



PCDS Meeting

March 13, 2024

Jon Jensen
WECC Staff

Announcements

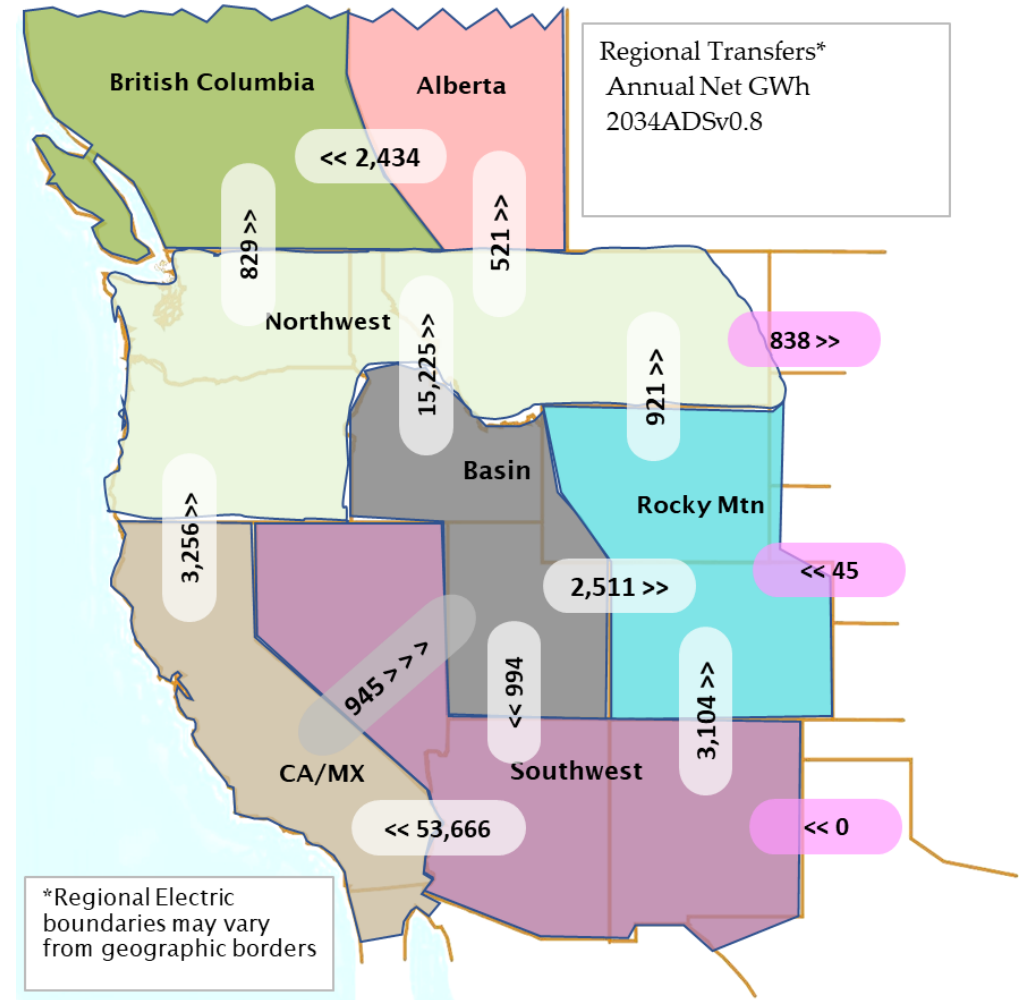
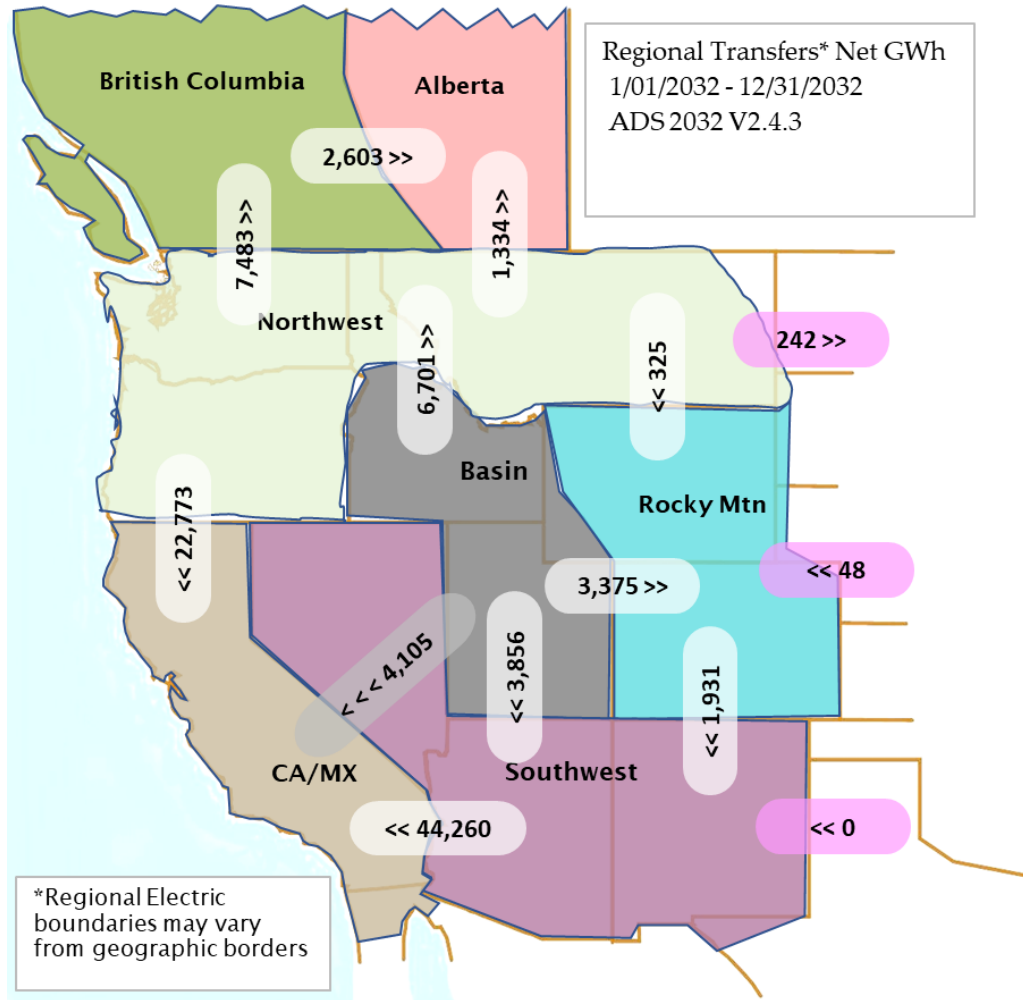
- 2034 ADS PCM V1—Draft posted, in review
- Wind/Solar CF
- BTM PV—Received the county information from PNNL, now sent to NREL for BTM PV ratios/weightings for each bus
- Assign gens to multiple Owners/Regions—Yes, you can assign unit to multiple ownership and use reserve capacity distribution table to assign to regions with ratio.
 - In simulation control, please check Generation reserve distribution and Generator exemption if these units are exempt from wheeling charges.
- 2034 L&R Update
- March 20 Studies Subcommittee meeting—2023 Study Program Presentations
- Motions and Votes
 - Only members should motion and vote.
 - Each organization only gets on vote.
 - Two members from the same organization can make a motion and second it.

2034 ADS PCM V1

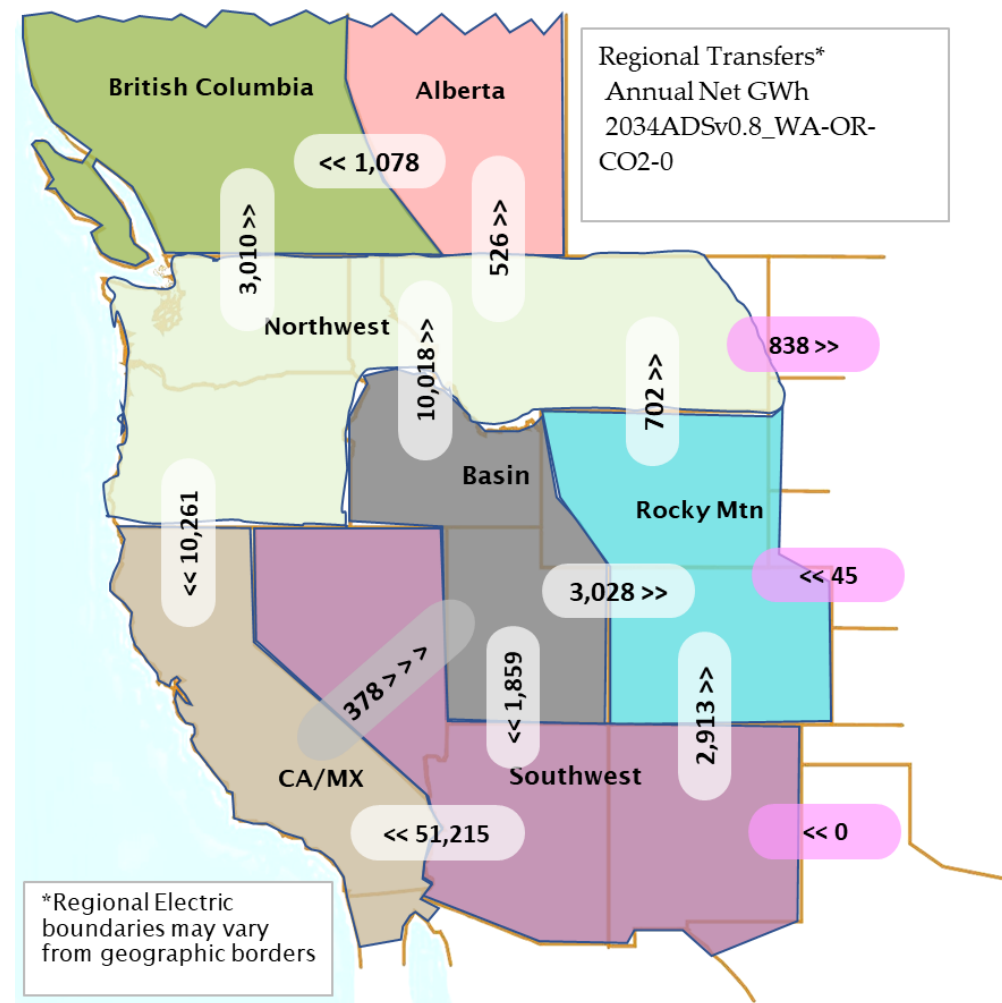
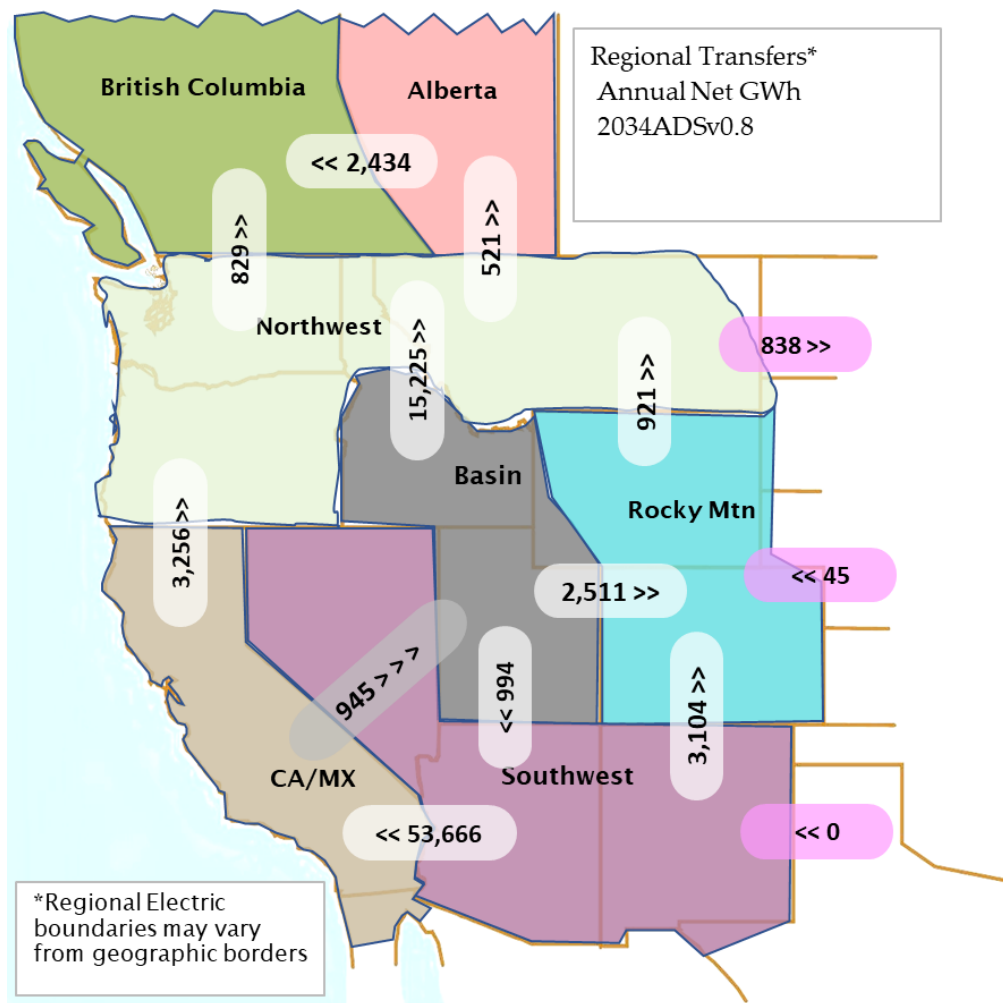
Assumptions

- 2034_ADS_PCM_2.4.3_V0.8—Using GridView Version 10.3.62
 - 2032 ADS PCM v2.4.3 Plus:
 - 2023 L&R submittal
 - Loads (PACW revised load)
 - Resources
 - Wheeling rates
 - Nomograms
 - Path ratings
 - Path definitions
 - Fuel prices
 - CO₂ prices
 - BTM PS
 - Inflator
 - Ownership updates from 2034HS1 power flow

