



PCDS Meeting

December 18, 2024

Jon Jensen

WECC

12-13 Case ADS Follow-Up

- 12-13 case
 - GridView version 10.3.80
 - Enabled LA and MIO
 - Posted on PCDS Team Site

Implemented updates to the 12-13 case

- Transbay Cable on
- Mica Repower/Rename
- MiddleFork Ralston Hydro Correction of Representation
- Generation contracts off
- EPE Nomogram update
- Marvel/Desert Peak Duplicate Correction
- Line monitoring Humboldt/Slate
- Minor hydro updates, Castaic etc.
- Geo/Bio 0 CO2 cost based on Fuel Column
- Data checks, Pmin, Bus type, etc.

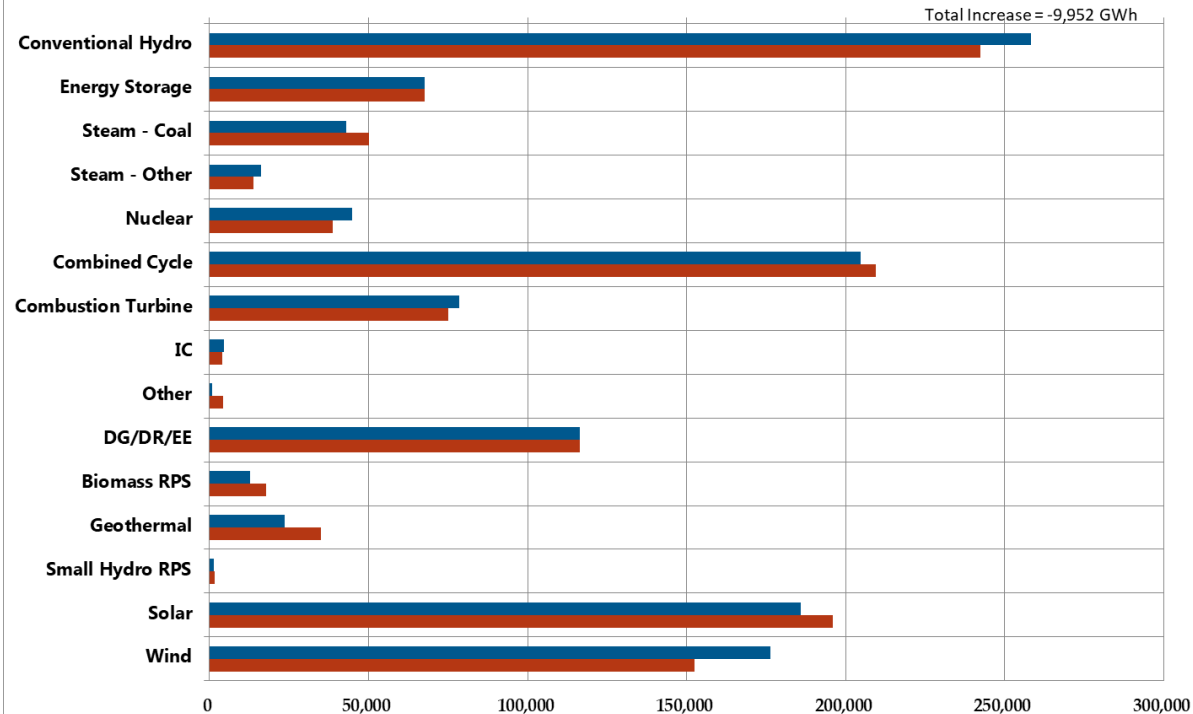
SWIP-North

- Unit representative of 1060 MW at Bus 60240 Midpoint with Salmon Falls shape
- Updated SWIP-North Optional change case

Annual Generation

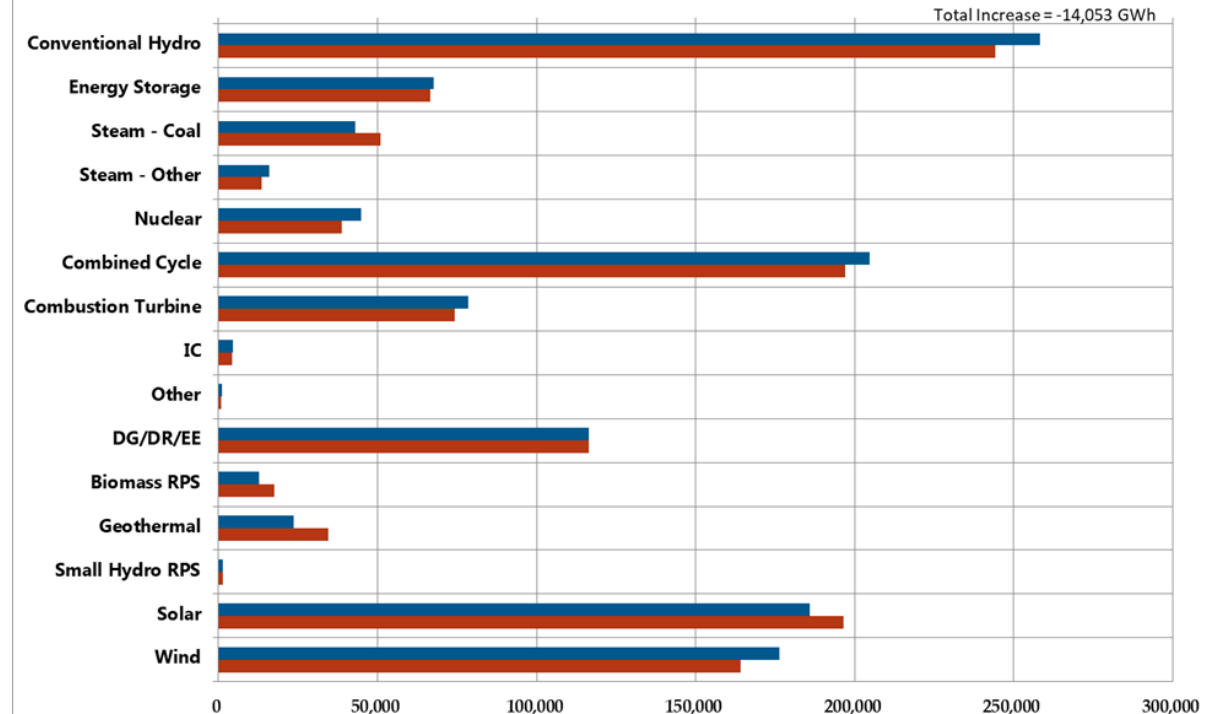
Annual Generation by Category (GWh)

