Application form for the issue of an Electricity Generation Licence

by the Essential Services Commission of SA under the Electricity Act 1996

August 2017
Enquiries concerning this application form should be addressed to:

Essential Services Commission
GPO Box 2605
Adelaide SA 5001

Telephone: (08) 8463 4444
Freecall: 1800 633 592 (SA and mobiles only)
E-mail: escosa@escosa.sa.gov.au
Web: www.escosa.sa.gov.au

The Essential Services Commission is an independent statutory authority with functions in a range of essential services including water, sewerage, electricity, gas, rail and maritime services, and also has a general advisory function on economic matters. For more information, please visit www.escosa.sa.gov.au.
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Licence requirements and conditions

It is essential that licence applicants read the Essential Services Commission’s (Commission) Advisory Bulletin No 4 – “Licensing Arrangements for the Electricity and Gas Supply Industries” before they fill out this form. This Bulletin is available on the Commission website www.escosa.sa.gov.au under electricity/licensing.

Generation operations which require a licence

Section 15(2)(a) of the Electricity Act 1996 (Act)\(^1\) is explicit in that it requires a person that carries on the operation of the generation of electricity to hold a licence. This requirement applies to all generators with the exception of a generator that can rely on:

1. one of the statutory exemptions specified in the Electricity (General) Regulations 1997 (Regulations) outlined below;
2. an individual exemption issued by the Commission (with the approval of the Minister) pursuant to section 80(1) of the Act; or
3. an exemption made by Governor under a regulation pursuant to section 98(2)(e) of the Act.

Pursuant to Regulations 6(1) and (2), the following generators are exempt from the requirement to hold a generation licence:

- a generator whose generating plant has a rated nameplate output of 100kVA or less;
- a generator that does not supply electricity for reward to or by means of a transmission or distribution network;
- a generator that generates electricity for the sole consumption of that generator or a designated body (such bodies must be designated by the Minister\(^2\)); or
- a generator that generates electricity for a person at a premises occupied or used by the person as a tenant or licensee (whether directly or indirectly) of the generator (or a designated body) where that person is not charged for the supply of electricity except by a licensed retailer/generator or as an unspecified part of rent or charges for the occupation or use of the premises.

It is important for generators (or proposed generators) to carefully consider whether they can rely on a statutory exemption from the requirement to be licensed. If the reliance on a statutory exemption is queried by the Commission, the onus to provide evidence that a particular exemption can be relied upon is on the relevant generator.

In addition, in the event that the operations of a generator change so that it can no longer rely on one of the three exemptions specified above, it will need to apply to the Commission for a generation licence immediately in order to continue those operations.

Mandatory licence conditions

Sections 21(1) and 22 of the Act requires the Commission to place certain mandatory conditions in generation licences. The Commission strongly recommends that applicants review these mandatory conditions. Applicants must be familiar with the relevant conditions and confident that they can comply with the conditions.

Additional technical licence conditions

Additional technical licence conditions apply to apply to all new electricity generators seeking to connect to the South Australian power system. Applicants for a generation licence should familiarise themselves with the

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2. To date, the Minister for Energy and Resources has not designated any bodies for the purposes of Regulations 6(1).
Commission’s Inquiry into the licensing arrangements for generators in South Australia final report, available on the Commissions website.³

Model licence conditions reflecting the Inquiry findings and conclusions have been developed and are available in Appendix 1. The model conditions will be applicable to all new applications, having regard to advice from the Australian Energy Market Operator (AEMO) on the specific circumstances of individual applications received.

Depending on the specific characteristics of a given generation project, the model conditions may be varied to the degree necessary to ensure that South Australian consumers’ long-term interests with respect to the price, quality and reliability of electricity services are protected.

**Annual licence fees**

Holding a licence incurs annual licence fees. The licence fees determined by the Minister for Resources and Energy are administered by the Commission. At annual intervals, the Commission, on behalf of the Minister, will send to each licensee, depending on the category within the sector, an invoice for the licence fee. Licence fees are to be paid on receipt of an invoice via one of the payment options set out in the invoice.

The initial licence will not be issued until the first annual licence fee (or approved licence fee instalment) has been paid.

How to apply for a generation licence

This form is to be completed by persons making application to the Commission for the issue of a licence to authorise electricity generation operations in the electricity supply industry in South Australia.

The Commission can also consider joint applications from two or more persons who wish to hold a licence jointly. Persons making joint applications must ensure that each of the applicants completes a separate application form, together with a covering letter explaining that the application is for a licence to be jointly held.

Section 16(1)(a) of the Act provides that an application for the issue of a licence must be made to the Commission in a form approved by the Commission. This is the form approved by the Commission.

Use of this form and applicant’s responsibilities

An application for a licence may be made by any legal person including, without limitation, individuals, partnerships, incorporated associations, unit and other forms of trusts and corporations. Entities that are not a legal person (for example, an unincorporated joint venture) cannot apply for a licence.

For the purpose of this application form, reference to the term “Officer” include the applicant’s directors and secretary, and other persons who make or participate in making decisions that affect a substantial part of the business of the applicant (e.g. Chief Executive Officer, Chief Financial Officer, General Manager etc.).

Applicants should list the information requested in the spaces provided in this form and enclose additional information when required. Applicants must take all reasonable steps to ensure the information provided in the application form is complete, true and correct and are required to make a declaration to that effect in the application form. Failure to disclose information or misrepresent any matter relevant to such information may result in a licence not being issued or in the suspension or cancellation of a licence at a later time.

Applicants are responsible for providing the Commission with current, accurate and relevant documentation. This will ensure that the application is processed promptly and without delay. All applications are assessed on a case-by-case basis. If insufficient information is provided with an application, the Commission will request additional information to be submitted before the application is considered further.

Application fees

Applicants should also enclose the application fee (presently set by the Minister for Resources and Energy at $1,000 per licence) with their application.

