



California ISO

Annual Summer ATC Assessment

Stakeholder call
03/31/2026

Engagement Best Practices



This call is being recorded for informational and convenience purposes only and will be available on the CAISO website. Any related transcriptions should not be reprinted without ISO's permission.



The meeting is structured to stimulate open dialogue and engage different perspectives.



The facilitator will provide guidance for comments and questions to ensure a productive flow. Please keep remarks succinct and avoid revisiting points that have already been covered, allowing space for all voices.



Closed Captioning and the Transparency Viewer are available at the bottom of the Webex screen.

Instructions for Raising Your Hand to Ask a Question



Please remember to state your name and affiliation before making your comment. After unmuting, please pause for two seconds before speaking to ensure your audio connects clearly.



If you are connected to audio through your computer or used the 'call me' option, select the raise hand icon located on the bottom of your screen.



If you are connected on the phone line only and not the Webex, dial *3 to be added to the raise hand queue.



You may send questions via chat to all panelists.



If you need technical assistance during the meeting, please send a chat to the event producer at Intellor Events.

Agenda

Time	Topic	Presenter
10:00 – 10:10	Welcome & introductions	Yelena Kopylov-Alford
10:10 – 10:30	Summer 2026 Monthly ATC Numbers	Licheng Jin
10:30 – 11:00	Path 26 Assessment	Licheng Jin
11:00 – 11:30	Reminders and Questions	Licheng Jin

Summer 2026 Monthly ATC: June 2026 through September 2026

ATC = TTC – ETComm - TRM

Intertie	June	July	August	September
CFEROA_ITC	376	376	376	376
CFETIJ_ITC	376	376	376	376
CTW230_ITC	1230	1230	1230	1230
IID-SCE_ITC	366	344	381	367
IPPDCADLN_ITC	334	111	106	103
MALIN500_ISL	16	255	269	127
NOB_ITC	567	66	65	0
PALOVRDE_ITC	1721	2136	2162	1613
SLYMAR-AC_ITC	2002	2013	2008	2025
TRACY230_ITC	928	923	921	918
TRACY500_ITC	2948	981	927	2981

Summer 2026 Monthly TTC: June 2026 through September 2026

Intertie	June	July	August	September
CFEROA_ITC	400	400	400	400
CFETIJ_ITC	400	400	400	400
CTW230_ITC	1308	1308	1308	1308
IID-SCE_ITC	750	750	750	750
IPPDCADLN_ITC	809	809	809	809
MALIN500_ISL	3400	3400	3400	3400
NOB_ITC	1622	1622	1622	1622
PALOVRDE_ITC	4178	4178	4178	4178
SLYMAR-AC_ITC	2600	2600	2600	2600
TRACY230_ITC	1314	1314	1314	1314
TRACY500_ITC	3862	3862	3862	3862

Existing transmission commitments (ETComm) are honored

ETComm consists of the following components:

- ETC and TOR commitments (legacy contracts) that are currently recognized in the market
- Wheeling Through Priority reservations (whether in daily or monthly horizon) which have already accessed ATC for a specific period
- Native Load commitments consisting of historical RA imports, contracted non-RA imports and accounting for load growth

Native load set-aside as part of ETComm

Intertie	June	July	August	September
CFEROA_ITC	0	0	0	0
CFETIJ_ITC	0	0	0	0
CTW230_ITC	0	0	0	0
IID-SCE_ITC	339	361	324	338
IPPDCADLN_ITC	426	649	654	657
MALIN500_ISL	1192	1431	1417	1559
NOB_ITC	958	1159	1160	1423
PALOVRDE_ITC	1475	1060	1034	1583
SLYMAR-AC_ITC	74	63	68	51
TRACY230_ITC	260	265	267	267
TRACY500_ITC	287	323	377	296

Wheeling Through Priority Reservations

- Summer Monthly Wheel Through Awards as of March 2026

Intertie	June	July	August	September
CFEROA_ITC	0	0	0	0
CFETIJ_ITC	0	0	0	0
CTW230_ITC	0	0	0	0
IID-SCE_ITC	0	0	0	0
IPPDCADLN_ITC	0	0	0	0
MALIN500_ISL	0	0	0	0
NOB_ITC	0	300	300	109
PALOVRDE_ITC	0	0	0	0
SLYMAR-AC_ITC	0	0	0	0
TRACY230_ITC	0	0	0	0
TRACY500_ITC	0	0	0	0

Transmission Reliability Margin (TRM)