■ 2034 ADS V2_NoT3 ■ 2034 ADS V2_12-13

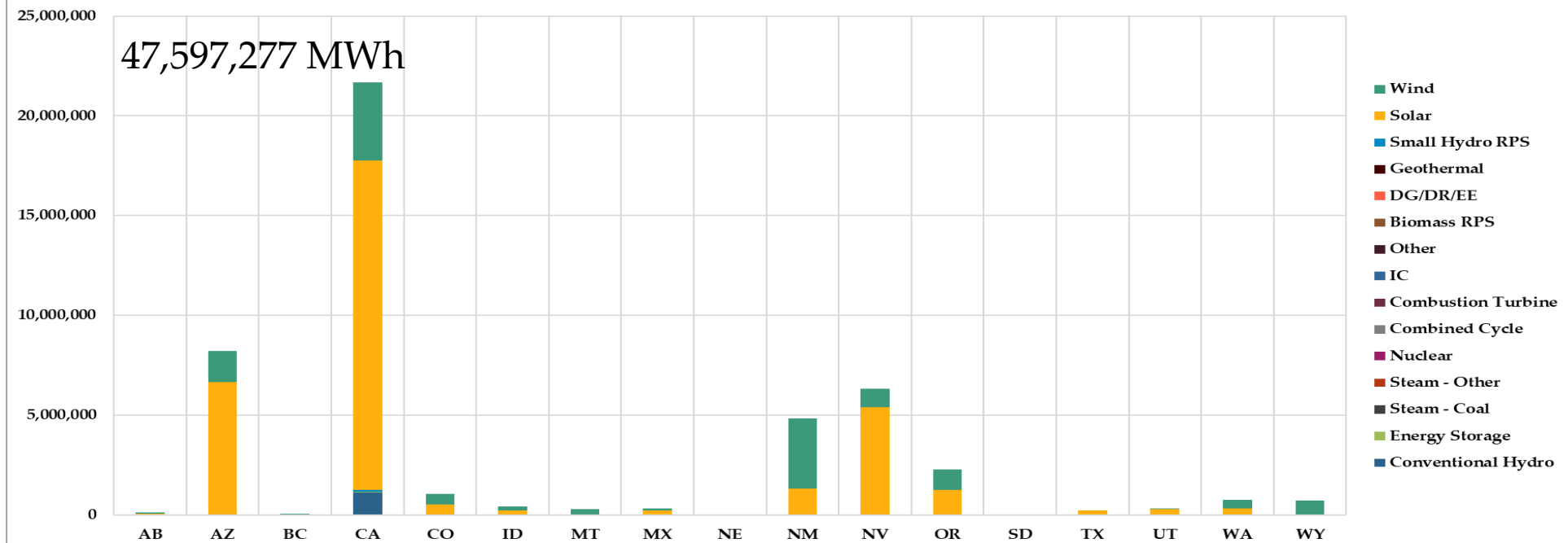


Annual Generation by Category (GWh)

