NT Service Resource Assumptions

November 17, 2015

Historical Approach - NT Service Resource Assumptions

- Through the annual Long-Term ATC Base Case updates, BPA utilizes load and resource assumptions to calculate Existing Transmission Commitments (ETC) and ultimately the Available Transfer Capability (ATC) available for sale to the market.
- For NT Service BPA utilizes the following assumptions when calculating ETC:
  - Load – informed by 10-year load forecasts
  - Resources – informed by currently designated resources, and default assumption that FCRPS will be the sole resource serving all future load growth.
- This assumption was developed in 2002.
- Since NT customers are forecasting non-federal resources to serve future load growth, the default FCRPS assumption used to calculate long-term ATC is no longer appropriate.
- BPA will be updating its resource assumptions informed by NT Customer 10-year resource forecasts.

Pre-decisional. For Discussion Purposes Only.

Updated Resource Assumptions for NT Service

- As of November 2015, informed by NT Customer-supplied resource forecasts and historical trends, BPA will be adjusting its resource assumptions and not assume only the FCRPS will serve future load growth.
  - BPA has included an assumption that a portion of the NT Customers load growth will be served by generation in the Mid-C BAAs.
  - The table on the following page represents the incremental cumulative long-term ATC BPA has reserved on each flowgate, as a result of the updates in resource assumptions.
  - In order to reflect this ETC, at this time BPA will create Transmission Service Requests (TSRs) reflective of those amounts.

Pre-decisional. For Discussion Purposes Only.

Impact of Updated Resource Assumptions for NT Service

	MW Demand	CCN	CCS	SOC	NOEL	NOH	NOJD	PA	RP	SOA	WOJD	WOM	WOS	WOLM
2017	48					15	7							
2018	84					25	12							
2019	111					33	16							
2020	270					80	38	11		13				
2021	308					91	43	12		15				
2022	367	11				109	52	15	12	19				
2023	401	12	11			119	56	17	13	21				

- As shown in the table above, there is a modest increase to the cumulative transfer capability needed for the updated NT resource dispatch assumptions across the 2017-2023 timeframe.

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Documents and Next Steps

- BPA is clarifying two ATC Documents to reflect the use of 10-year resource forecasts within the ATC Methodology and the associated process that will be utilized to reserve ETC.
  - Impacts of Long-Term Firm Requests and Accepted NT Resource Forecasts, V12
  - ATC and AFC Methodologies for the Planning Time Period, V10
- As BPA places more emphasis on NT Customer 10-year resource forecasts to help inform the relevant studies and modeling of how the system may be utilized, BPA will conduct a more formal dialogue in the near future with all the NT Customers to review resource forecasts.

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