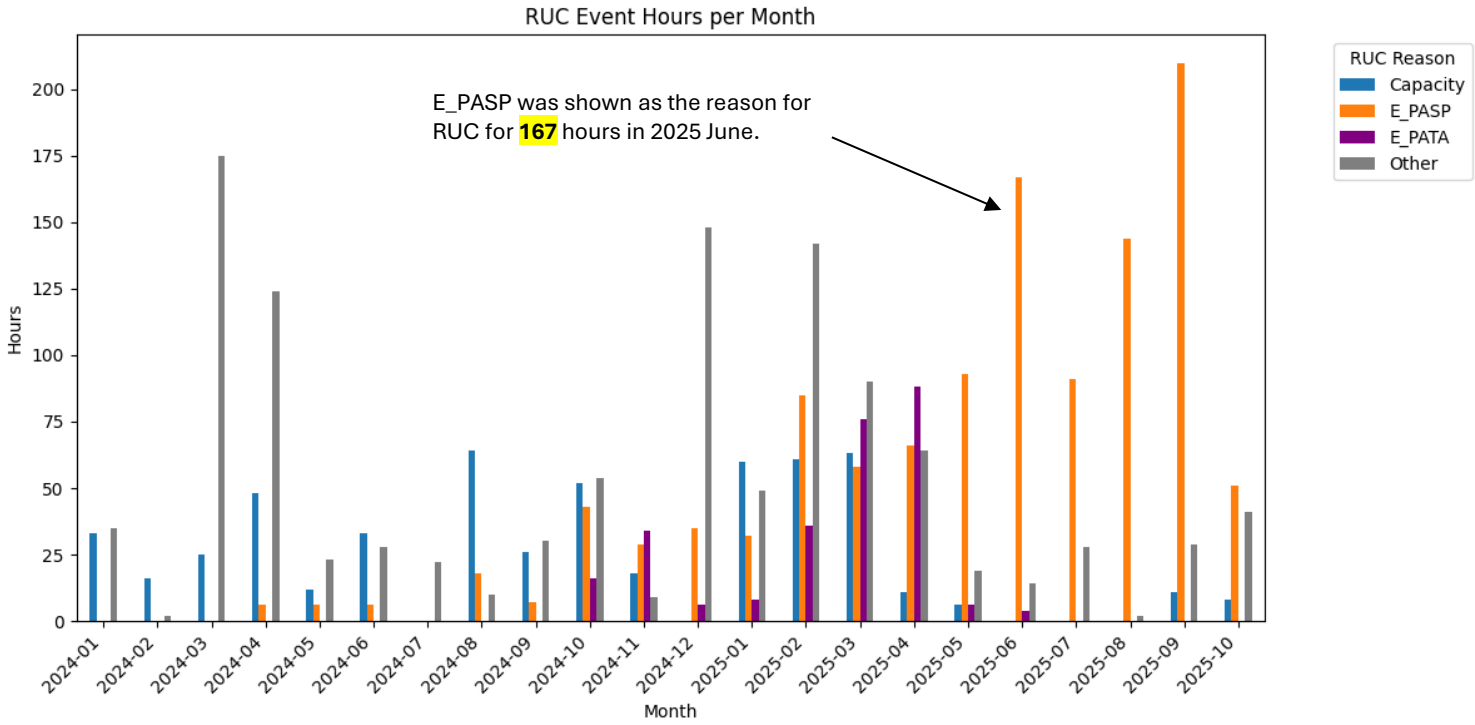
RUC Analysis: PASP GTC

October 20, 2025

CMWG Discussion

PASP: Key Driver of RUC Commitments

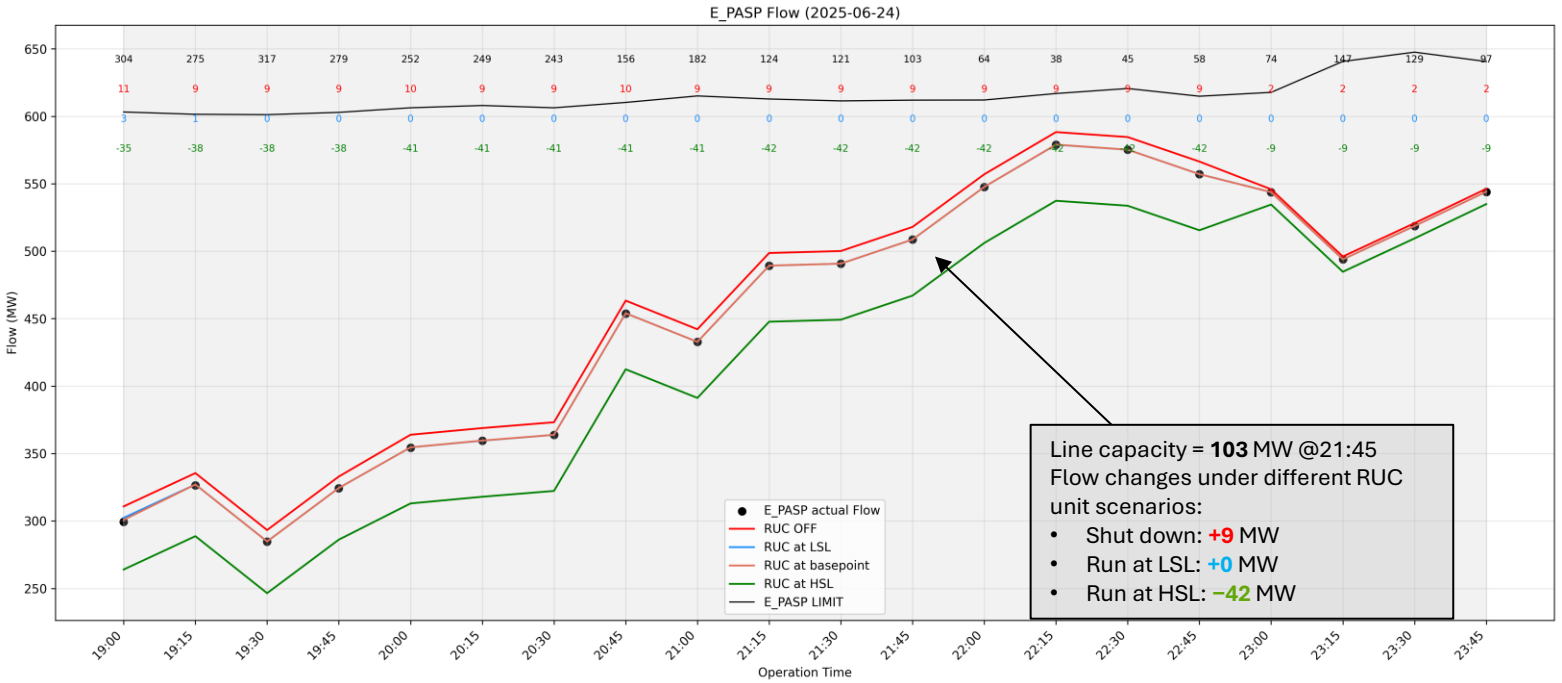
PASP has been the main contributor driving RUC commitments in recent months



Goal of the analysis:

- Pawnee to Spruce (PASP) GTC has been the cause of RUC for 997 number of hours since the beginning of 2025 and it represents 52% of the RUC reasons for the year thus far.
- Identified a few days when RUC reason was PASP GTC yet the flows indicate that such RUC may have been unnecessary:
  - 06/24/2025
  - 05/24/2025
  - 06/15/2025
- We would like to understand the context under which the RUC decisions were made and the variables used when making such RUC decisions for market transparency and to allow the market to anticipate such decisions.

