



ELECTRICITY SUPPLY INDUSTRY ACT 1995

**ELECTRICITY SUPPLY INDUSTRY
GENERATION LICENCE**

issued to

HYDRO-ELECTRIC CORPORATION

ARBN 072 377 158

Effective Date

26 November 2014

Amended:

1. 19 February 2016 (Notice of Amendment No.1)
2. 8 March 2016 (Notice of Amendment No. 2)
3. 18 March 2016 (Notice of Amendment No.3)
4. 3 May 2016 (Notice of Amendment No.4)

Tasmanian Electricity Generation Licence

1 Grant of Licence

- 1.1 The **Regulator**, in exercise of the powers conferred by section 19 of the **Act**, authorises the **Licensee** to undertake the **generation** of electricity at the **generating plant**.
- 1.2 The **Regulator** issues this licence accepting that technical and other information supplied by the **Licensee** in support of its application for this licence, and otherwise as required by this licence, is true and correct, the **Licensee** having made full and diligent inquiry in that regard.

2 Definitions and Interpretation

- 2.1 In this licence, words and phrases appearing italicised in bold type:
 - 2.1.1 which are defined in the *Electricity Supply Industry Act 1995*, have the same meaning when used in this licence; and
 - 2.1.2 which are not defined in the *Electricity Supply Industry Act 1995*, have the meaning ascribed to them in Part 1 of Schedule 2.
- 2.2 This licence must be interpreted in accordance with Part 2 of Schedule 2.

3 Compliance with Laws and Other Requirements

- 3.1 The **Licensee** must comply with the **Act**, the **Code** and **guidelines**.
- 3.2 The **Licensee** must comply with the **National Electricity Rules**. In the event that the **National Electricity Rules** are inconsistent with the **Code**, then the **National Electricity Rules** prevail to the extent of such inconsistency.
- 3.3 For the avoidance of doubt, the **statutory licence conditions** are deemed to form part of this licence and the **Licensee** must comply with the **statutory licence conditions**.

- 3.4 The **Licensee** must use best endeavours to ensure that each contractor engaged by it complies with the terms and conditions of this licence, to the extent that such terms and conditions are relevant to that contractor.

4 Term of Licence

Subject to this licence and the **Act**, this licence takes effect on and from 26 November 2014 for a period of ten (10) years.

5 Payment of Fees and Charges

The **Licensee** must pay to the **Regulator** fees and charges in accordance with clause 2.4.2 of the **Code**.

6 Communications

- 6.1 A **communication** must be in **writing**.
- 6.2 A **communication** is to be regarded as having been given by the sender and received by the addressee:
- 6.2.1 when delivered in person to the addressee;
 - 6.2.2 where sent by post, on the 4th **business day** after the date of posting, if the **communication** is posted within Australia;
 - 6.2.3 where sent by post, on the 7th **business day** after the date of posting, if the **communication** is posted outside Australia; or
 - 6.2.4 when, according to the sender's transmission report, received by facsimile transmission by the addressee.

7 Provision of Information

- 7.1 The **Licensee** must provide to the **Regulator**, in the manner and form advised by the **Regulator**, such information as the **Regulator** may from time to time require and which is, in the opinion of the **Regulator**, relevant to the **Regulator's** functions under the **Act**, the **Code**, the **National Electricity Rules and guidelines**.

- 7.2 If the **Licensee** becomes aware of any material breach of the **Act**, the **Code**, the **National Electricity Rules, guidelines** or this licence, the **Licensee** must notify the **Regulator** of the breach as soon as practicable and provide such information as the **Regulator** requires in relation to the breach.

8 Advice to the Regulator

The **Licensee** must report to the **Regulator** as soon as possible the occurrence of any of the following circumstances:

- 8.1 the **Licensee** is put under external administration as defined in the Corporations Act 2001 (Cwth); and
- 8.2 the **Licensee's** circumstances change such that the **Licensee's** ability to meet its obligations under the **Act**, the **Code**, the **National Electricity Rules, guidelines** or this licence may be materially affected.

9 Management Plans and Compliance Plan

- 9.1 The **Licensee** must develop and submit to the **Regulator**, in accordance with the **Code, management plans**.
- 9.2 The **Licensee** must develop and submit to the **Regulator**, in accordance with the **Code**, a **compliance plan**.

10 Emergency Management

- 10.1 The **Licensee** must develop and maintain an emergency management plan in accordance with any **guideline** issued by the **Jurisdictional System Security Co-ordinator**.
- 10.2 Any such emergency management plan must be implemented by no later than the date specified by the **Jurisdictional System Security Co-ordinator**, or when no such date is specified, within a reasonable period of time.

