Tariff Design Advisory Group Session 11 - Summary



Date: Thursday, July 4, 2019 Time: 9:00am to 1:30pm

Location: BP Centre, 240 4th Ave, Calgary

Discussion Materials

Prior to the session, the following discussion materials were provided by email to TDAG members:

- · Meeting agenda
- Draft TDAG Meeting Notes May 9, 2019
- AESO response to TransAlta letter regarding cost allocation to exports
- Proposed amendment to the TDAG Terms of Reference for the Implementation Working Group
- Presentations shared at the beginning of the meeting: Capacity Cost Allocation Analysis (CCAA)
 WG Recommendations and Transmission Tariff (TT) WG Update

Attendees

Representative	Company or Organization	Present?	Alternate	Present?			
	Demand rate payer representation						
	Residential, farm and commercial consumers						
Richard Stout	UCA	Yes	Megan Gill	Teleconference			
Mark McGillivray	ENMAX	Yes	David Lenz	No			
Raj Retnanandan	CCA	Teleconference	Dustin Madsen	No			
Dan Levson	AFREA	Teleconference	Dave Butler	No			
	Indus	trial Consumers					
Vittoria Bellissimo	IPCAA	Yes	Richard Penn	No			
Grant Pellegrin	Cenovus	Yes	Horst Klinkenborg	No			
		and Response					
Colette Chekerda	ADC	Yes	Christian Lenci	No			
Surendra Singh	Alberta News Print	Yes	Christian Lenci	No			
		Load and Genera					
Dale Hildebrand	Dual Use Customers	,		No			
Kris Aksomitis	Cogeneration Working Group	Yes	Travis Tuchscherer	No			
Distribution Facility Owners							
Janene Taylor	ENMAX Corporation No Tony Martino		Tony Martino	Teleconference			
Leland Jernberg	FortisAlberta	Yes	Gerald Zurek	Teleconference			
	Repres	entatives-at-large					
Ed de Palezieux	Devon Energy	Yes	Rick Cowburn	Yes			
Bryan Krawchyshyn	TransCanada Pipelines	Yes	Mark Thompson	No			
Other interested parties							
Transmission Facility Owners							
Hao Liu	AltaLink	Yes	Rob Senko	Teleconference			
Generators (includes renewables)							
Colin Robb	Capital Power	Teleconference	Akira Yamamoto	Yes			
Energy Storage							
Patricia Phillips	Energy Storage Canada	No	Steven Oldale	No			

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Representative	Company or Organization	Present?	Alternate	Present?		
	Repres	sentative-at-large				
Tory Whiteside	Distributed Generation Working Group	Teleconference	Leonard Olien	No		
AESO						
Doyle Sullivan	AESO	Yes				
LaRhonda Papworth	AESO	Yes				
John Martin	AESO	Yes				
Trushal Umrania	AESO	Yes				
Facilitator						
Matt Gray	AESO	Yes				
Karla Reesor	Moving Forward	Yes				

Guests: None

Agenda

Time	# min	Agenda Items	Presenter
9:00 am – 9:15 am	15 min	 Introduction Welcome Session overview Review and approval of meeting notes from May 9 session Update on action items 	Karla Reesor, Facilitator
9:15 am – 9:20 am	5 min	Discussion item: Cost allocation to exports - TransAlta letter and AESO response Desired outcome: Determine TDAG direction on matter	Doyle Sullivan
9:20 am – 9:35 am	15 min	Discussion item: Implementation Working Group (IWG) - Proposed amendment to TDAG Terms of Reference to establish IWG Desired outcome: Determine TDAG direction on matter	Doyle Sullivan
9:35 am – 9:45 am	10 min	Information Item: Update from Transmission Tariff Working Group Q & A	LaRhonda Papworth

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Time	# min	Agenda Items	Presenter
9:45 am – 12:00 pm 135 min • • • • • • • • • • • • • • • • • • •		 Weightings Rate Sheet Terms and applicability Economic efficiency analysis Customer impact analysis 	John Martin
12:00 pm – 12:30 pm	30 min	LUNCH	
12:30 pm – 1:15 pm	45 min	 Discussion Item: Capacity Cost Allocation Filing Time blocks Desired outcome: Determine TDAG direction regarding a recommendation on this matter. 	Roundtable
1:15 pm – 2:00 pm	45 min	Discussion Item: Capacity Cost Allocation Filing Weights Utilize sum of EUE to directly set weighting vs applying a multiplier Desired Outcome: Determine TDAG direction regarding a recommendation on this matter.	Roundtable
2:00 pm – 2:15 pm	15 min	BREAK	
2:15 pm – 3:15 pm	60 min	Discussion Item: Capacity Cost Allocation Filing – Other Issues Desired Outcome: Determine TDAG direction regarding recommendations concerning other issues arising from discussion.	Roundtable
3:15 pm – 3:30 pm	15 min	Review of conclusions, action items and next steps	Karla Reesor
3:30 pm		Meeting adjourned	