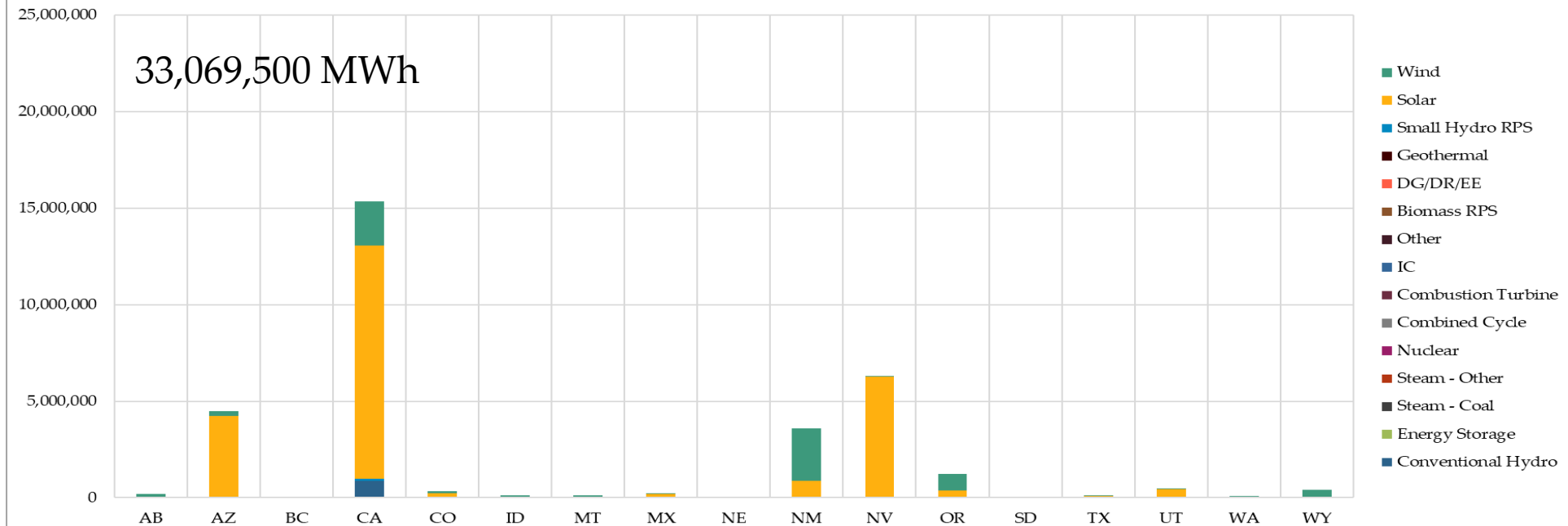
■ 2034 ADS V2_NoT3 ■ 2034 ADS V2_11-15



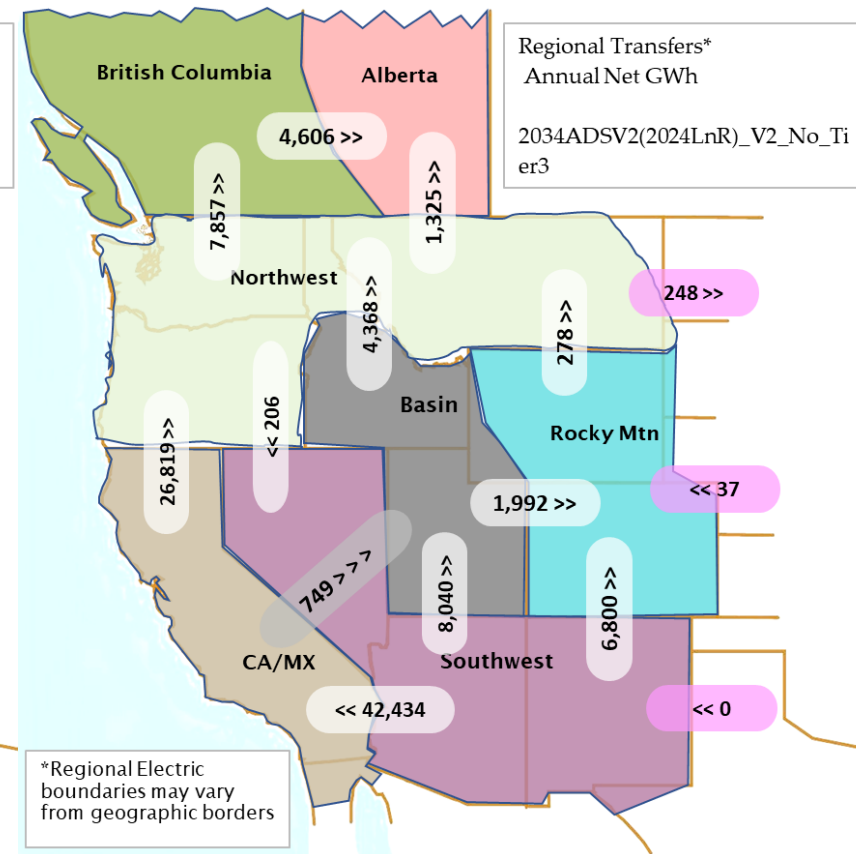
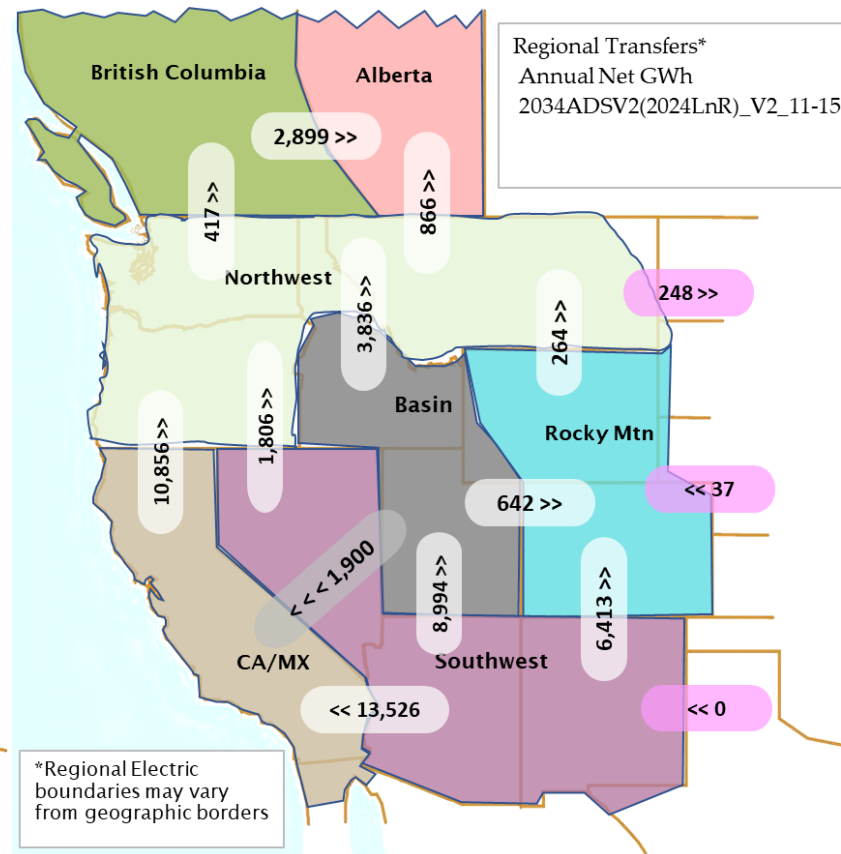
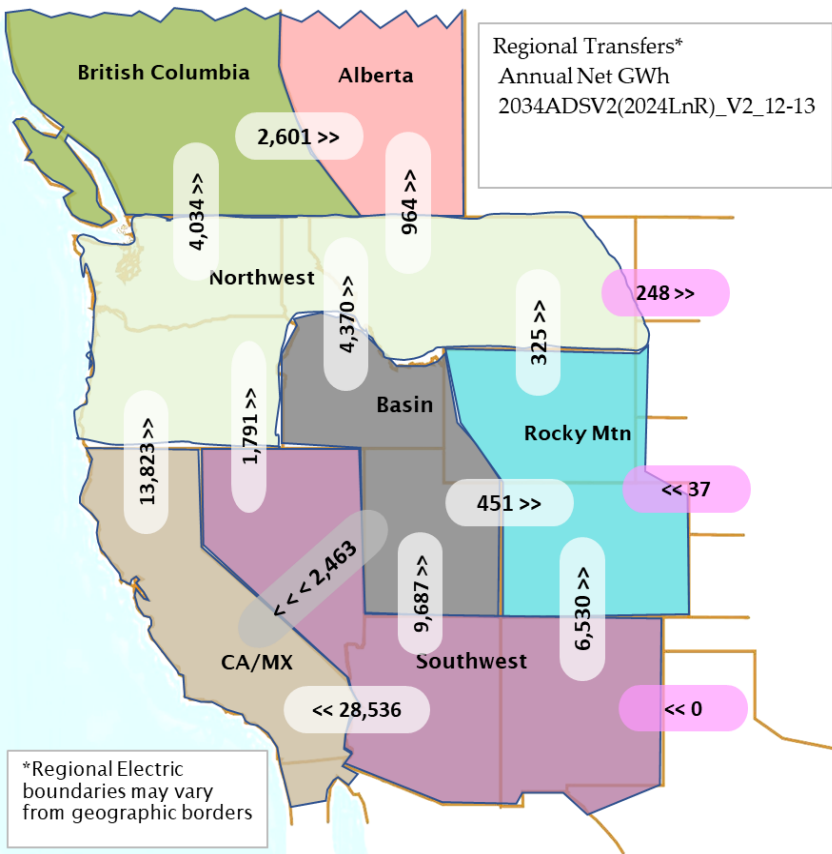
Annual Dumped Generation (MWh) by State and Type - 2034 ADS V2_NoT3



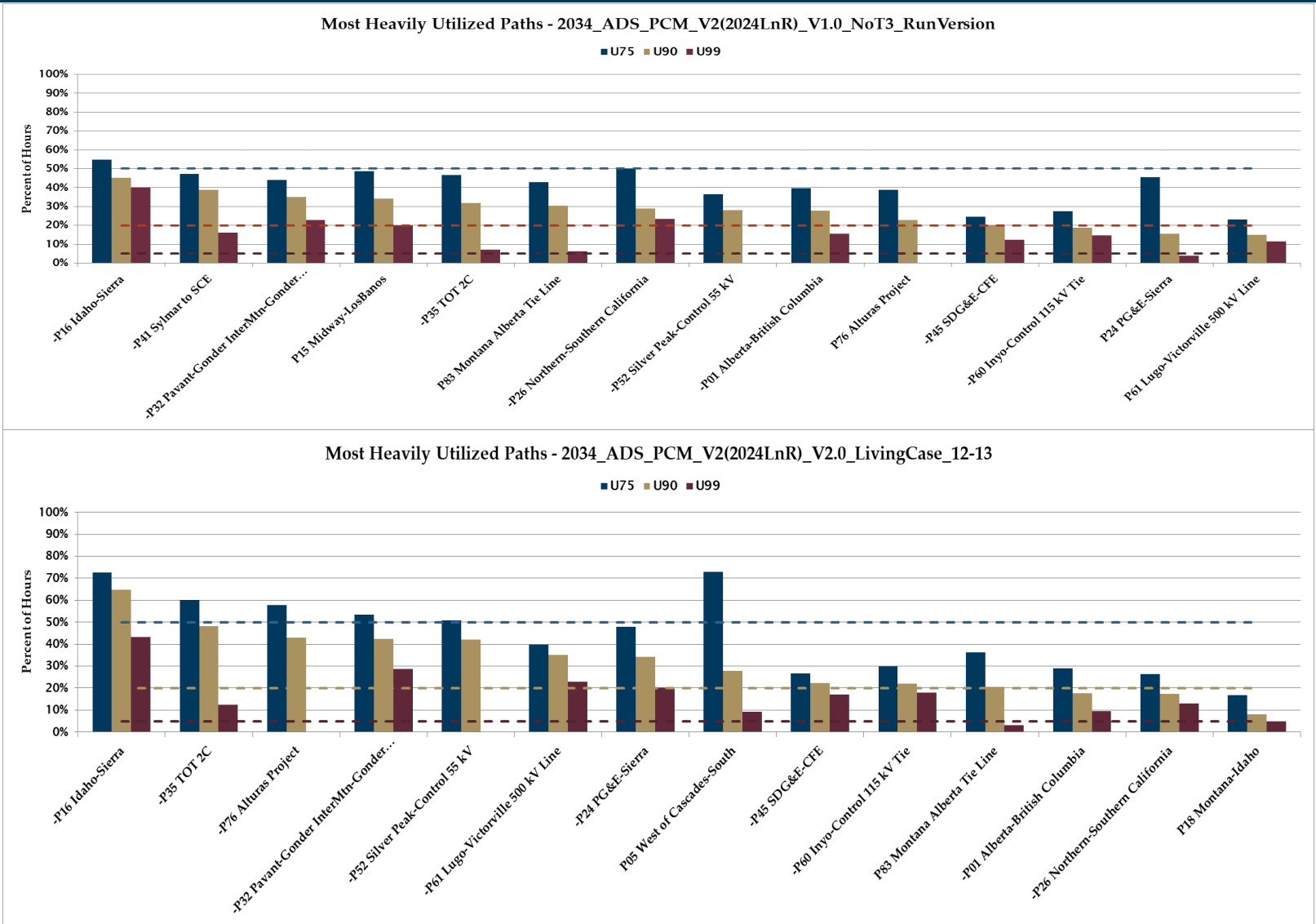
Annual Dumped Generation (MWh) by State and Type - 2034 ADS V2_12-13



