# Response to Customer Comments on Hourly Firm and ATC on March 17, 2020 Workshop

Customer Comment Themes - HF	BPA Response
<ul> <li>What has BPA been able to discern from the data collected to date.</li> <li>Possible questions:</li> <li>What were the objectives of this change in policy, and is the system responding as anticipated?</li> <li>Have BPA's operators noticed any changes in their day-to-day activities since the changes?</li> <li>Can BPA parse the effect of limiting hourly firm to ATC, versus the effect of limiting hourly firm scheduling to day-ahead.</li> </ul>	Will provide response to these questions at the June Customer Workshop.
How is BPA integrating the feedback it has solicited from customers as a part of this analysis, specifically "Bonneville will consider this customer experience information during the evaluation of the hourly firm product"	Based on customer feedback BPA has implemented earlier TTC posting, ATC improvements, and offered a non-firm ATC Pilot. Additionally, BPA will provide a response to feedback received from the formal request for feedback at the June Customer Workshop.
Deep Dive on the February 2020 North of Echo Lake slides.  Specifically, we are interested in better understanding the schedules and what type of reservations the schedules were depending upon when the peak flows occurred including:  a. total of net schedules;  b. the reservation types associated with the total non-netted schedules.  c. Breakout reservations N>S  d. Breakout reservations S>N	For items a. & b. See Slides 4-9 Items c. & d. will be addressed at the June Customer Workshop.

### **Customer Comment Themes - ATC**

#### **BPA Response**

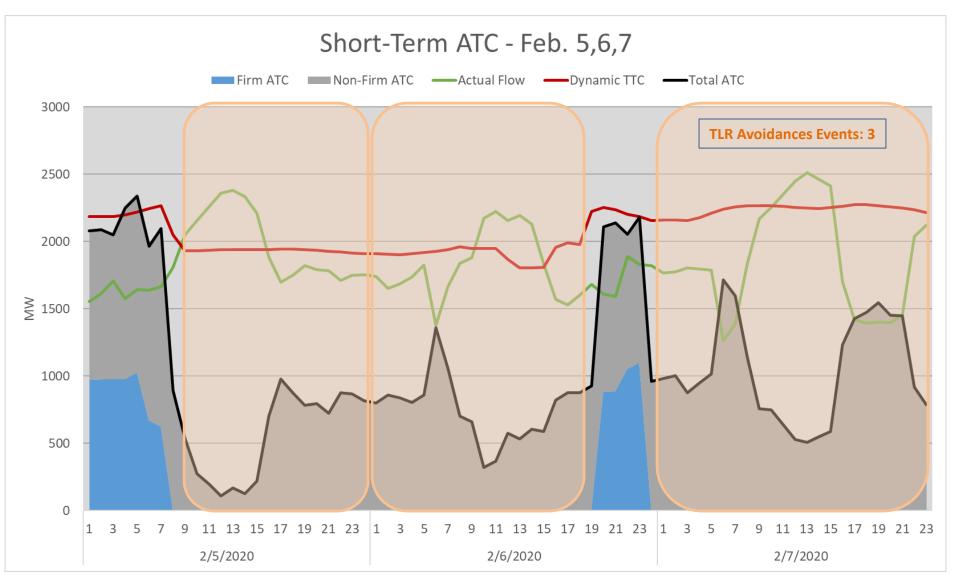
Understand the possible consequences of setting negative Existing Transmission Commitment (ETC) values to zero. Some potential questions would include:

- Are there potential "real" counterflows that are being disregarded due to this shift?
- Is there a realistic case where negative ETC could exist due to system topology and existing commitments?
- Is negative ETC strictly a function of power flow modeling