11 Management and Operating Contracts

- 11.1 The **Licensee** must advise the **Regulator** of the entering into, by the **Licensee**, of any contract under the terms of which another person assumes, or will assume, operational responsibility for carrying out any substantive part of the operations authorised by this licence.
- 11.2 The **Licensee** must submit to the **Regulator** not less than 14 days prior to the commencement of any contract referred to in clause 11.1:
- 11.2.1 the identity and contact details of the other person; and
 - 11.2.2 details of the nature of the operations that the other person will assume responsibility for carrying out; and
 - 11.2.3 details of the relevant qualifications and experience of the other person to undertake the specified operations

12 Connection Agreement

- 12.1 The **Licensee** must not allow its **generating plant** to be, or to remain, connected to the **Tasmanian network** at a time when no relevant **connection agreement** subsists.
- 12.2 The **Licensee** must advise the **Regulator** as soon as practicable of any material breach of, or material failure to comply with, the terms and conditions of a **connection agreement** in respect of the **generating plant**.

Schedule 1 - Description of Generating Plant

Hydro Generation

S T A T I O N	UNIT	CAPACITY (MW)		NETWORK/BUS CONNECTION
Bastyan	1	79.9	Bastyan 13.8/220kV T1 T/F Bastyan 13.8/220kV T2 T/F	Farrell switchyard 220kV bus
Butlers Gorge	1	12.2	Butlers Gorge 11/110kV T1 T/F	Hydro Tasmania Butlers Gorge 110kV bus 110kV Tungatinah – Butlers Gorge – Derwent Bridge T/L
Catagunya	1	24	Catagunya 11/220kV T1 T/F	220kV Wayatinah – Catagunya T/L
	2	24	Catagunya 11/220kV T2 T/F	Liapootah switchyard 220kV bus
Cethana	1	85	Cethana 13.8/220kV T1 T/F	220kV Sheffield – Cethana T/L Sheffield switchyard 220kV bus
Cluny	1	17	Cluny 11/110kV T1 T/F	220kV Liapootah – Cluny – Repulse – Chapel St No1 T/L
Devils Gate	1	60	Devils Gate 11/110kV T1 T/F Devils Gate 11/110kV T2 T/F	110kV Sheffield – Devils Gate T/L Sheffield switchyard 110kV bus
	1	43.2	Fisher 11/220kV T1 T/F	220kV Sheffield – Fisher T/L Sheffield switchyard 220kV bus
Gordon	1	144	Gordon 18/220kV T1 T/F	Gordon switchyard 220kV bus
	2	144	Gordon 18/220kV T1 T/F	
	3	144	Gordon 18/220kV T1 T/F	
John Butters	1	144	John Butters 13.8/220kV T/F	220kV Farrell – John Butters T/L Farrell switchyard 220kV bus
Lake Echo	1	32.4	Lake Echo 11/110kV T1 T/F	Hydro Tasmania Lake Echo 110kV bus 110kV Tungatinah – Lake Echo – Waddamana No1 & 2 T/L
Lemonthyme	1	51	Lemonthyme 11/220kV T1 T/F Lemonthyme 11/220kV T2 T/F	220kV Sheffield – Lemonthyme T/L Sheffield switchyard 220kV bus
	1	27.9	Liapootah 11/220kV T1 T/F	Liapootah switchyard 220kV bus
Liapootah	2	27.9	Liapootah 11/220kV T2 T/F	
	3	27.9	Liapootah 11/220kV T3 T/F	
Mackintosh	1	79.9	Mackintosh 13.8/110kV T1 T/F	110kV Farrell – Mackintosh T/L Farrell switchyard 110kV bus

Schedule 1 - Description of Generating Plant

Hydro Generation

S T A T I O N	UNIT	CAPACITY (MW)		NETWORK/BUS CONNECTION
Meadowbank	1	40	Meadowbank 11/110kV T1 T/F Meadowbank 11/110kV T2 T/F	Meadowbank switchyard 110kV bus
Paloona	1	28	Paloona 11/110kV T1 T/F	Hydro Tasmania Paloona 110kV bus Paloona switchyard 110kV bus
Poatina	1	50	Poatina 16/110kV T1 T/F	110kV Poatina – Palmerson No 1 T/L Palmerston switchyard 110kV bus
	2	50	Poatina 16/110kV T2 T/F	110kV Poatina – Palmerson No 2 T/L Palmerston switchyard 110kV bus
	3	50	Poatina 16/220kV T3 T/F	220kV Poatina – Palmerson No 3 T/L Palmerston switchyard 220kV bus
	4	50	Poatina 16/220kV T4 T/F	220kV Poatina – Palmerson No 4 T/L Palmerston switchyard 220kV bus
	5	50	Poatina 16/220kV T5 T/F	220kV Poatina – Palmerson No 5 T/L Palmerston switchyard 220kV bus
	6	50	Poatina 16/220kV T6 T/F	220kV Poatina – Palmerson No 6 T/L Palmerston switchyard 220kV bus
Reece	1	115.6	Reece 13.8/220kV T1 T/F	220kV Farrell – Reece No1 T/L Farrell switchyard 220kV bus
	2	115.6	Reece 13.8/220kV T2 T/F	220kV Farrell – Reece No2 T/L Farrell switchyard 220kV bus
Repulse	1	28	Repulse 11/220kV T1 T/F Repulse 11/220kV T2 T/F	220kV Liapootah – Cluny – Repulse – Chapel St No1 T/L
Rowallan	1	10.5	Rowallan 6.6/22kV T1	22kV Hydro Tasmania Rowallan – Fisher T/L
Tarraleah	1	15	Tarraleah 11/110kV T1 T/F	Tarraleah switchyard 110kV bus
	2	15		
	3	15	Tarraleah 11/110kV T2 T/F	
	4	15		
	5	15		