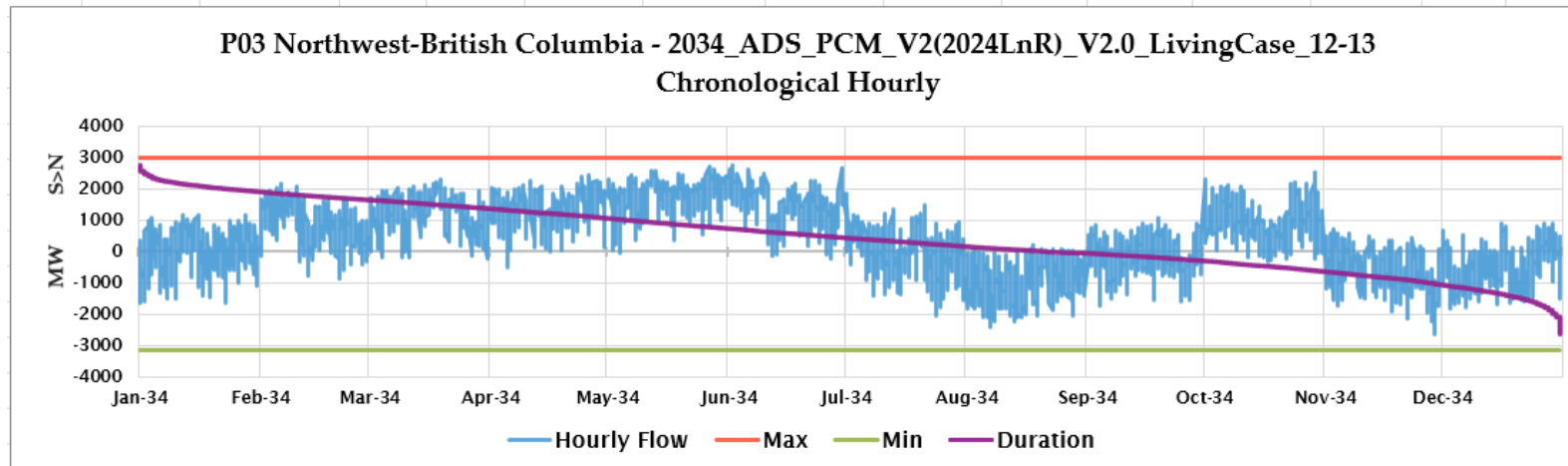
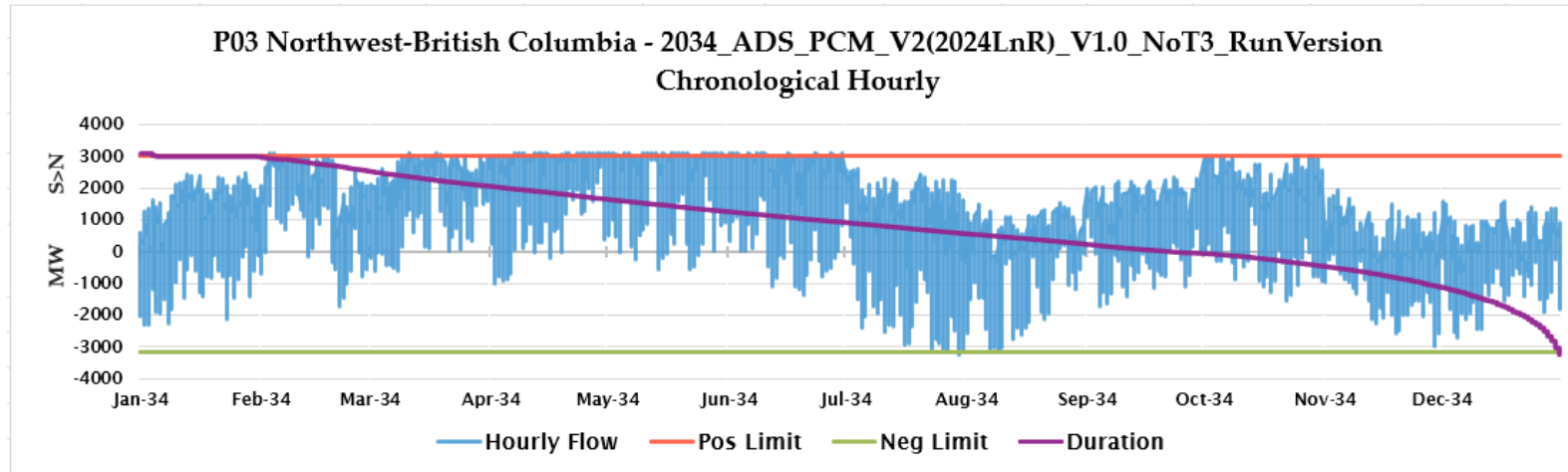
Regional Transfers



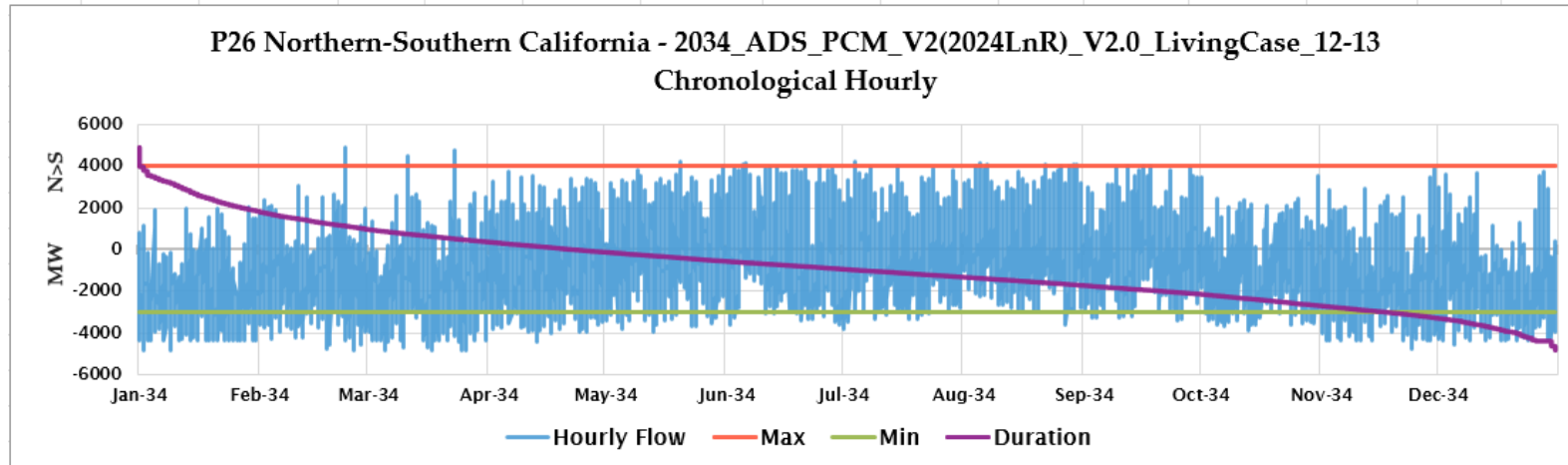
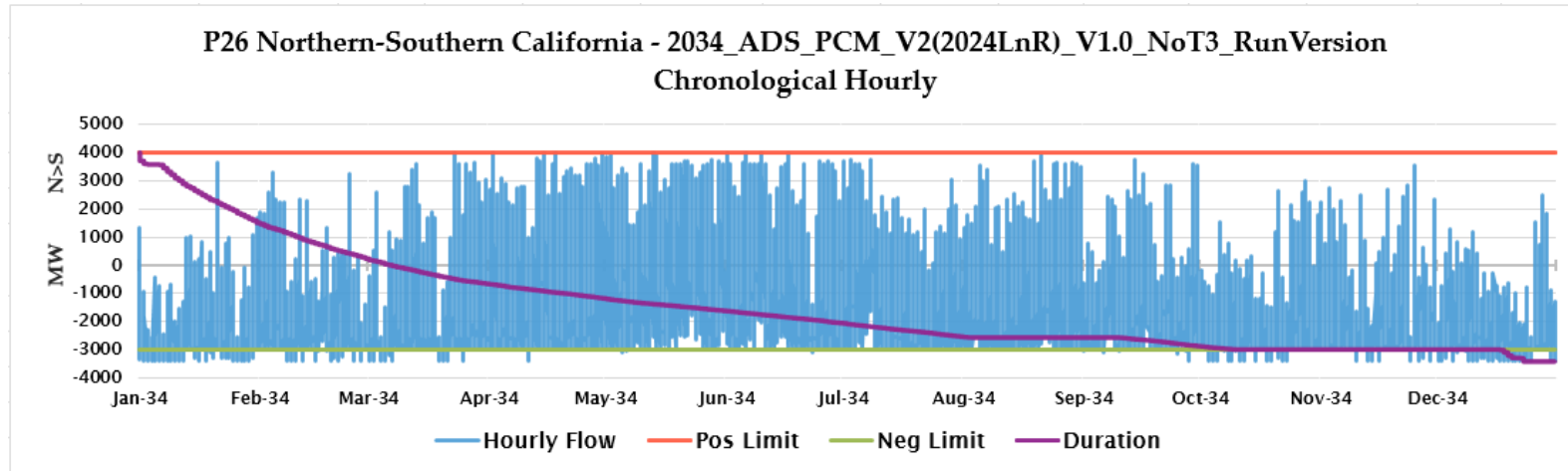
Transmission Utilization