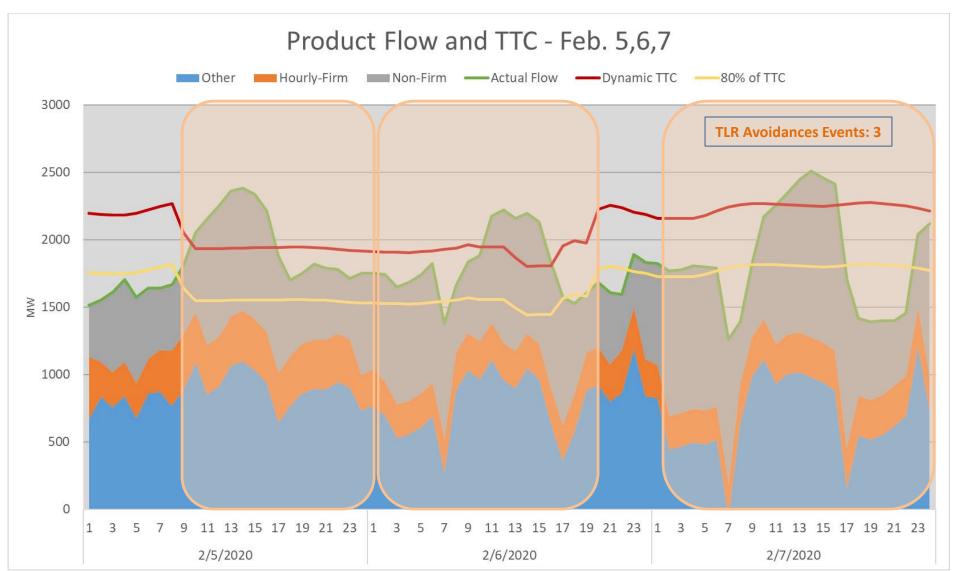
- Real counterflows are not being disregarded with this change. BPA will continue to account for counterflows when calculating non-firm ATC in the real-time horizon based on schedules submitted.
- BPA's ETC power flow studies model purchased rights. There are possible situations where negative ETCs could exist, but this would require customers to schedule all of their purchased rights as modeled in that case.
- Negative ETC is not strictly a function of power flow modeling.
- See slides 10-12 for additional info.

Historical analysis by month for the past 5 years of (a) the number of reservations, (b) the MWhs, and (c) the peak MW amount that were granted because negative ETC was the practice. In other words, how frequently and by how much did the total granted reservations exceed ATC over the past 5 years?

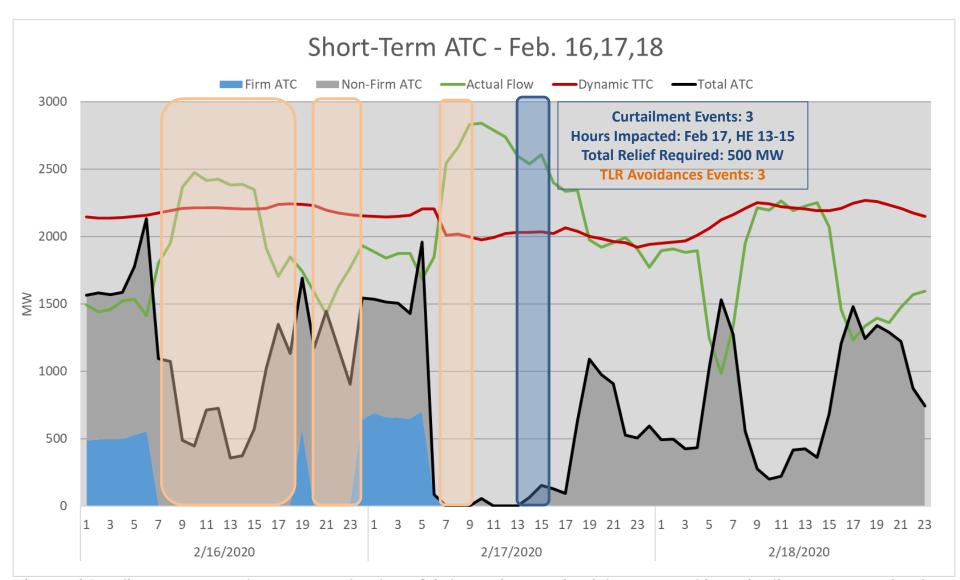
See Slides 13-15 (ATC Data is only available back to 08/2019)