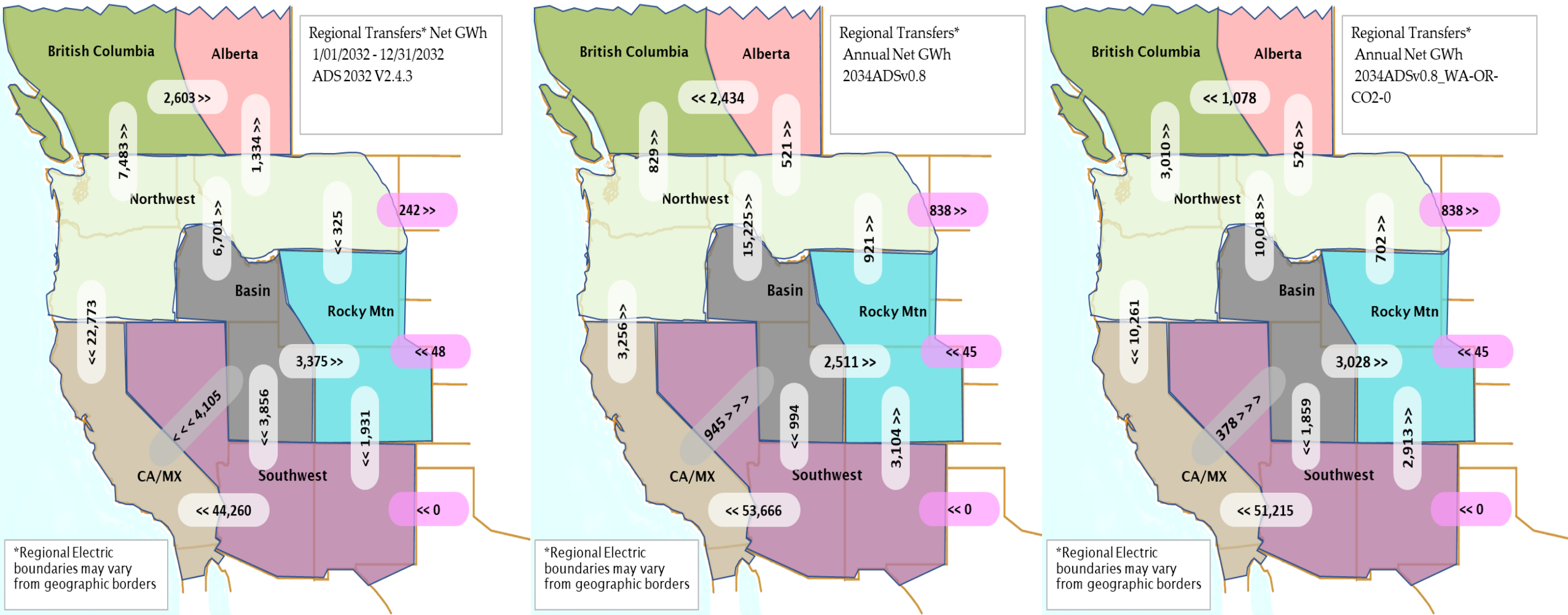
Regional Transfers



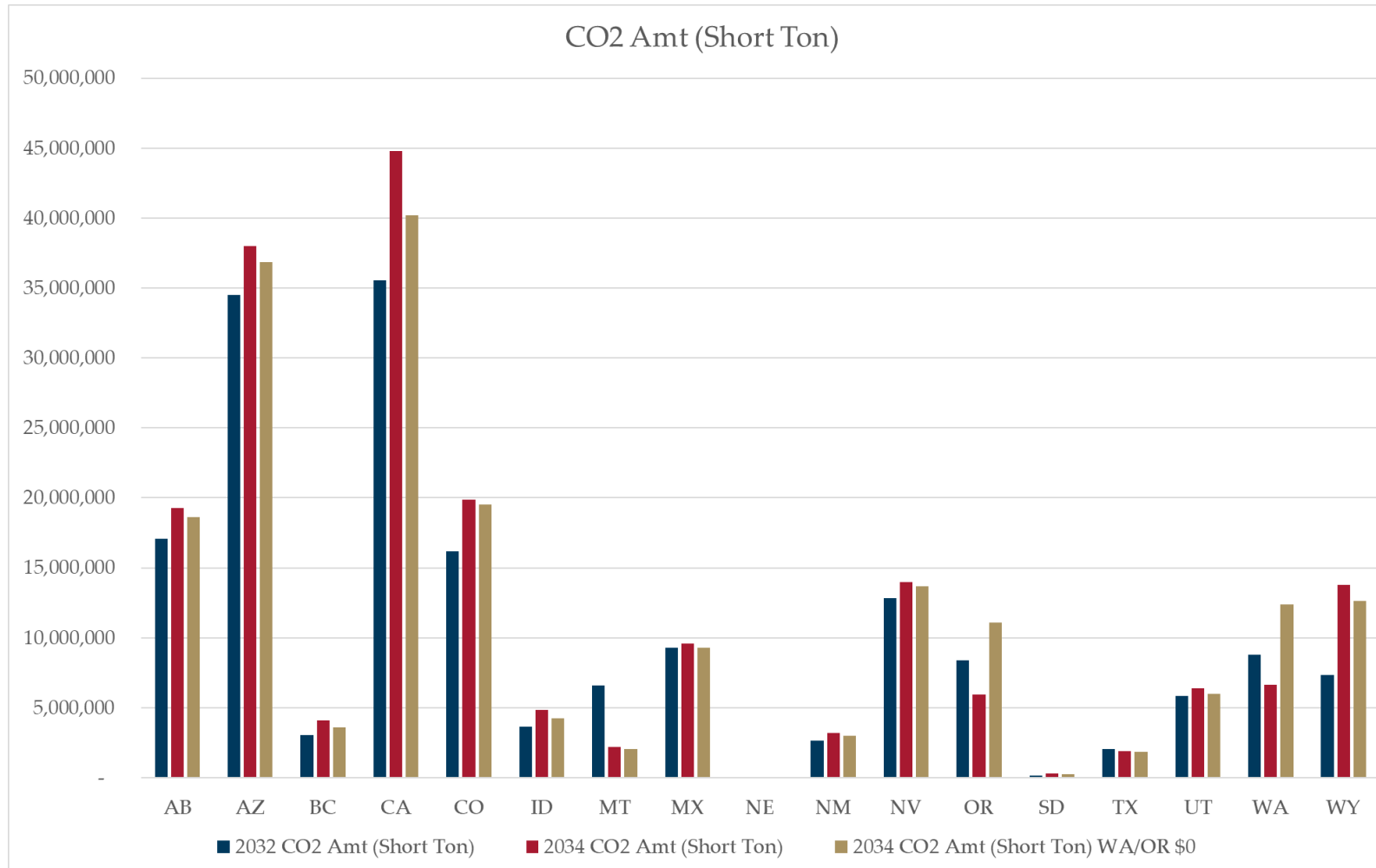
Regional Transfers CO₂ Price WA/OR \$0



Regional Transfers CO₂ Price WA/OR \$0



CO₂ State

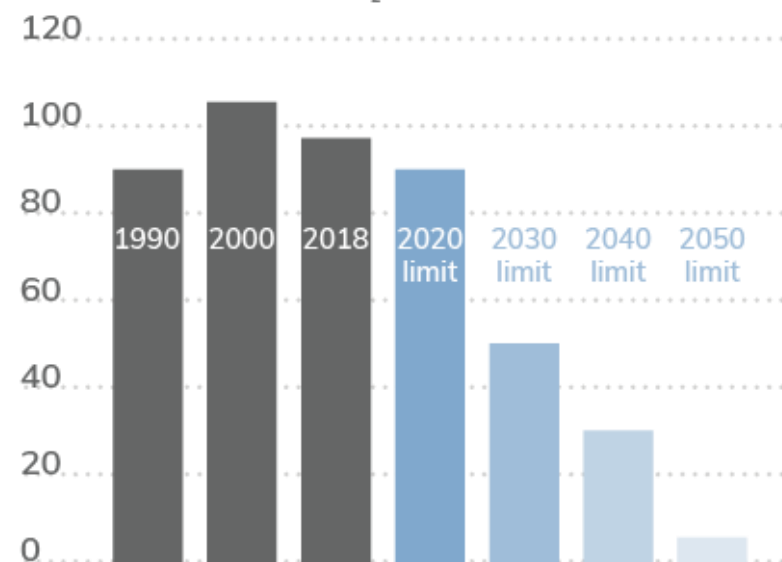


WA/OR CO₂ Caps

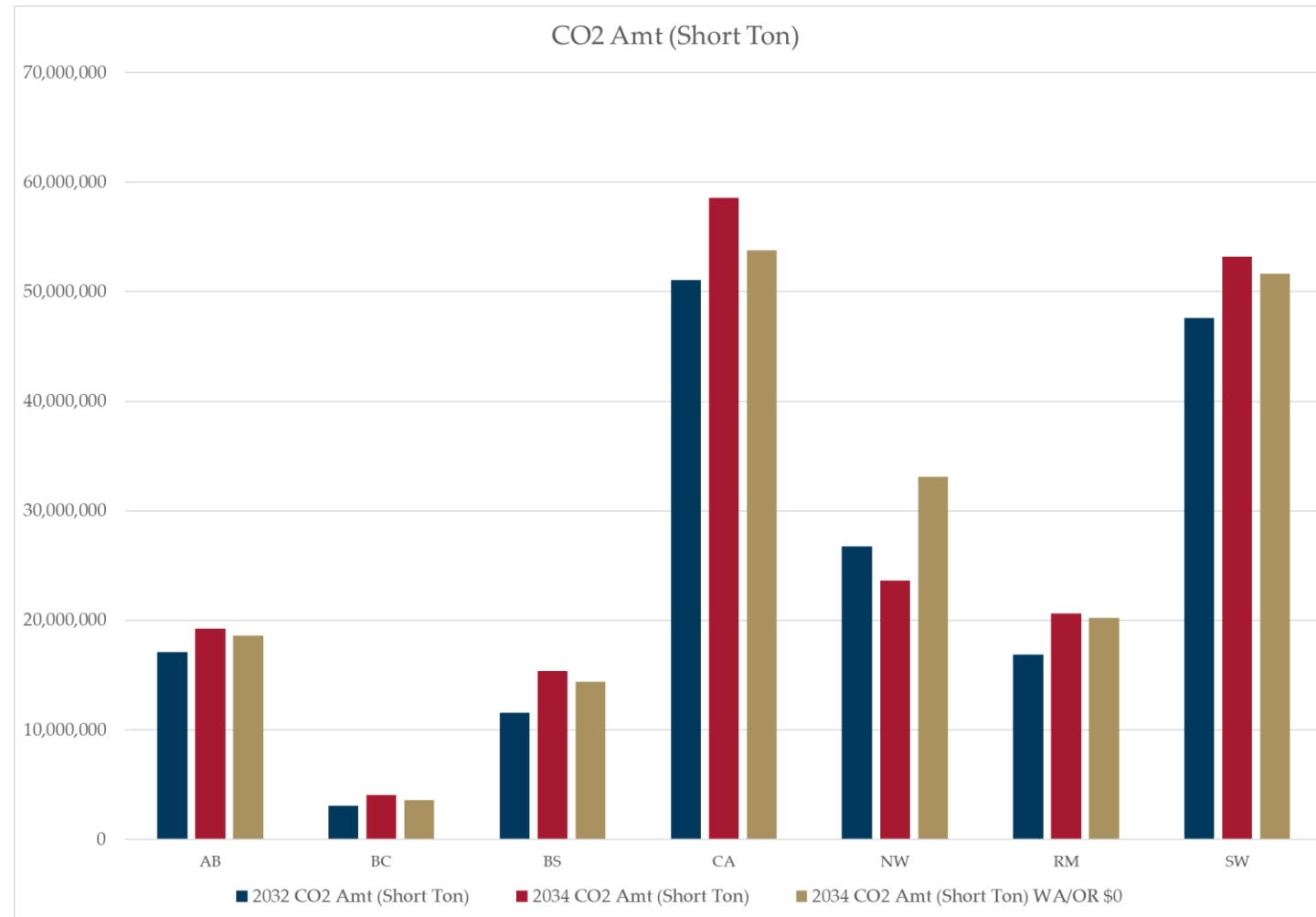
- Washington Cap ([Cap-and-invest—Washington State Department of Ecology](#))
 - Year 2034 ≈ 40 MtCO
- Oregon Cap ([International Carbon Action Partnership \(icapcarbonaction.com\)](#))
 - First Compliance Period: 28.2 MtCO e (2022-2024)
 - Second Compliance Period: 25.7 MtCO e (2025-2027)
 - Third Compliance Period: 23 MtCO e (2028-2030)
 - Fourth Compliance Period: 19.9 MtCO e (2031-33)

Washington Greenhouse Gases

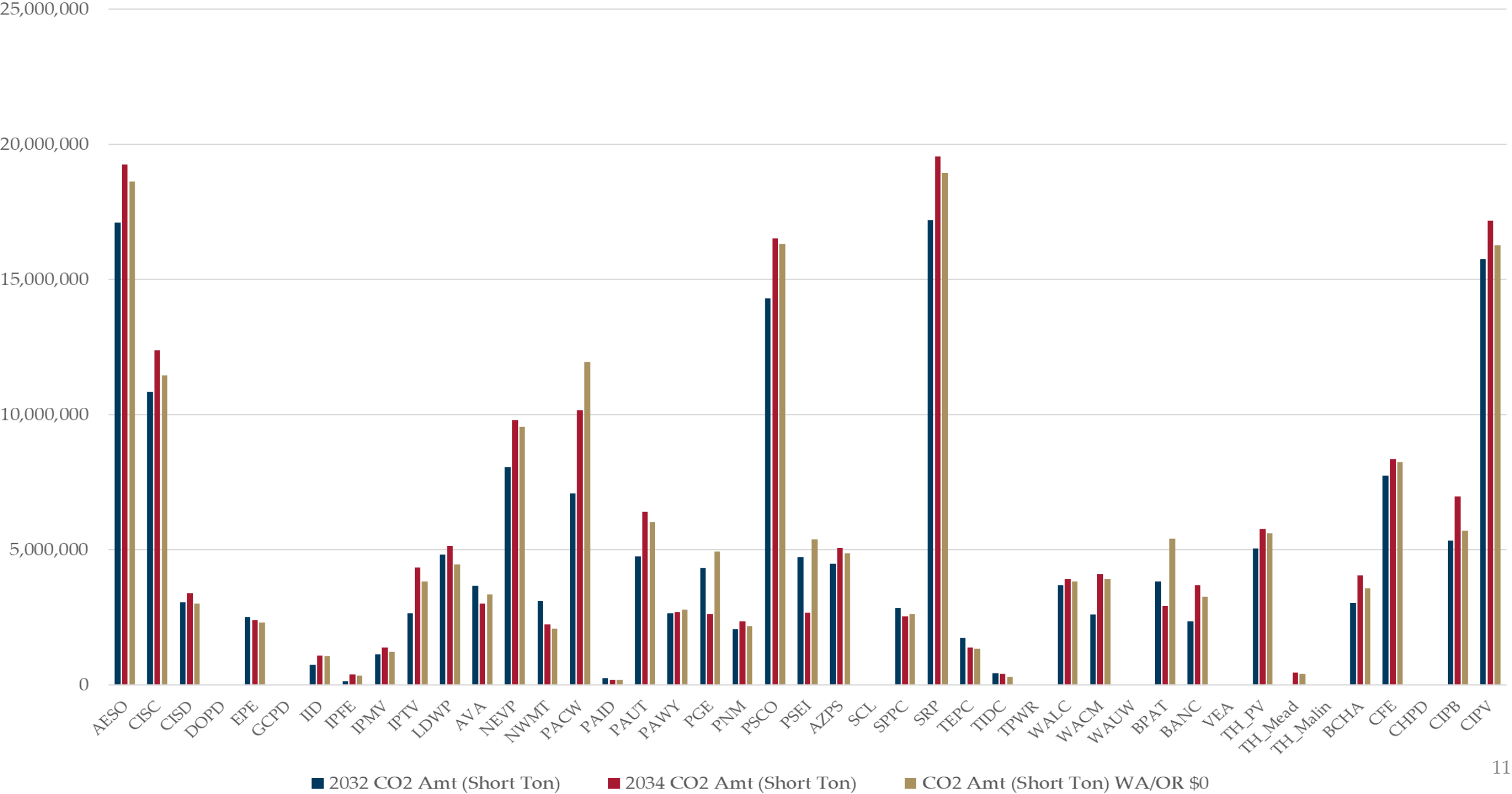
* million metric tons of CO₂ equivalent



CO₂ Region



CO2 Amt (Short Ton)