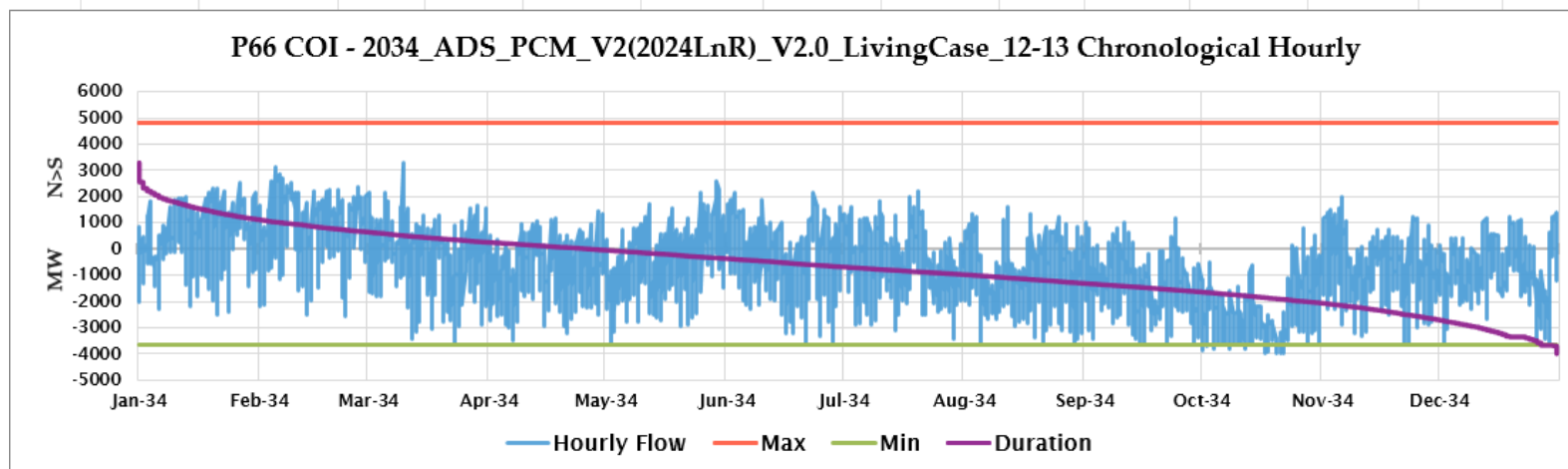
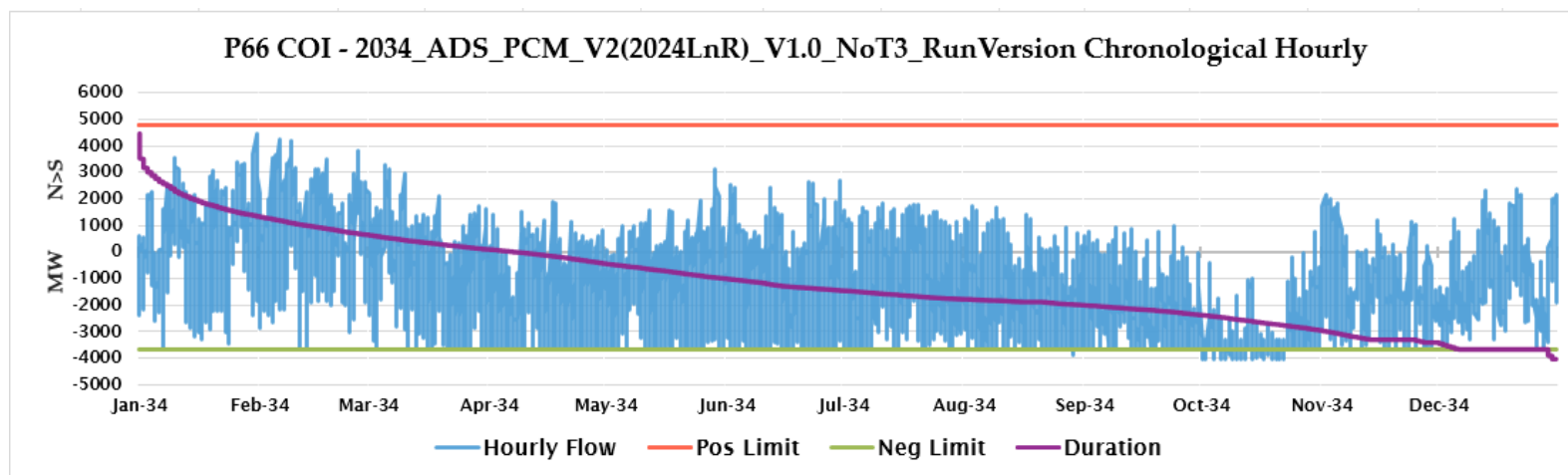
Hourly Transmission