RUC Analysis: 06/24/2025



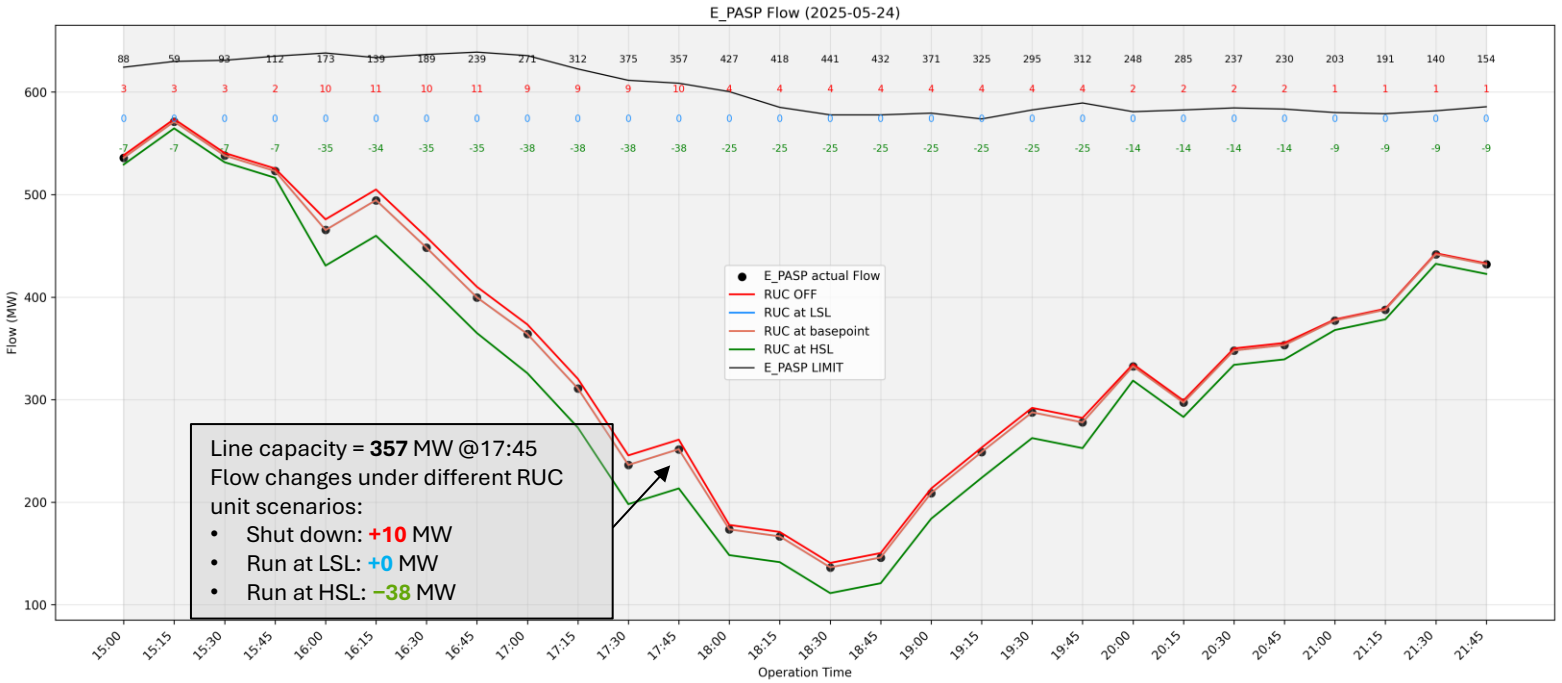
06/24/2025

Time	RUC units #	Total LSL	Total HSL
21:45	7	463 MW	2525 MW

Observations

- The line would still have significant available capacity, even if all RUC committed units were shut down.
- RUC committed units provide a very small unloading effect on the constraint. Only ~2% (~51/2,525) of the RUC units' HSL is translated to GTC flow change, which is a very inefficient way of resolving the line flow problem. Are there better units (higher shift factor) that can help the problem?