Schedule 1 - Description of Generating Plant

Hydro Generation

S T A T I O N	UNIT	CAPACITY (MW)		NETWORK/BUS CONNECTION
	6	15		
Tods Corner	1	1.2	Hydro Tasmania Tods Corner – Arthurs Lake 6.6kV feeder	Hydro Tasmania Tods Corner – Arthurs Lake 6.6kV feeder
Trevallyn	1	20	Trevallyn 11/110kV GTA T/F Trevallyn 11/110kV GTB T/F	Trevallyn switchyard 110kV bus
	2	20		
	3	26.5		
	4	26.5		
Tribute	1	82.8	Tribute 13.8/220kV T1 T/F	220kV Farrell – Tribute T/L Farrell switchyard 220kV bus
Tungatinah	1	25	Tungatinah 11/110kV T1 T/F	Tungatinah switchyard 110kV bus
	2	25	Tungatinah 11/110kV T2 T/F	
	3	25	Tungatinah 11/110kV T3 T/F	
	4	25	Tungatinah 11/110kV T4 T/F	
	5	25	Tungatinah 11/110kV T5 T/F	
Wayatinah	1	12.8	Wayatinah 11/220 kV T5 T/F	Hydro Tasmania Wayatinah 11kV bus 220kV Liapootah – Wayatinah T/L Liapootah switchyard 220kV bus
	2	12.8		
	3	12.8		
Wilmot	1	30.6	Wilmot 11/220kV T1 T/F	220kV Sheffield – Wilmot T/L Sheffield switchyard 110kV bus
Butlers Gorge Mini	1	2.2		Hydro Tasmania Butlers Gorge 11kV bus
Parangana Mini	1	0.85	Parangana Mini 415V/22kV T1 T/F	Aurora 22kV Railton feeder No.1
Lake Margaret	1	1.2	Lake Margaret - CMT Sub. 'B' Transline Lake Margaret - CMT Sub. 'C' Transline Lake Margaret - CMT Sub. 'D' Transline	Copper Mines Tasmania 11kV bus
	2	1.2		
	3	1.2		
	4	1.2		
	5	1.2		
	6	1.2		

Schedule 1 - Description of Generating Plant

Hydro Generation

S T A T I O N	UNIT	CAPACITY (MW)		NETWORK/BUS CONNECTION
	7	1.2		
Lower Lake Margaret	1	3.2	Lake Margaret - CMT Sub. 'A' Transline	Copper Mines Tasmania 11kV bus

Note: Capacity identified in this document is the "Nameplate Capacity" of the generating unit.

Other Generation

Location	George Town	George Town
Generator Type	Diesel generator	Diesel generator
Capacity	17MW	17MW
Voltage	11KV	11KV
Frequency	50Hz	50Hz
Connection	George Town 22/110 kV TasNetworks 'B' Feeder Bay	George Town 22/110 kV TasNetworks 'Q' Feeder Bay

Schedule 1 - Description of Generating Plant

Location	Wesley Vale	Wesley Vale
Generator Type	Diesel generator	Diesel generator
Capacity	25MW	25MW
Voltage	11KV	11KV
Frequency	50Hz	50Hz
Connection	Wesley Vale 415/11 kV T1-T5 Wesley Vale 11/110 kV TasNetworks 'K' and 'L' Feeder Bay	Wesley Vale 415/11 kV T6-T10 Wesley Vale 11/110 kV TasNetworks 'P' and 'Q' Feeder Bay

Location	Port Latta	Port Latta
Generator Type	Diesel generator	Diesel generator
Capacity	12MW	12MW
Voltage	22KV	22KV
Frequency	50Hz	50Hz
Connection	Port Latta 22/110 kV TasNetworks 'D' Feeder Bay	Port Latta 22/110 kV TasNetworks 'F' Feeder Bay

Schedule 1 - Description of Generating Plant

Location	Catagunya
Generator Type	Diesel generator
Number of Generators	24
Individual Capacity	1MW
Total Capacity	24MW
Voltage	22KV
Frequency	50Hz
Connection	220kV Wayatinah – Catagunya T/L Liapootah switchyard 220kV bus

