Transmission Usage Update

December 16, 2020
Objective

BPA is providing the following Transmission Usage Data:

- Congestion data from the previous 3 months (September - November)
- Flows on Satsop Injection, North of Echo Lake (NOEL) and South of Custer (SOC)
- Details of a Satsop Non-Firm curtailment
ATC Short-Term Constraints

BPA Constraints
Short Term 0 - 13 Months
- Short term flow-based constraint
- Short term 1:1 constraint
- BPA Transmission Lines
- Other Transmission Lines

Pre-decisional. For Discussion Purposes Only.
Actual Flows Within 20% of Dynamic TTC

Pre-decisional. For Discussion Purposes Only.
# System Event Details

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curtailments:</td>
<td>1 (on Satsop [0 on SOC and NOEL Flowgates])</td>
</tr>
<tr>
<td>TLR Avoidance Events (15 min segments):</td>
<td>0 (TLR Avoidance Events)</td>
</tr>
<tr>
<td>Refused TSRs due to TLR Avoidance:</td>
<td>0 (Refused TSRs due to TLR Avoidance)</td>
</tr>
<tr>
<td>Planned Outages:</td>
<td>1 (Detailed on following slide)</td>
</tr>
<tr>
<td>Percentage of hours where actual flows were within 20% of TTC:</td>
<td>1.76% - System-wide (22.21% across Satsop Flowgate) (9.65% across NOEL Flowgate) (0.74% across SOC Flowgate)</td>
</tr>
</tbody>
</table>
# Satsop Injection Outage Summary

<table>
<thead>
<tr>
<th>TTC (MW)</th>
<th>TTC Variance (MW)</th>
<th>Annotation</th>
<th>Start</th>
<th>Stop</th>
</tr>
</thead>
<tbody>
<tr>
<td>650</td>
<td>-</td>
<td>SATSOP - All Lines in Service (Year Round)</td>
<td>2020-09-16 12:00:00 PD</td>
<td>2021-12-01 00:00:00 PS</td>
</tr>
<tr>
<td>570</td>
<td>-80</td>
<td>BPA - SATSOP-SHELTON 1 230kV LINE</td>
<td>2020-11-09 07:00:00 PS</td>
<td>2020-11-09 15:00:00 PS</td>
</tr>
</tbody>
</table>
Dispatcher Actions

- **HE 8**  
  Curtailment due to schedules exceeding the reduced TTC for the hour.

- **HE 9 & 10**  
  No curtailments as schedules did not exceed reduced TTC

- **9:09**  
  Outage was canceled and TTC reset to 650 MW
Wrap Up

- See additional transmission data at the TC-20 Hourly Firm page:
  https://www.bpa.gov/transmission/CustomerInvolvement/TC20Implementation/HourlyFirm/Pages/default.aspx

- Please send Questions/Comments to techforum@bpa.gov, with a copy to your Account Executive