

Long Term Available Transfer Capability (LT ATC) Metrics

September 23, 2020



Agenda

- Background/Objective
- Proposed Long-Term ATC (LT ATC) Metrics
- Next Steps

Background

- During the Pro Forma Gap Assessment process, BPA committed to work with the customers to develop metrics to determine how well the LT ATC is meeting objectives and whether other tools may provide better insight into LT availability than the currently posted LT ATC.
- BPA also committed to allowing customers the opportunity to evaluate the new tools prior to making a determination to cease posting LT ATC.

Objective

- LT ATC metrics should align with the objectives in BPA's Strategic Plan and Transmission Business Model
 - Meet transmission customers needs efficiently and responsively
 - Be a dependable and responsive business partner
- The LT ATC metrics will:
 - Inform BPA and customers of how effective our current LT ATC methodologies and associated business practices are, and;
 - Identify potential information/tools that allow customers to effectively evaluate transmission availability.
- BPA is committed to working with customers to develop valuable LT ATC metrics.

Metric #1: ATC vs Study

- Posted LT ATC numbers will be compared to the needs assessment study used in BPA's Cluster Studies, which identifies flow gate deficiencies as well as which LT transmission requests require a plan of service/transmission upgrade prior to being granted
- BPA will measure the delta to determine how far apart the numbers are and track over time
 - The data needed to track this metric would be a summary of LT ATC posted at each flowgate compared to the flowgate availability from the needs assessment study
 - This metric will show the magnitude of the difference of the posted LT ATC numbers versus the needs assessment.

Metric #2: LT ATC Not Awarded

- MWs not awarded from posted ATC compared to MWs found not to need a plan of service as a result of the cluster study
 - BPA would measure how many MWs were offered a study agreement that, as a result of the needs assessment and/or Cluster Study, did not need a plan of service
 - The data needed would be a summary of the requests/demand that went into the Cluster Study that did not require a plan of service (not intended to be a zero delta but to monitor causes and drivers over time)

Metric #3: “What-If” vs CTIM

- Measure the “what-if” scenarios that are processed by the BPA Res Desk over time to see if the Commercial Transmission Inventory Map (CTIM) has an impact (do customers use CTIM vs “what-if” scenarios)
 - Measure the number of request forms filled out by Res Desk over time
 - Analysis would be an annual summary of “What-If” scenarios that came to the reservation desk and (if possible) the annual summary of CTIM usage
 - This analysis will tell BPA if customers are migrating to the CTIM over time. If so, this information informs customers and BPA when the right time might be to revisit the posting of the LT ATC.

Metric #4: Conditional Firm (CF) Quality

- Assess the validity of conditional curtailment definitions against conditional curtailment events
 - Measure how often CF is conditionally curtailed compared to the conditions defined within CFS reservations (i.e. accepted CFS offers)
 - Data would be a summary of the number of occurrences (e.g. Hours & MW) service is conditionally curtailed per the CFS contract condition(s)
 - This metric tells us how the CFS is performing against BPA's defined conditions (i.e. is BPA establishing the correct level of conditionality)

Next Steps

- BPA is interested in hearing your feedback on the proposed LT ATC metrics
 - Should BPA adopt these metrics and begin tracking data?
 - Should BPA consider additional metrics than were presented today?
- Please submit comments by October 7th to techforum@bpa.gov.
- We will work with customers to develop final metrics (duration dependent on level of customer interest)
- Assuming these metrics are adopted, BPA can begin tracking:
 - Metric 1 could be applied to the next LT ATC Base Case update, currently scheduled for public release in October-November 2020
 - Metric 2 could be applied to conclusion of the next Cluster Study, currently scheduled to conclude in the May/June 2021 timeframe
 - Metrics 3 and 4 - BPA can produce an annual report that summarizes CFS curtailments data.