind Farm (165.5MW, located in southern New South Wales), and the newly commissioned White Rock Wind Farm (170MW, located in northern New South Wales). Each of these wind farms was constructed by GWA as the lead contractor, in accordance with the necessary regulatory requirements.

GWA has established a dedicated local team of highly experienced and qualified operation and maintenance personnel to manage its operating wind farms in Australia. A global logistics network and local supply of strategic spares enables the team to provide fast access to spare parts for our customers. Goldwind operates and maintains approximately 9000 MW of windfarm generation capacity and 38 GW of accumulated installed capacity internationally. Goldwind utilises over 25 years of experience in all aspects of windfarm development including planning, construction, manufacturing and operation. Each wind farm is connected live to the Goldwind Remote Operating Centre – an off-site facility providing real time 24/7 wind farm operations and maintenance monitoring. This enables our technicians the ability to respond to emergency after hour requirements within agreed timeframes. GWA has a national operation and maintenance team comprising of:

- skilled wind turbine technicians
- wind farm operation managers
- high voltage operators
- localised technical support teams
- performance analysts
- warehousing solutions
- real time wind farm monitoring and control
- rapid response programs
- pre-qualified suppliers of goods and services

Goldwind implemented relevant internal controls, policies and procedures to ensure operation and maintenance obligations set in relevant licence conditions, codes, guidelines and rules are met.

### 5.2 A summary of the skills and experience of the directors and senior managers and their relevance to meeting the requirements of the licence

MWFPL's sole director is Ning Chen. Ning has over 10 years relevant experience working in the energy sector in Australia and over 12 years working with the Goldwind group of companies in various roles including:

- Formulate and implement investment strategies and annual plans;
- Establish and perfect investment management system; and
- Provide systematic solutions related to business development, construction, EPC and service.

Ning played an instrumental role in the establishment of Goldwind's business in Australia. He is a key member of the senior management team in Australia and Goldwind International. He is the Vice President and a director of Goldwind Australia Pty Ltd (ACN: 140 108 390) (**GWA**), General Manager and a director of Goldwind Capital (Australia) Pty Ltd (ACN: 142 403 950) (**GWCA**) and Vice President and director of Goldwind International Holdings (HK) Limited (**GWI**).

Ning leads Goldwind's investment & development team in Australia and manages investment, financing, acquisitions and divestments of Goldwind renewable energy projects in the Asia Pacific region, North America, South America and Europe.

See attachment 8 for more key staff details.

### 5.3 Evidence that the applicant has the capacity to comply with the licence conditions, codes and guidelines relevant to its application

MWFPL is confident that it has all necessary expertise to comply with the relevant license conditions, codes and guidelines. The Skills and Experience of Key Personnel, Internal Controls, Policies and Procedures (Attachment 8,16,17 and 18) show the relevance and breadth of experience of the team responsible for MNWF.

#### **5.4 Evidence of any interactions or preliminary registration with AEMO**

On 17th Oct 2018 MWFIC lodged a Generator Registration Application with AEMO and on 24th Oct 2018 AEMO confirmed registration of MWFIC as an intending Market participant in respect to MNWF and MSWF.

MWFIC progressed expressively with AEMO registration application with positive expectation of registering MWFIC with AEMO by March 2019.

#### **5.5 Relationships between supporting organisations**

Section 1.3 shows the contractual relationships between the supporting organisations.

#### **5.6 Confirmation that all planning and environmental approvals have been completed**

MWF has received Planning Approval from the Minister for Planning in 2010, which was subsequently amended in 2016 and 2018. Please see Attachment 36 for the amended planning permit issued by Department of Environment, Land, Water and Planning (DELWP) on 19th March 2018.

Acting in accordance with condition 3 of the Planning Permit, the development and management plans required by the planning permit have been approved. Please see attachment 21, 22 and 40 for the endorsed development and management plans.

The following planning and environmental approvals associated with the 132kV transmission line have also been granted.

- EPBC referral decision associated with the OHL - see Attachment 61.
- The use and develop of a minor utility installation (wires -no poles) over a Public Conservation and Recreation Zone (PCRZ) - see attachment 52.
- Removal of native vegetation associated with a minor utility installation - see Attachment 53.
- Transmission line Cultural Heritage Management Plan - see Attachment 35.

#### **5.7 Risk, governance and compliance management and strategies**

MWFPL has in place risk, governance and compliance management procedures. All risks, including compliance with laws, regulations and permit/licence conditions, are managed under the MWF Risk Management Plan/Procedures in accordance with ISO 31000:2009(E) and Goldwind's internal controls, policies and procedures. For details of MWF governance policies see Attachment 23 – HSEQ Risk Management Procedure and Attachment 24 -Risk Register.

#### **5.8 Evidence that demonstrates that the entity can successfully operate a business within the electricity industry**

Goldwind as the ultimate shareholder of MWFPL and GWA as the operator of MWFPL, have strong track records of successfully operating businesses in the electricity industry. Refer to section 1.1 for details of GWA's track-records of successfully operating in the Australian electricity industry.

