



2042FC

July 12, 2023

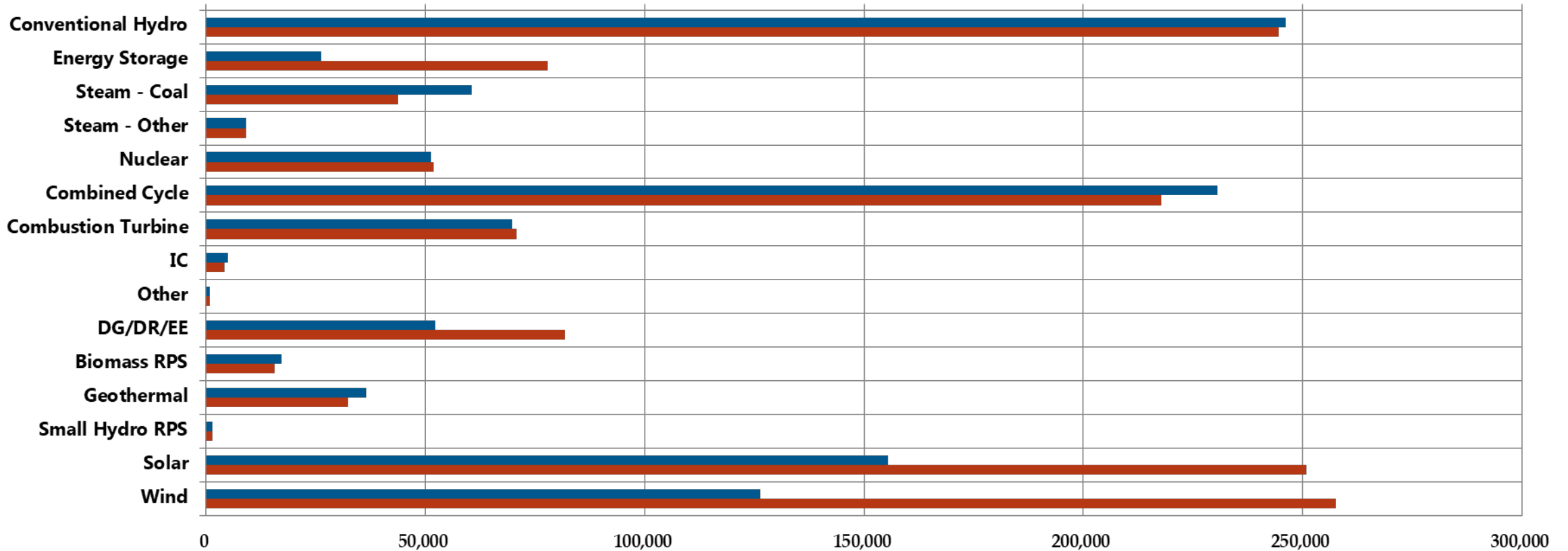
WECC

Energy

Annual Generation by Category (GWh)