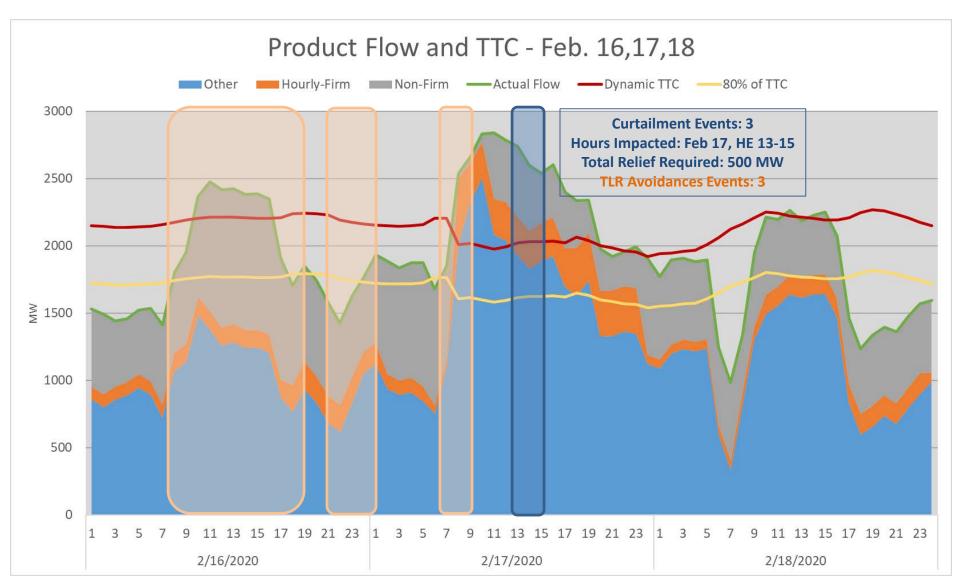
\*TLR and Curtailment representations are approximations of their actual start and end times. TLR avoidance details were presented at the March 17th, 2020 customer meeting. Presentation posted at: <a href="PresentationLink">Presentation Link</a>



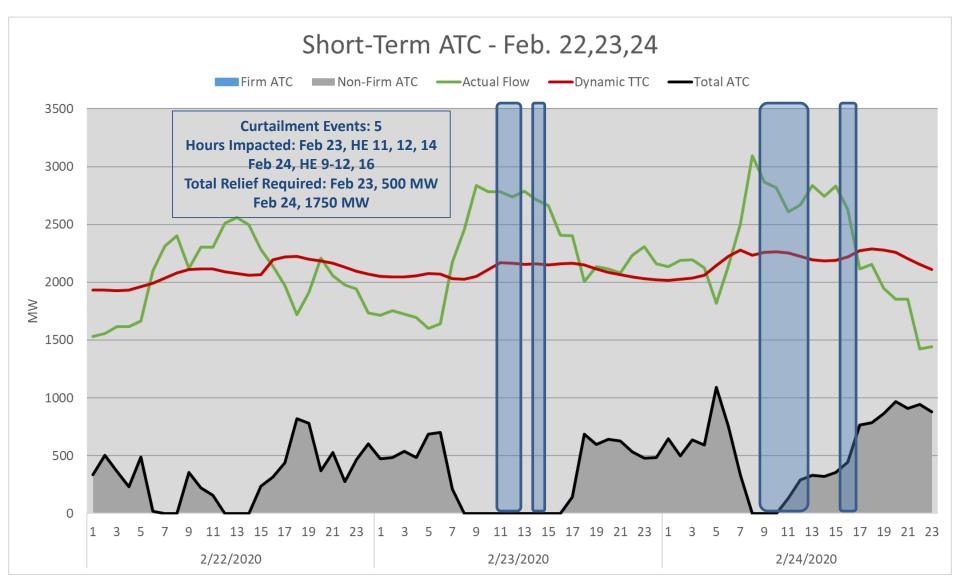
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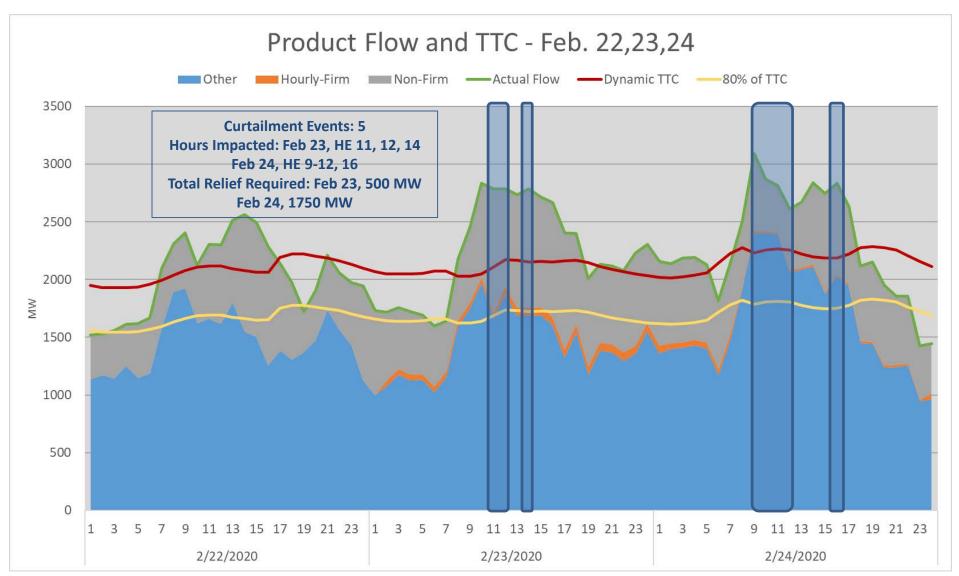
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# Negative Existing Transmission Commitments (ETCs) from Power Flow Studies