- The TRM sets aside transmission capacity for different types of uncertainty that may materialize on the system, consistent with NERC MOD-008-1.
- For purposes of calculating reservation-based ATC in advance of market operations, the ISO sets the starting TRM at 6% of TTC.
 - 3% for forecast uncertainty in transmission system topology
 - Accounting for risk of forced outage on intertie
 - Ability to account for known limitations on Path 26
 - 3% for variations in generation dispatch
 - Accounting for unavailability of supply during peak load periods

TRM values across identified paths

Intertie	June	July	August	September
CFEROA_ITC	24	24	24	24
CFETIJ_ITC	24	24	24	24
CTW230_ITC	78	78	78	78
IID-SCE_ITC	45	45	45	45
IPPDCADLN_ITC	49	49	49	49
MALIN500_ISL	204	204	204	204
NOB_ITC	97	97	97	97
PALOVRDE_ITC	251	251	251	251
SLYMAR-AC_ITC	156	156	156	156
TRACY230_ITC	79	79	79	79
TRACY500_ITC	232	232	232	232



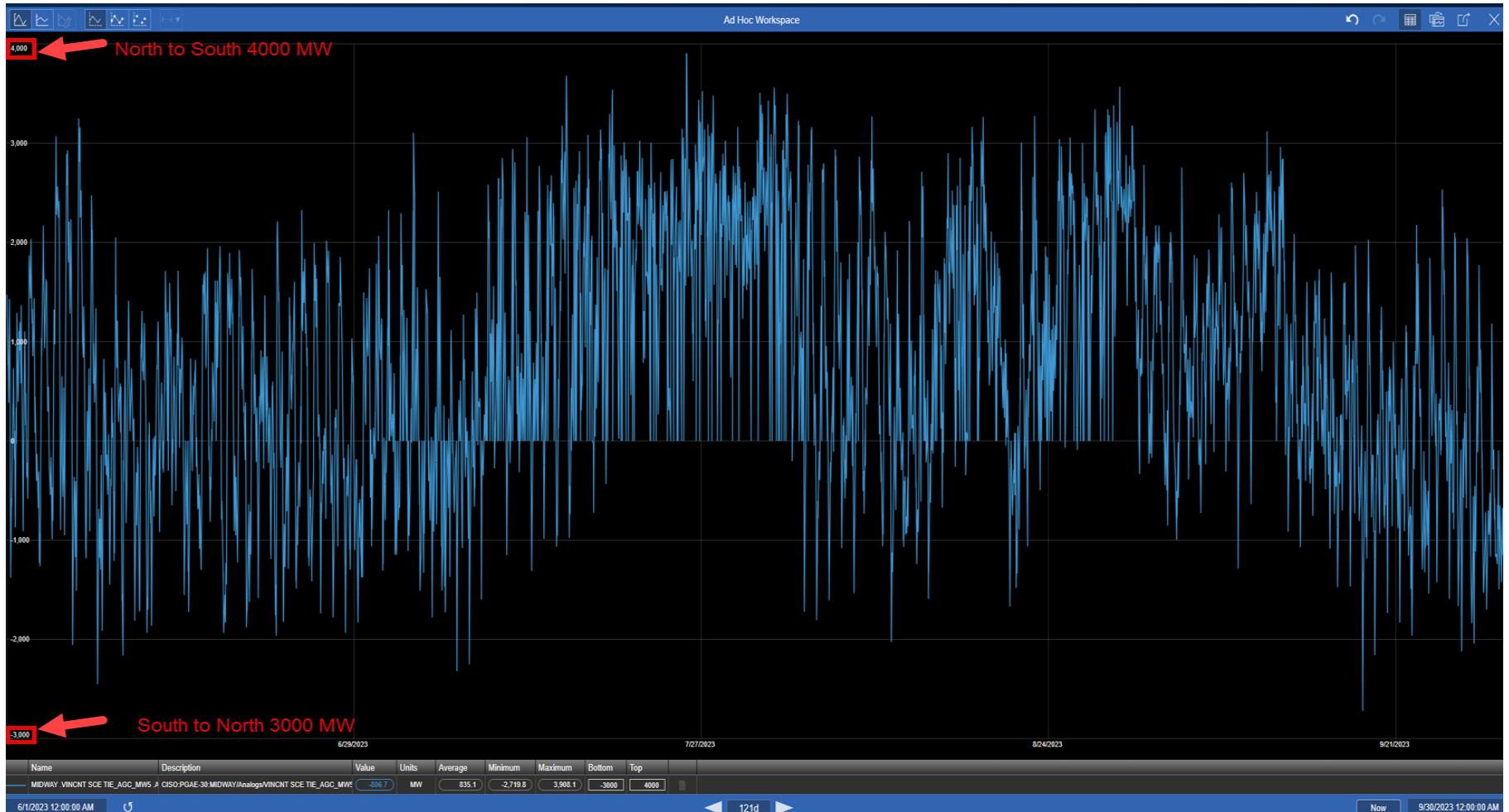
California ISO

Impact Analysis of Malin Wheel Through on Path 26

Agenda

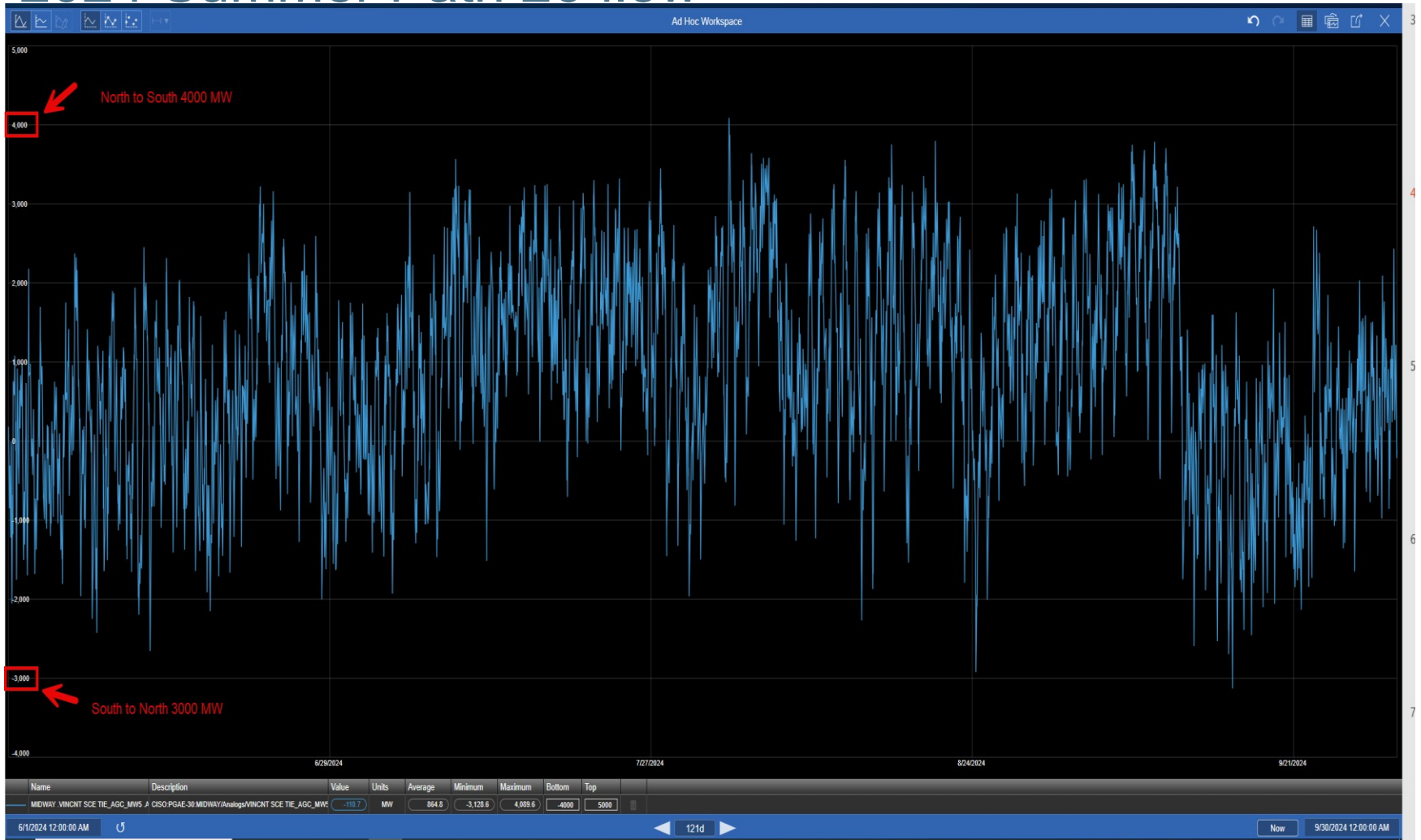
- Path 26 Historical Flow Review
- Malin Maximum PWT ATC for Summer 2026
- Path 26 PWT Impact Assessment Assumptions
- Path 26 PWT Impact Assessment Results Review
- Conclusions