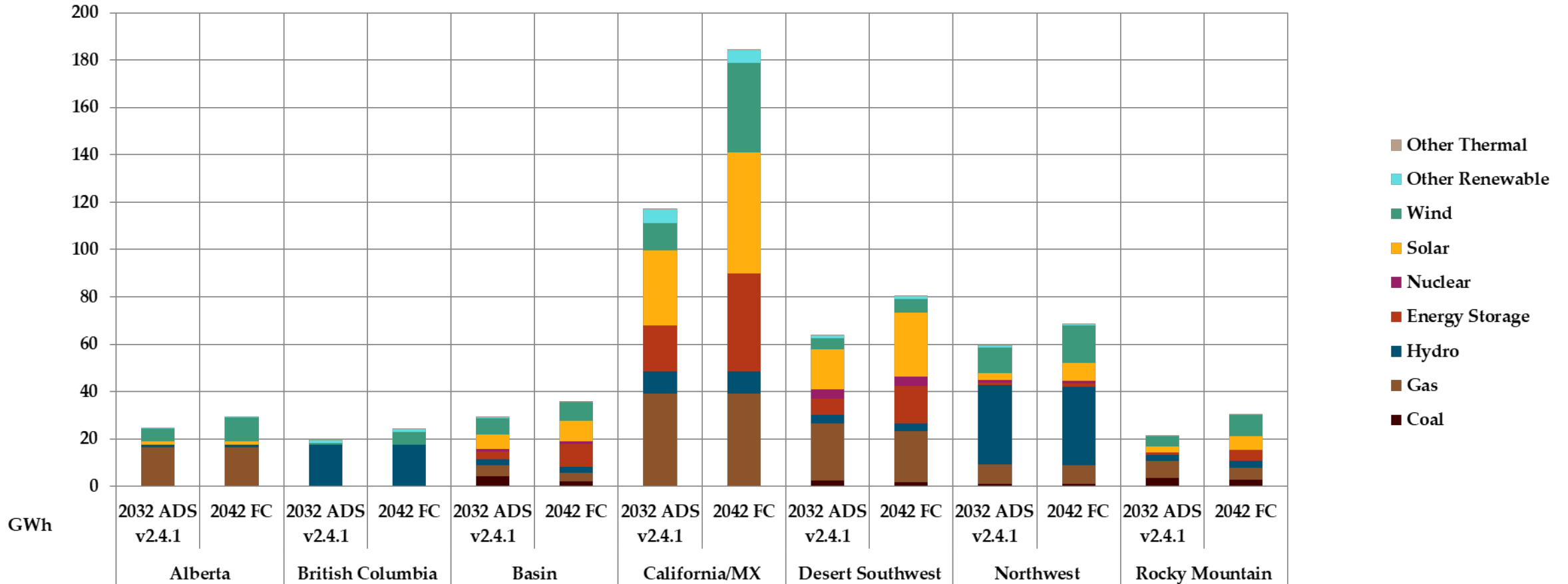
■ 2032 ADS v2.4.1 ■ 2042 FC

Total Increase = 271,733 GWh



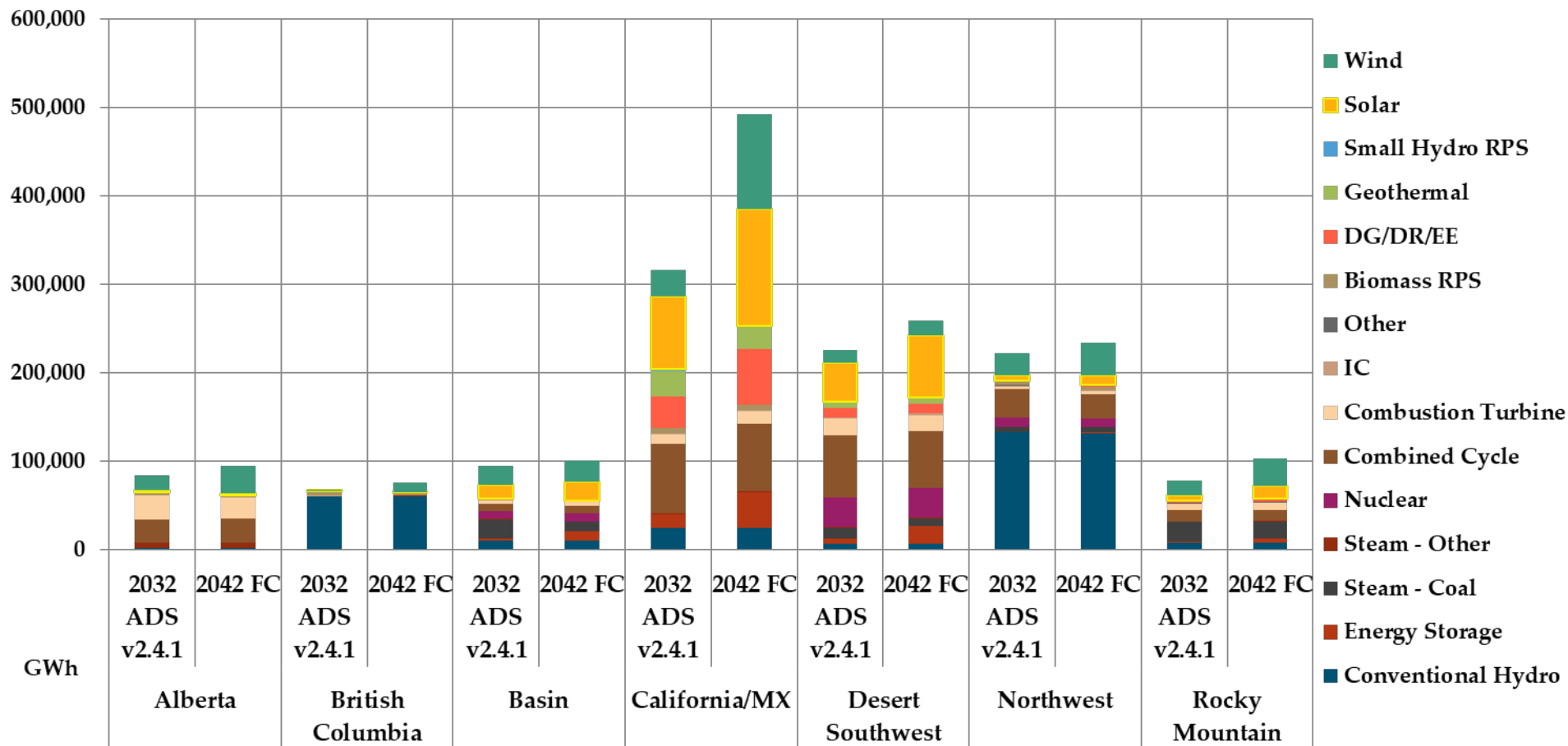
Capacity

Capacity By Subregion (MWh)



