



## **National Electricity Amendment (Register of Large Generator connections) Rule 2016 No. 7**

under the National Electricity Law to the extent applied by:

- (a) the National Electricity (South Australia) Act 1996 of South Australia;
- (b) the Electricity (National Scheme) Act 1997 of the Australian Capital Territory;
- (c) the Electricity - National Scheme (Queensland) Act 1997 of Queensland;
- (d) the Electricity - National Scheme (Tasmania) Act 1999 of Tasmania;
- (e) the National Electricity (New South Wales) Act 1997 of New South Wales;
- (f) the National Electricity (Victoria) Act 2005 of Victoria;
- (g) the National Electricity (Northern Territory) (National Uniform Legislation) Act 2015; and
- (h) the Australian Energy Market Act 2004 of the Commonwealth.

The Australian Energy Market Commission makes the following Rule under the National Electricity Law.

John Pierce  
Chairman  
Australian Energy Market Commission

## **National Electricity Amendment (Register of Large Generator connections) Rule 2016 No. 7**

### **1 Title of Rule**

This Rule is the *National Electricity Amendment (Register of Large Generator connections) Rule 2016 No.7.*

### **2 Commencement**

This Rule commences operation on 1 July 2017.

### **3 Amendment of the National Electricity Rules**

The National Electricity Rules are amended as set out in Schedule 1.

## Schedule 1      Amendment to the National Electricity Rules

(Clause 3)

### [1] Clause 5.1.2      Purpose and Application

After clause 5.1.2(f)(3), insert:

(3A) rule 5.18A;

### [2] New Rule 5.18A Large generator connections

After rule 5.18, insert:

#### 5.18A Large generator connections

##### 5.18A.1 Definitions

(a) In this rule 5.18A:

**assessment date** means, in respect of a new large generator connection, the first TAPR date that falls no earlier than 18 months after the commissioning date for that large generator connection.

**commissioning date** means, in respect of a new large generator connection, the date of commencement of commissioning of the *connection* and *connected facilities* of that large generator connection.

**connections register** has the meaning given in clause 5.18A.2.

**impact assessment** has the meaning given in clause 5.18A.3.

**large generator connection** means *generating units* that:

- (1) have a *nameplate rating* of 30MW or greater; or
- (2) are part of a group of *generating units* connected at a common *connection point* with a combined *nameplate rating* of 30 MW or greater,

which are owned, operated or controlled by a *Generator* and are *connected* to the *Transmission Network Service Provider's network*.

**TAPR date** means the date under clause 5.12.2 by which a *Transmission Network Service Provider* must *publish* its *Transmission Annual Planning Report*.

##### 5.18A.2 Register of large generator connections

- (a) A *Transmission Network Service Provider* must establish, maintain and publish, on its website, a register of information regarding large

generator connections (**connections register**), including but not limited to the following information in respect of each large generator connection:

- (1) location of the *connection point* for the large generator connection;
  - (2) person who is registered by *AEMO* as a *Generator* in respect of the large generator connection at that *connection point*;
  - (3) technology of the *generating units* (e.g. hydro, open cycle gas turbine, steam sub-critical etc);
  - (4) aggregate *nameplate rating* capacity of all *generating units* comprised in the large generator connection;
  - (5) date of cessation of a person's registration with *AEMO* as *Generator* in respect of the large generator connection, where relevant; and
  - (6) impact assessment of that large generator connection, prepared in accordance with clause 5.18A.3 (if any).
- (b) Subject to satisfying any relevant exemptions contained in clause 8.6.2, the *Transmission Network Service Provider* must not publish *confidential information* as part of, or in connection with, the connections register.
- (c) The *Transmission Network Service Provider* must:
- (1) include in the first connections register the details contained in subparagraphs (a)(1)-(5), for all large generator connections on its *network* with a commissioning date after 13 December 1998; and
  - (2) by the TAPR date each year, update the connections register to include:
    - (i) the details contained in subparagraphs (a)(1)-(6) for all new large generator connections on its *network*; and
    - (ii) updated information for all large generator connections contained in the connections register where the information listed in subparagraphs (a)(1)-(5) has changed.

### **5.18A.3 Impact assessment of large generator connections**

- (a) Following the commissioning date of a new large generator connection on a *Transmission Network Service Provider's network*, the *Transmission Network Service Provider* must prepare an

assessment of the impact of that large generator connection on its *network* by the assessment date (**impact assessment**).

- (b) An impact assessment prepared in accordance with this clause 5.18A.3 is not required to be updated by the *Transmission Network Service Provider* at any future point in time.
- (c) The purpose of the impact assessment is to identify any material effects of the large generator connection on the *Transmission Network Service Provider's network*, as compared with the absence of that large generator connection on its *network*.
- (d) Subject to paragraph (e), when preparing an impact assessment, a *Transmission Network Service Provider* must consider whether the new large generator connection has resulted in changes to:
  - (1) *ancillary service* requirements to the extent such changes relate specifically to the *Transmission Network Service Provider's network*;
  - (2) the level, and pattern, of *network* congestion on its *network*;
  - (3) the timing of expenditure for the *Transmission Network Service Provider* on its *network*; and
  - (4) the level of *interconnector power transfer capability* on its *network*,

and if such changes have occurred, include details of the changes in the impact assessment to the extent they have had a material impact on the *Transmission Network Services Provider's network*.

- (e) If the *Transmission Network Service Provider* considers any of the changes referred to in paragraph (d) to have an immaterial impact on its *network*, outline the reasons why it has determined such impacts to be immaterial.
- (f) The impact assessment must:
  - (1) be based on historical data;
  - (2) consider the impacts referred to in paragraph (d) for the 12 months immediately preceding the commissioning date as compared to the 12 months following the commissioning date; and
  - (3) include a detailed description of the methodologies or data used in quantifying each impact referred to in paragraph (d).

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[END OF RULE AS MADE]

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