

## RESERVE CAPACITY INFORMATION PACK

Each year the Independent Market Operator (IMO) is required to publish the Reserve Capacity Information Pack. This is an obligation established under Clause 4.7 of the Wholesale Electricity Market Rules (Market Rules).

This Reserve Capacity Information Pack sets out the Reserve Capacity Requirement for the Capacity Year that runs from 1 October 2012 to 1 October 2013. It provides information on the Expression of Interest process that was conducted between January and May 2010 and information in respect to the amount of capacity that can be provided by facilities, such as Demand Side Management (DSM) that are only available for limited periods.

A more detailed discussion of the information provided below is included in the 2010 Statement of Opportunities Report available at

<http://www.imowa.com.au/soo>

Should you have any questions in respect to the information provided here, please contact the IMO on (08) 9254 4300 or at [imo@imowa.com.au](mailto:imo@imowa.com.au).

### **Reserve Capacity Requirement**

The Reserve Capacity Requirement for the 2012/13 Reserve Capacity Cycle is **5,501 MW**.

### **Availability Curve**

The Market Rules include the concept of Availability Classes. This approach recognises the value of DSM, but ensures that the time limitations of DSM are properly considered when assessing system reliability.

Four Availability Classes are defined under the Market Rules:

- Class 1 relating to capacity that is available more than 96 hours every year;
- Class 2 relating to capacity that is available for 72 to 96 hours every year;
- Class 3 relating to capacity that is available for 48 to 72 hours every year; and
- Class 4 relating to capacity that is available for 24 to 48 hours every year.

Class 1 covers generation capacity, while Classes 2 to 4 relate to DSM.

The Availability Curve does not limit the amount of Capacity Credits assigned to any Availability Class where there is intent to bilaterally trade.

The Availability Curve information for 2012/13 and 2013/14 is shown in Table 1.

**Table 1 – Availability Curve**

Availability Curve Information	2012/13 (MW)	2013/14 (MW)
<b>Market Rule 4.5.12(a):</b>		
Capacity required for more than 24 Hours	4490	4805
Capacity required for more than 48 Hours	4338	4662
Capacity required for more than 72 Hours	4239	4556
Capacity required for more than 96 Hours	4158	4481
<b>Market Rule 4.5.12(b):</b>		
Minimum Generation Required	4097	4199
<b>Market Rule 4.5.12(c):</b>		
Capacity associated with Availability Class 1	4158	4481
Capacity associated with Availability Class 2	81	75
Capacity associated with Availability Class 3	99	106
Capacity associated with Availability Class 4	1163	1275

Note that capacity that meets the requirement of any particular Availability Class can also cover the requirements of a higher Availability Class. Therefore:

- Facilities that are in Availability Class 1 can cover the requirements of Availability Classes 2, 3 or 4.
- Facilities that are in Availability Class 2 can cover the requirements of Availability Classes 3 or 4.
- Facilities that are in Availability Class 3 can cover the requirement of Availability Class 4.

### Expressions of Interest Process

The Request for Expressions of Interest and the 2010 Summary of Expressions of Interest are available on the IMO website at [http://www.imowa.com.au/rc\\_eoi.htm](http://www.imowa.com.au/rc_eoi.htm).