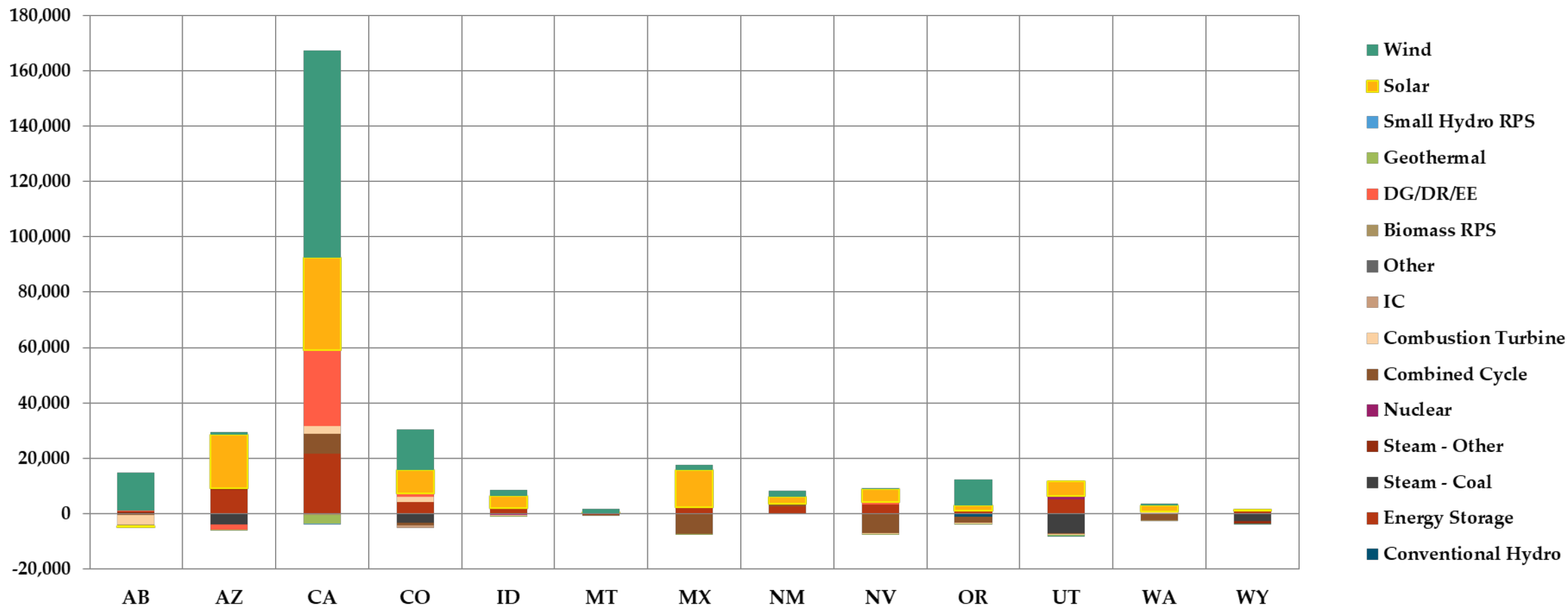
Energy Subregion

Energy By Subregion (MWh)