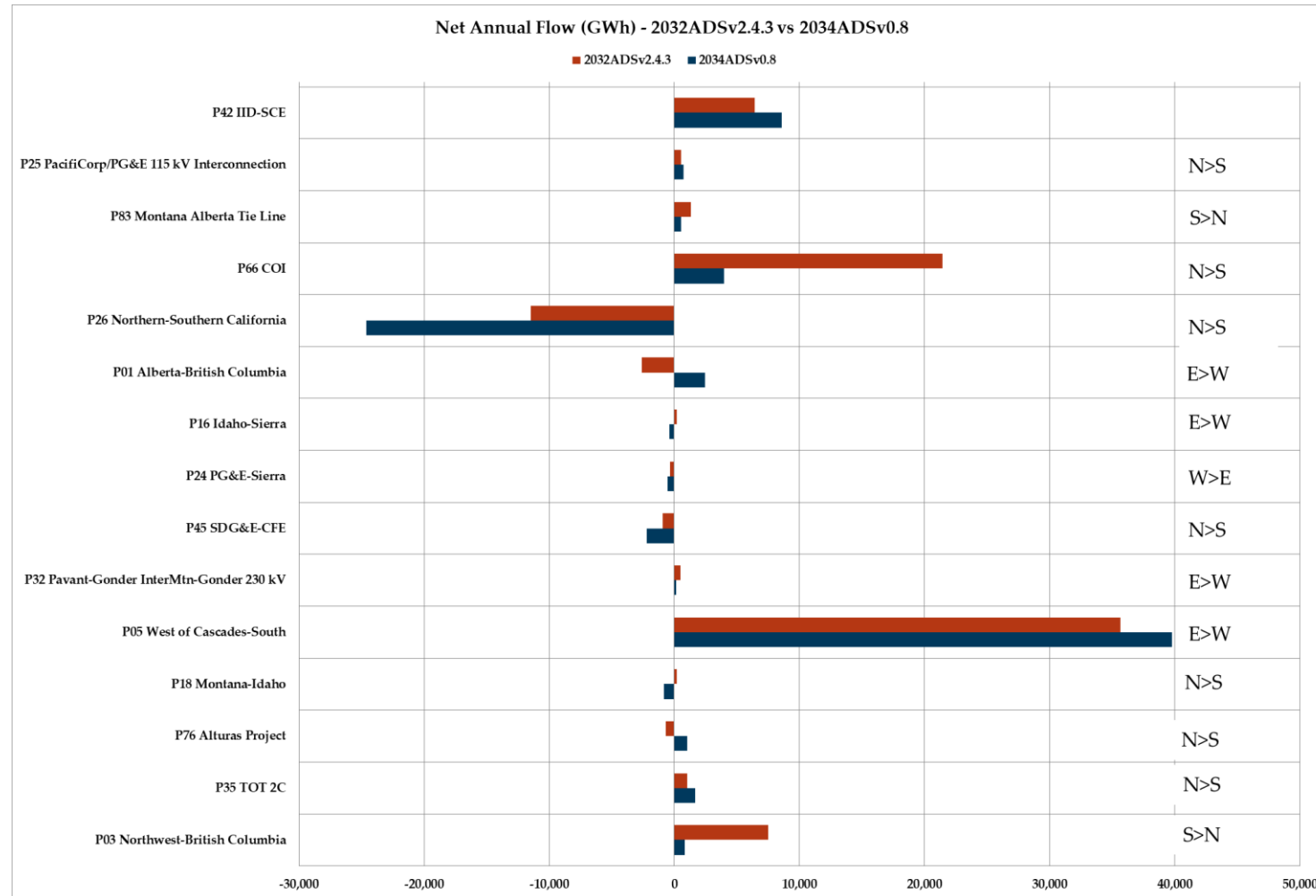
DCI Checks

838 MWh monitors the 54674 CYPRES1 to 55473 MCNEILL branch,
not the Miles City DCI

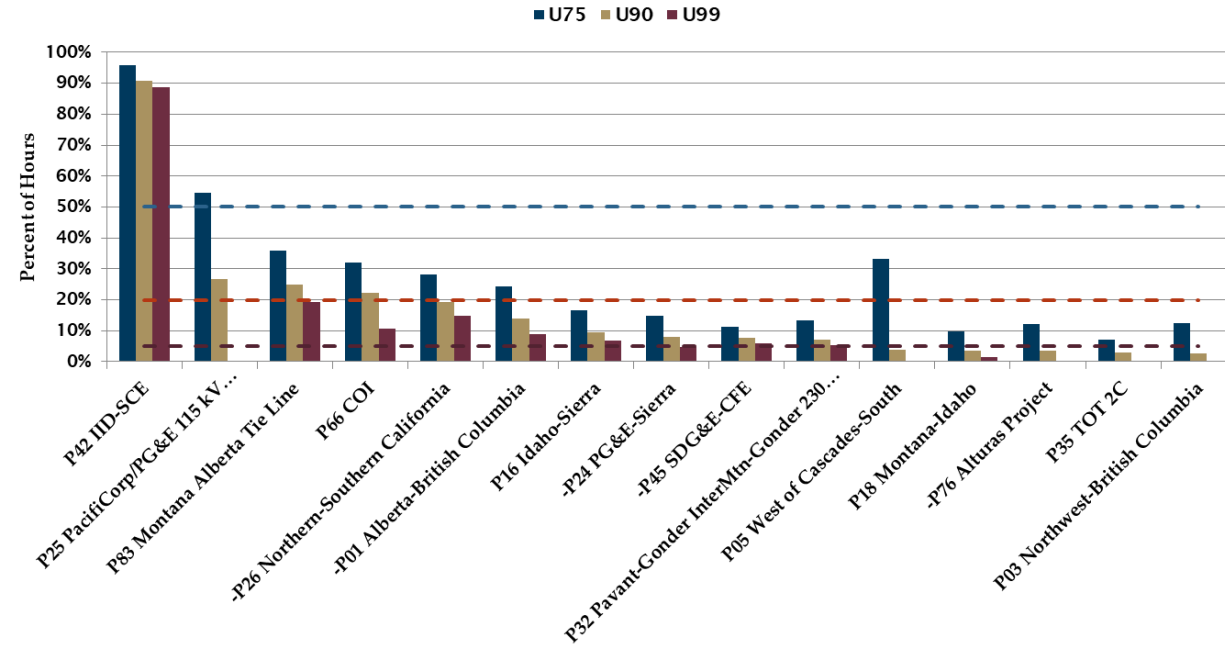
Naming Convention

Implemented for the majority

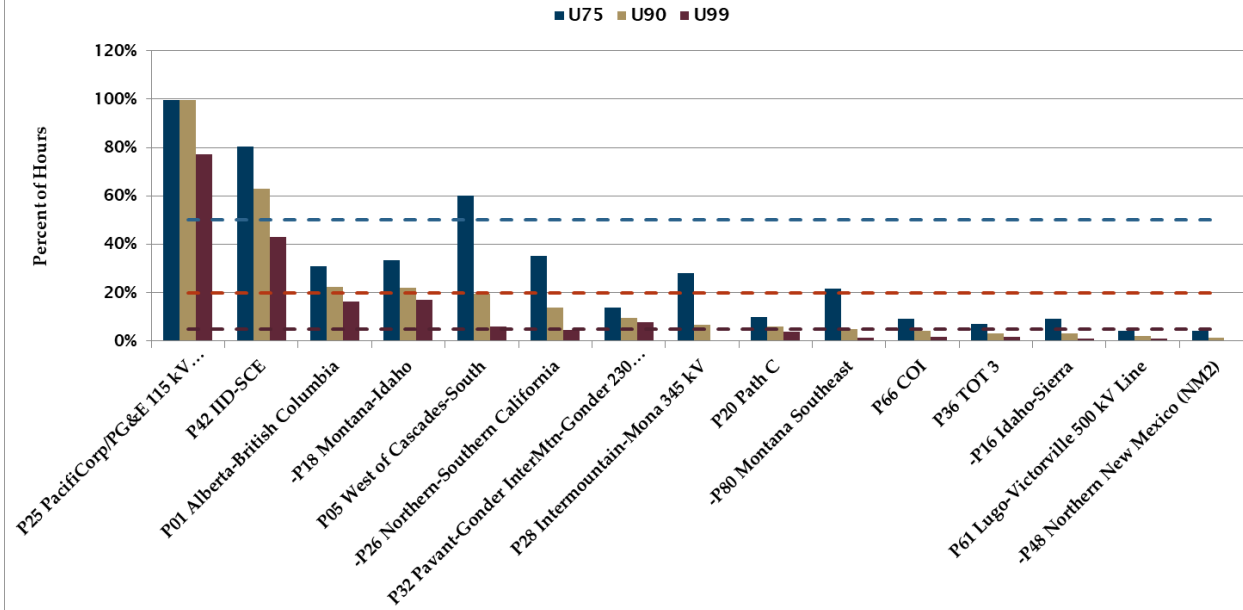
Net Annual Flow



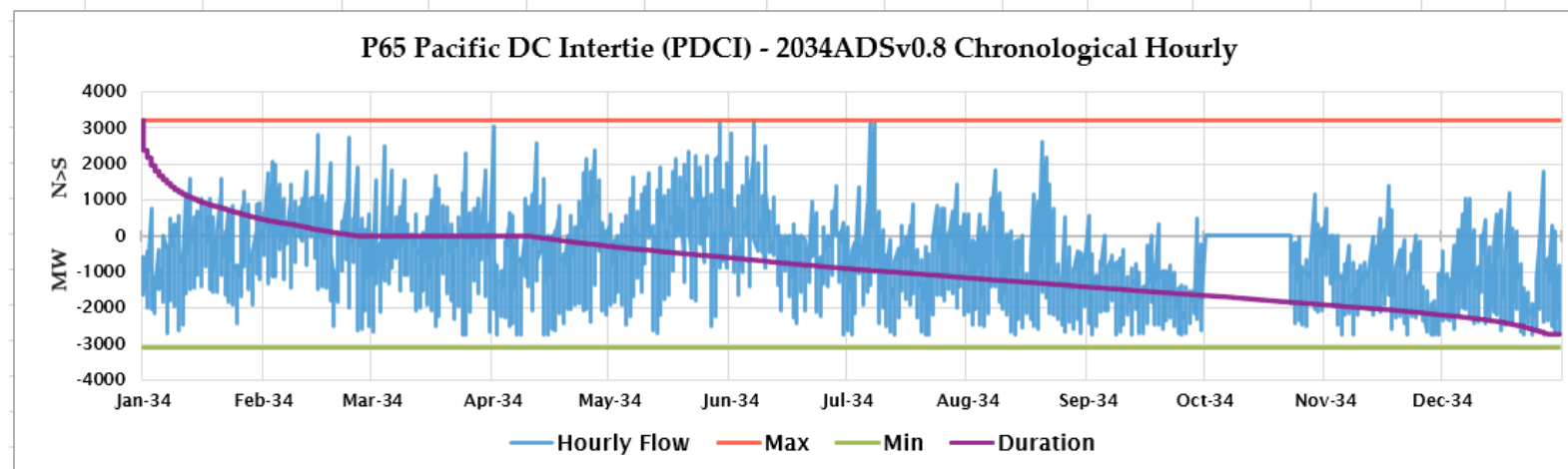
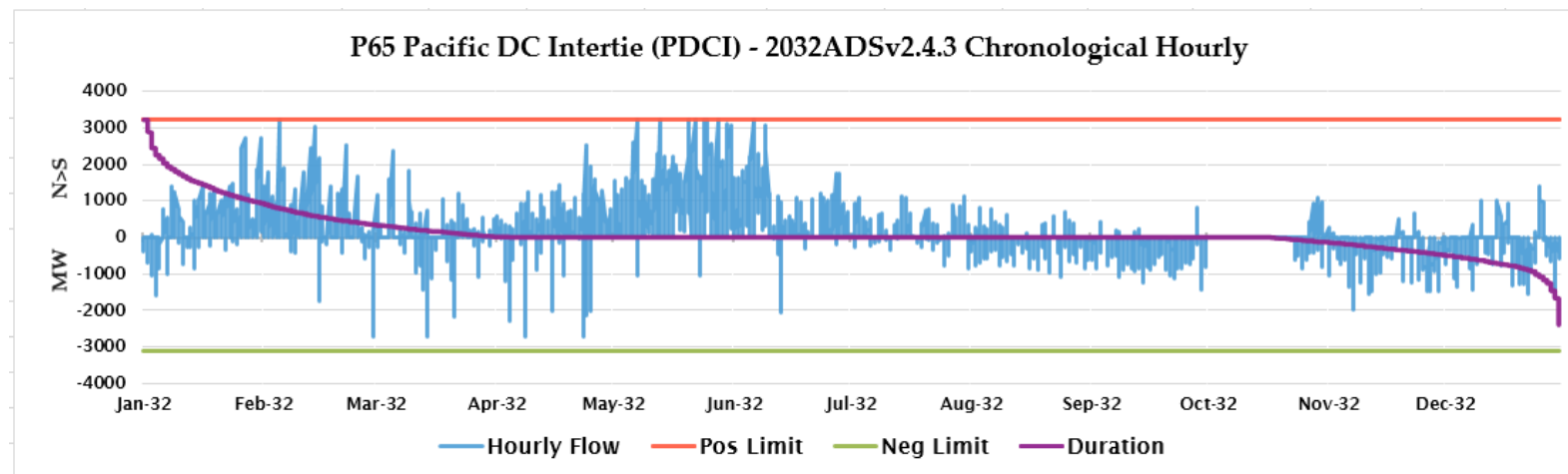
Most Heavily Utilized Paths - 2032ADSv2.4.3