How to lodge an application

Applicants should send their completed application form in writing and electronically.

► In writing to: Essential Services Commission of SA
   GPO Box 2605
   Adelaide SA 5001

► Electronically to: licensing@escosa.sa.gov.au

Consultation and Confidentiality

The Commission will consult with relevant government, industry and consumer groups in the conduct of its licensing functions through a public consultation process. Consequently, applications and/or supporting information will be made available on the Commission’s website and in hard copy from the Commission’s office for this purpose.
If applicants believe that they are providing confidential information when completing this form they should write “this information is confidential” after any such information. It is the applicant’s responsibility to ensure this is clearly highlighted on the form. Applicants should also provide a ‘non-confidential’ version of the form capable of publication on the Commission’s website.

The Commission will use information supplied in applications and in support of applications in accordance with the requirements of Part 5 of the Essential Services Commission Act 2002. Applicants claiming confidentiality are encouraged to familiarise themselves with Part 5. Applicants should note that the Commission may disclose confidential information in some circumstances.

**Further information**

Applicants should note that the Commission may ask applicants who have submitted an application form to provide further information to the Commission, or to clarify the information that they have already provided if required.

Please note that, in the event that an application lacks sufficient detail and the Commission is required to request additional information from an applicant, delays in the assessment of the application may occur.
Licence Application Form

1 The Applicant

Applicants must answer all questions in this section.

1.1 Identity of Applicant

State the full name of the applicant. The applicant is the person who will be undertaking the electricity generation operations that will be the subject of the licence. Joint applicants should each complete an application form, and submit their application forms at the same time, with a covering letter explaining that a joint application is being made.

Name: Lincoln Gap Wind Farm Pty Ltd (ACN: 133 372 595)

1.2 Legal Identity of Applicant

Provide information about the applicant, (i.e. whether the applicant is a natural person, private limited company or partnership, etc). If the applicant is a body corporate, please also state the jurisdiction in which the applicant is registered, and the applicant’s ABN/ACN.

Lincoln Gap Wind Farm Pty Ltd (ABN: 52 133 372 595) (“LGWF”) is a proprietary company limited by shares and is registered in Victoria.

1.3 Address and Contact Details of Applicant

<table>
<thead>
<tr>
<th>Business Address</th>
<th>Suite 4.06, 448 St Kilda Rd, Melbourne</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>VIC</td>
</tr>
<tr>
<td>Postal Code</td>
<td>3004</td>
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</tbody>
</table>

| Postal Address (if different to Business Address): |

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<tr>
<th>State</th>
<th>Post Code</th>
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<table>
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<tr>
<th>Telephone</th>
<th>+61 (3) 9088 6467</th>
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<td>Facsimile</td>
<td>+61 (3) 9088 1256</td>
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<tr>
<th>E-mail</th>
<th><a href="mailto:Palak.Trivedi@Nexif.com">Palak.Trivedi@Nexif.com</a></th>
</tr>
</thead>
</table>

1.4 Contact Person on behalf of Applicant

The full name, title and contact details of a person to whom the Commission can direct enquiries and correspondence about the application.

<table>
<thead>
<tr>
<th>Full Name</th>
<th>Palak Trivedi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>Manager</td>
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</table>

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1.5 **Contact Person for Licence Fees**

The full name and/or title of the person to whom the Commission can direct enquiries and correspondence about licence fees.

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<td>+61 (3) 9088 1256</td>
</tr>
</tbody>
</table>

E-mail: Palak.Trivedi@Nexif.com

1.6 **Diagram of Corporate or other Structure**

Please attach with this application form details of the corporate or other structure, including details of any related companies within the meaning of the Corporations Act 2001; and a diagram of the organisational chart, including composition of the board, management and other key personnel responsible for the key functions of the business.

Lincoln Gap Wind Farm Pty Ltd (“LGWF”) is established as an indirect subsidiary of Nexif Energy Holdings BV (“Nexif Energy”) to undertake the construction, operation and maintenance of Lincoln Gap Wind Farm (“the wind farm”). Nexif Energy is a joint venture company established by a subsidiary of Nexif Pte Ltd (“Nexif”) and two funds managed by Denham Capital Management LP (“Denham Capital”) to develop, finance, construct and opportunistically acquire conventional and renewable power generation assets across Southeast Asia and Australia.

Nexif is a Singapore incorporated independent power management company established by experienced professionals with a proven track record at global and regional power companies in the development, financing, acquisition, restructuring, construction and operation of conventional and renewable power projects. Denham Capital is a leading energy and resources-focused global private equity firm with more than US $9 billion of invested and committed capital across eight fund vehicles with offices in London, Boston, Houston and Perth.

The current structure of LGWF is attached below (Figure 1). Before financial close and commencement of project construction, the companies will be re-organised into the final structure shown in Figure 2. Post re-organization, Nexif Energy will provide the funds from shareholder equity contributions to LGWF through Nexif Energy Australia Holdings BV, Lincoln Gap Property Pty Ltd and Lincoln Gap Wind Farm Property Holdings Pty Ltd.
Figure 1: Current Corporate Structure

Figure 2: Final Corporate Structure (post re-organisation)
The operations of LGWF will be managed by Nexif Energy Australia Management Pty Ltd (“NEAM”) via an Asset Management Agreement. The organisation chart is shown below.