## 6. List of attachments

The attachments below marked commercial-in-confidence are excluded from the public due to the commercially sensitive or confidential information contained therein.

- Attachment 1** Moorabool Wind Farm Interface Deed (commercial-in-confidence)
- Attachment 2** Not used
- Attachment 3** Not used
- Attachment 4** Not used
- Attachment 5** Not used
- Attachment 6** Not used
- Attachment 7** Not used
- Attachment 8** Summary of directors and key personnel (commercial-in-confidence)
- Attachment 9** Certificate of Registration - MWFPL
- Attachment 10** Certificate of Registration - MWFHPL
- Attachment 11** Appendix A 2.16 corrected Planning Permit 05102017
- Attachment 12** Standard Balance Sheet – MWFPL (commercial-in-confidence)
- Attachment 13** Standard Balance Sheet - MWFHPL (commercial-in-confidence)
- Attachment 14** MWFPL and MWFHPL\_Financial Report (SIGNED) (commercial-in-confidence)
- Attachment 15** Environmental Management Plan (commercial-in-confidence)
- Attachment 16** Environmental Policy (commercial-in-confidence)
- Attachment 17** WHS Policy (commercial-in-confidence)
- Attachment 18** Quality Policy (commercial-in-confidence)
- Attachment 19** Privacy Policy
- Attachment 20** MB-PM-PLN-0062 MWF Enquiries and Complaints Handling Plan
- Attachment 21** Stage 1A endorsed Development Plans
- Attachment 22** MNWF Stage One B endorsed Development Plans
- Attachment 23** Goldwind Australia HSEQ Risk Management Procedure (commercial-in-confidence)
- Attachment 24** Risk Register (commercial-in-confidence)
- Attachment 25** Risk Assessment Report
- Attachment 26** Xinjiang Goldwind Annual Result
- Attachment 27** Financial Model Information (commercial-in-confidence)
- Attachment 28** Constitution - Moorabool Wind Farm Pty Ltd (commercial-in-confidence)
- Attachment 29** Goldwind Workplace Health and Safety Management Plan for MWF
- Attachment 30** MWFPL Register of Members
- Attachment 31** MWFHPL Register of Members

- Attachment 32** Constitution – MWFHPL
- Attachment 33** Generation Licence – SHWF
- Attachment 34** Land Agreements (commercial-in-confidence)
- Attachment 35** OHPL CHMP Approval
- Attachment 36** Moorabool WF permit amendment
- Attachment 37** MNWF Share Structure
- Attachment 38** Financial Model Enquired Information - MN 180416-v1 (commercial-in-confidence)
- Attachment 39** Not used
- Attachment 40** Endorsed MNWF management plans
- Attachment 41** Not used
- Attachment 42** Complaints and Enquiries Policy
- Attachment 44** Control of Records Procedure
- Attachment 45** Crown land consent
- Attachment 46** DELWP Consent along PCRZ
- Attachment 47** Moorabool - UoSA (commercial-in-confidence)
- Attachment 48** Project Agreement (commercial-in-confidence)
- Attachment 49** CSA (commercial-in-confidence)
- Attachment 50** Amended PCD (commercial-in-confidence)
- Attachment 51** Moorabool Wind Farm Financial Report (commercial-in-confidence)
- Attachment 52** PCRZ Permit
- Attachment 53** Permit PA1700307 - 14.05.2018 NV removal for OHL
- Attachment 54** Moorabool North Wind Farm - EPC Contract (commercial-in-confidence)
- Attachment 55** MWF Operational Management Plan
- Attachment 56** MWF Compliance Register - Planning (commercial-in-confidence)
- Attachment 57** Not used
- Attachment 58** Not used
- Attachment 59** Not used
- Attachment 60** Not used
- Attachment 61** EPBC Referral OHL
- Attachment 62** Compliance Register (commercial-in-confidence)
- Attachment 63** MNWF WOM Contract (commercial-in-confidence)

## 7. Statutory Declaration

I, Ning Chen of

Suite 2, Level 23, 201 Elizabeth Street, Sydney NSW 2000

being the sole director and sole company secretary

of the Applicant, Moorabool Wind Farm Pty Ltd (ACN: 135 829 846) Hereby DECLARE that the information contained in this application, and attachments thereto upon which I have placed my signature, for the grant of a Electricity Generation licence under the Electricity Industry Act 2001 is true and correct and that I make this declaration conscientiously believing the same to be true and in the belief that a person making a false declaration is liable to the penalties of perjury.

Declared at Sydney in the State of New South Wales



Signature of Declarant

This day of 11 day of Feb 2018~~9~~

Before me, Navneet Sharma  
(A person authorised by section 107A of the Evidence Act 1958 (Vic))



Signature of Witness