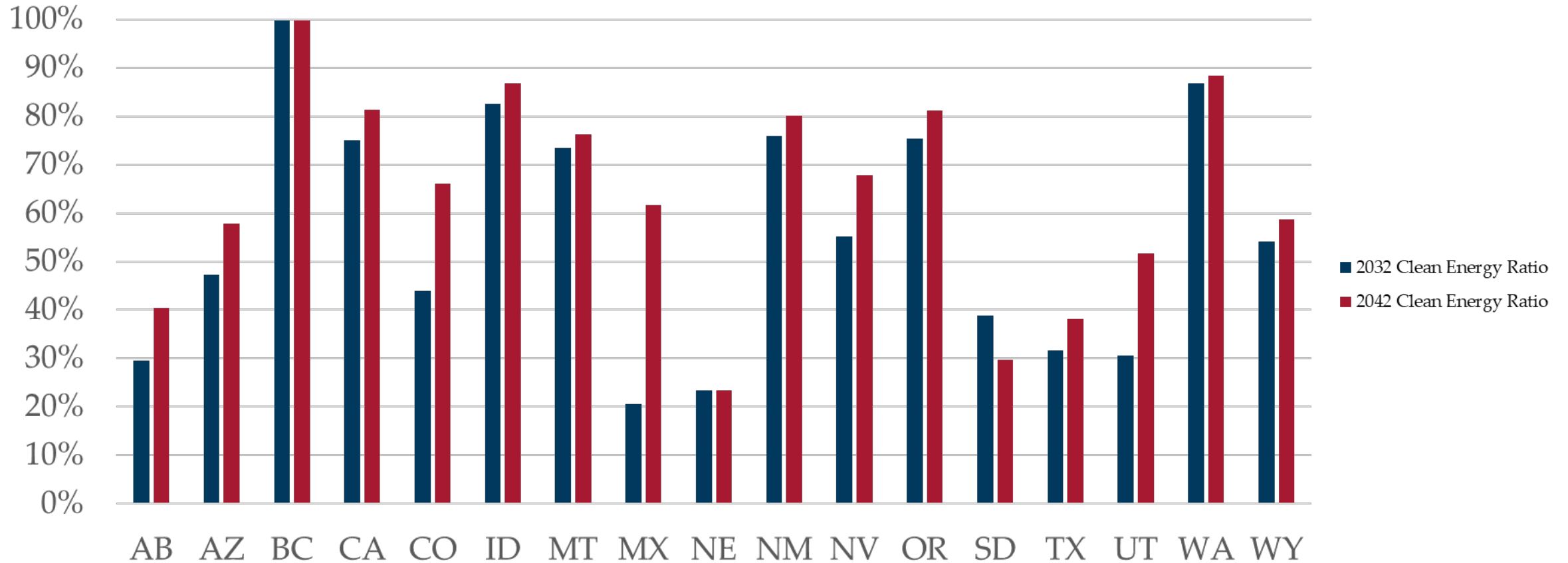
Energy Change

Annual Gen Change (GWh) 2032 ADS v2.4.1 vs 2042 FC



Clean Energy %

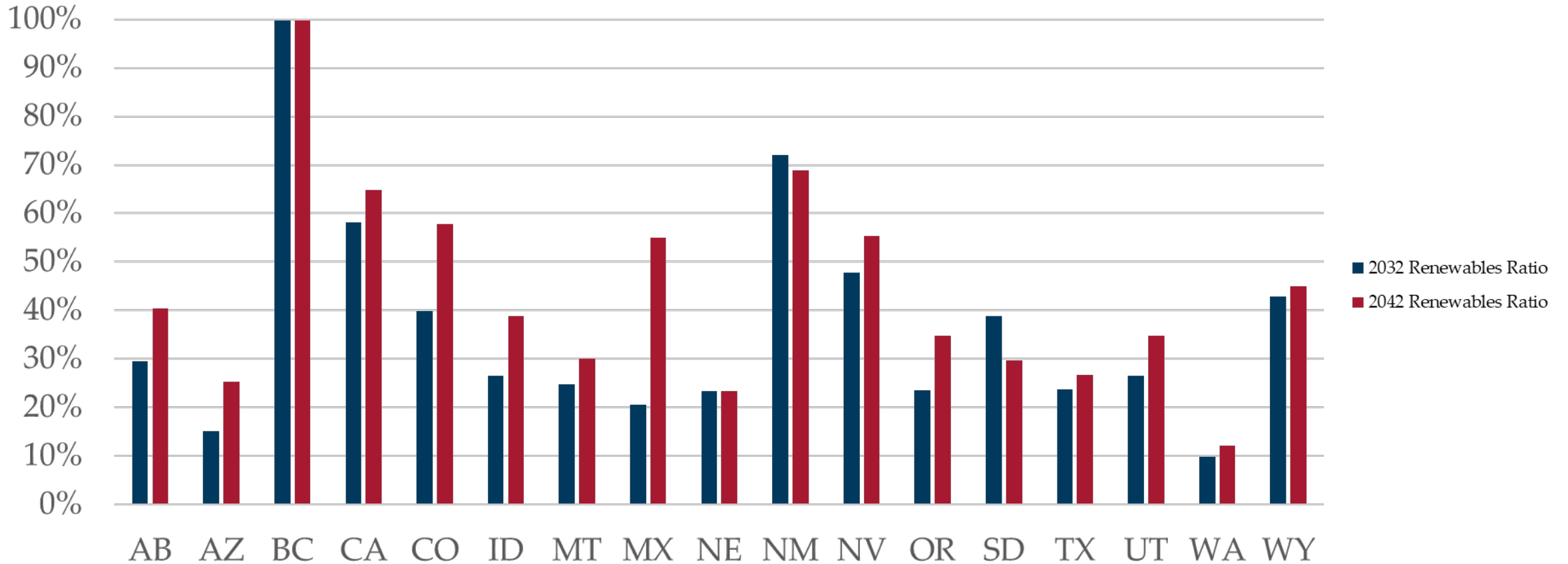
Clean Ratio=(Hydro+Energy Storage+Nuclear+Bio+Geo+Solar+Wind+RPS Hydro)-(load-DG)