**Figure 3: Organisation Chart**

Four board directors have been appointed for LGWF as follows:

- Mr. Matthew Leslie Bartley
- Mr. Srinivasa Rao Allena
- Mr. Zeki Akbas
- Ms. Su Lin Ong
Profiles of key people in Australia and overseas are detailed hereafter:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Location</th>
<th>Experience</th>
<th>Education</th>
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<tbody>
<tr>
<td>Matthew Leslie Bartley</td>
<td>Co-Founder and Co-CEO of Nexif</td>
<td>Based in Singapore</td>
<td>Matt has over 20 years’ experience in development, financing, construction, acquisition and sale of power generation projects.</td>
<td>He holds a Bachelor of Engineering (Mechanical) from the Queensland University of Technology and graduated with honors in 1988. He also attended the senior management program at Darden School, University of Virginia, USA.</td>
</tr>
<tr>
<td>Srinivasa Rao Allena</td>
<td>EVP – Projects &amp; Operations, Nexif Energy</td>
<td>Based in Singapore</td>
<td>Srinivasa has 32 years of experience in global power project development, financing, engineering, construction and operations. Of which, he has worked 15 years with AES, a global power company, in various positions including Managing Director Engineering and Construction (Asia &amp; Middle East). Srinivasa worked in India, Sri Lanka, South East Asia, Australia and Middle East Markets in AES and was responsible for operational turnaround of OPGC and completion of East Amman Project construction on time and under budget. His last assignment with AES was Country Manager, India where he successfully led development and achieved Financial Closure of the 1320 MW coal based platform expansion project with 2 captive coal mines and took the project into construction. Other positions held include: President of New Business at CESC Ltd India GM, Commercial at Reliance Power NTPC</td>
<td>Srinivasa has a Bachelor of Technology from College of Engineering, Anantapur, Jawaharlal Nehru Technological University, Hyderabad. He also attended the senior management program at Darden School, University of Virginia, USA.</td>
</tr>
<tr>
<td>Zeki Akbas</td>
<td>CEO - Lincoln Gap Wind Farm Pty Ltd</td>
<td>Based in Melbourne</td>
<td>Zeki has more than 25 years of experience in electricity and gas markets in Australia and SE Asia in trading, risk management, hedging, senior</td>
<td></td>
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</table>
Zeki managed the wholesale energy division of TRUenergy with 3,800MW generation, Iona underground gas storage facility and more than a million residential customers. He was a key member of a number of M&A teams under the TXU ownership including the successful acquisition of 1,280MW Torrens Island Power Station in South Australia.

Zeki has a Master of Business Administration (MBA) from Melbourne Business School and MSc/BSc in engineering.

Paul Villiers

Project Director – Lincoln Gap Wind Farm Pty Ltd
Based in Melbourne
Paul has over 29 years of experience in the EPC and renewable energy sector. He has broad experience in both wind and gas projects and has successfully completed some of the largest wind farms built in Australia. Some of the notable projects delivered include:

- Lake Bonney Wind Farm Stage 2 (53 x 3MW)
- Mortlake Power Station – OCGT (560MW)
- Snowtown Wind Farm Stage 2 (90x3 MW)
- Diamantina Power Station CCPP (240MW)
- Hornsdale Wind Farm – Stage 1 (32 x 3.2MW)
- Hornsdale Wind Farm – Stage 2 (32 x 3.2MW)
- Hornsdale Wind Farm – Stage 3 (37 x 3.2MW)

Paul has a Bachelor of Engineering (Electrical) and MBA.

2 The Licence

Applicants must answer all questions in this section.

2.1 Date from which Licence is sought

Applicants should usually allow the Commission a minimum of 12 weeks to consider an application, as a public consultation period of at least four weeks forms part of the Commission’s consideration of licence applications. If the applicant seeks to have the licence issued by a certain date, provide this date. Please note that the Commission does not undertake to issue the licence by this date.

**LGWF seeks to have the Licence as soon as possible and in any event no later than 1 February 2018.**

2.2 Nature and scope of operations for which Licence is sought

Applicants for a generation licence must state the location of the generation plant, the expected name plate capacity of the generation plant, the type of generation and fuel used and some details about how the generator is to be connected to the network. Applicants for a wind generation licence must attach a map showing the location of the wind turbines.
LGWF proposes to operate the wind farm which is located approximately 15km to the west of Port Augusta in the locality of Lincoln Gap, South Australia – refer to the site location maps attached as Annexure A and B.

The wind farm consists of 59 wind turbines with a total capacity of 212.4 MW.

The wind farm will be connected to the 275kV Davenport-Cultana transmission network through the new Corraberra Hill 275kV substation to be constructed by ElectraNet.
3 Suitability of applicant to hold a licence

Applicants must answer all questions in this section.

3.1 Standard of honesty and integrity shown by Applicant

In deciding whether the applicant is a suitable person to hold a licence, the Commission may:

- consider the applicant’s previous commercial and other dealings, and
- the standard of honesty and integrity shown in those dealings.

Please provide information that will assist the Commission in its consideration of this matter. If the applicant:

- has been found guilty of any criminal offence,
- has been successfully prosecuted under any Territory, State or Commonwealth legislation (such as the Australian Securities and Investments Commission Act 2001 or the Competition and Consumer Act 2010) or
- has been the subject of disciplinary action,
- has been the subject of any past or present administrative or legal actions in relation to an authorisation, authority, or licence in any industry,

details of such matters must be disclosed. Failure to disclose such information or misrepresent any matter relevant to such information may result in the cancellation of a licence.

The Commission may use the service of an external expert to assist with the assessment of the applicant’s standard of honesty and integrity.

LGWF was registered under the Corporations Act 2001. It is the “Special Purpose Vehicle” dedicated to construction, operation and maintenance of the wind farm.

With Nexif Energy as the shareholder, LGWF has access to significant expertise and knowledge of the Nexif team for both construction and operation activities of electricity generation infrastructure. Please refer to section 1.6 for a corporate structure diagram.

Nexif and LGWF’s management and personnel are at all times expected to act lawfully and with integrity and professionalism in all activities both internally and externally. LGWF at all times endures to conduct its business according to the highest ethical standards.

The business of Nexif Energy and all of its subsidiaries is governed by the group’s code of ethics and professional conduct.