Meeting Notes

Time	Item
9:00 am	Introduction Meeting notes from May 9, 2019 were approved with minor editorial revisions Updates on Action Items are noted below
9:15 am	2. Discussion Item: Cost allocation to exports
	Doyle Sullivan provided an overview of the AESO's response to the TransAlta letter regarding cost allocation to exports. No further discussion from the TDAG.
9:25 am	3. Discussion Item: Implementation Working Group (IWG)
	Doyle Sullivan reviewed the proposed amendment to the TDAG Terms of Reference to establish the IWG. It was noted that the WG will consider the design aspects of the tariff as well as the implementation.
	AESO is working with DFO representatives to finalize the TOR.
	Action - All are invited to provide input on revised TOR related to IWG. Send comments by July 25, 2019 to tariffdesign@aeso.ca
	Comments included:
	 It might be helpful to note that the AESO will not be directing the DFOs and REAs on what should be done for tariff design
	There are concerns about time of use and want to make sure that TOR deals with the
	 issue; concern is that it should remain a choice for the DFOs and REAs AESO noted that it intended to keep the TOR general to avoid precluding certain outcomes or actions
	 Would like analysis showing that capacity is a reasonable cost for customers; might connect to communications
	Re: billing – how will the costs be recovered in rates? Will need to be considered by IWG
	The size of the IWG will be larger than other WGs. There may be some variability of participants depending on the topic being discussed.
	Confirmed participants for the IWG include:
	Leland Jernberg - FortisAlbertaJanene Taylor - ENMAX
	Vittoria Bellissimo - IPCAA
	 Mark McGillivray – ENMAX Corp Rick Cowburn - CWSAA
	Richard Stout - UCA
	Dan Levson - AFREA
	Action – Any other nominations for the IWG should be sent to tariffdesign@aeso.ca by July 25, 2019. The AESO will name a Chair.
9:40 am	4. Information Item: Transmission Tariff WG Update
	LaRhonda Papworth (Chair) provided an update regarding work completed. AESO indicated that there are several qualified consultants who have expressed interest in performing the studies.

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Depending on availability of WG members, there may be one or two meetings over the summer. Other priorities have prevented the TTWG from making as much progress as initially anticipated. 5. Information Item: Capacity Cost Allocation Filing Overview 9:55 am John Martin (Chair) provided an overview of the AESO's proposed application filing and addressed the following topics: Time blocks Weights Economic efficiency analysis Rate sheet applicability and time block volumes The AESO is still working on customer impact analysis and it will be shared along with deferral account approach at the industry session on July 16, 2019. The AESO is planning to file the application on July 26, 2019. Time Blocks: WG continues to recommend "Option K" time blocks from April 15 WG examined rates with shorter weekend time block: shorter weekend (light-weight) time block affected rates in multiple time blocks (weekday, weekend and overnight); shorter weekend time block did not improve hours having "reasonably similar" expected unserved energy in time blocks Weights: WG recommends weights be based on net-CONE procurement volume Unserved energy at net-CONE volume continues to support time blocks Unserved energy at net-CONE volume results in higher high-weight rate Multiplier: AESO plans to propose cost allocation with 1x multiplier for all time blocks AESO's view is that a 1x multiplier for all time blocks results in reasonable prices Comments from participants included a concern that analysis conducted by AESO and WG mixes some historical data with broad future assumptions: alternative analysis may be needed with more narrow assumptions to provide a better stress test on the prices for different time blocks It was also noted that the analysis should include the price volatility within the time periods; AESO does not plan to release the hourly mitigated pool price; another option may be to release the distribution of hours/pool prices AESO's view is that a high-weight multiplier greater than 1x is not necessary; the 1x multiplier provides a sufficiently high price for loads to be responsive Rate Sheet ("Rate ACC" – Allocation of Capacity Market Costs) Rate ACC applies to system access service provided under DTS, FTS, DOS, XOS, XOM, as well as to the owner of an electric distribution system who pays charges to the ISO in accordance with the Isolated Generating Units and Customer Choice Regulation ISO must determine the energy in each time block in a settlement period, for each system access service provided under Rate DTS, as metered energy for the Rate DTS system access service plus electric energy supplied by a generating unit or aggregated generating facility that:

Customer Choice Regulation;

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Is not an isolated generating unit as defined in the Isolated Generating Units and

Is connected to the electric distribution system at the Rate DTS point of delivery;



and

 Has the electric energy it generates measured on an hourly basis through metering equipment approved for determining a charge under the *Electricity and Gas Inspection Act.*

Work remaining to be completed includes examination of impact on individual consumer bills, and estimate of deferral account magnitude arising from volume variances.

11:15 am

6. Discussion Item: Time Blocks

AESO Proposed Recommendation: "Option K" with 4 time blocks from April 15.