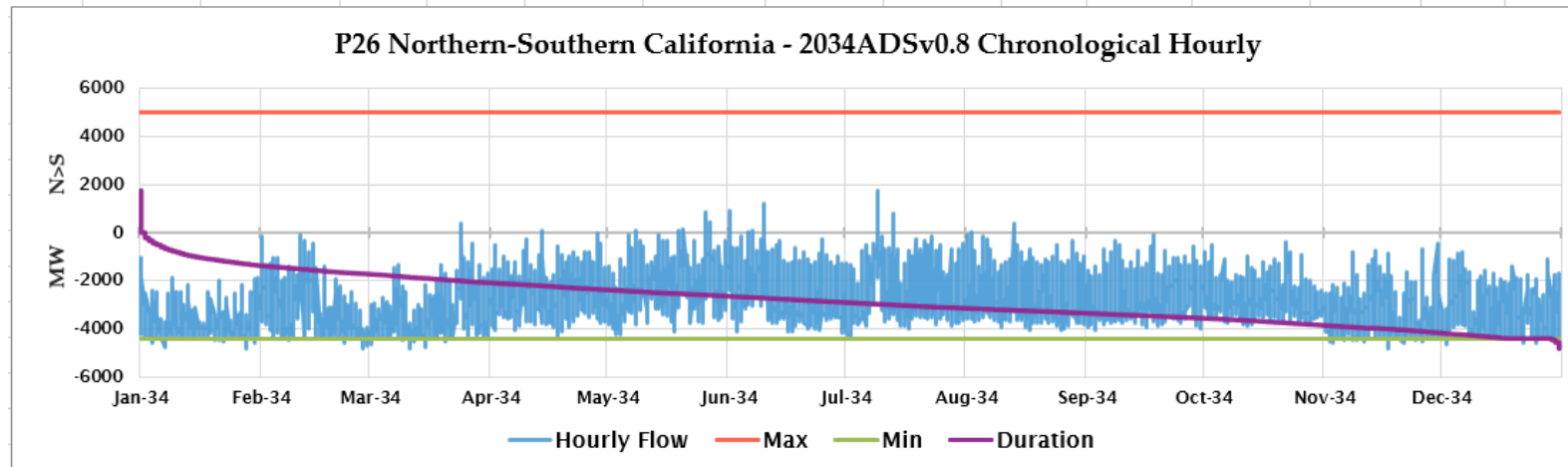
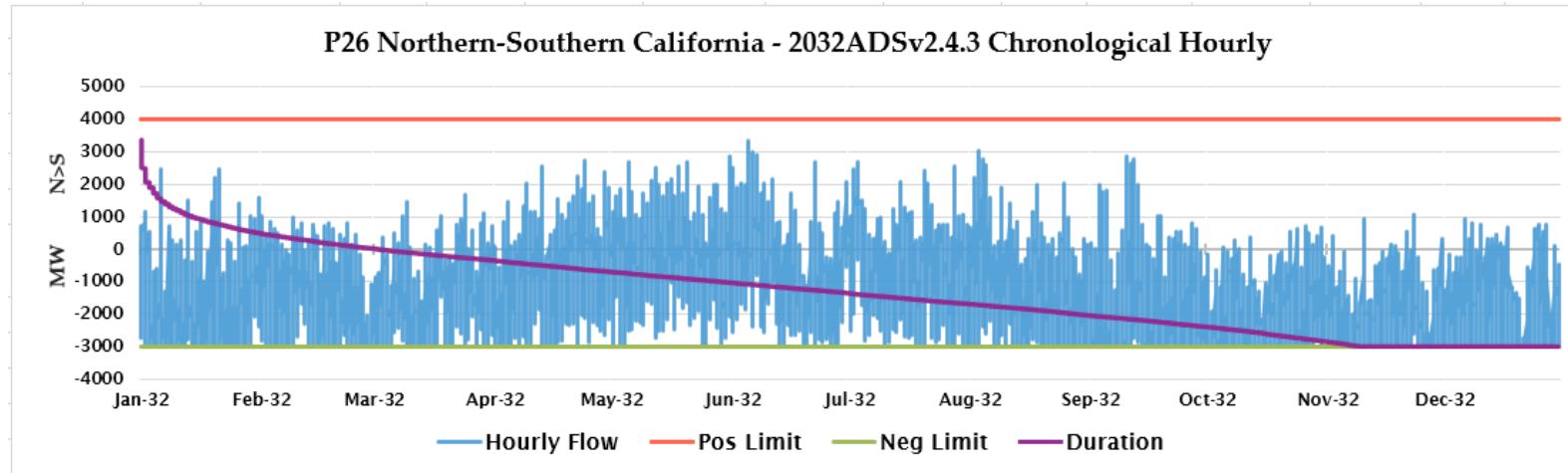
Most Heavily Utilized Paths - 2034ADSv0.8



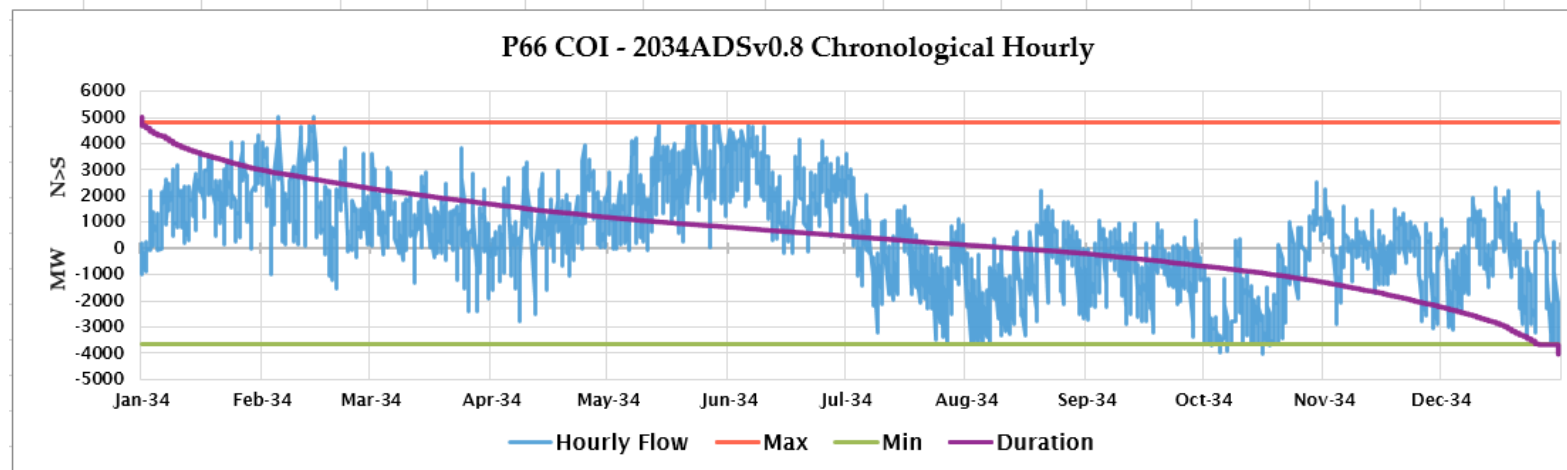
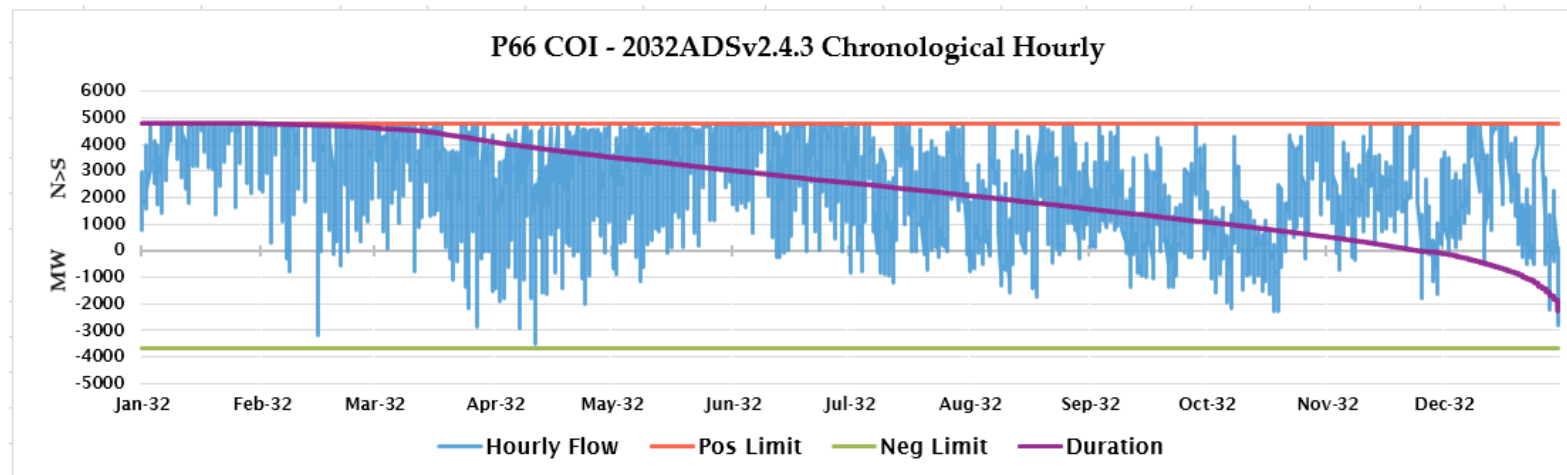
P65 PCDI



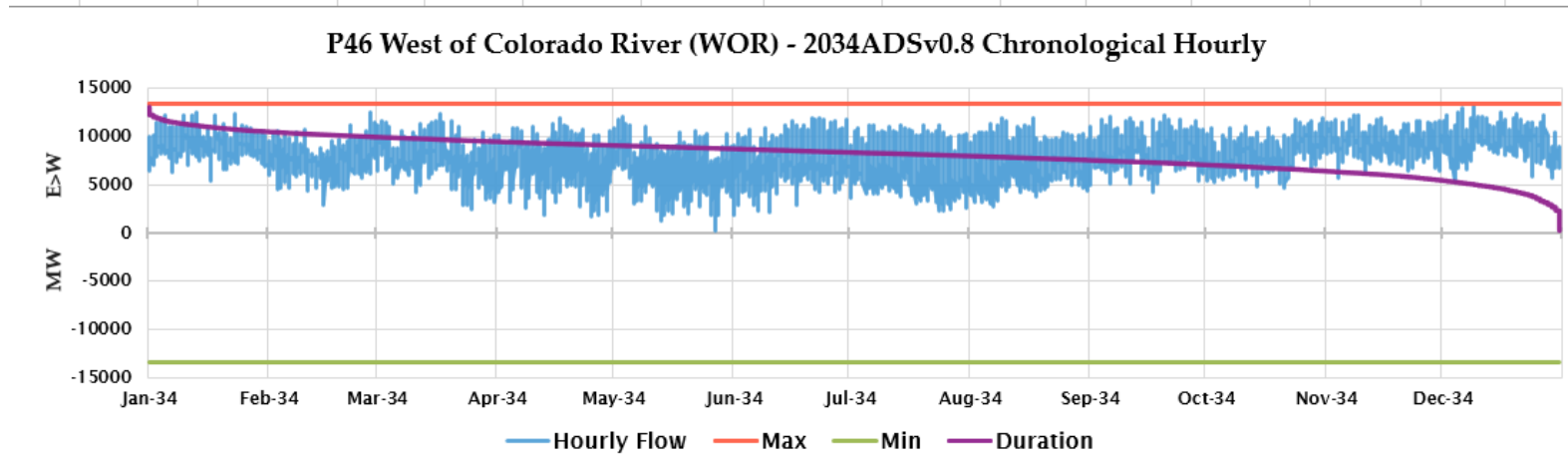
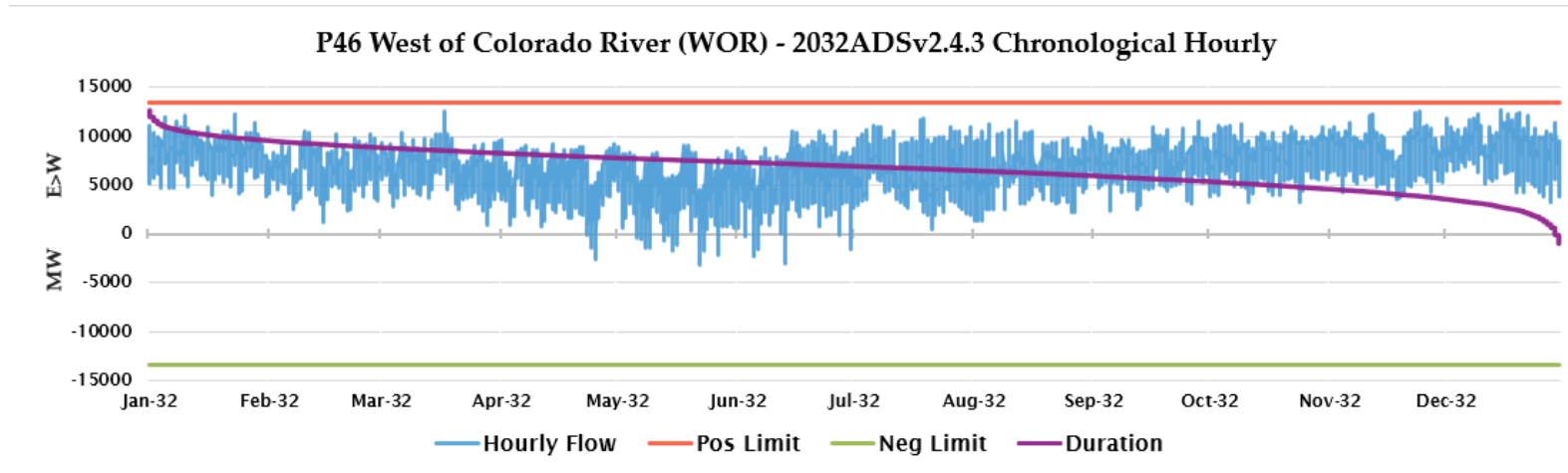
P26 N-S CA