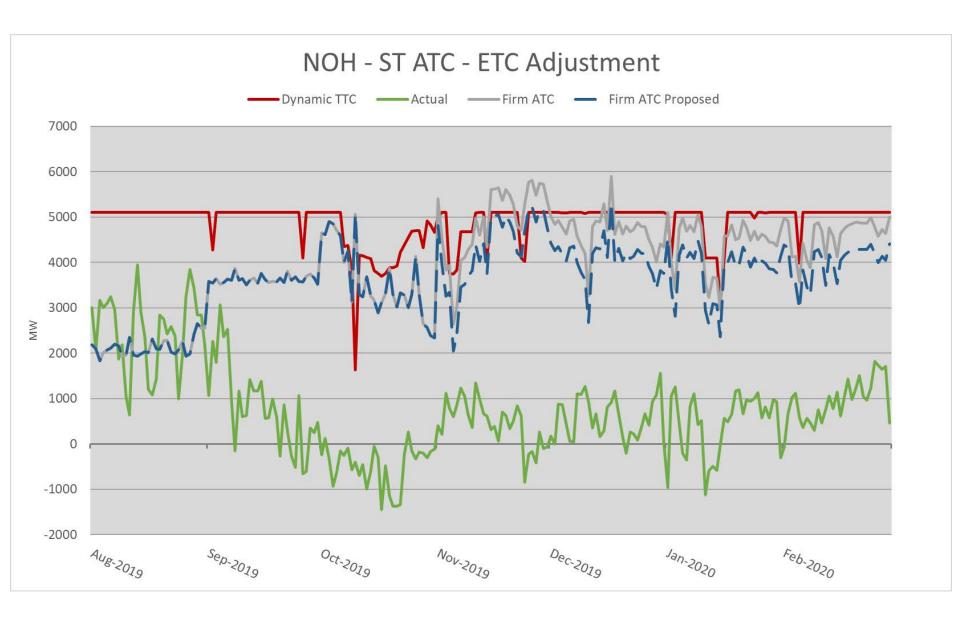
- BPA has received customer feedback on the proposal to use zero as the base ETC value when power flow studies result in negative base ETCs
- BPA has pulled some additional data that customers requested at the March 17th meeting, and is providing this data and summarizing the rationale behind this proposal in the following slides
- 3. BPA will be implementing this change at the end of May 2020