TDAG members were invited to provide their views on the proposed time blocks.

Comments included:

- Some parties prefer initial 3 time blocks rather than 4 if weights were adjusted within time blocks
- Time blocks do not correlate with tight supply hours in which generating unit performance will be measured and may not maximize impact load load reduction could have during tight supply
- A participant noted that to achieve consensus, AESO may need to hire expertise to create
 an integrated model with key assumptions; with current information, it is challenging for
 participants to assess impacts on their customers; AESO noted that consensus is typically
 more achievable when relying on historical data rather than forecasts

Conclusion: Some TDAG members are supportive of AESO's recommendation for 4 time blocks and other members prefer 3 time blocks.

11:45 am

7. Discussion Item: Weights

AESO Proposed Recommendation: That weights be based on net-CONE procurement volume. TDAG members were invited to provide their views on weights.

Comments included:

- Parties noted that they need additional time to consider implications
- Net-CONE approach (combined with other AESO recommendations) will not create a strong enough price signal for loads to respond
- There may be a large impact on certain customer classes

Conclusion: When comparing the two options presented, most parties but not all prefer that weights be based on net-CONE procurement volumes.

AESO Proposed Recommendation: Cost allocation with 1x multiplier for all time blocks. Comments included:

- It is unknown how responsive load will be to fixed time blocks.
- AESO should keep in mind that some customers may now build more behind-the-fence generation; price-responsive loads may be driven off the grid
- Have muted the value of the price-responsive loads
- There will be a need to explore opportunity services or other options for the transmission to riff
- Some parties indicated that AESO is taking a very simplistic approach to analysis of a complex matter; has resulted in some sectors concluding that capacity market will not work
- Some parties indicated that AESO has made the best of a challenging situation with the constraints of the regulations; some parties struggle with assumptions made on price-

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	responsive load; would like to see more transparency on the assumptions in the hearing			
	 Re: losses and allocation of losses – the AESO has not developed that part of the application yet 			
	There is some concern about unintended consequences; if customers end up leaving the system, it may be a bigger concern; the AESO may want to alert the AUC to that risk			
	Conclusion: Some TDAG members support the 1x multiplier and others are seeking a higher multiplier for the high-weight hours.			
1:10pm	8. Meeting wrap up			
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1.10pm	Round table			
Τ.ΤΟΡΙΠ	Round table The AESO should consider providing rationale for July 26 filing date			
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Report on past action Items

#	AG Action Items	Action by	Due Date	Status	
Session 10 – May 9, 2019					
Action Item 1	Share high level summaries of proposed studies with TDAG (TT WG)	LaRhonda Papworth	June 30	Will be shared prior to next TDAG meeting	
Action Item 2	Provide or confirm names of representatives for new DFO Working Group: • REAs • DFOs (including Municipalities) • Consumers • Industrials • Retailers	Dan Levson Leland Jernberg Janene Taylor Rick Cowburn Vittoria Bellissimo Mark McGillivray	May 16	Send proposed representative for each sector to tariffdesign@aeso.ca	
Action Item 3	Prepare scope for new DFO Working Group. Share scope and membership at TDAG meeting on June 5 if possible.	Trushal Umrania	May 31	Work with AESO, DFO reps and others as appropriate to finalize the TOR after receiving any further comments from parties (See Action Item 2 from July 4)	

Action items assigned this session

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#	AG Action Items	Action by	Due Date	Status		
Session	Session 11 – July 4, 2019					
Action Item 1	Provide input on revised TOR related to IWG.	TDAG members	July 25	Send comments to tariffdesign@aeso.com		
Action Item 2	Provide additional nominations for the IWG. The AESO will name a Chair.	TDAG members	July 25	Send proposed representative to tariffdesign@aeso.ca		

Report on Decision Items

Session (S# + date)	(#)	AG Decision Items
2018		
August 17		Advisory Group established
S1- August 23	Decision Item 1	Advisory Group approved Terms of Reference with changes
S2 – September 6	Decision Item 2	Advisory Group approved work plans with changes
	Decision Item 3	Data Requirements Working Group struck
S3 – October 4	Decision Item 4	Capacity Cost Allocation Analysis Working Group struck
S4 – November 8	Decision Item 5	Cost Causation Working Group work struck
S5 – December 5	Decision Item 6	Terms and Conditions Working Group struck
	Decision Item 7	Data Requirements Working Group concluded
	Decision Item 8	Transmission Tariff Design Working Group struck
S7 – February 7, 2019	Decision Item 9	Approved plan for studies and data collection proposed by Tariff Design Working Group
S-9 - April 15, 2019	Decision Item 10	CCAA WG recommendation of four time blocks accepted by TDAG
S-9 April 15, 2019	Decision Item 11	Chair duties for TTWG assumed by LaRhonda Papworth
S-10 May 9, 2019	Decision Item 12	DFO Rate Design and Implementation Working Group struck