Nexif Energy, Nexif Energy Australia Holdings BV, LGWF and its related entities have not committed any offences against, or been prosecuted under any Territory, State or Commonwealth legislation in Australia.

3.2 Standard of honesty and integrity shown by Officers and major shareholders of Applicant

Applicants should address responses to this question in the same manner as 3.1 above except here it relates to officers and major shareholders of the applicant.

Please also supply details of any policies and procedures addressing the probity and competence of officers and other key management staff.
None of the company officers listed in section 3.3 have displayed any prior misconduct, or experienced refusal or suspension from licensing or professional membership.

None of Nexif Energy, Nexif Energy Australia Holdings, LGWF and their related companies have breached any statutory obligations, committed any criminal or civil offence or been successfully prosecuted under any applicable legislation in its operating jurisdiction.

None of LGWF’s directors have been disqualified from managing corporations or incurred any civil penalties under the Corporations Act 2001.

None of the officers have an actual or potential conflict of interest that may impact their ability to carry out their role in the best interest of the applicant.

LGWF, through the proposed structure, has demonstrated competence and experience in managing a generation business.

Nexif and LGWF’s management and personnel are at all times expected to act lawfully and with integrity and professionalism in all activities both internally and externally. The company at all times endures to conduct its business according to the highest ethical standards in accordance with the code of ethics and professional conduct.

### 3.3 Names and addresses of the Officers of Applicant

State the names and addresses of the officers of the applicant. “Officers” of the applicant include the applicant’s directors and secretary, and other persons who make or participate in making decisions that affect a substantial part of the business of the applicant.

- **Full Name**: Matthew Leslie Bartley  
  **Office Held**: Director

- **Full Name**: Srinivasa Rao Allena  
  **Office Held**: Director

- **Full Name**: Zeki Akbas  
  **Office Held**: Director

- **Full Name**: Su Lin Ong  
  **Office Held**: Director
3.4 Names and addresses of major shareholders of Applicant

Name: Nexif Energy Holdings B.V.
Date of Birth (if applicable): N/A
Office Held (if applicable): N/A
Address: Prins Bernhardplein 200
State: Amsterdam, Netherlands
Post Code: 1097 JB

3.5 Details of the group members

This is information about entities controlled by the applicant, or by the ultimate parent entity of the applicant (if applicable).

Please refer to section 1.6 which contains a diagram of the entities which are a part of the group and are controlled by the ultimate parent company.

3.6 Additional information

Please answer the following questions.

► Is the applicant a resident of, or does it have permanent establishment in, Australia? Where the answer to this question is no, please provide further detail.

Yes
► Is the applicant under external administration (as defined in the Corporations Act 2001) or under a similar form of administration under any laws applicable to it in any jurisdiction? Where the answer to this question is yes, please provide further detail.

No
► Is the applicant immune from suit in respect of the obligations under the Electricity Act 1996? Where the answer to this question is yes, please provide further detail.

No
► Is the applicant capable of being sued in its own name in a court of Australia? Where the answer to this question is no, please provide further detail.

Yes

(attach additional pages if necessary)

3.7 Financial resources available to the Applicant

Provide information about the financial resources available to the applicant. If the applicant is a company, please also enclose:

► copies of all audited profit and loss statements and balance sheets for the last three financial years (including all notes), and

► director’s declaration that the financial statements comply with accounting standards, give a true and fair view, have been made in accordance with the Corporations Act and that there are reasonable grounds to believe the company/entity will be able to pay its debts as and when they fall due; and
the director’s report and the audit opinion.

If the applicant is a subsidiary company, please also provide:

copies of all audited profit and loss statements and balance sheets of the applicant’s parent company for up to the last three financial years.

The applicant should also submit copies of:

its business plans including at least strategic direction and objectives, identified opportunities in the market place and forecast results; and

evidence of capital and liquidity support in place, including any bank or cross guarantees, to support the business and evidence of negotiations with the network service provider concerning credit support arrangements.

LGWF was acquired by a subsidiary of Nexif Energy, Nexif Energy Australia Holdings BV, in December 2016. Please refer to Annexure C for the audited financial statement of LGWF for the period ending 31 December 2016 (CONFIDENTIAL - provided to the Commission in confidence - MUST NOT BE PUBLISHED)

In addition to the Lincoln Gap wind farm project, Nexif Energy has ambitious plans to expand its portfolio in Australia where it is currently evaluating development and acquisition of more than 1000 MW of renewables and conventional thermal projects.

Nexif Energy is funded by two Funds managed by Denham Capital that together own more than 97% of Nexif Energy. Required approvals have been obtained from the said Funds to invest required equity for the wind farm. Please refer to Annexure D for the audited financial statement of Denham Capital for the period ending 31 December 2016 (CONFIDENTIAL - provided to the Commission in confidence - MUST NOT BE PUBLISHED).

The equity will be funded by Nexif Energy to the applicant via the related companies set out in Figure 2 in section 1.6 above. The balance of the capital required to finance the wind farm’s construction and working capital will be provided under secured financing facilities.

3.8 Additional Details of Structure of Applicant

If the applicant is part of a group of related companies, and/or party to a partnership, joint venture or alliance agreement with another company, please provide:

contractual arrangements (e.g. alliance contracts, associate contracts, establishment contracts) that define relationships within the group – including shared resources, guarantees, revenue flows, obligations and or responsibilities.

Details of the key contractual arrangements with LGWF is shown in the figure below.
Key Entities:

a) LGWF: Construction, operation and maintenance of the wind farm will be undertaken by this entity. LGWF will enter into all the key contracts (as shown in Figure 4) with different counterparties.

b) Lincoln Gap Wind Farm (Operations) Pty Ltd: This entity will be registered as the Market Participant with AEMO and undertake all the trading activities. It will enter into a Capacity Agreement with LGWF for purchasing the electricity generated by LGWF and on-selling the electricity to retailers and other counterparties.

c) NEAM: This entity will provide the services and personnel required to manage the business activities of both companies (LGWF and Lincoln Gap Wind Farm (Operations) Pty Ltd). There are two Asset Management Agreements with NEAM and the two companies to provide asset services regarding operational functions with respect to the wind farm facility.