Location	Meadowbank
Generator Type	Diesel generator
Number of Generators	24
Individual Capacity	1MW
Total Capacity	24MW
Voltage	22KV
Frequency	50Hz
Connection	Meadowbank switchyard 110kV bus

Schedule 1 - Description of Generating Plant

Location	Bell Bay
Generator Type	Diesel/Gas OCGT generator
Number of Generators	3
Individual Capacity	25MW
Total Capacity	75MW
Voltage	110KV
Frequency	50Hz
Connection	George Town

Location	Savage River
Generator Type	Diesel generator
Total Capacity	24MW
Voltage	22KV
Frequency	50Hz
Connection	Savage River Substation

Schedule 1 - Description of Generating Plant

Location	Que	Que	Que
Generator Type	Diesel generator	Diesel generator	Diesel generator
Capacity	18MW	18MW	24MW
Voltage	22KV	22KV	22KV
Frequency	50Hz	50Hz	50Hz
Connection	Que Substation	Que Substation	Que Substation

Schedule 2 – Part 1

Definitions

“Act” means the *Electricity Supply Industry Act 1995* (Tas);

“business day” means any day except a Saturday, Sunday, statutory holiday as defined in the *Statutory Holidays Act 2000* or public holiday;

“communication” means a notice, agreement, consent, direction, representation, advice, statement or other communication required or given pursuant to or in connection with this licence;

“compliance plan” has the same meaning as in the **Code**;

“connection agreement” has the same meaning as in the **Code**;

“generation operations” means electricity generating facilities located on mainland Tasmania and includes the **generating plant** and all ancillary machinery and equipment connected with it;

“generating plant” means the generating plant located on mainland Tasmania and described in Schedule 1 as amended from time to time;

“guideline” means a written statement of regulatory intent or policy for the information and guidance of **licensees**, issued by the **Regulator**, or by any other relevant person determined and advised to **licensees** by the **Regulator**;

“Jurisdictional System Security Co-ordinator” has the same meaning as in the **National Electricity Law**;

“Licensee” means Hydro-Electric Corporation (ARBN 072 377 158);

“licensee” means the holder of a licence under the **Act**;

“management plan” has the same meaning as in the **Code** and for the purpose of this licence, the relevant schedule is Schedule 3 of this licence;

“statutory licence conditions” means the licence conditions referred to in the **Act** and applicable to this licence;

“writing” includes any mode of representing or reproducing words, figures, drawings and symbols in a visible form.

Schedule 2 – Part 2

Interpretation

In this licence, unless the context otherwise requires:

- 2.1 headings are for convenience only and do not affect the interpretation of this licence;
- 2.2 words importing the singular include the plural and vice versa;
- 2.3 words importing a gender include any gender;
- 2.4 an expression importing a natural person includes any company, partnership, trust, joint venture, association, corporation or other body corporate and any governmental agency;
- 2.5 a reference to a condition, clause, schedule or part is to a condition, clause, schedule or part of this licence;
- 2.6 a reference to terms of an offer or agreement is to all terms, conditions and provisions of the offer or agreement;
- 2.7 a reference to any statute, regulation, proclamation, order in council, ordinance or by-law includes all statutes, regulations, proclamations, orders in council, ordinances or by-laws varying, consolidating, re-enacting, extending or replacing them and a reference to a statute includes all regulations, proclamations, orders in council, ordinances, by-laws and determinations issued under that statute;
- 2.8 a reference to a document or a provision of a document includes an amendment or supplement to, or replacement or novation of, that document or that provision of that document;
- 2.9 a reference to a person includes that person's executors, administrators, successors, substitutes (including, without limitation, persons taking by novation) and permitted assigns;
- 2.10 when italicised, other parts of speech and grammatical forms of a word or phrase defined in this licence or in the **Act**, have a corresponding meaning;

- 2.11 a period of time:
- 2.11.1 which dates from a given day or the day of an act or event is to be calculated exclusive of that day; or
 - 2.11.2 which commences on a given day or the day of an act or event is to be calculated inclusive of that day;
- 2.12 an event which is required under this licence to occur on or by a stipulated day which is not a **business day** may occur on or by the next **business day**;
- 2.13 in the event of any inconsistency between the conditions of this licence and the **Act**, the **Act** will prevail to the extent of such inconsistency; and
- 2.14. in the event of any inconsistency between the conditions of this licence and the schedules, the conditions of this licence prevail to the extent of such inconsistency.

Schedule 3 - Management Plans

The aspects of the *Licensee's* operations that shall be the subject of *management plans* are:

1. asset management of the *Licensee's generation operations*, including reliability and performance of the *Licensee's generation operations*; and
2. emergency management as provided for in clause 10.