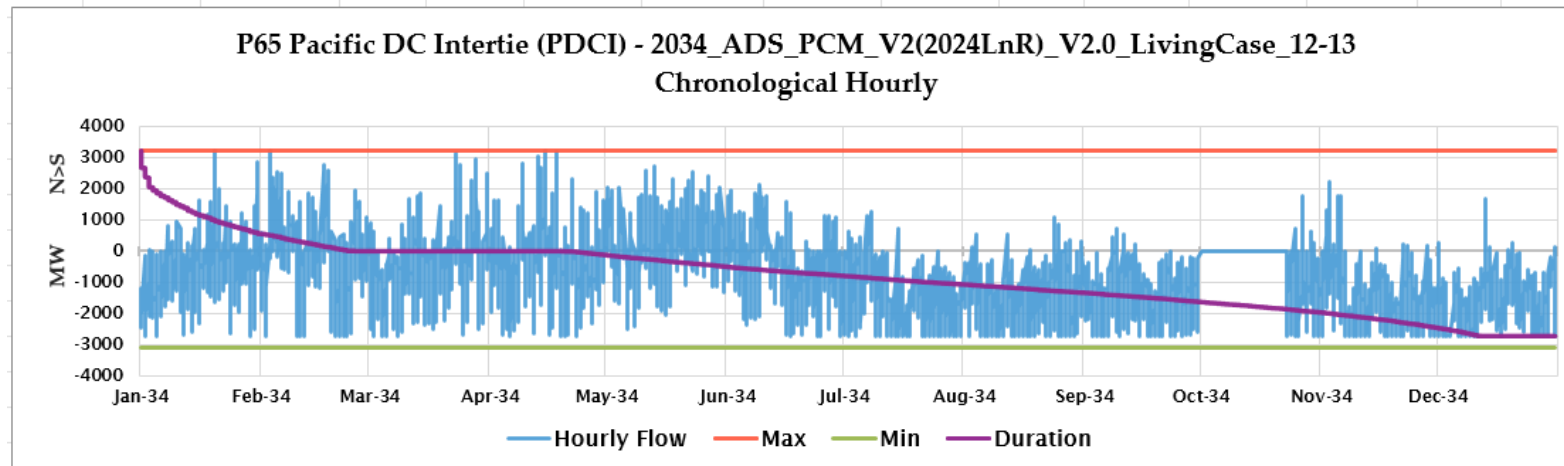
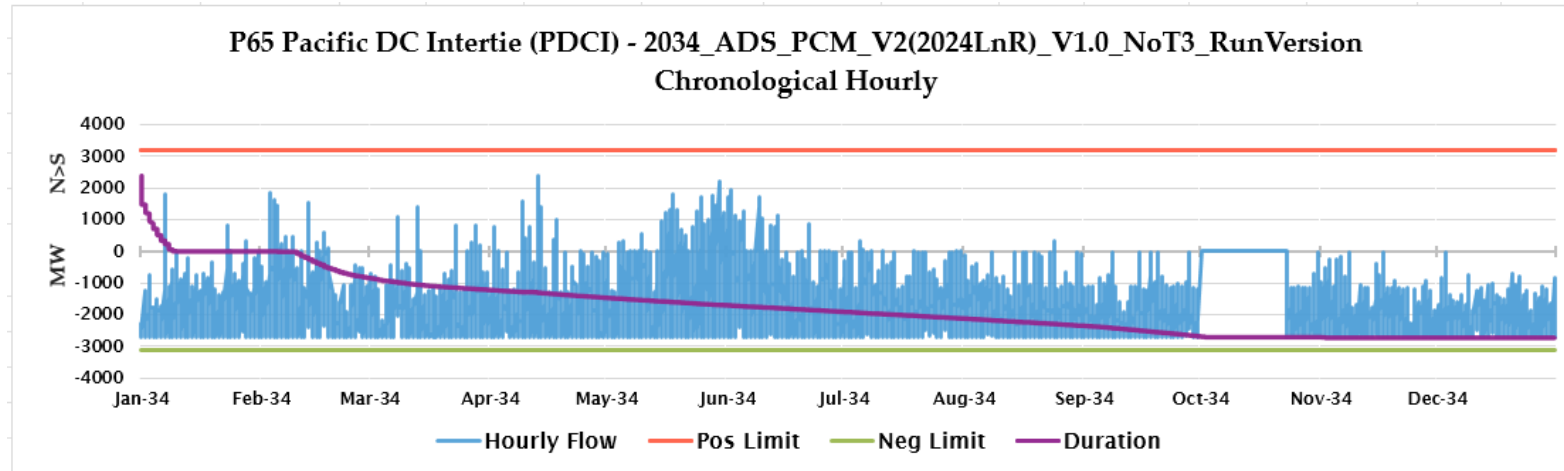
Hourly Transmission



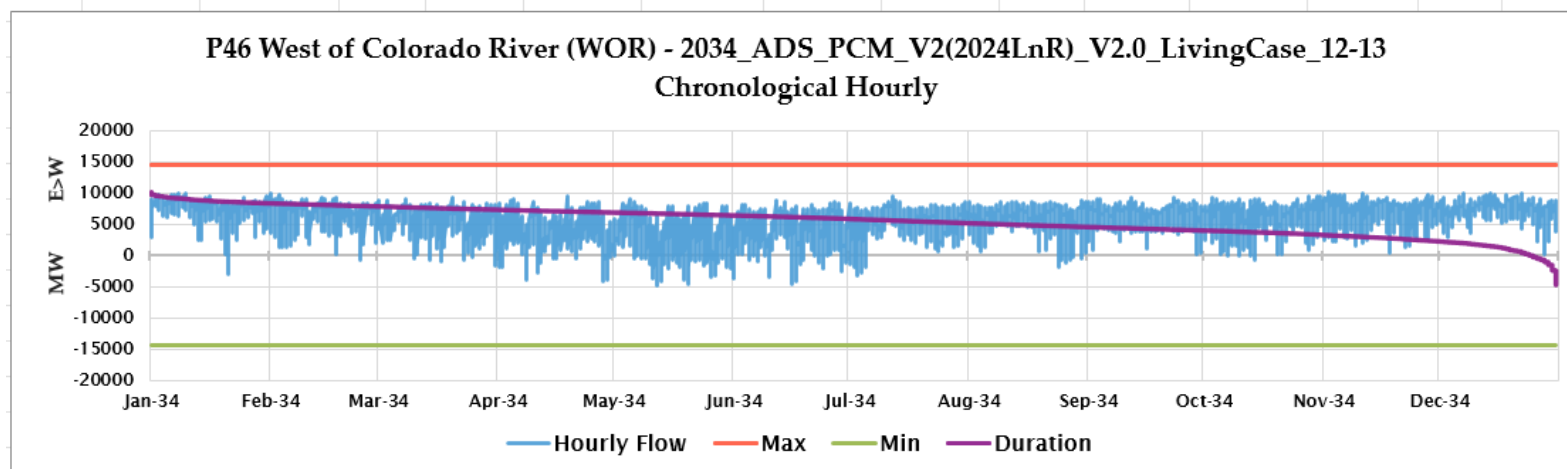
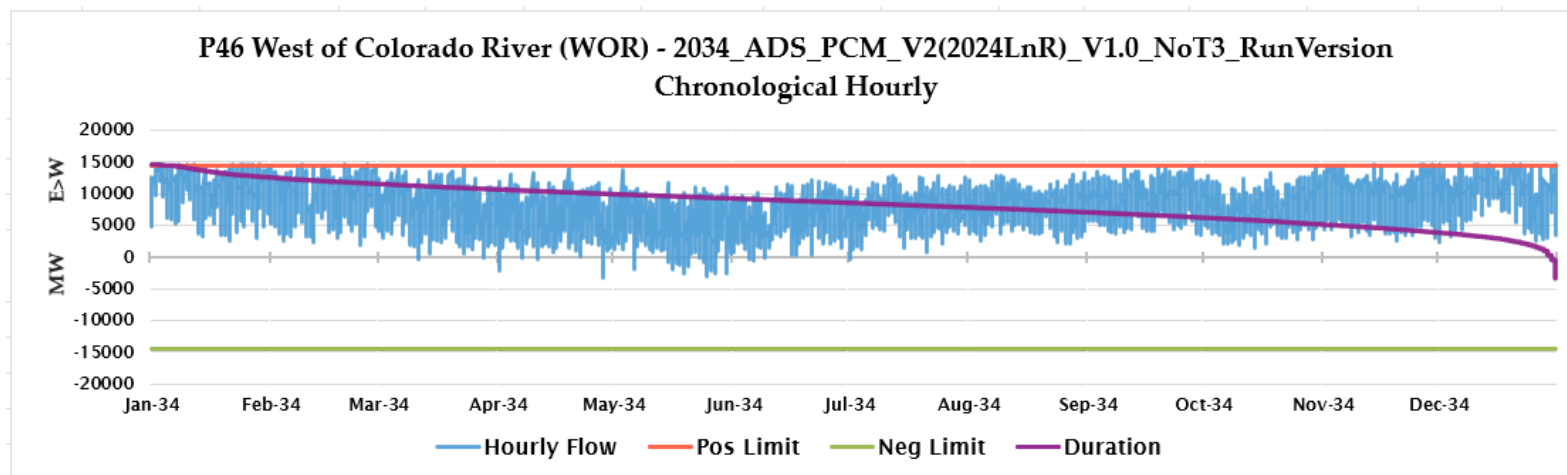
Hourly Transmission