Clean Energy Ratio



Renewable Energy %

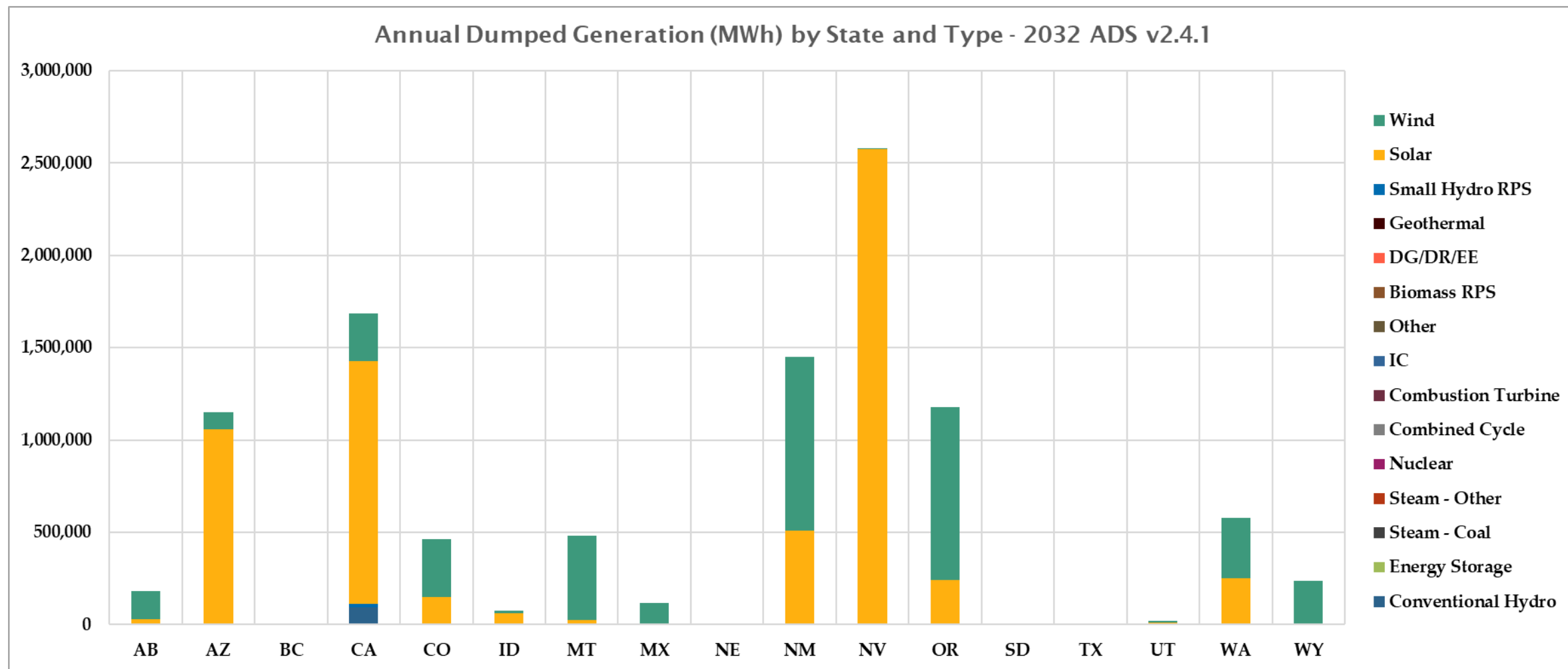
$$\text{Renewable Ratio} = (\text{Hydro(AB,BC)} + \text{Bio} + \text{Geo} + \text{Solar} + \text{Wind} + \text{RPS Hydro}) - (\text{load} - \text{DG})$$

