

AESO INFORMATION REQUESTS TO DUC

AESO.DUC-001

Reference: POD Charges and PSC Evidence of DUC – Page 6, Lines 13-16

- “4. The PSC should be adjusted to be 15% of the POD Charges for customers who own their own transformation assets.
5. The PSC should be adjusted to be 55% of the POD Charges for customers who own their own transformation assets.”

Request:

Please fully explain what is meant by recommendations 4 and 5, as they appear to be the same, except for different percentages.

AESO.DUC-002

Reference: POD Charges and PSC Evidence of DUC – Page 16, Lines 12-15

“This evidence suggests that incremental transformation costs above 25 MVA are about \$10,000 to \$30,000/MVA. These values are significantly less than the AESO’s recommended Cost Function that proposes incremental costs of \$154,000/MW for all interconnections above 7.5 MW.”

Request:

Please fully explain how DUC has accounted for the additional redundancy, line terminations, and increasingly complex bus arrangements which typically accompany transformation capacity greater than 40 MW. Please include a discussion of the implications relating to interconnection costs.

AESO.DUC-003

Reference: POD Charges and PSC Evidence of DUC – Page 30, Lines 5-9

“In most instances, large substations over 40 MW would require multiple transformers. With more than one transformer, substations costs increase as additional breakers and other equipment is required. However, the AESO’s definition of a standard service is a single transformer and associated equipment.”

Request:

Please reconcile the referenced statement with the following:

- (a) Article 1.1 of the AESO’s current tariff, which defines “standard facilities” to mean “the least-cost interconnection facilities which meet good transmission practice including applicable reliability, protection, and operating criteria and standards,” and
- (b) the data in the attachment provided in response to Information Request TCE.AESO-001 Attachment in the TCE Complaint Against AESO Application of AESO Contribution Policy (Application 1431750) (attached to this request), which shows that over 80% of substations serving more than 40 MW of DTS contract capacity include two or more transformers.