Description of Key Contracts

a) Syndicated Facility Agreement: Debt finance facilities for the construction and working capital requirements of the wind farm.

b) Transmission Connection Agreement: Agreement with ElectraNet Pty Ltd (“ElectraNet”) for connection of the wind farm to the 275 kV Davenport-Cultana Transmission Network. Please refer to Annexure E for evidence of the signed agreement (CONFIDENTIAL).

c) EPC Contract: An Engineering Procurement and Construction (“EPC”) Agreement with Senvion Gmbh (“Senvion”) and Senvion Australia Pty Ltd (“Senvion Australia”)
(Collectively “EPC Contractors”) for the construction of the wind farm on a turnkey basis. Please refer to Annexure F for evidence of the signed agreement (CONFIDENTIAL).

d) **MSA Contract:** Maintenance Services Agreement (“MSA”) with Senvion for the provision of all maintenance requirements of the Lincoln Gap Wind Farm. Please refer to Annexure G for evidence of the signed agreement (CONFIDENTIAL).

e) **Land Lease:** Lease agreement for the wind farm land.

f) **Asset Management Agreement:** Provisions of services and personnel to manage the business activities of LGWF.

g) **Capacity Agreement:** Agreement for the sale of all electricity and green products produced by the LGWF to Lincoln Gap Wind Farm (Operations) Pty Ltd.

3.9 **Human resources available to the Applicant**

Provide information about the human resources available to the applicant. This includes:

- the experience and qualifications of those employees outlined in the organisational chart (see point 1.6); and

- if the applicant will employ contractor/s to assist with the licensed operations, the name of that contractor/s, details about the experience of the contractor/s in such operations and details of the processes in place to ensure the contractor/s complies with the regulatory obligations imposed by the licence.

The applicant will draw on the extensively experienced team provided pursuant to the Asset Management Agreement with its affiliate NEAM (see details provided earlier in section 1.6) in managing utility scale power and wind farm projects and will be directly monitoring the wind farm’s construction, generation, operations and maintenance related activities.

Under the terms of the 15-year Maintenance Services Agreement (MSA), Senvion and its subcontractors will be responsible for providing suitably qualified and experienced personnel and technical experts to operate and maintain the wind farm.

Under the terms of the MSA, Senvion is required to adhere to all laws and regulations applicable to operations of the wind farm which includes the licence conditions. LGWF will closely monitor compliance by Senvion with the license requirements.

3.10 **Technical resources available to the Applicant**

Applicants for a generation licence are asked to provide details about the availability of technical resources to be used in carrying out the operations for which a licence is sought. The information should include details about the technically qualified staff available to the applicant and (if relevant) details of experience gained in similar operations.

Where applicants are relying on a third party to provide staff and resources to meet the technical requirements of the generation licence, please provide:

- a list of all functions and activities being proposed to outsource;

- details of any formal agreement/s to provide services, including confirmation that the third party possess relevant technical competencies to conduct the proposed activities;
a summary of the third party’s technical capacity to meet relevant obligations, including relevant accreditations; and

a summary of the third party’s experience and knowledge in the relevant area.

The construction of the wind farm will be managed by a project management team led by Paul Villiers and backed-up by external consultants/contractors to oversee the construction of the wind farm and the ongoing operation and maintenance activities.

GHD Pty Ltd, one of the world’s leading professional services companies in the energy sector, has been appointed to serve as Owner’s Engineer.

The wind turbine supplier (Senvion) is appointed as the turnkey construction contractor for the wind farm under the EPC Agreement. As the original equipment manufacturer, Senvion will also ensure that their equipment is operated and maintained in accordance with their own specifications via the 15-year Maintenance Services Agreement.

Senvion has experienced maintenance teams operating worldwide as well as in Australia, with more than 7,300 wind turbine generators installations globally totalling a capacity of 15.8 GW of which Senvion has installed and maintains around 440MW of capacity in Australia. Below is the list of some Wind Farms built and maintained by Senvion in Australia include:

- 3075 MW Cullerin Range Wind Farm in New South Wales, Australia
- 106.6MW Bald Hills Wind Farm in South Gippsland, Victoria
- 131.2MW Mt Mercer Wind Farm in Victoria, Australia
- 58MW Portland Wind Energy Project Stage II in Victoria, Australia
- 44MW Portland Wind Energy Project Stage III in Victoria, Australia
- 47.15MW Portland Wind Energy Project Stage IV in Victoria Australia

3.11 Quality of Electricity Produced/Connection Agreement

The Commission may not issue a generation licence unless it is satisfied that the generating plant (or proposed generating plant) will generate electricity of the appropriate quality for the relevant transmission or distribution network. The Commission will be satisfied that the electricity is of an appropriate quality if the applicant has entered into a connection agreement which meets the Commission’s technical requirements with the licensed operator of the relevant transmission or distribution network. Applicants are therefore required to submit a copy of such a connection agreement.

LGWF has entered into a Transmission Connection Agreement (“TCA”) with ElectraNet dated 21 September 2017.

3.12 Risk Management

Provide confirmation and reasonable evidence that the applicant’s management has identified the risks associated with electricity operations and has established, utilises and relies upon risk management systems and processes which are adequate, accurate and current to address those risks. A copy of the applicant’s risk management strategy should be submitted.

LGWF will undertake a comprehensive risk assessment study associated with the wind farm operations and will develop a risk management framework (including the risk management policy) with systems and responsibilities.
3.13 Development Act Approval

Please advise if the applicant has or is applying for approval under the Development Act 1993 (SA). If so, provide details, including the date on which approval was or will be granted.