Renewable Energy Ratio



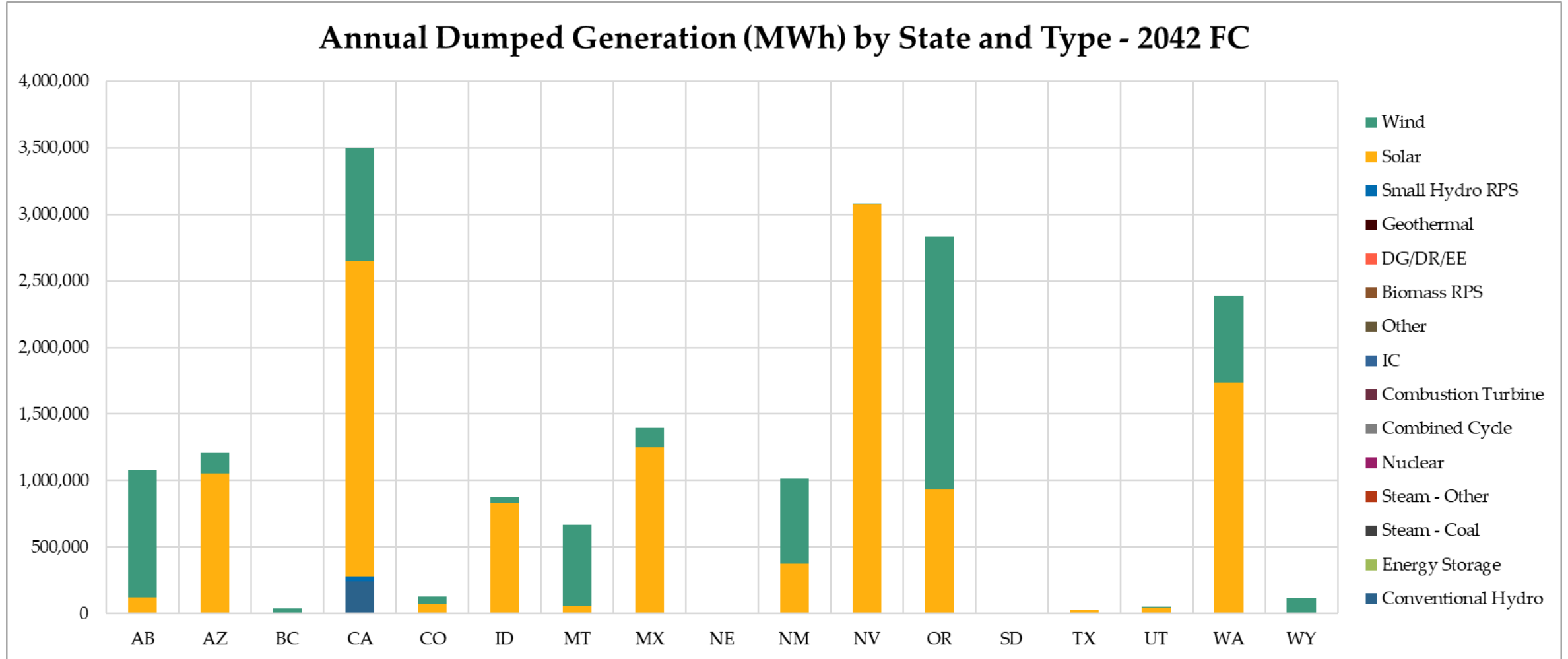
2032

Total 10,202,885 MWh of Curtailment



2042FC

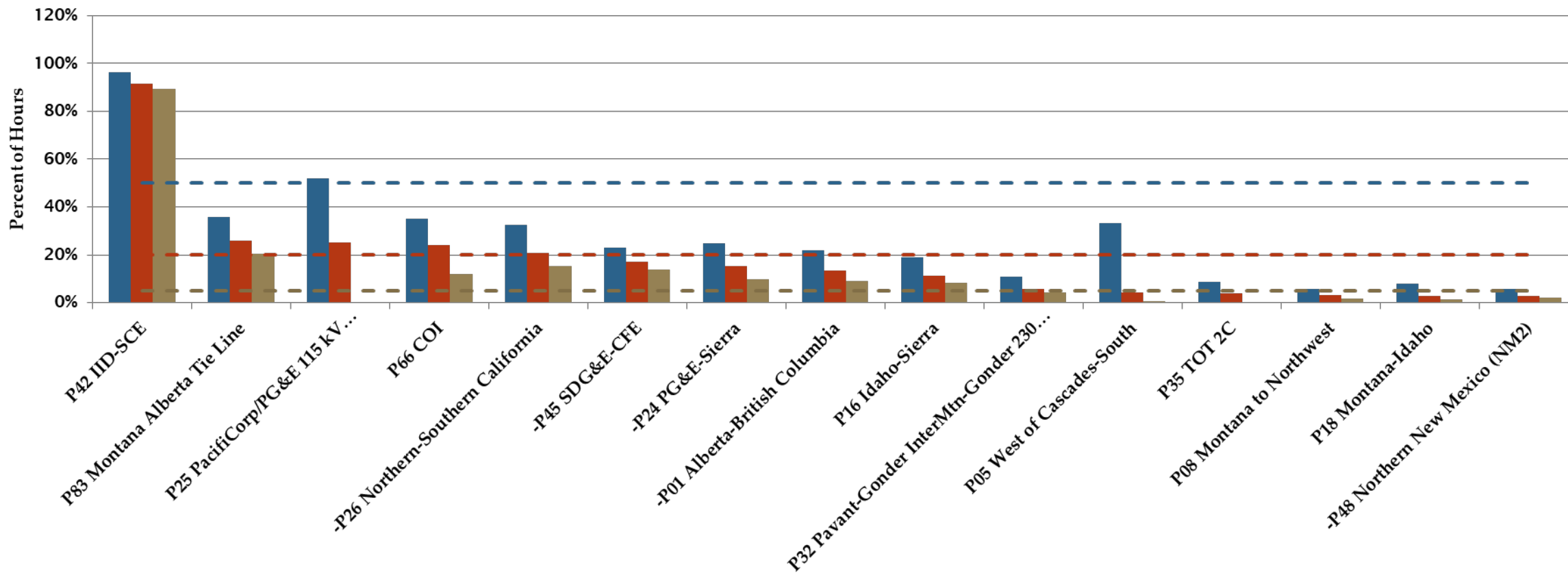
Total 18,415,737 MWh of Curtailment



2032

Most Heavily Utilized Paths - 2032 ADS v2.3.2