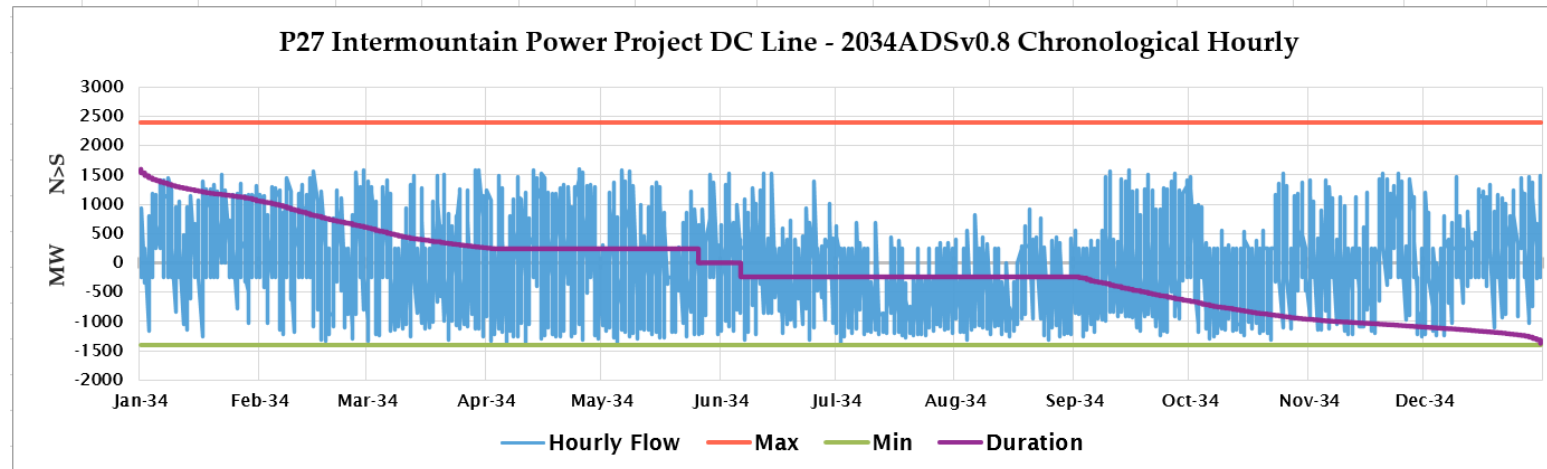
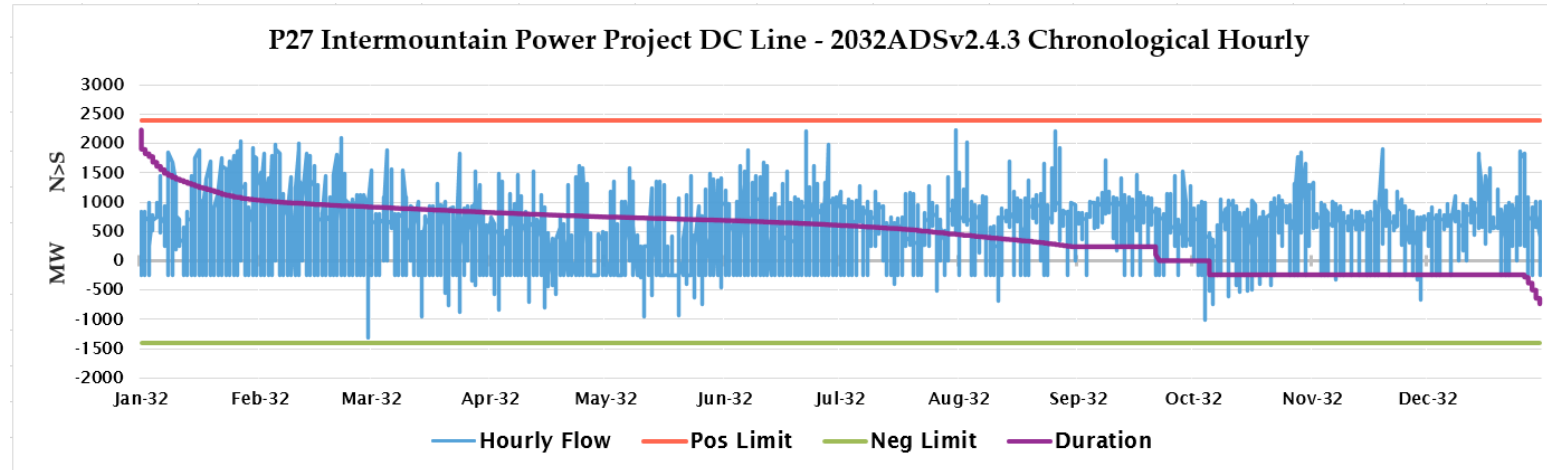
P66 COI



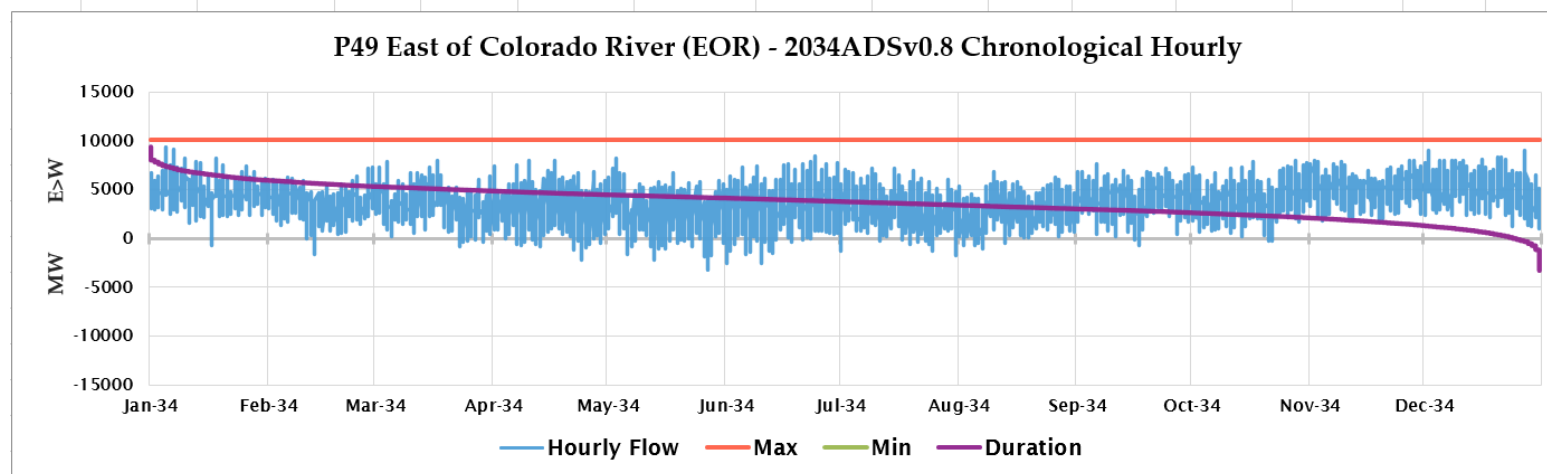
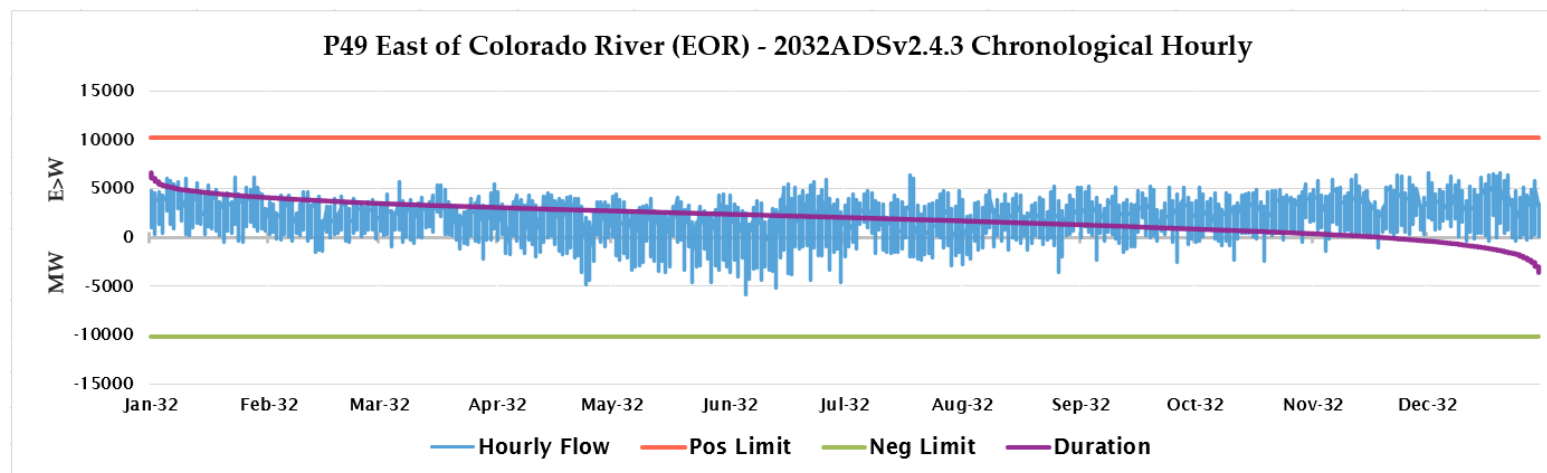
P46 WOR



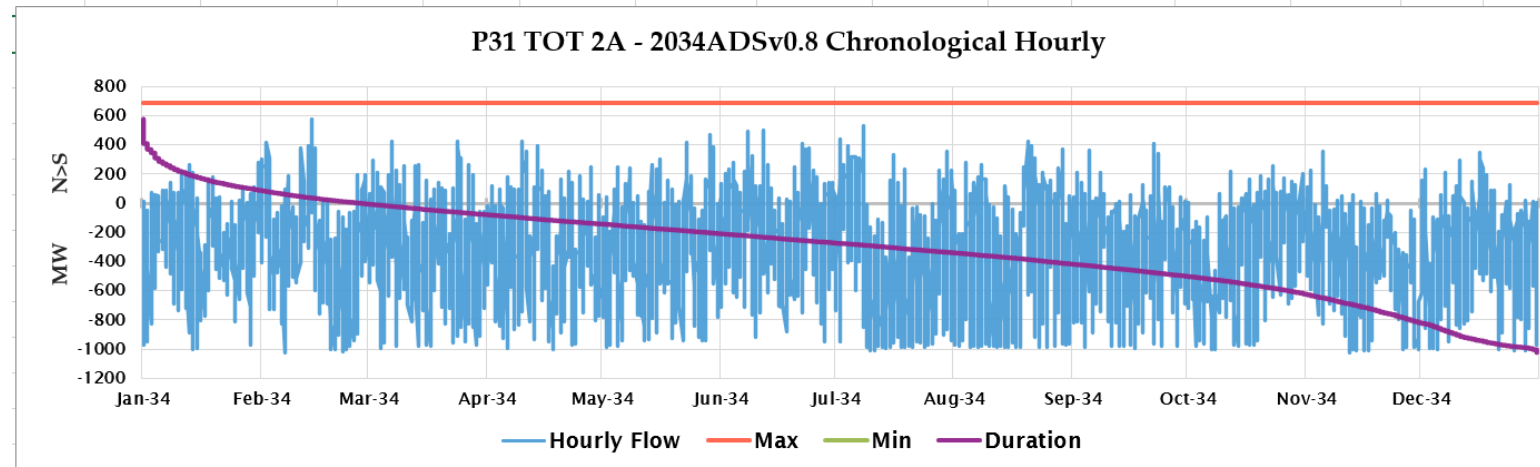
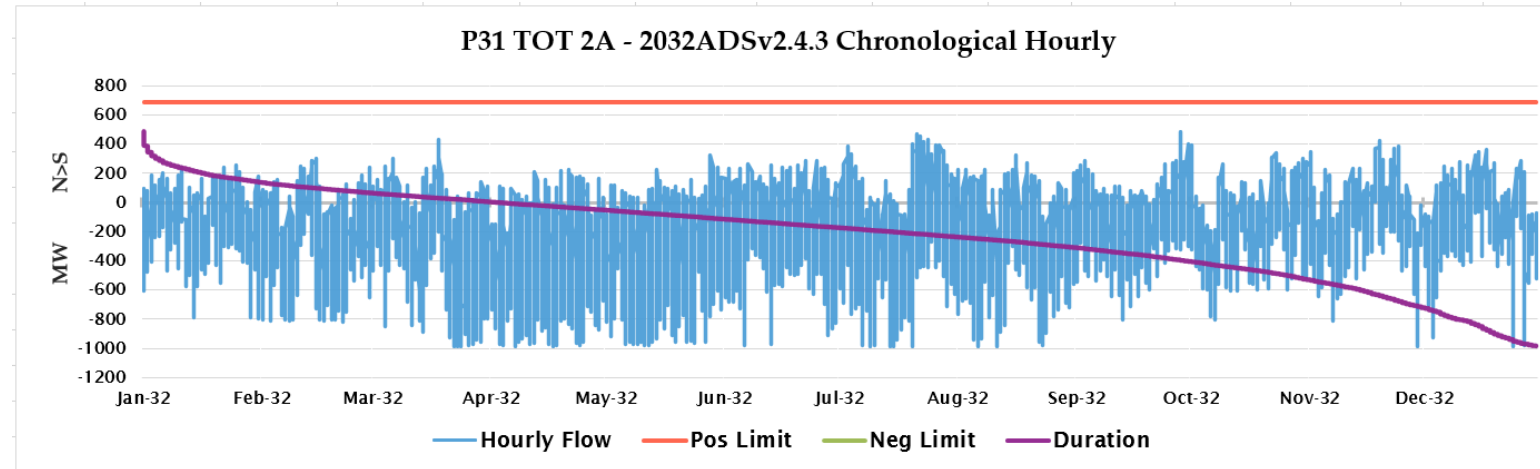
P27 IPP DC