2023 Summer Path 26 flow



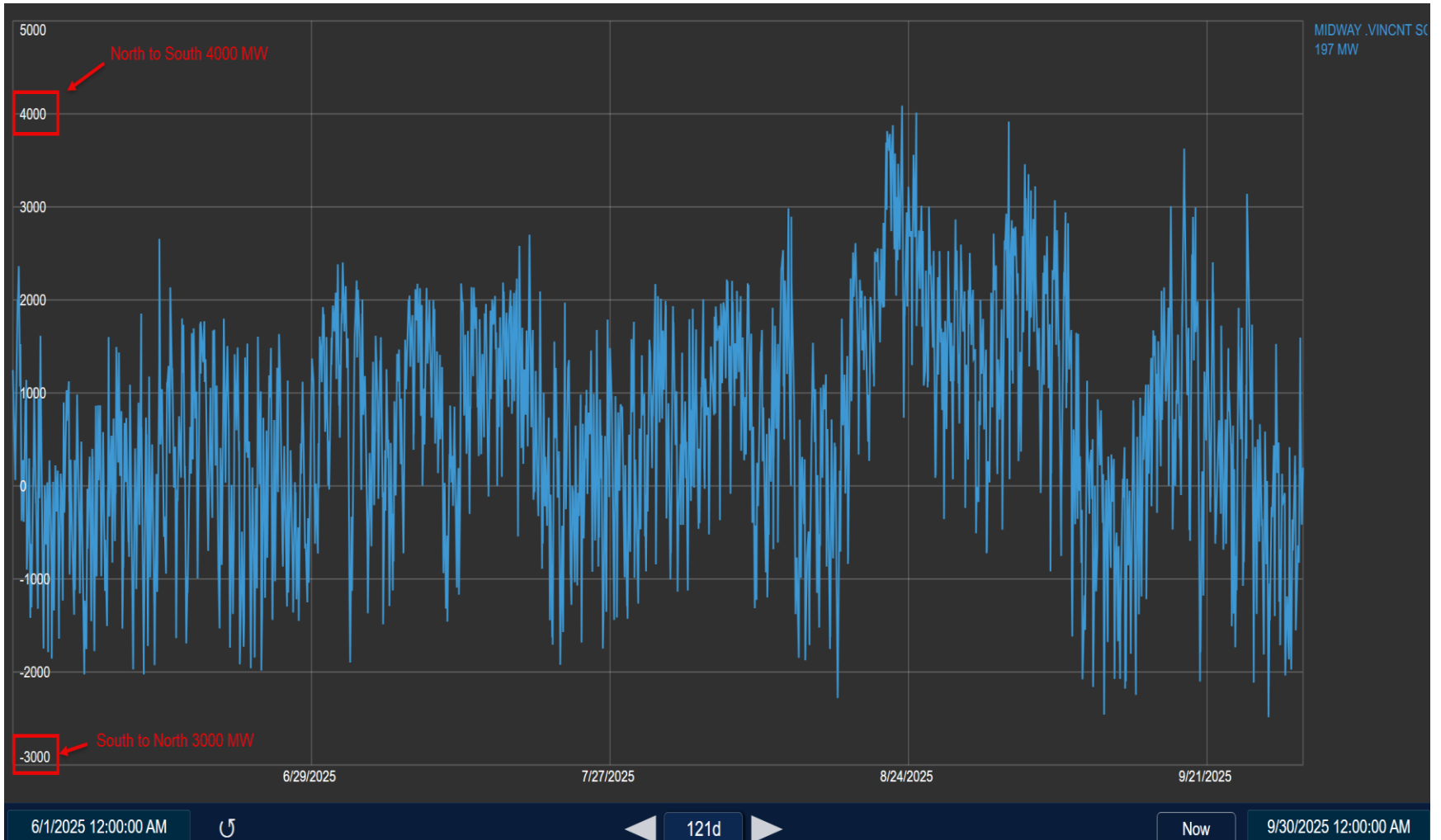
2023 Summer Path 26 flow

2024 Summer Path 26 flow



2024 Summer Path 26 flow

2025 Summer Path 26 flow



2025 Summer Path 26 flow

Malin Maximum PWT ATC for summer 2025

Intertie	PWT ATC Awards	Month/Year
MALIN500	0	Jun-25
MALIN500	75	July-25
MALIN500	75	Aug-25
MALIN500	75	Sep-25

- PWT ATC Awards is minimum

➤ Path 26 PWT Impact Assessment Assumptions

- Wheel Through Source: Malin500 (BPA)
- Wheel Through Sink: PV West (APS)
- Wheel Through Increases Path 26 North to South Flow

- There were totally **6** days Path 26 North to South daily peak flow more than 3500 MW from 6/1/2025 till 9/30/2025
- There were **111** days Path 26 North to South daily peak flow less than 3000 MW from 6/1/2025 till 9/30/2025
- The highest North to South flow in 2025: 4085 MW