RUC Analysis: 05/24/2025



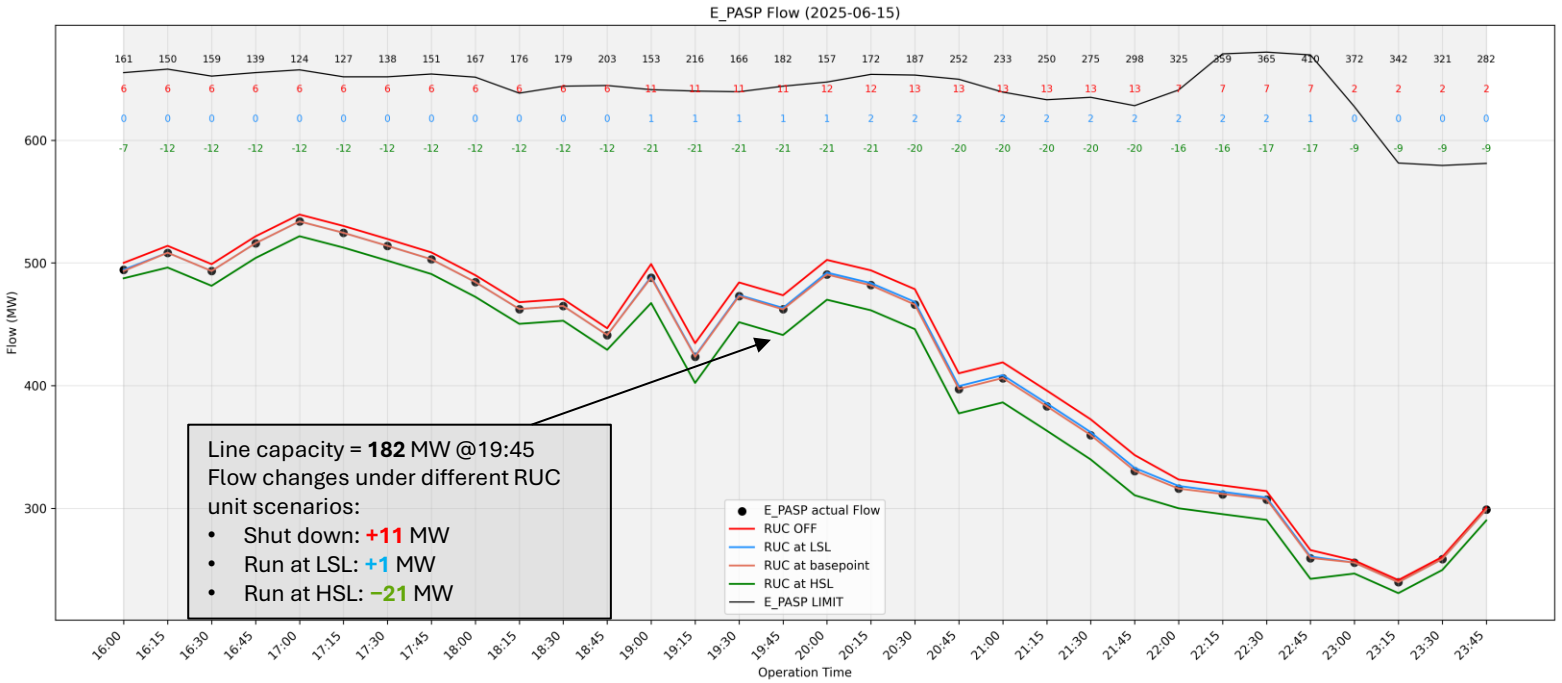
05/24/2025

Time	RUC units #	Total LSL	Total HSL
17:45	6	459 MW	2370 MW

Observations

- The line would still have significant available capacity, even if all RUC committed units were shut down.
- RUC committed units provide a very small unloading effect on the constraint. Only ~2% (~48/2,370) of the RUC units' HSL is translated to GTC flow change.

RUC Analysis: 06/15/2025



06/15/2025

Time	RUC units #	Total LSL	Total HSL
19:45	11	499 MW	1614 MW

Observations

- The line would still have significant available capacity, even if all RUC committed units were shut down.
- RUC committed units provide a very small unloading effect on the constraint. Only ~2% (~33/1,614) of the RUC units' HSL is translated to GTC flow change.

Next Steps

- Requests ERCOT's analysis on why Units were RUC committed due to PASP GTC on various days (dates highlighted in the presentation and other dates of interest identified by ERCOT)