P49 EOR



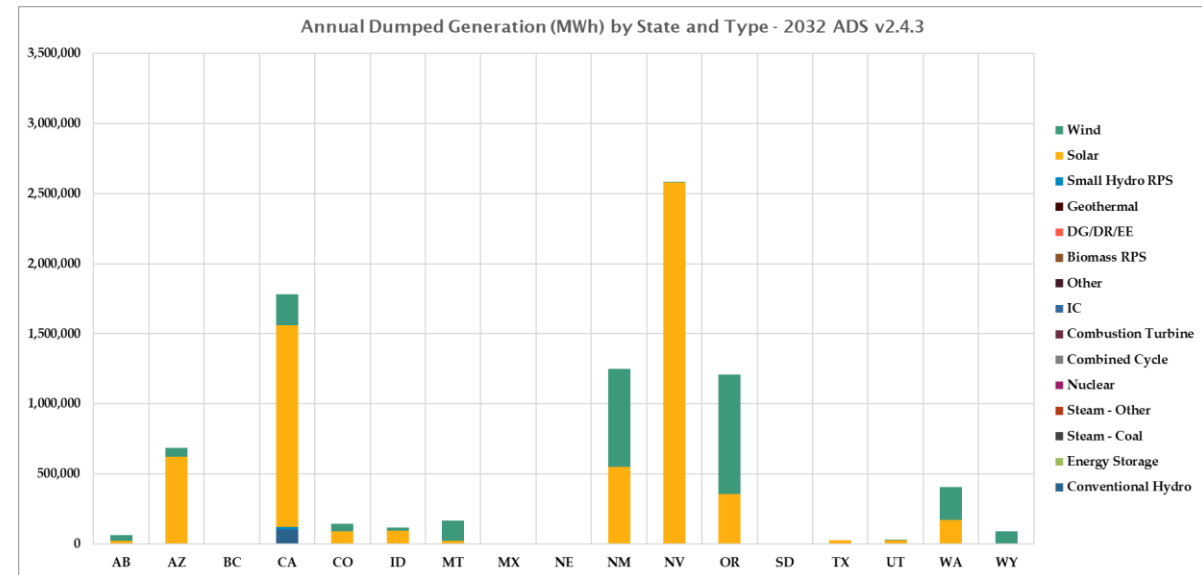
P31 TOT2A



Dumped Generation

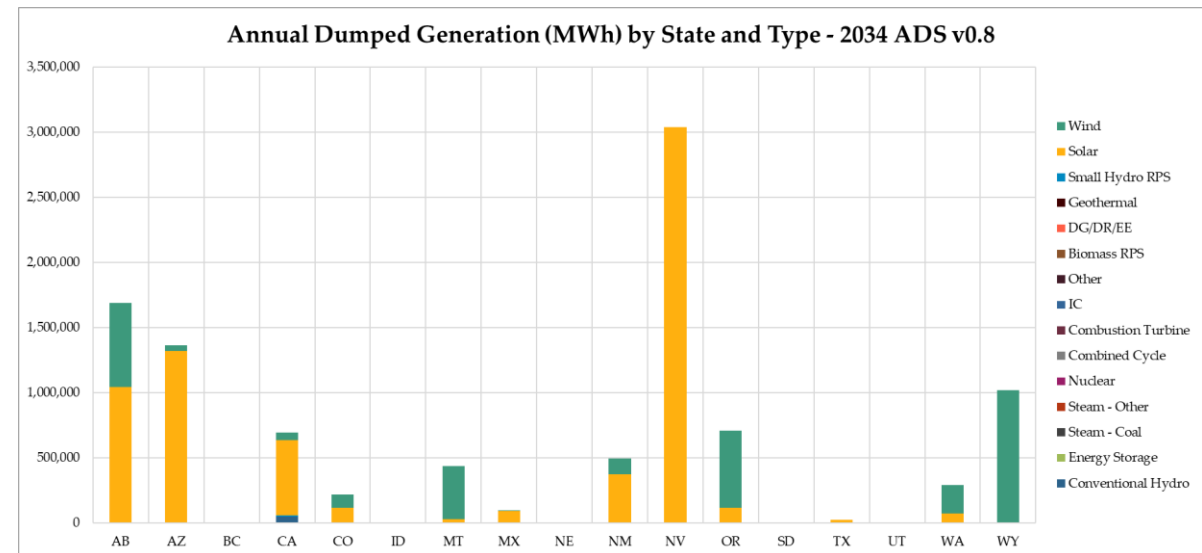
Total: 8,542,400 MWh

Curtailment %: 0.78%

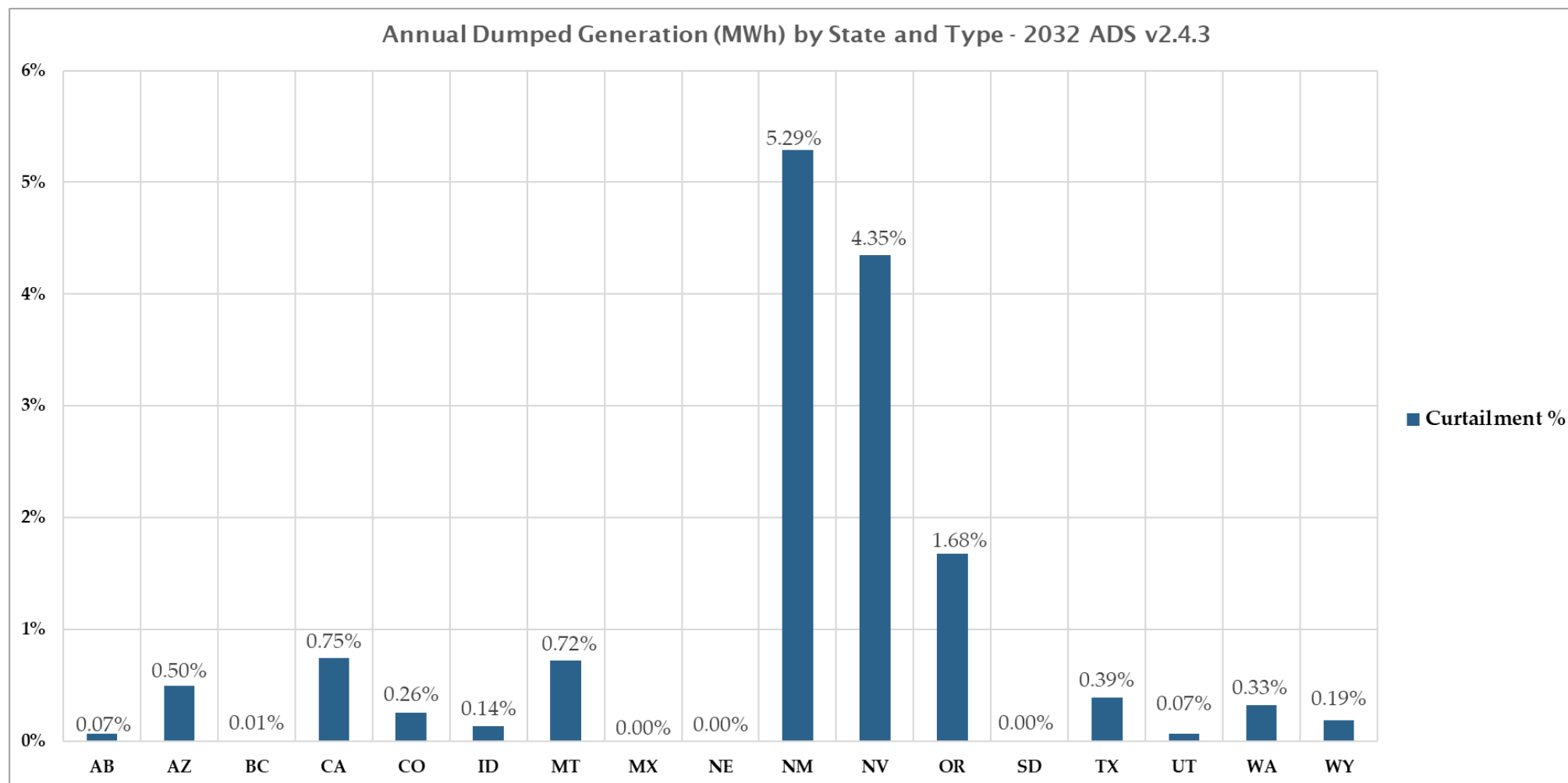


Total: 10,071,551 MWh

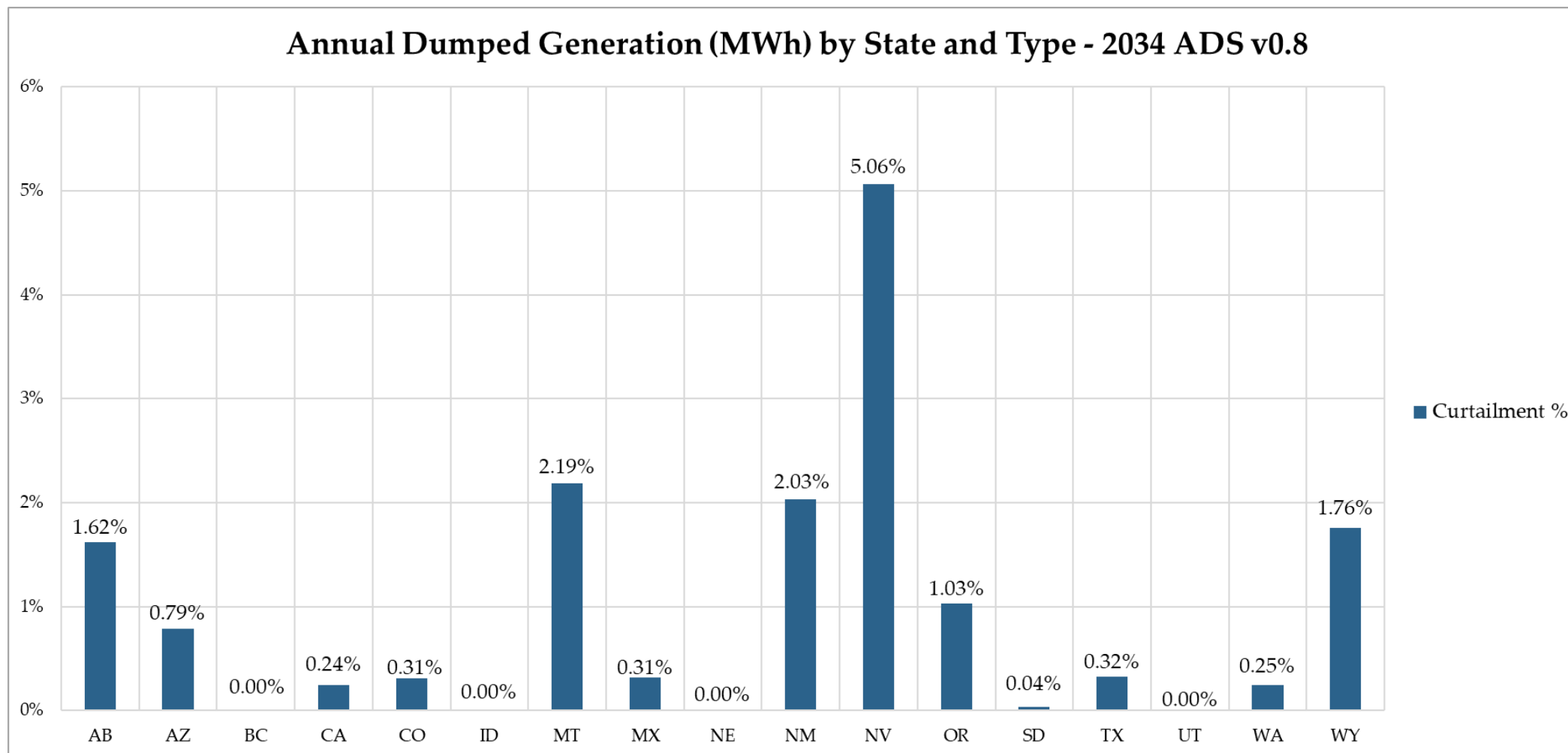
Curtailment %: 0.83%



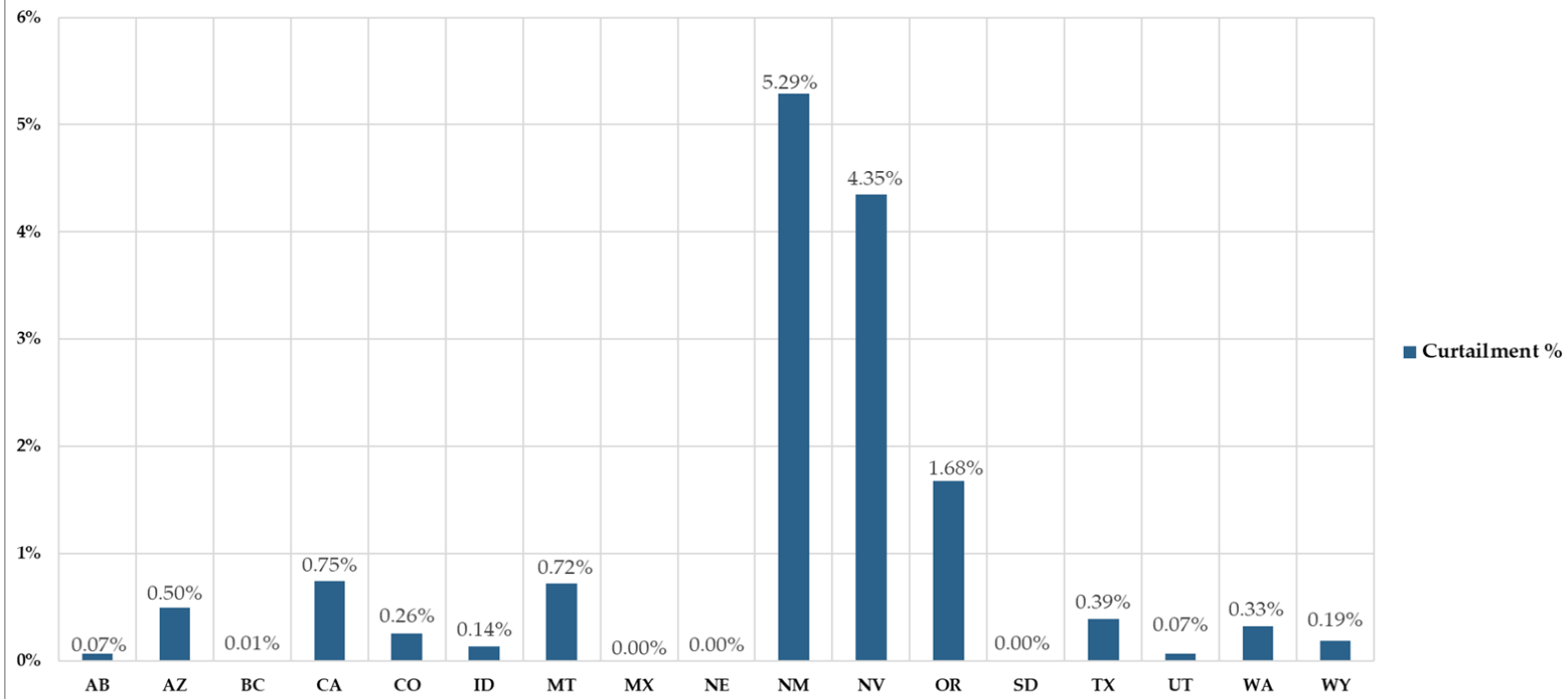
Dumped Generation 2032 ADS V2.4.3



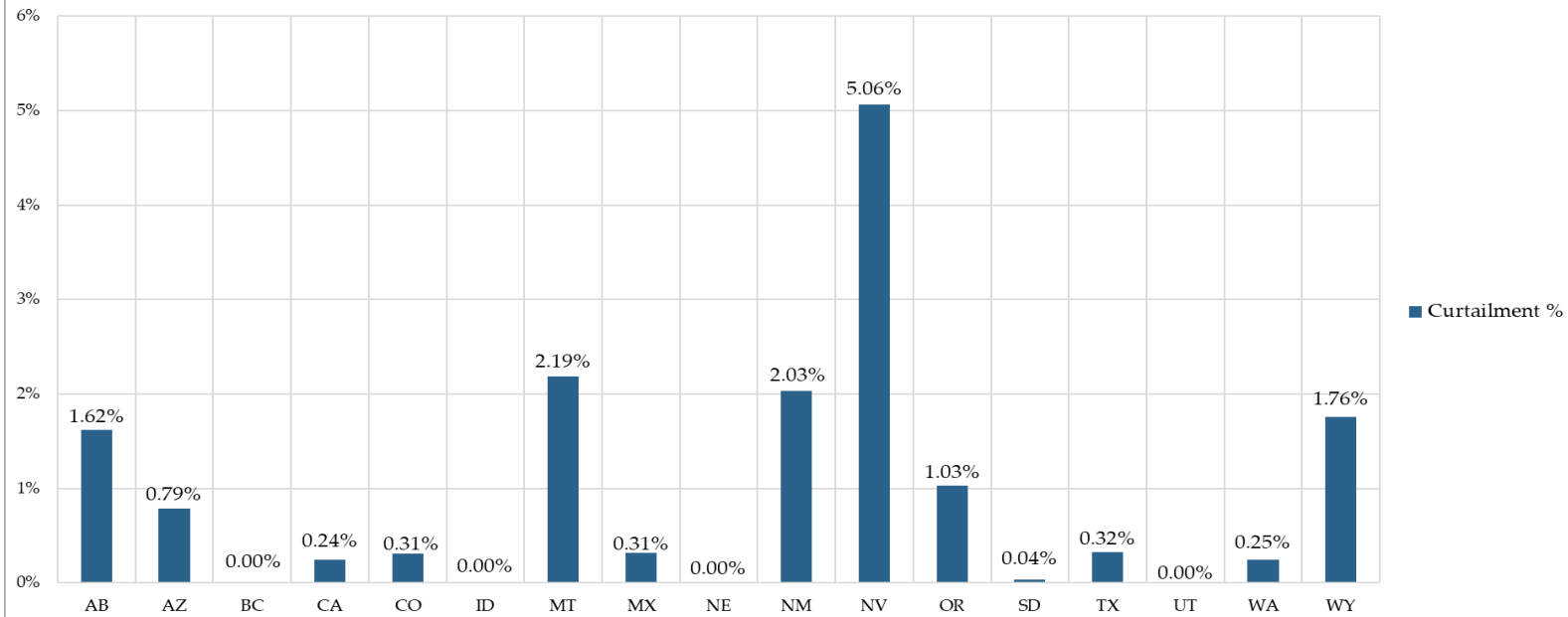