- Two scenarios studied based on 2026 OSS summer assessment base case:
 - 1) Path 26 North to South flow at most common Daily Peak level: 3000 MW
 - 2) Path 26 North to South flow at 2025 highest: 4085 MW

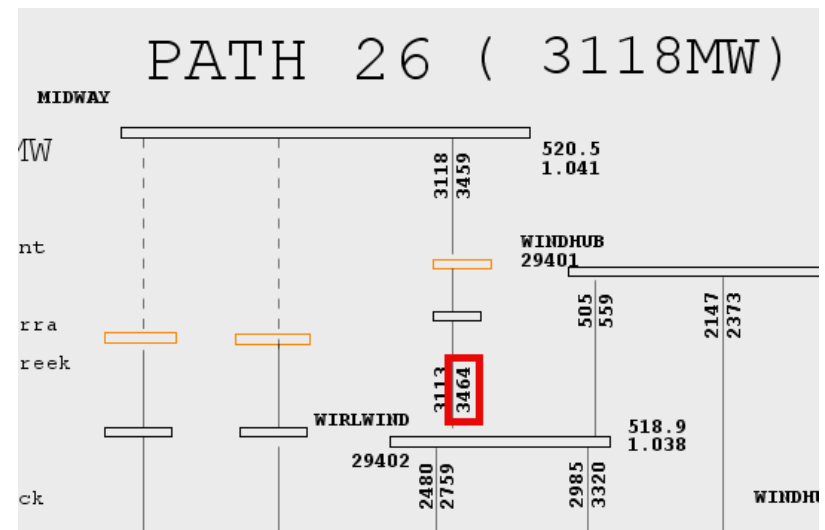
➤ Path 26 PWT Impact Assessment Results Review

- Scenario 1: Path 26 North to South flow at most common Daily Peak level: 3000 MW
- After applying 1800 MW wheel from BPA to APS, Path 26 North to South flow becomes 4326 MW
- By simulating the next worst credible multiple contingency of Midway-Vincent #1 and #2 500kV lines the results are as follows:

Post-contingency flow on Midway-Whirlwind 500kV line is 3464Amps.

It is about 99% of the 30min emergency rating of the most limiting line section (3500Amps)

There is no thermal overload concern in this scenario.



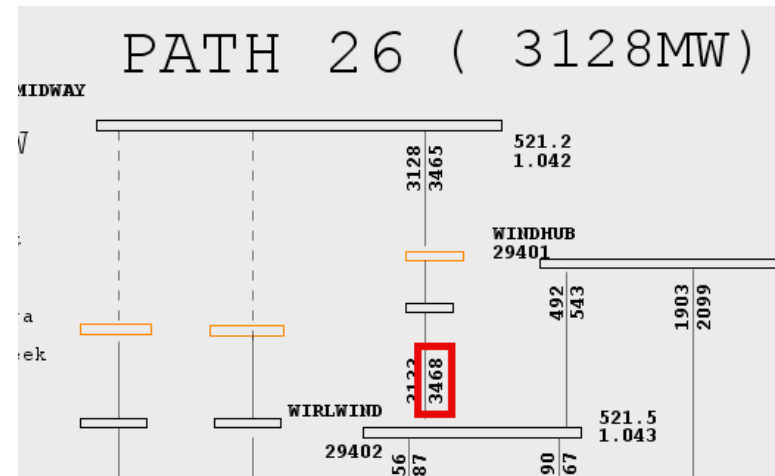
➤ Path 26 PWT Impact Assessment Results Review

- Scenario 2: Path 26 North to South flow at 2025 highest: 4085 MW
- After applying 350 MW wheel from BPA to APS, Path 26 North to South flow becomes 4365 MW
- By simulating the next worst credible multiple contingency of Midway-Vincent #1 and #2 500kV lines the results are as follows:

Post-contingency flow on Midway-Whirlwind 500kV line is 3468 Amps.

It is about 99% of the 30min emergency rating of the most limiting line section (3500Amps).

There is no thermal overload concern in this scenario.



Conclusions

- In most instances during summer season when Path 26 North to South flow is below 3000MW there is no reliability concern even after applying 1800 MW of wheel from BPA to APS
- With PG&E added the 30 minutes rating of Midway-Whirlwind 500kV line back in 2024, Path 26 North to South transfer capability could reach above 4300 MW
- Considering the small amount of wheeling through request, there is no major impact on Path 26 operation

Next Steps

- TSMSP Path 26 assessment retirement
- Submission of topics of interest for discussion to Yelena Kopylov-Alford at ykopylovalford@caiso.com or ISOStakeholderAffairs@caiso.com





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