Development approval was granted in relation to the Lincoln Gap Wind Farm on 22 March 2017 (development numbers: 010/U032/15 R1 and 010/0011/06 V2 R1) – please refer to Annexure H (CONFIDENTIAL).

3.14 Registration with AEMO

Please advise if the applicant will apply to register with AEMO. If so, provide details. Applicants for a wind generation licence should note that registration as a semi-scheduled market participant is required for all new generators and all expansions to existing wind generation plant.

A Generator Performance Standards (“GPS”) letter of acceptance for the wind farm was issued by AEMO dated 3 July 2017. As Lincoln Gap Wind Farm (Operations) Pty Ltd will be undertaking the trading activities of the wind farm, AEMO registration will be obtained in the name of Lincoln Gap Wind Farm (Operations) Pty Ltd.

Lincoln Gap Wind Farm (Operations) Pty Ltd have initiated the AEMO registration process to be a Market Participant.

3.15 Licences held by the Applicant in other Australian jurisdictions.

If the applicant holds, or has previously held, electricity and/or gas licences in other Australian jurisdictions please provide details. If a licence previously held has been suspended or cancelled, please provide details.

The applicant does not hold any electricity licences in any Australian jurisdiction

3.16 Previous unsuccessful licence applications in other Australian jurisdictions

Please state whether the applicant has applied for an electricity or gas licence in another Australian jurisdiction and not been issued with a licence, and provide details if relevant.

The applicant has not previously applied for any electricity licences anywhere in Australia.

3.17 Licences held by Associates of the Applicant

If an associate of the applicant (within the meaning of the Corporations Act) holds an electricity or gas licence in South Australia or in other Australian jurisdictions, please provide details.

N/A

3.18 Compliance Plans

Applicants are required to submit a copy of their Compliance Plan which demonstrates how the compliance systems the applicant has (or will have) in place will ensure compliance with all of the applicable regulatory obligations imposed by the relevant licence.

LGWF is in the process of establishing a compliance framework to manage its operations. Compliance responsibilities will be included in the portfolio of the asset manager.
3.19 Additional Information

The Commission encourages applicants to provide any additional information they consider would be of assistance in supporting the application. Please provide below.

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4 Factors specified in the Essential Services Commission Act 2002

In considering a licence application, the Commission must have as its primary objective protection of the long term interests of consumers with respect to the price, quality and reliability of electricity supply, and must also have regard to the need to:

(a) promote competitive and fair market conduct;
(b) prevent misuse of monopoly or market power;
(c) facilitate entry into relevant markets;
(d) promote economic efficiency;
(e) ensure consumers benefit from competition and efficiency;
(f) facilitate maintenance of the financial viability of regulated industries and the incentive for long term investment;
(g) promote consistency in regulation with other jurisdictions.

If the applicant believes that information about their application would assist the Commission in its consideration of these factors, the applicant should provide such information below.

The granting of the licence to LGWF is consistent with the objectives listed above. The wind farm will provide a new source of renewable energy to South Australian consumers, facilitating competition by offering additional sources of electricity supply to retailers and end users through reliable and affordable energy generation.

5 Application fees

Applicants for a licence must pay to the Commission an application fee fixed by the Minister for Energy from time to time. This fee is presently set at $1,000 per licence. Please enclose this fee with the application. An application cannot be considered until this fee has been received and cannot be refunded.
6 Declaration

All information in this application for the issue of a licence to authorise electricity generation operations in the electricity supply industry in South Australia must be verified by a Statutory Declaration of the applicant, in accordance with the provisions of the *Oaths Act 1936* (SA), stating that the information contained in the application is true and correct to the best of the applicant’s knowledge, information and belief.

Where the applicant is a body corporate, evidence of the relevant authority of the declarant to sign on behalf of the body corporate must also be provided to the Commission.\(^4\)

*Statutory Declaration*

I, Zeki Akbas, Director

of Lincoln Gap Wind Farm Pty Ltd

do solemnly and sincerely declare that the information contained in this Application for the issue of a licence to authorise electricity generation operations in the electricity supply industry in South Australia is true and correct to the best of my knowledge information and belief.

And I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the *Oaths Act 1936*.

Date . . . 23/10/2017 . . .

Signature . . .

(Where the applicant is a body corporate, the declaration must be made by a person authorised by body corporate to sign on its behalf)

Declared at: Melbourne, VIC . . . this 23 day of October 2017

Before me: . . .

(Signature of Justice of the Peace or other person authorised under the *Oaths Act 1936*)

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\(^4\) or equivalent legislation in other Australian jurisdictions.

\(^5\) The Commission will accept a copy of a Board minute (or circulating resolution) giving approval for the declarant to sign on behalf of the applicant as evidence of the relevant authority.
Attachment 1

2017 model licence conditions for new generators

Interpretation of this schedule

1. Interpretation

1.1. Terms used in this schedule and also in the National Electricity Rules (NER) have the same meaning in this schedule as they have in those rules (unless otherwise specified or unless the context otherwise requires).

1.2. For the purposes of this schedule, the term:


continuous uninterrupted operation means that, for voltage disturbances within the continuous operating range (that is, connection point voltage fluctuating within 90 percent and 110 percent of normal voltage), active power must be maintained (unless there has been a change in the intermittent power source) and reactive power must be managed to meet voltage control requirements.

Disturbance ride through capability

2. Disturbance ride through capability – general requirements

2.1. The non-synchronous generating system must meet the following requirements:

(a) The low voltage ride-through activation threshold (LVRT), as measured at the low voltage (LV) terminals of the generating units and dynamic reactive support plant (as applicable), must not be less than 85 percent of nominal voltage.

(b) The generating system must maintain continuous uninterrupted operation for voltage disturbances as specified in clauses 3, 7 and 8.