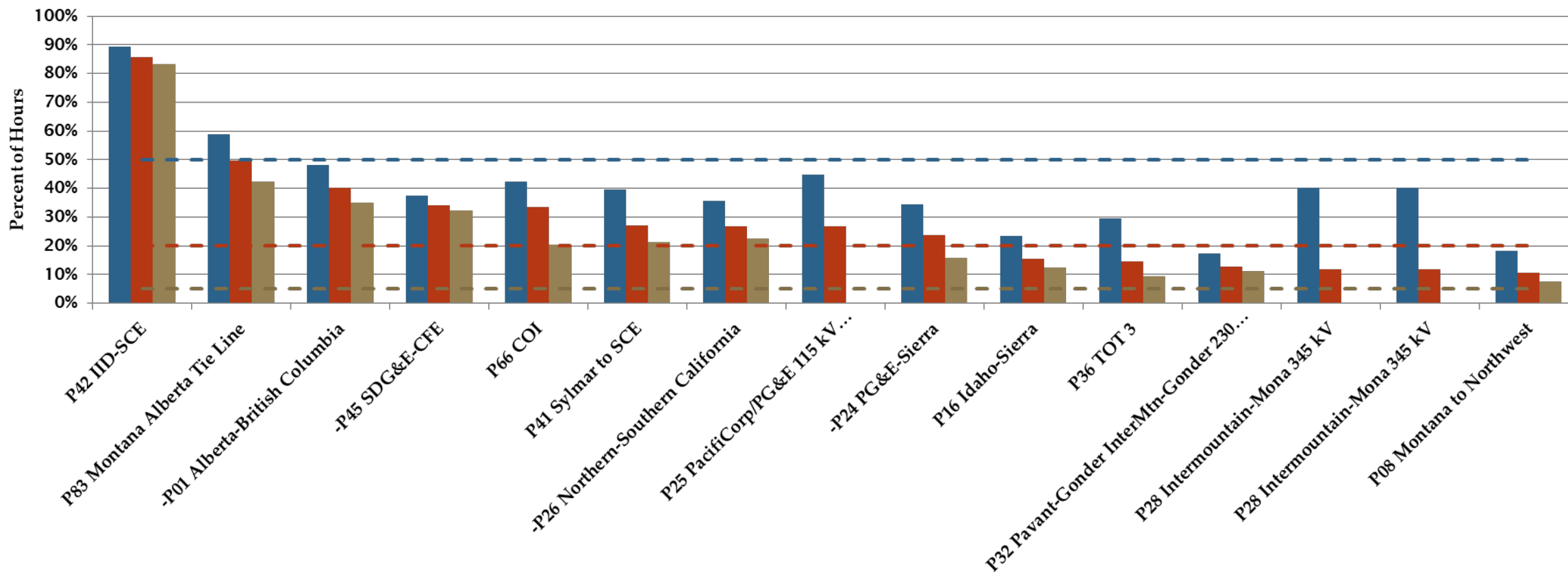
■ U75 ■ U90 ■ U99



2042

Most Heavily Utilized Paths - 2042 FC

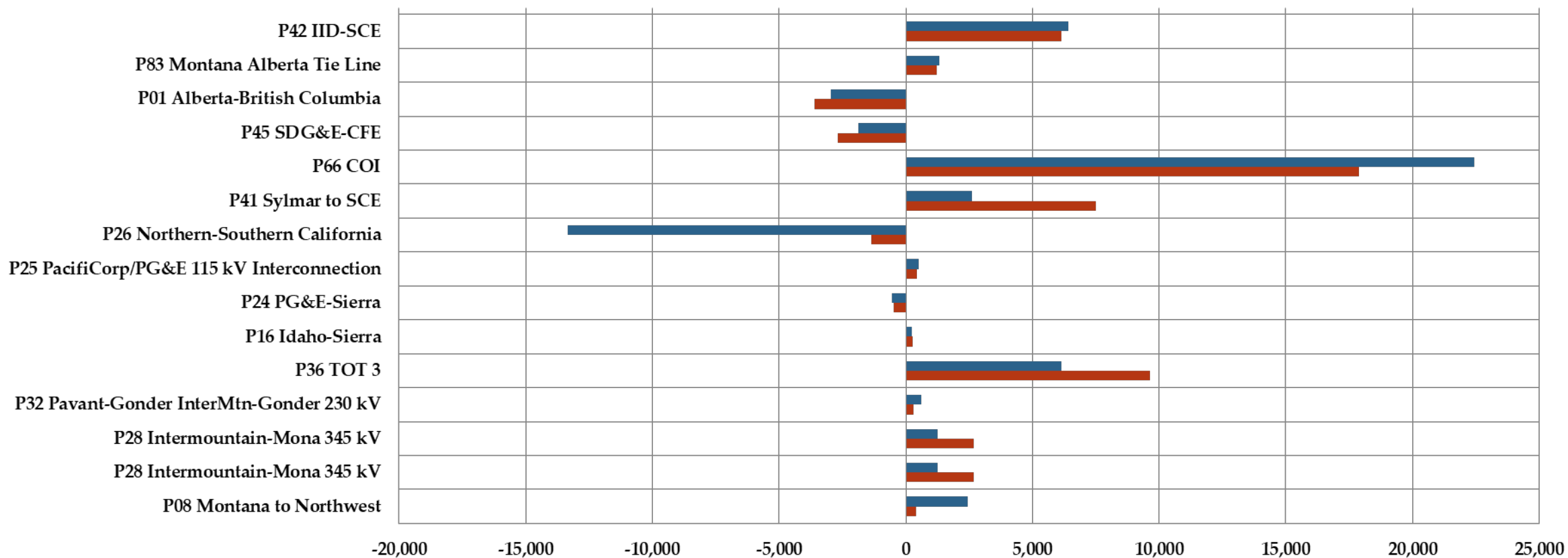
■ U75 ■ U90 ■ U99



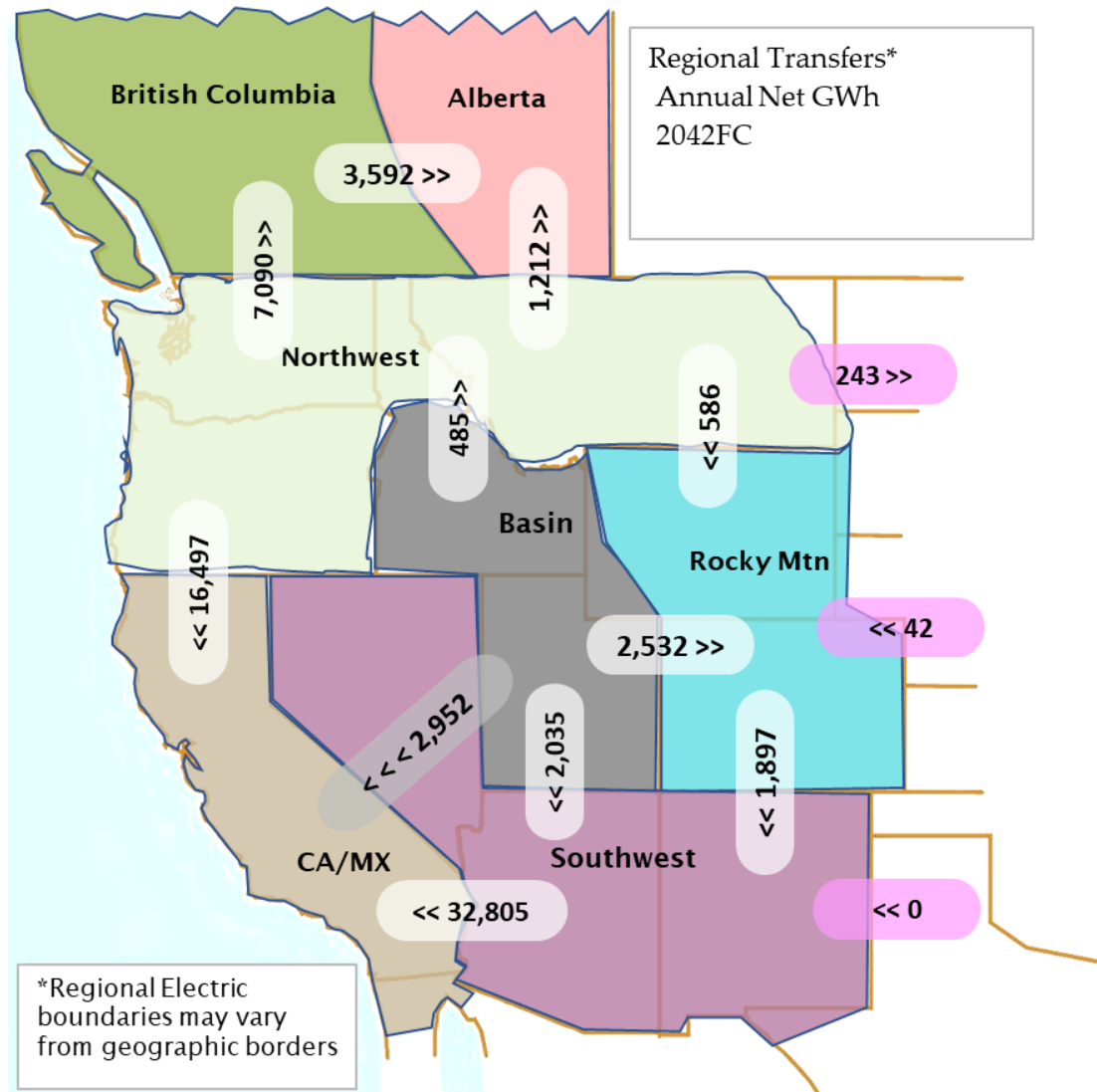