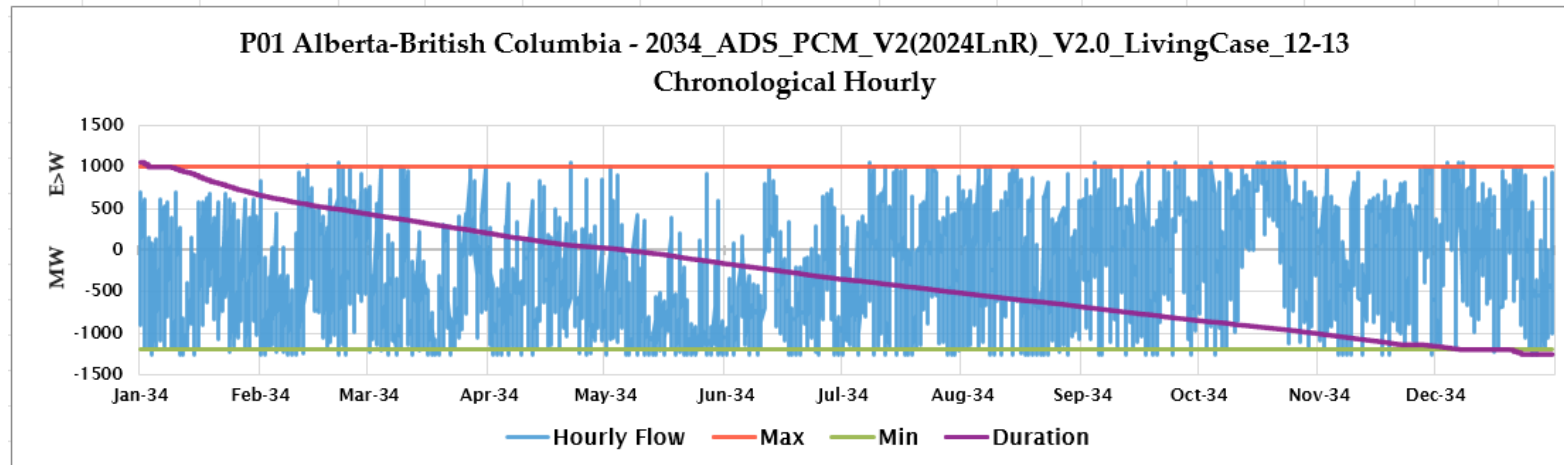
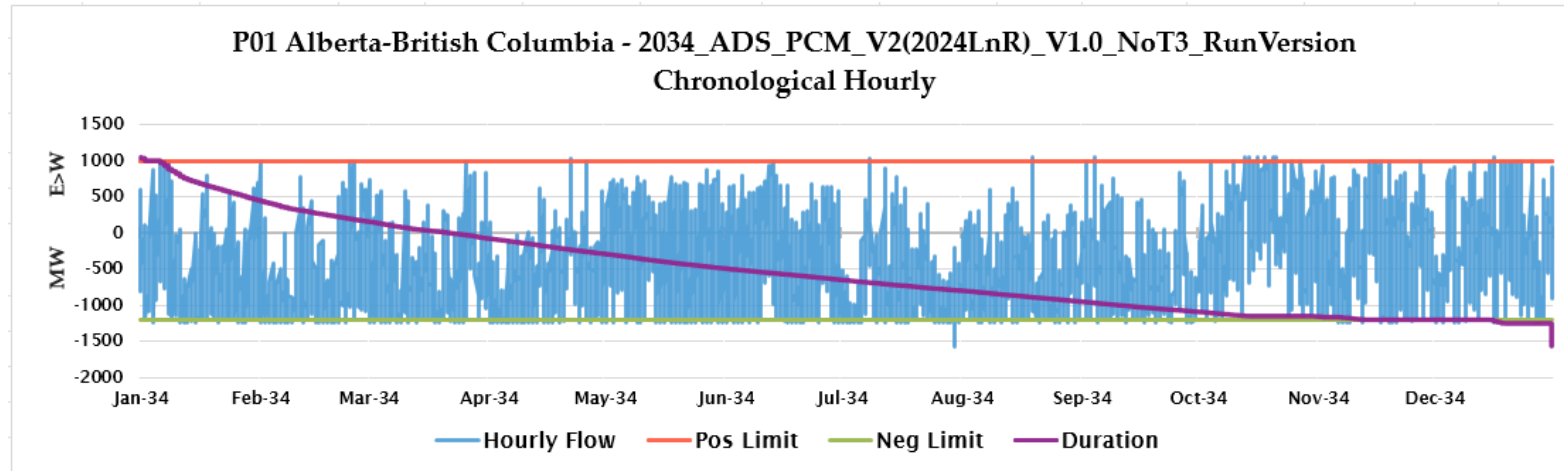
Hourly Transmission



