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To: Tech Forum

Cc: Ochoa,J. Diego (BPA) - TSE-TPP-2; Fredrickson,Rebecca E (BPA) - TSPQ-TPP-2; Nichols-Kinas,Lauren (BPA) - TSP-TPP-2

Subject: Network Cost Allocation and Network sytem planning and design criteria

Thank you for the presentation at the May 6th Transmission planning workshop. We have some follow-up question on Network POR/POD design criteria below:

POD capacity values in transmission planning and system design studies:

- 1) We assume transmission planning uses the highest annual value within the planning horizon at each "POD non-coincidental peak" in its design and sizing criteria for each POD. Please confirm that assumption.
- 2) If not, what do you use in determining the capacity sizing at each POD?
- 3) Are other than 1-in-2 forecasted peaks used to determine the maximum loading for design/build criteria at PODs?
- 4) If not how do planners address reliability at those PODs for the expected maximum loading (e.g., more extreme weather peaks than 1-in-2)?

POR capacity values in transmission planning and system design studies:

- 5) Are there similar Point of Receipt (POR) values in transmission planning studies?
- 6) If so how many POR values are there (BPA indicated at the May 6th workshop that there were ~900 PODs)?
- 7) What are POR values based upon in planning studies? Do the POR values change across scenarios? Please explain.
- 8) What determines the final capacity size at each POR in system design studies?

System Design vs reliability studies:

- 9) What studies determine the design capacity at each individual POD and POR, are these studies other than the reliability and NOS studies? Please briefly explain these studies.
- 10) Can final design capacity values at each POR and/or POD be determined and made available? Can both or either of POR/POD capacity values be indicated as related to PTP or NT service?
- 11) What studies determine the design criteria for transfer paths and flowgates?

Please let me know if you have any questions or clarification. Thank You.

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