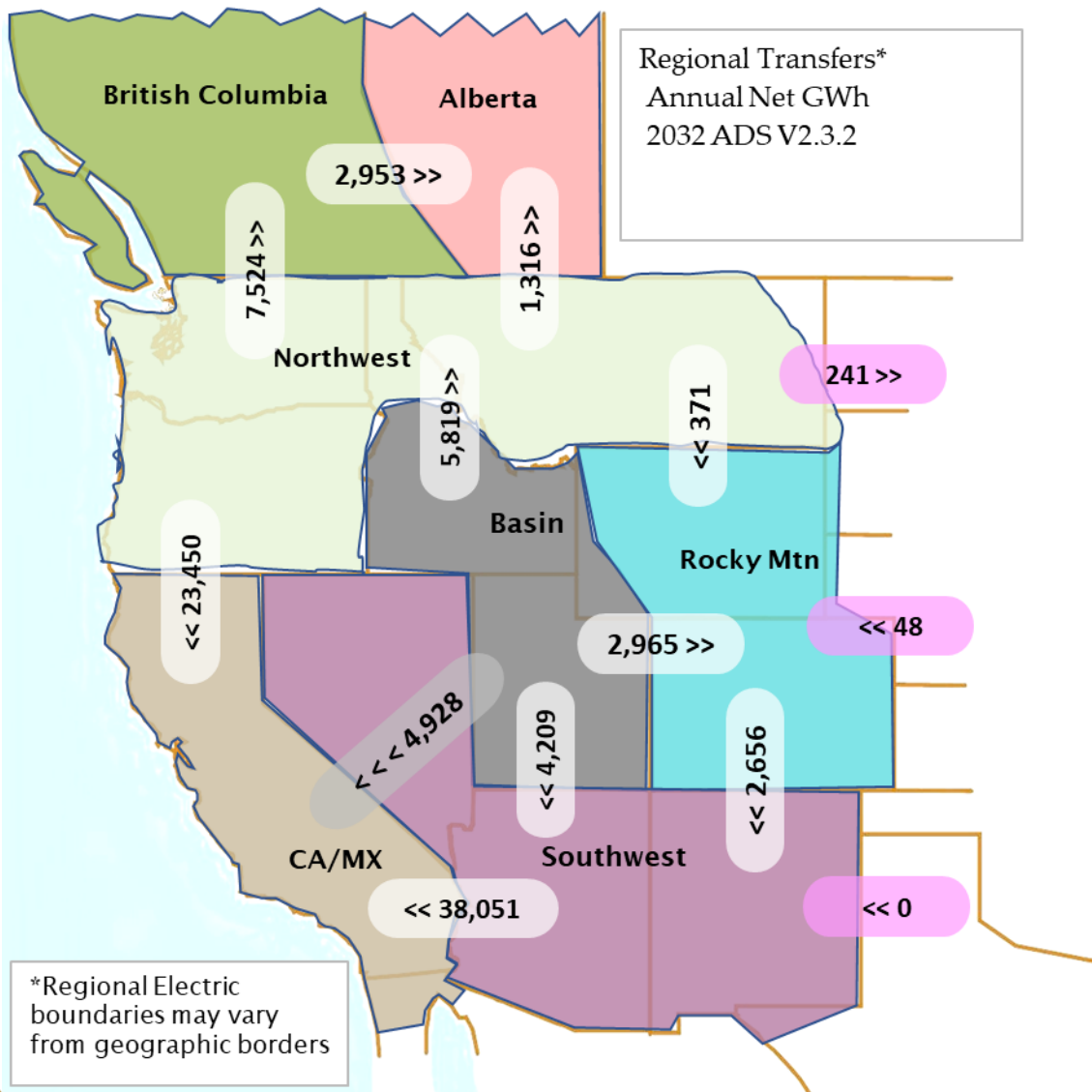
Difference

Net Annual Flow (GWh) - 2032 ADS v2.3.2 vs 2042 FC

■ 2032 ADS v2.3.2 ■ 2042 FC



Annual Net Flows





Electric Reliability and Security for the West

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