Dumped Generation 2034 ADS V0.8



Annual Dumped Generation (MWh) by State and Type - 2032 ADS v2.4.3

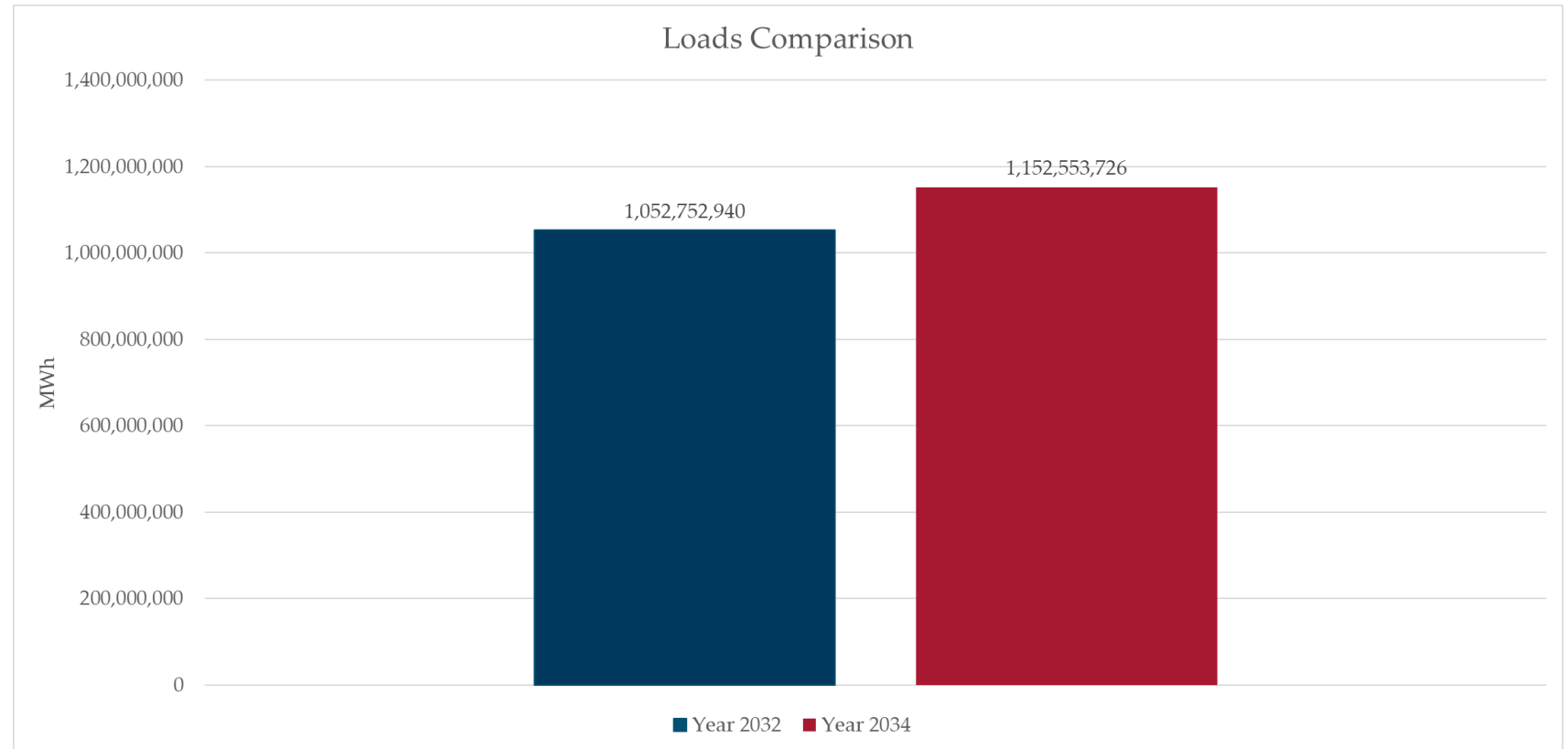


Annual Dumped Generation (MWh) by State and Type - 2034 ADS v0.8

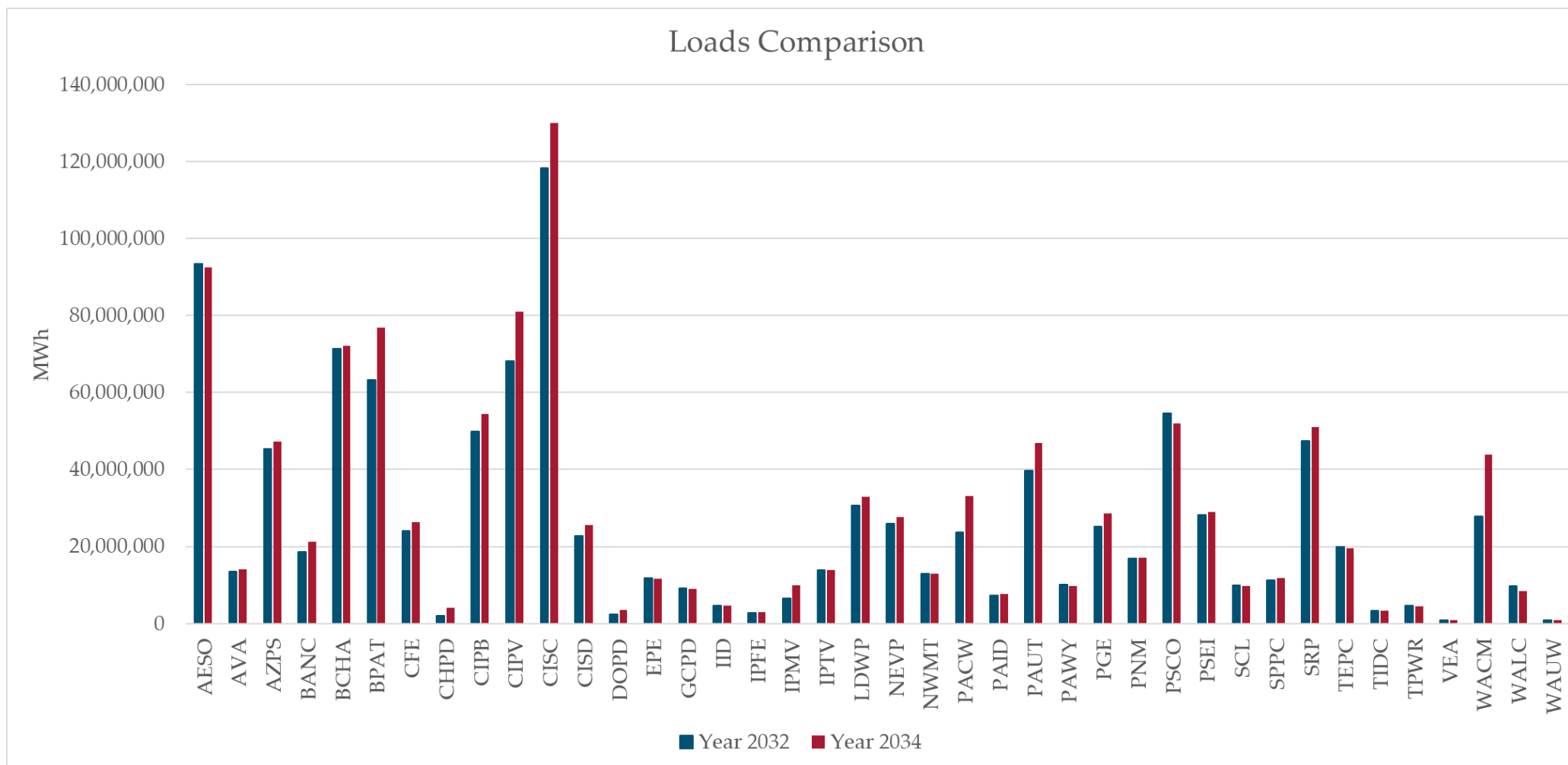


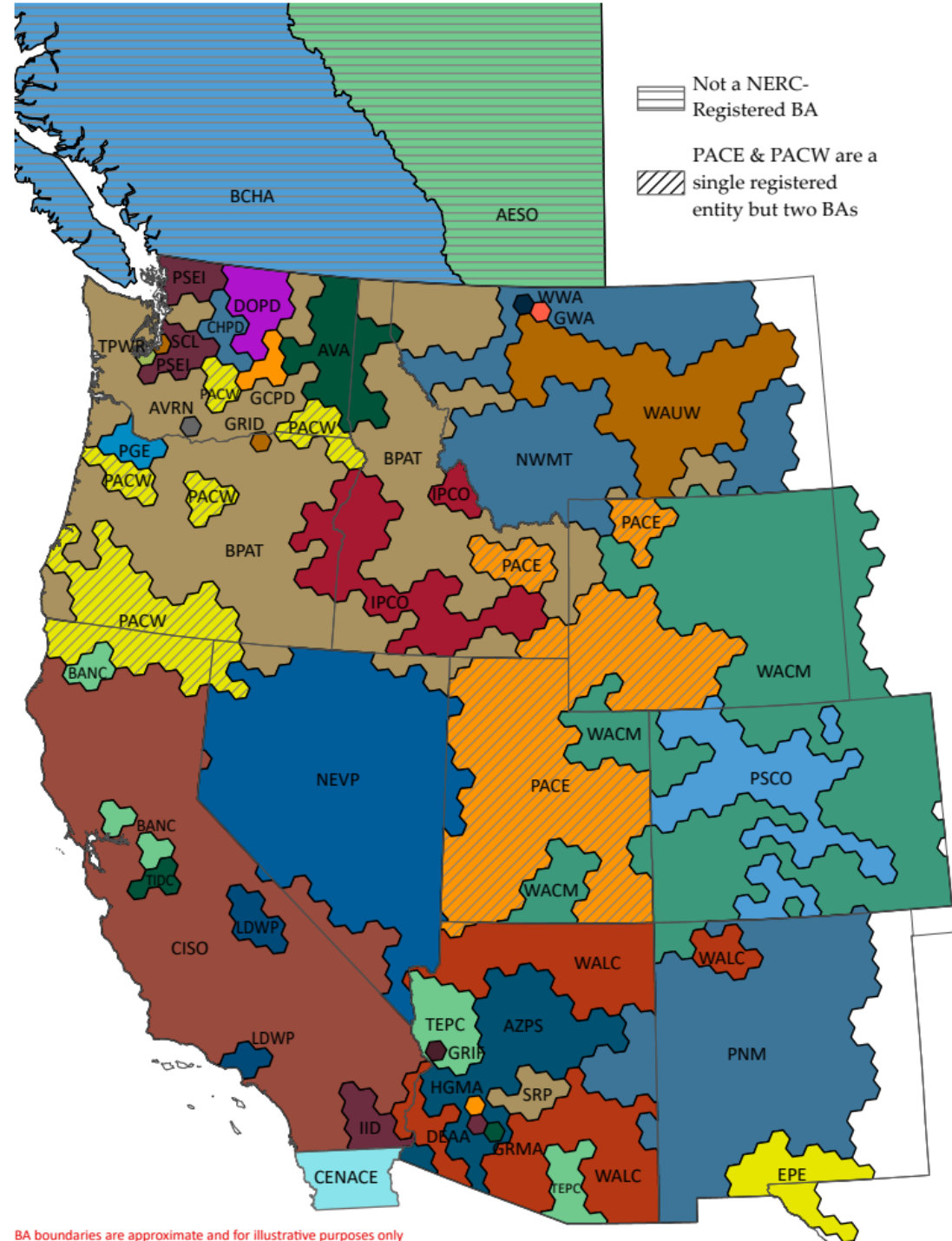
Loads Comparison

9.5% increase from 2032 to 2034

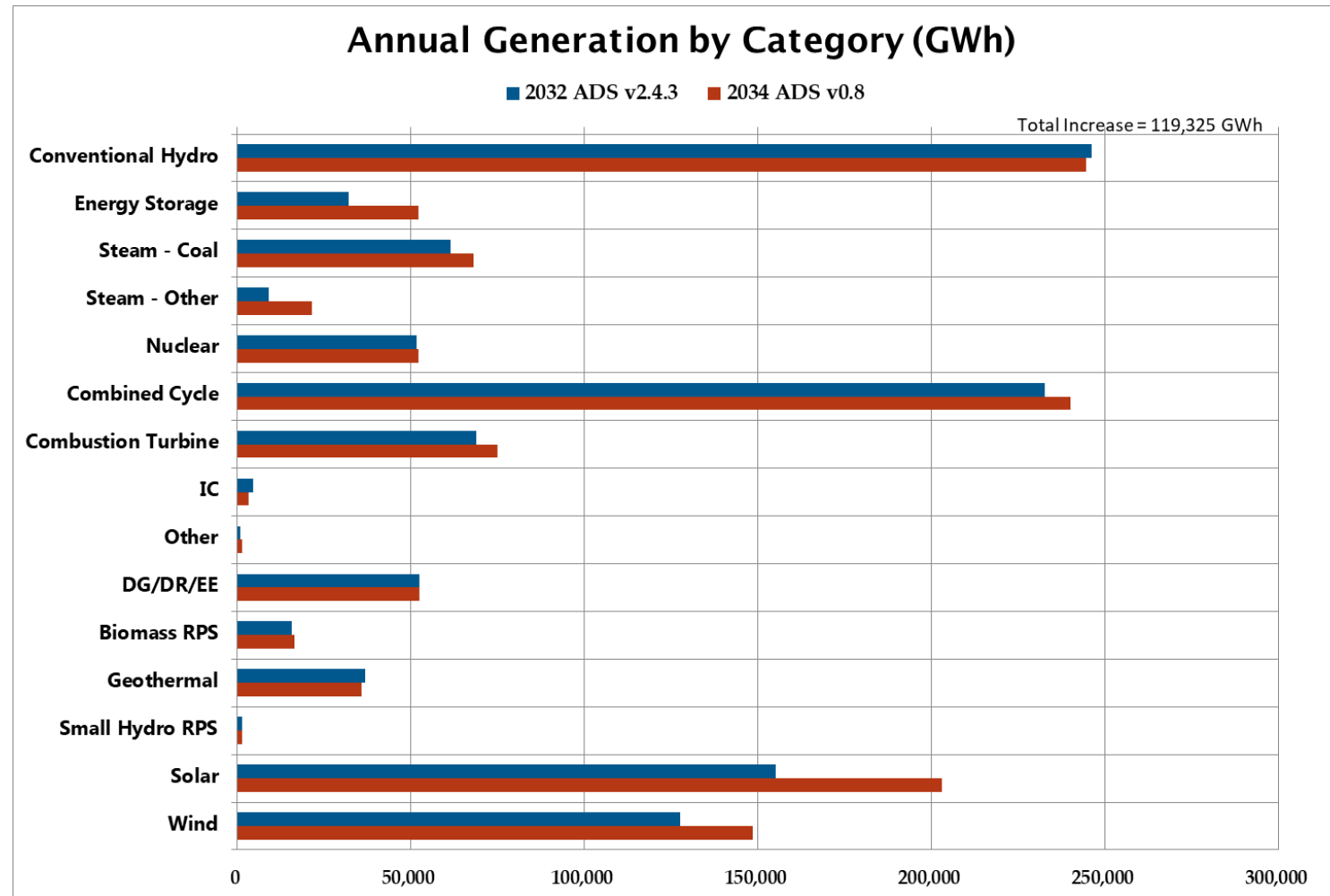


