

Action Points

Calculation of the Capacity Value of Intermittent Generation (RC_2010_25 & RC_2010_37) Public Workshop

Requested by	Company	Action Point	IMO comment
Bill Bowyer	Infigen Energy	Sapere to consider deriving a formula to reflect the calculation of the 'U' factor and making this publically available	<p>As noted in the Sapere report, given the limited data available there is no precise method to determine the required adjustment. The calculation of the 'U' factor reflects Dr Tooth's judgement as to an appropriate adjustment based on a close examination of the contribution of Intermittent Generator facilities in reducing the extreme peak loads.</p> <p>With more data and time, a precise method could potentially be calculated in the future. The IMO expects that this will be an area of focus for the next review. The IMO notes that with a one in ten year event the need for the U factor will no longer remain.</p> <p>The IMO however agrees that there is merit in providing further transparency of how this was established and is currently working with Dr Richard Tooth to provide further details on how the size of the U-factor adjustment was determined.</p>
Shane Cremin	APA	Sapere to identify whether there were any applicable transmission constraints during the Trading Intervals associated with the extreme data points of the graph in slide 21 of the presentation	<p>The IMO in conjunction with Sapere has investigated whether there were any transmission constraints during the 12 peak LSG Trading Intervals (of which the extreme data points on the graph in slide 21 of the presentation would be represented). The IMO notes that during a number of Trading Intervals there were transmission restrictions as a result of both Planned and Forced Outages of network equipment. Given data confidentiality restrictions under clause 10.6.1(b) the IMO is unable to publish information on the Planned Outages.</p> <p>The IMO and Sapere have identified the impact of outages is likely to have been small (only one Facility was adversely impacted for 1 Trading Interval). Regardless, the IMO considers that it would not be appropriate</p>

			<p>to adjust for the impact of transmission restrictions on the output of Intermittent Generators in assigning Capacity Credits to the Intermittent Generation fleet. The IMO notes transmission service is provided by the Network Operator to Market Generators and often service levels (such as relating to runback schemes) are directly agreed between the Market Generator and the Network Operator.</p> <p>The Outage Planning process should ensure that transmission restrictions do not unnecessarily occur during peak trading days (it may be appropriate to bring down equipment for a short period of time in order to ensure its longer term availability). The IMO notes that the recent review of the Outage Planning process did not identify any issues with the current assessment framework for determining whether a Planned Outage should take place. For further details refer to: http://www.imowa.com.au/5yearoutageplanningreview</p>
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