

Questions from Calpine, for the AESO re: Rules, March 15, 2005

Q1:

Generators modeled in the load flow but not in merit according to the historical load flow will be assumed to be generating according to market conditions, and will continue to be operated at their base case values.

Please explain in detail the logic of modeling units. Specifically, would the generator output in a specific historical load flow case be used as the assumed unit output in the corresponding loss factor load flow case? Following table may be useful. Please correct the answers and extend scenarios to demonstrate the logic.

(Assume specific load flow case of Fall Peak and unit X)

Source	Scenario 1 Unit state	Scenario 2 Unit state	Scenario 2 Unit state	Scenario 2 Unit state
Historical load flow corresponding to Fall Peak	0 MW	30 MW	120 MW	90 MW
GSO for the scenario (fall peak)	100 MW	100 MW	100 MW	100 MW
In merit according to GSO prior to balancing the interchange	yes	Yes	yes	no
In merit according to GSO after balancing the interchange	yes	Yes	yes	no
Assumed for calculations in loss factor case	100 MW	100 MW	100 MW	0 MW

A1:

Please see our proposal on 'Treatment of Confidential Data in the GSO for Loss Factor Calculation' at <http://www.aeso.ca/files/Treatmentofconfidentialdata.pdf> .Comments are welcome before 2005-03-23.

Q2:

GSO for system minimum (zero percentile generation) output of the POS for the relevant season (considering only those POS records above some minimum threshold to be established)

Are you still going to use multi-block representation of units in GSO and how will you set the threshold for each type of unit? How many blocks will you use?

A2:

Yes, we will be using multi-block representation in the GSO. AESO envisions at least 2 blocks for some types (e.g., coal) of generation. The number of blocks represented will be based on information such as historic bidding practices from generating units. AESO is preparing the 2006

GSO and based on input to the Loss Factor Rule, have yet to decide on some details (including the threshold).