(c) Where LVRT and high voltage ride-through (HVRT) requirements in the NER are specified in respect of the generating system’s connection point, the withstand capability of individual generating units is to be determined at the LV side of the generating unit’s transformer. All individual generating units must remain connected for connection point voltages within the LVRT/HVRT withstand requirements, irrespective of the generating system’s transformer tap position.

3. Disturbance ride-through (reactive current injection)

3.1. The generating system must supply additional capacitive reactive current (reactive current injection) of up to 4 percent of the maximum continuous current of the generating system (in the absence of a disturbance) for each 1 percent reduction of connection point voltage below 90 percent of normal voltage, as shown in Table 1. This requirement applies at the LV terminals of the generating units and dynamic reactive support plant (as applicable) for power system disturbances resulting in a voltage reduction of up to 100 percent of normal voltage at the connection point.

3.2. The generating system must supply additional inductive reactive current (reactive current absorption) of up to 6 percent of the maximum continuous current of the generating system (in the absence of a disturbance) for each 1 percent increase in connection point voltage above 110
percent of the normal voltage, as shown in Table 1. This requirement applies at the LV terminals of the generating units and dynamic reactive support plant (as applicable).

3.3. The reactive current injection must be maintained until the connection point voltage returns to within the range of 90 percent to 110 percent of normal voltage.

Table 1: Reactive current injection requirements

<table>
<thead>
<tr>
<th>Reactive current response</th>
<th>Current injection gain (%)</th>
<th>Current absorption gain (%)</th>
<th>Minimum amount of contribution as percentage of rated current</th>
<th>Speed of contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Current injection gain (%)</td>
<td>Current absorption gain (%)</td>
<td>Minimum amount of contribution as percentage of rated current</td>
<td>Speed of contribution</td>
</tr>
<tr>
<td>Synchronous</td>
<td>4</td>
<td>6</td>
<td>250</td>
<td>30</td>
</tr>
<tr>
<td>Non-synchronous</td>
<td>4</td>
<td>6</td>
<td>100</td>
<td>30 60</td>
</tr>
</tbody>
</table>

3.4. The amount of reactive current injection required may be calculated using phase-to-phase, phase-to-ground, or sequence components of voltage. For the last method, the ratio of negative-sequence to positive-sequence current injection must be X.  

3.5. The generating system must comply with the following response characteristics for reactive current injection:
   (a) A rise time no greater than 30 milliseconds and a settling time no greater than 60 milliseconds applies to reactive current injection requirements.  
   (b) The reactive current injection requirements described above apply for all pre-disturbance reactive power control modes (voltage control, power factor control and reactive power control).  
   (c) The reactive current response must be adequately damped as defined in the NER.  
   (d) Upon occurrence of a fault, reactive power consumption must not exceed 5 percent of maximum continuous rated current of the generating system and must be limited to the rise time duration set out in Table 1.  
   (e) The post-fault reactive power contribution of the generating system must be sufficient to ensure that the connection point voltage is within the following ranges for continuous uninterrupted operation:
      (i) voltages over 110 percent for the durations permitted under NER clause S5.1a.4;  
      (ii) 90 percent to 110 percent of normal voltage continuously;  
      (iii) 80 percent to 90 percent of normal voltage for a period of at least 10 seconds; and  
      (iv) 70 percent to 80 percent of normal voltage for a period of at least 2 seconds.

4. Disturbance ride through (active power injection requirements)

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6 The exact ratio of negative-sequence to positive-sequence current injection will be specified by the Commission at the time the licence is issued.
7 The settling time requirement does not apply to synchronous generators.
8 This requirement does not apply to synchronous generators.
4.1. The generating system must be capable of restoring active power to at least 95 percent of the level existing just prior to a fault within X milliseconds after disconnection of the faulted element.\(^9\)

4.2. Upon occurrence of a fault, a generating system’s transient active power consumption must not exceed one power frequency cycle and must not exceed 5 percent of the maximum continuous rated current of the generating system.

5. **Multiple low voltage disturbance ride-through**

5.1. The generating system, including, but not limited to, each of its generating units and dynamic reactive power support plant, must be capable of withstanding both of the following within a five minute interval:

(a) Any combination of voltage disturbances causing the voltage at the respective low voltage (LV) terminals of the equipment to drop below 85 percent of the nominal voltage for a total duration of 1,500 milliseconds regardless of disturbance type, duration, and residual voltage at the generating unit’s terminals. The total number of voltage disturbances for which successful ride-through is required is limited to 15. Each fault can be a solid fault resulting in 100 percent voltage drop at the connection point with duration not exceeding the longest time expected to be taken for the breaker fail protection system to clear the fault, as set out in Table S5.1a.2 of the NER.

(b) A single worst-case long-duration shallow voltage disturbance, causing the voltage at the connection point to drop to 70-80 percent of the normal voltage for a total duration of 2,000 milliseconds.

5.2. Subject to compliance with the requirements in clause 5.1, the generating system, including, but not limited to, each of its generating units and dynamic reactive power support plant, is not required to withstand any additional voltage variation exceeding ±10 percent of nominal voltage experienced at the respective LV terminals within 30 minutes from the commencement of the first variation.\(^10\)

6. **Disturbance ride-through (high voltage disturbance ride-through)**

6.1. The generating system must have a level of over-voltage withstand capability consistent with the levels shown in Table 2.\(^11\)

6.2. The generating system must maintain continuous uninterrupted operation for temporary over voltage durations as specified in Table 2.

<table>
<thead>
<tr>
<th>Temporary overvoltage (% of normal voltage)</th>
<th>110–115</th>
<th>&gt;115–120</th>
<th>&gt;120–125</th>
<th>&gt;125–130</th>
<th>&gt;130–140</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duration(s)</td>
<td>1,200</td>
<td>20</td>
<td>2</td>
<td>0.2</td>
<td>0.02</td>
</tr>
</tbody>
</table>

7. **Disturbance ride-through (partial load rejection)**

7.1. The non-synchronous generating system must be capable of continuous uninterrupted operation during and following a power system load reduction of 30 percent from its

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\(^9\) The exact active power recovery time will be specified by the Commission at the time the licence is issued and will be between 100 and 500 milliseconds.