Loads Comparison

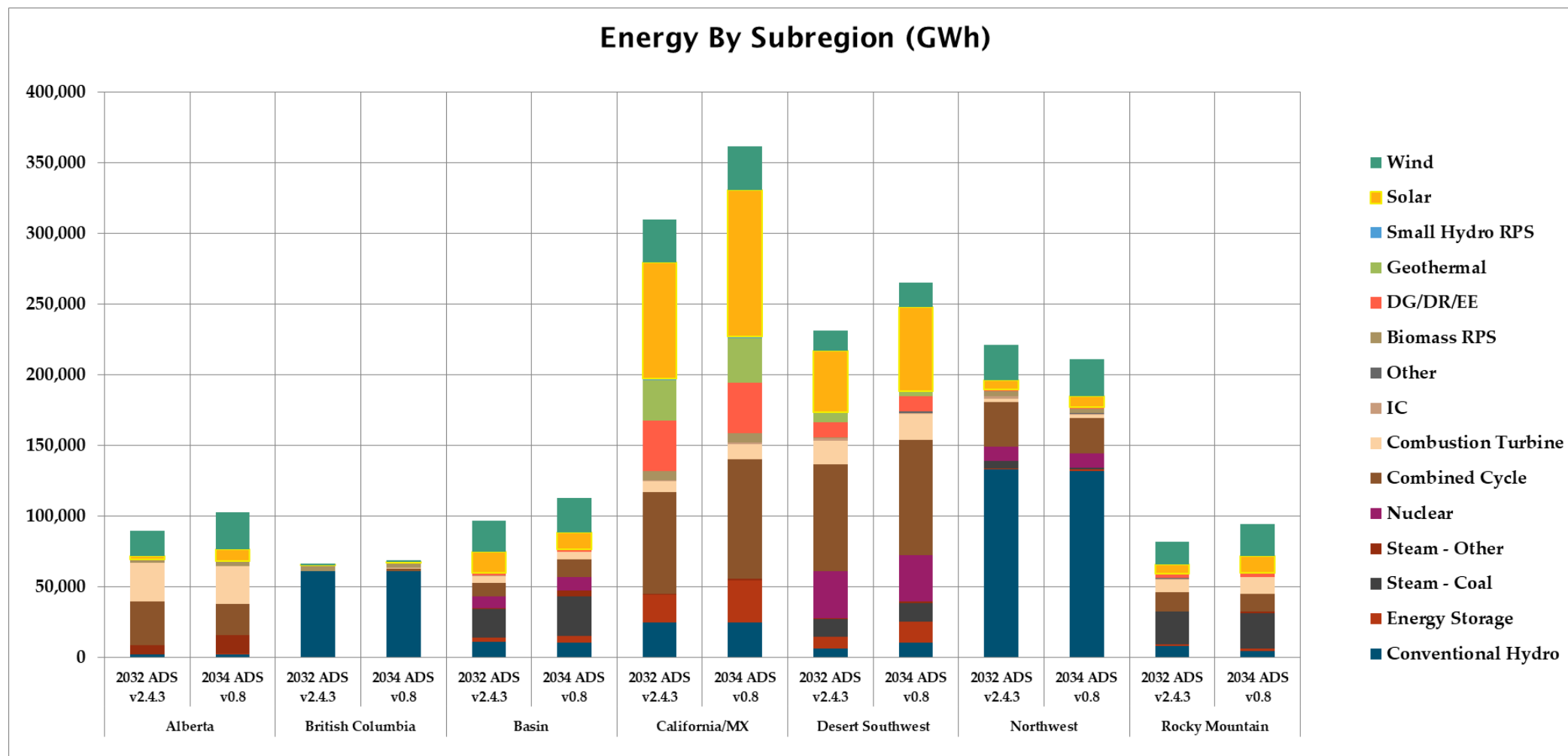




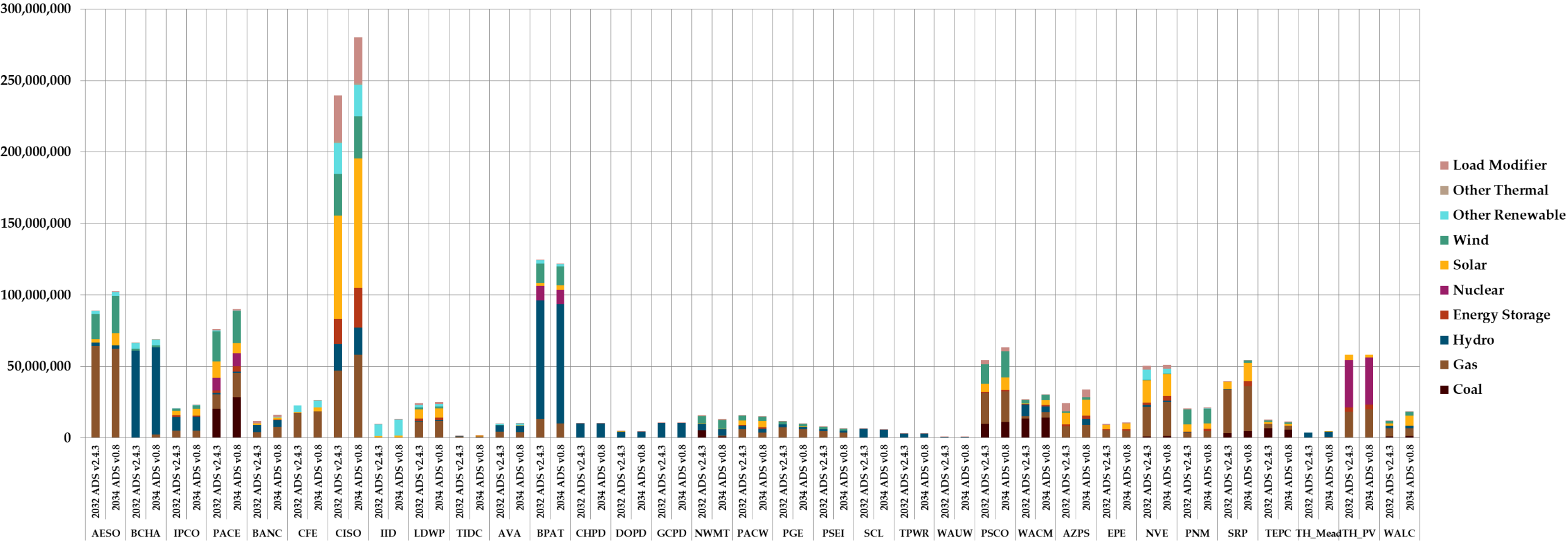
Annual Generation



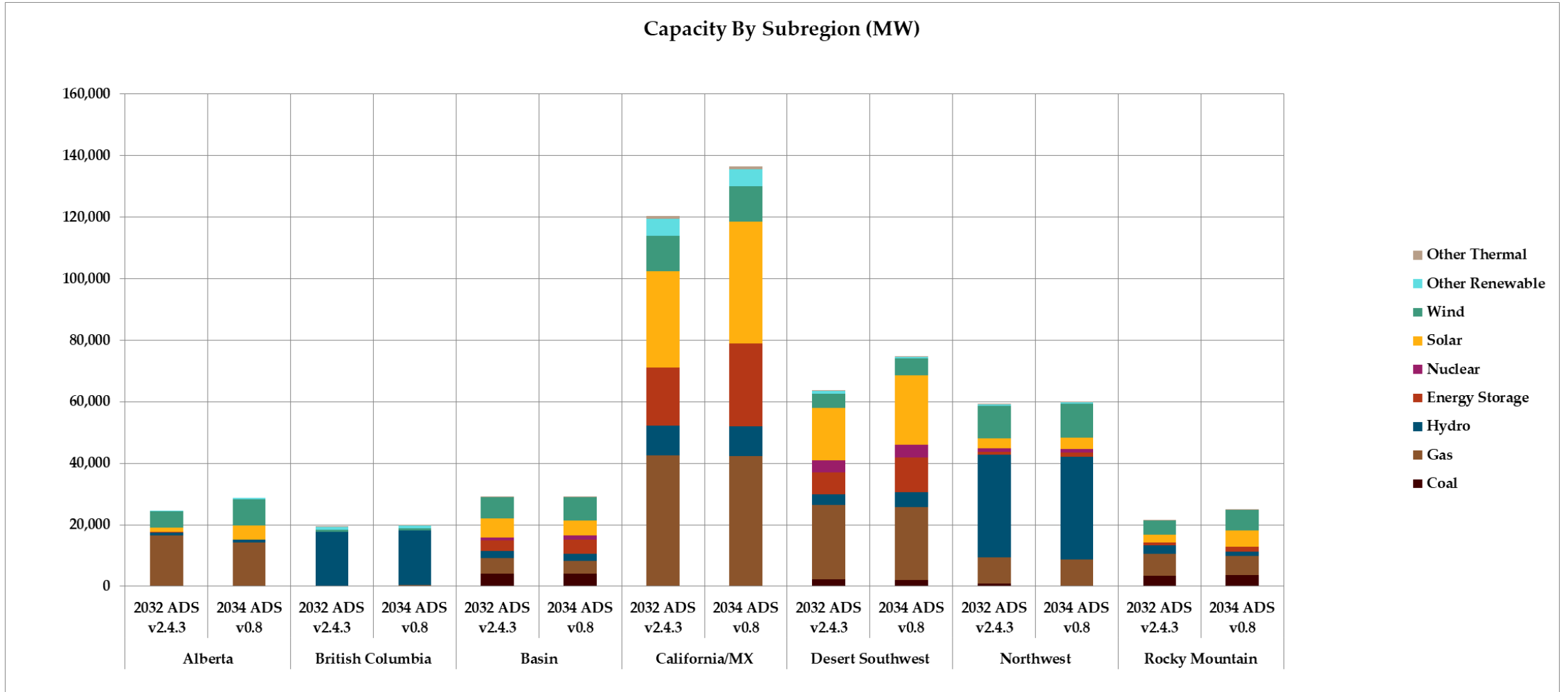
Energy By Subregion



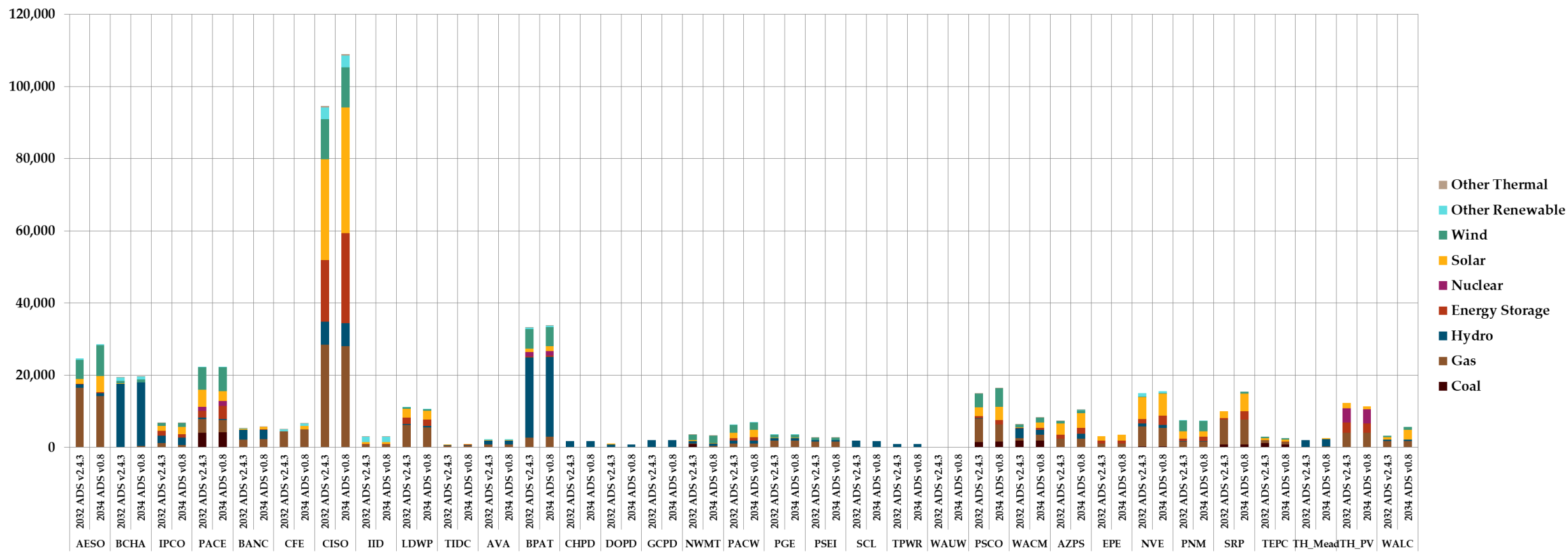
Annual Generation (MWh)



Capacity



Capacity (MW)



Approval Item

Approve the 2034 ADS PCM V1 as presented. Incorporate edits as they become identified.