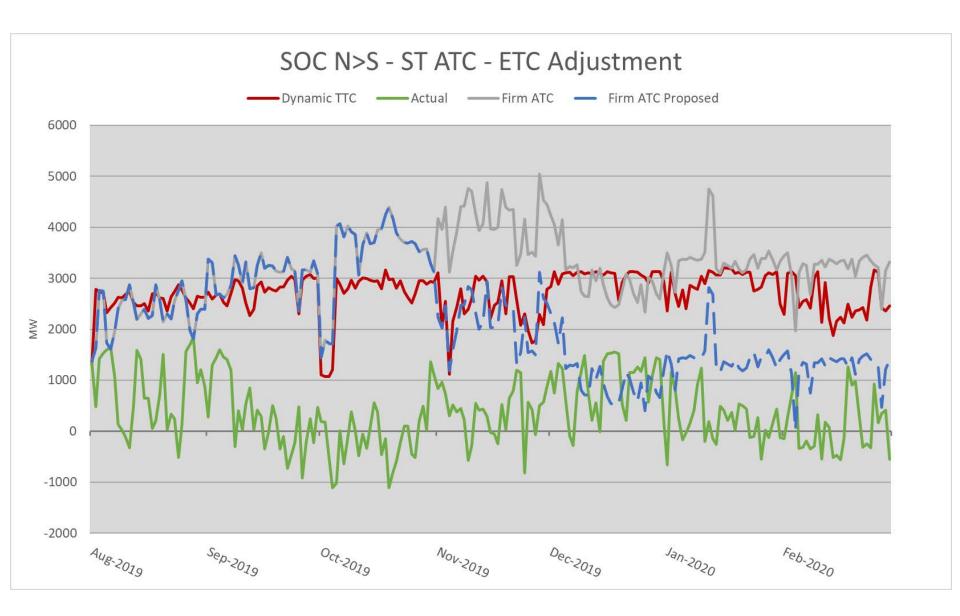
## **Negative ETCs from Power Flow Studies (cont.)**

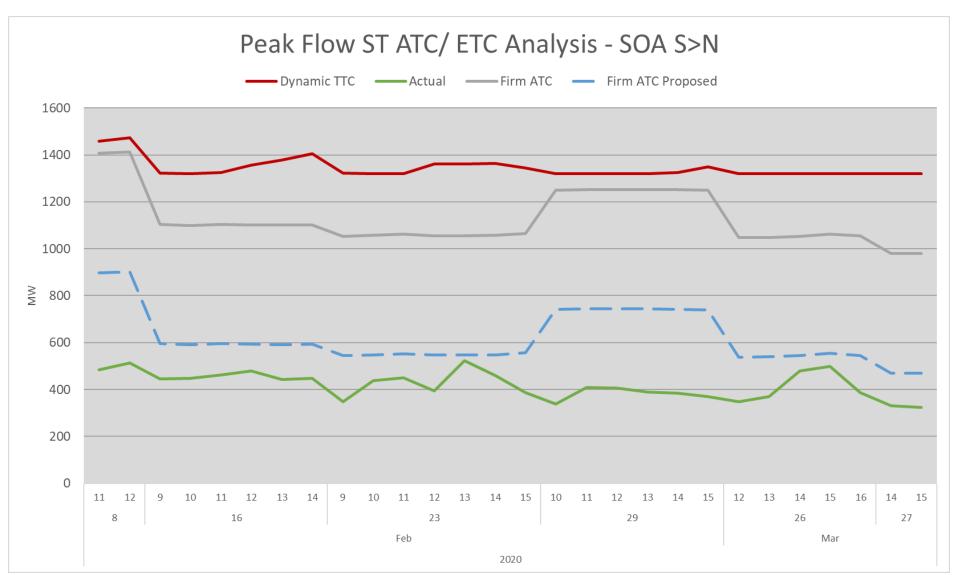
- 4. Negative ETCs in the power flow studies indicate that power is expected to flow counter to the constrained path, based on the specific assumptions in the power flow study
- BPA does not believe it's prudent to include negative ETCs from power flow studies in its Available Transfer Capability (ATC) calculations
  - a. At the March 17<sup>th</sup> customer meeting, BPA demonstrated that negative ETCs were resulting in firm ATCs that were in excess of path ratings
  - b. ATC that is in excess of the path rating may result in that path being oversubscribed (thus leading to firm curtailments)
- 6. Real counterflows are not being discounted by this change BPA will continue to incorporate counterflows into its non-firm ATC calculations in the real-time horizon, as is currently being done

## **Negative ETCs from Power Flow Studies (cont.)**

- 7. By using zero in instances where power flow studies have resulted in a negative ETC, BPA is aligning its short-term ATC calculations with BPA's long-term ATC calculations
- 8. Slides 13-15 demonstrate that reductions in ATC that will result across paths when negative ETCs are discontinued will not adversely impact customers
  - a. Reducing the ATC by the amount of the negative ETC would not have resulted in the failing of any Transmission Service Requests due to lack of ATC across these paths
  - b. This proposal does not take away any ATC that customers were relying on in the past







<sup>\*</sup>Details listed above represent hours where difference between actual flows and Dynamic TTC is less than 1000 MW. ATC detail shown above represents ATC remaining after all TSRs had been processed.