\(^10\) For synchronous generators, consideration will be given to the physical limitations of the plant. This may require a variation to this condition, to be determined by Commission at the time of issuing of the licence.

\(^11\) Unless otherwise specified by the Commission at the time the licence is issued.
pre-disturbance level or equivalent impact from separation of part of the power system in less than 10 seconds, provided that the loading level remains above minimum load.

8. Disturbance ride-through (frequency disturbance ride-through)

8.1. The generating system must be capable of continuous uninterrupted operation for any combination of the following rates of change of frequency:

(a) ±4 Hz/s for 250 milliseconds

(b) ±3 Hz/s for 1 second, until such time as power system frequency breaches the extreme frequency excursion tolerance limits. \(^{12}\)

9. Disturbance ride-through (voltage phase angle shift)

9.1. The generating system must not include any vector shift or similar relay/protective function acting upon voltage phase angle which might operate for phase angle changes less than 20 degrees.

Voltage control capability

10. Voltage control capability

10.1. The generating system must be capable of being controlled by a fast-acting, continuously variable, voltage control system which must be able to receive a local and remote voltage set point.

10.2. The generating system must be capable of operating at either a set reactive power level or a set power factor, which must be able to be set locally or remotely at any time.

10.3. The voltage, power factor and reactive power control mode of the generating system must be capable of:

(a) being overridden by the disturbance ride through requirements specified in clauses Error! Reference source not found. to 9 (inclusive) during power system voltage disturbances, and

(b) automatically reverting to power factor or reactive power mode when the disturbance has ceased.

System strength

11. System strength

11.1. Individual components of plant within a generating system, which includes but is not limited to generating units and dynamic reactive power plant, must be capable of operating down to the following levels at the high voltage terminals in relation to each component:

(a) minimum short circuit ratio of 1.5, and

(b) minimum positive sequence X/R ratio of 2.

Active power control capability

12. Active power control capability

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\(^{12}\) For synchronous generators, consideration will be given to the physical limitations of the plant. This may require a variation to this condition, to be determined by the Commission at the time of issuing of the licence.
12.1. The generating system must be capable of automatically providing a proportional increase or decrease in active power output, in response to falling and rising power system frequency respectively.

12.2. To comply with clause 12.1:
   (a) An active power response to changing power system frequency must be provided with no delay, beyond that required for stable operation, or inherent in the plant controls, once frequency leaves the deadband.
   (b) The steady state droop setting of the active power response must be adjustable in the range 2 percent to 10 percent.
   (c) The frequency deadband for the active power response must be adjustable in the range from 0 to +/- 1.0 Hz.

12.3. The generating system must be capable of sustaining a response to abnormal frequency conditions for at least 10 minutes, subject only to energy resource availability for intermittent generating systems.

12.4. The generating system must be capable of applying different deadband and droop settings in response to rising and falling frequency and for different levels of frequency change.

13. Active power control capability (AGC capability)

13.1. The generating system must have active power control capabilities that allow it to participate in existing national electricity market arrangements requiring automatic generation control (AGC).

13.2. At a minimum, the AGC must have the capability to:
   (a) receive and respond to a remotely determined active power control setpoint, updated at a rate of every four seconds, transmitted to the generating system, and
   (b) provide the following information to AEMO, upon a request from AEMO under NER clauses S5.2.6.1 or 3.8.2:
       (i) actual active power output;
       (ii) maximum raise limit;
       (iii) minimum lower limit;
       (iv) maximum raise ramp rate; and
       (v) maximum lower ramp rate.

14. Active power control capability (rate of change of active power)

14.1. The generating system must be capable of limiting the rate of change of active power, both upwards and downwards. A generating system is not required to comply with a limit on the rate of
reduction of active power where the reduction in active power is caused by energy resource availability for intermittent generating systems.

14.2. The generating system must be capable of implementing different active power rate limits for operation in the normal operating frequency band and for contingency events.

14.3. The generating system must be capable of setting a ramp rate limit with accuracy of within 10 percent.

15. Active power control capability

15.1. The generating system must have the capability to provide real-time information about its active power control settings to AEMO, including mode of operation, deadband and droop parameters and any other active power control setting that may change during real-time operation.

System restoration

16. System restoration

16.1. Where sufficient minimum fault level is available from online synchronous machines, the generating system must have the following capability in the event of a black system:

(a) the generating system must be capable of operation with auxiliary loads only for X minutes\(^{13}\) while system load is being restored, and

(b) the generating system, including, but not limited to, each of its generating units and dynamic reactive power support plant (as applicable) must have the capability to provide steady-state and dynamic reactive power when operating with auxiliary loads only for X minutes while system load is being restored.\(^{14}\)

\(^{13}\) The exact duration will be specified by the Commission at the time the licence is issued.

\(^{14}\) The exact duration will be specified by the Commission at the time the licence is issued.
ANNEXURE A – SITE LOCATION MAP
ANNEXURE B – LINCOLN GAP WIND FARM TURBINE LAYOUT
ANNEXURE C – Audited financial statement of LGWF for the period ending 31 December 2016 (CONFIDENTIAL)
ANNEXURE D – Audited financial statement of Denham Capital (CONFIDENTIAL)
ANNEXURE E – Cover and signing pages of Transmission Connection Agreement (CONFIDENTIAL)
ANNEXURE F – Cover and signing pages of Engineering Procurement and Construction Agreement (CONFIDENTIAL)
ANNEXURE G – Cover and signing pages of Maintenance Services Agreement (CONFIDENTIAL)
ANNEXURE H – Development Approval (CONFIDENTIAL)