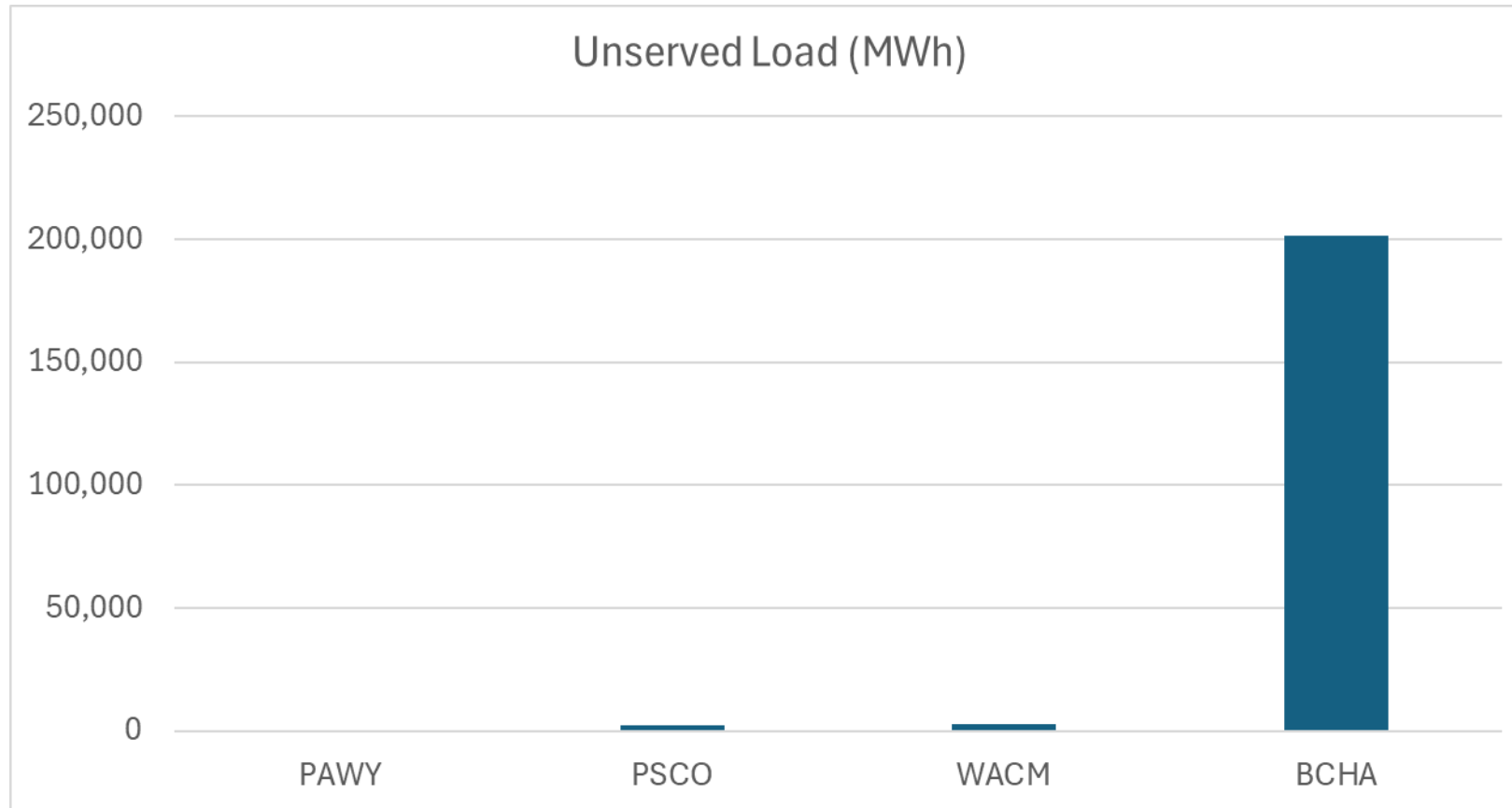
Hourly Transmission



Hourly Transmission

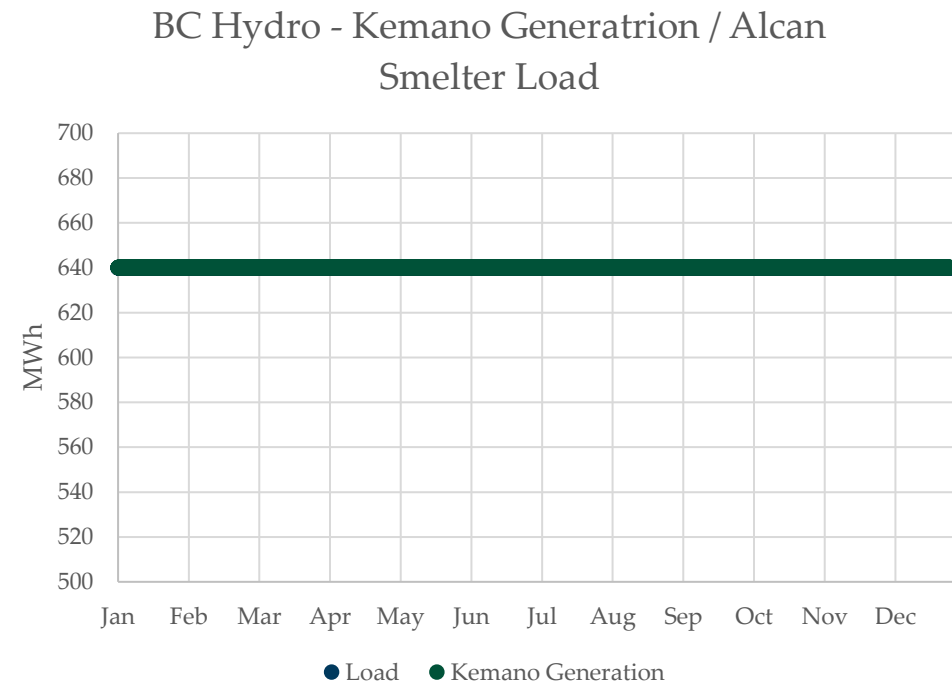


12-13 Unserved Load



BCHA

- Apply Kemano fix
 - Generation matched to load
 - No unserved load in BCHA



PAWY, PSCO & WACM

Retirement date extension for a few hourly resources that were retiring before 2034, to address the unserved load in PSCO, WACM, and PAWY.

Name	SubType	Commission Date	Retirement Date	DevStatus	Area Name	PSSEMinCap(MW)	PSSEMaxCap(MW)
Mountain Wind I Mountain Wind 1 WT	WT-Onshore	#2008-07-02#	#2033-07-01#	Existing	PAWY	0	60.9
Mountain Wind II Mountain Wind 2 WT	WT-Onshore	#2008-09-29#	#2033-09-28#	Existing	PAWY	0	79.8
Twin Buttes 1 WT	WT-Onshore	#2007-07-10#	#2027-07-09#	Existing	PSCO	0	75
Logan County 1 WT	WT-Onshore	#2007-12-10#	#2027-12-09#	Existing	PSCO	0	201
Peetz Table 1	WT-Onshore	#2007-12-10#	#2032-12-09#	Existing	PSCO	0	199.5
Northern Colorado Wind 1 WT	WT-Onshore	#2009-08-25#	#2034-08-24#	Existing	PSCO	0	151.8
Spring Canyon 1 WT	WT-Onshore	#2006-02-10#	#2026-02-09#	Existing	PSCO	6.48	60
Cedar Creek 1 WT	WT-Onshore	#2007-11-20#	#2027-11-19#	Existing	PSCO	0	150.25
Cedar Creek 1B	WT-Onshore	#2007-11-20#	#2027-11-19#	Existing	PSCO	0	150.25
Greater Sandhill 1 PV-T	PV-Tracking	#2010-09-01#	#2030-12-22#	Existing	PSCO	0	8.421053
Iberdrolasan Luis Solar 1 PV-T	PV-Tracking	#2011-12-01#	#2033-12-31#	Existing	PSCO	0	30
Cogentrix 1 PV-T	PV-Tracking	#2012-04-01#	#2024-04-30#	Existing	PSCO	0	30
Cedar Point 1 WT	WT-Onshore	#2011-11-01#	#2031-10-31#	Existing	PSCO	0	126
Cedar Point 2	WT-Onshore	#2011-11-01#	#2031-10-31#	Existing	PSCO	0	126
Alamosa 1 PV-NT	PV-Tracking	#2007-12-17#	#2027-12-31#	Existing	PSCO	0	6.95
Nrel Nwtc Wind Agg HY	WT-Onshore	#2010-01-01#	#2027-07-30#	Existing	PSCO	0	19.69
Greater Sandhill 2 PV-T	PV-Tracking	#2010-12-23#	#2033-12-31#	Existing	PSCO	0	7.578948
Northern Colorado Wind 2 WT	WT-Onshore	#2009-09-29#	#2029-09-28#	Existing	PSCO	0	22.5
Kit Carson Wind Farm 1 WT	WT-Onshore	#2010-11-20#	#2030-11-30#	Existing	WACM	2.4	51
Colorado Highlands Wind 42 WT	WT-Onshore	#2012-12-01#	#2032-12-31#	Existing	WACM	12.3	47
Highlands Wind 2	WT-Onshore	#2012-12-01#	#2032-12-31#	Existing	WACM	0	47

PAWY, PSCO & WACM

- Handful of T3 resources brought back in service in PSCO and WACM to address the unserved load.

Name	SubType	ServiceStatus	Commission Date	Retirement Date	DevStatus	Area Name	PSSEMinCap(MW)	PSSEMaxCap(MW)
Storage 28 BA	Energy Storage	#TRUE#	#2028-01-01#	#2054-12-31#	T3 - Future Conceptual	PSCO	-100	100
Bronco BA	Energy Storage	#TRUE#	#2027-07-01#	#2051-12-31#	T3 - Future Conceptual	PSCO	-200	200
Dry Lake North BA	Energy Storage	#TRUE#	#2032-01-01#	#2051-12-31#	T3 - Future Conceptual	WACM	-1000	1000
Solar 28 PV	PV	#TRUE#	#2028-01-01#	#2051-12-31#	T3 - Future Conceptual	PSCO	0	150
Wind 27 WT	WT-Onshore	#TRUE#	#2027-01-01#	#2051-12-31#	T3 - Future Conceptual	WACM	0	200



www.wecc.org