

5<sup>th</sup> July 2007

Dr John Tamblyn  
Chairman  
Australian Energy Market Commission  
PO Box H166  
Australia Square NSW 1215

Letter sent electronically to: [john.tamblyn@aemc.gov.au](mailto:john.tamblyn@aemc.gov.au) and  
[submissions@aemc.gov.au](mailto:submissions@aemc.gov.au)

Dear Dr Tamblyn

**Joint Snowy Hydro and NEMMCO Submission:  
Snowy Region Abolition proposal -  
Region Location of Guthega and Jindabyne Pumps**

This is a joint submission by Snowy Hydro and NEMMCO on the Region location of Guthega and Jindabyne Pumps as proposed under Snowy Hydro's Snowy Region Abolition rule change proposal.

Snowy Hydro has proposed that under the Snowy Region abolition rule change currently being considered by the AEMC, that Guthega Power Station is located in the NSW region and Jindabyne Pumps are located in the Victorian region. The proposed regional boundary location would be at the Guthega 132 kV bus section isolator, "132kV No 2-3 Sect Disc 4128" on TransGrid Drawing GTH805763. A simplified diagram of this proposed configuration is provided in attachment 1.

Both Guthega and Jindabyne pumps are switchable between Munyang / South East NSW transmission and Murray Switching Station (MSS). The current operational practice is for Guthega to be normally connected to MSS with the Munyang line normally open, except for high demand/high transfer to NSW in summer when Guthega is switched to Munyang.

In its submission to the AEMC on the subject, NEMMCO recommended that both Guthega and Jindabyne pumps be located in the Victorian regions. The recommendation was based on the historical number of hours of operation of Guthega and JPS switched to MSS. Following discussion between the Snowy Hydro, TransGrid and NEMMCO regarding the technical feasibility of the Snowy Hydro advocated boundary location, NEMMCO is open to a boundary location consistent with the Snowy Hydro proposal on the understanding that TransGrid and Snowy are planning to change the normal switching arrangement for the MSS-Guthega-Munyang lines so that Guthega will normally generate power into the NSW region and Jindabyne pumps are normally supplied with power from MSS.

Reference is made to a letter from TransGrid to Snowy Hydro date 5<sup>th</sup> July 07 (copy attached). Snowy Hydro will work with TransGrid to achieve as soon as practical a switching arrangement that has Guthega normally switched to Munyang and Jindabyne pumps

normally switched to MSS. Snowy Hydro will fund the necessary upgrades to satisfactory achieve the new normal switching arrangements.

To discuss this joint submission further, please contact the undersigned.

Yours sincerely,

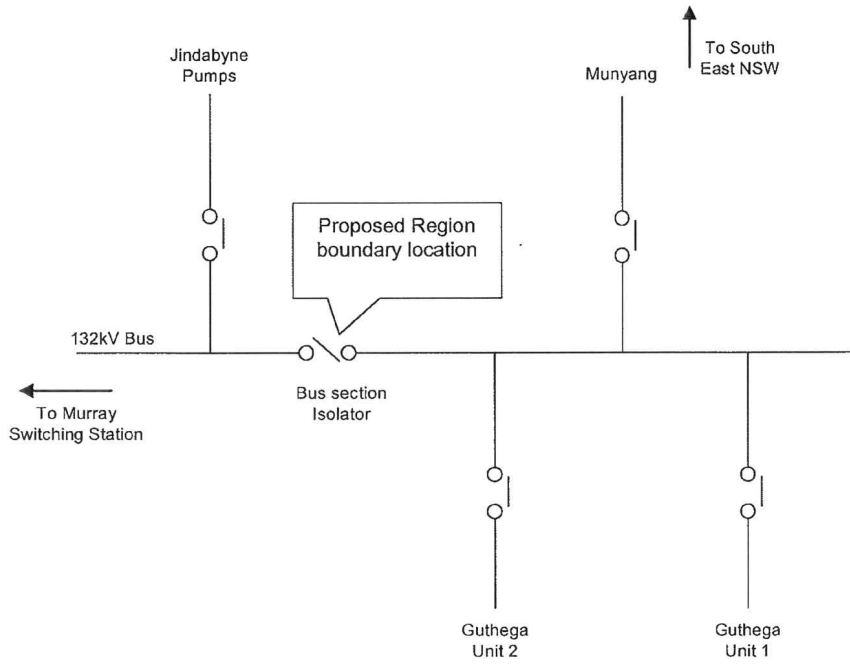


Roger Whitby  
Snowy Hydro Limited



Chris Deague  
NEMMCO

Attachment 1 – Simplified diagram of Jindabyne Pumps and Guthega switching arrangement



Mr Roger Whitby  
Executive Officer Trading  
Snowy Hydro Limited  
GPO Box 4351  
Sydney NSW 2001

Dear Roger

### **Proposed NEM Regional Boundary Change**

Reference is made to our recent discussions and correspondence regarding the proposed NEM regional boundary change in southern NSW.

While not pre-empting the AEMC decision on the final location of the new regional boundary, the Snowy Hydro proposal to establish the boundary between NSW and Victoria through the busbar at Guthega 132 kV Bus bar is acceptable to TransGrid.

To achieve the proposed arrangement it will be necessary to undertake a number of modifications at the site:

- a) Installation of a 132 kV bus section circuit breaker at Guthega between Bus Sections 2 and 3;
- b) A re-work of the auto-changeover scheme to move the change over point from the 979 Munyang circuit breaker back to the new Guthega bus section circuit breaker; and
- c) Installation of appropriate metering CTs at Guthega to monitor inter-regional flows.

All of these modifications should be possible but will require feasibility studies and designs to ensure that they meet all necessary technical requirements.

A simplified diagram of the proposed arrangements is attached.

Can you please confirm that Snowy Hydro is prepared to fund the costs associated with the necessary works.

To further progress this matter once the final regional boundary has been approved please contact Mr Phil Gall Manager/Regulatory Affairs on (02) 9284-3434 so the necessary work can be arranged.

Yours sincerely



Peter McIntyre  
General Manager/Network Development and Regulatory Affairs

Attach.

# Simplified Line Diagram of Proposed arrangement at Guthega Switching Station

