

Heavy Summer South to North COI (Path 66) Case

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Case Description

- California Renewables High and flowing to NorthWest
- Summer case helps us see the system at its most limited facility ratings
- High summer loading

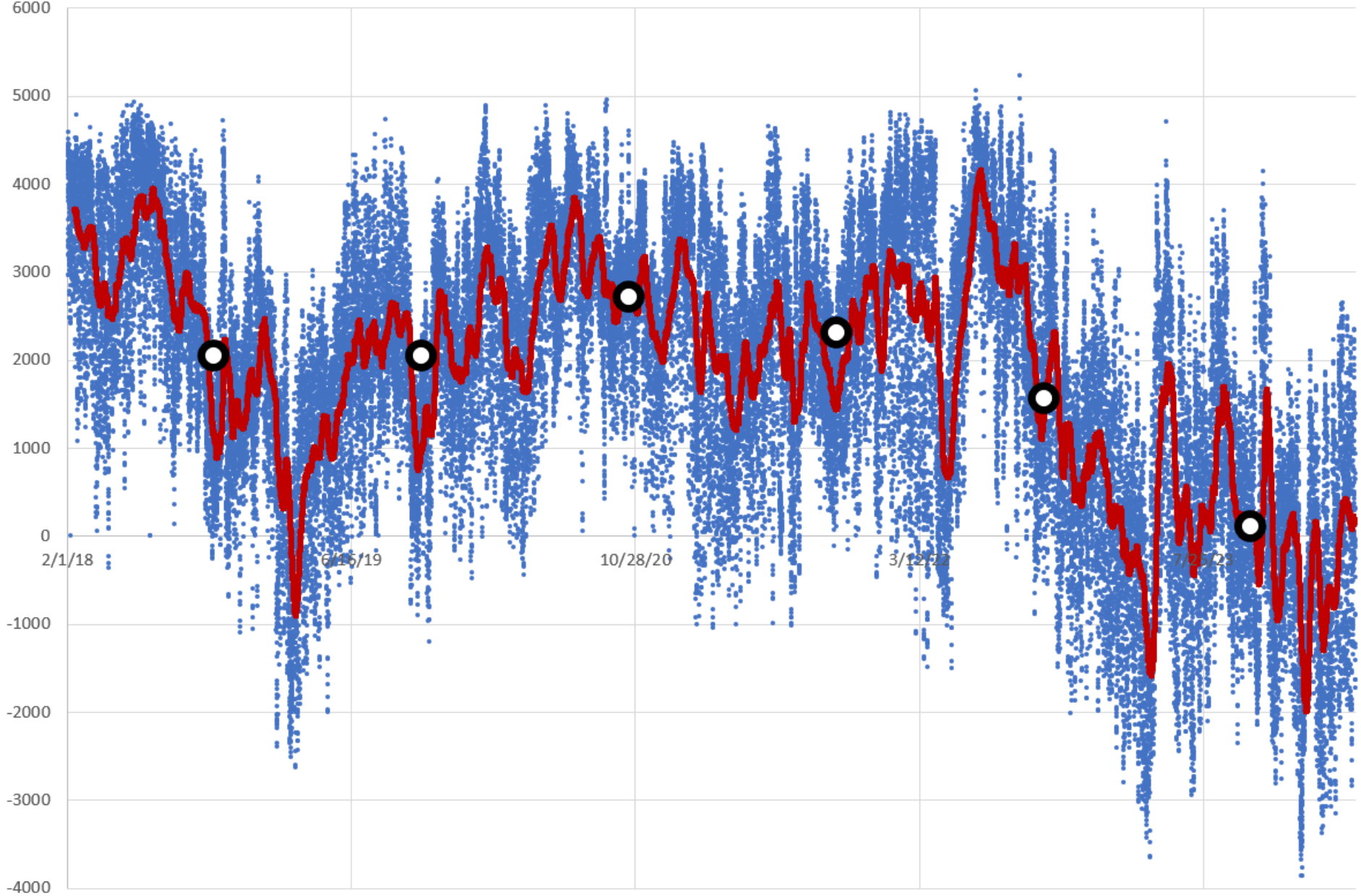


Operational Note

- Gen dispatch in real time is driven first by economics, utilizing available TTC
- Dispatch decisions are increasingly managed interconnection-wide
- Reliability tools are often reactionary to economics driven decisions



NWACI (February 2018-April 2024)

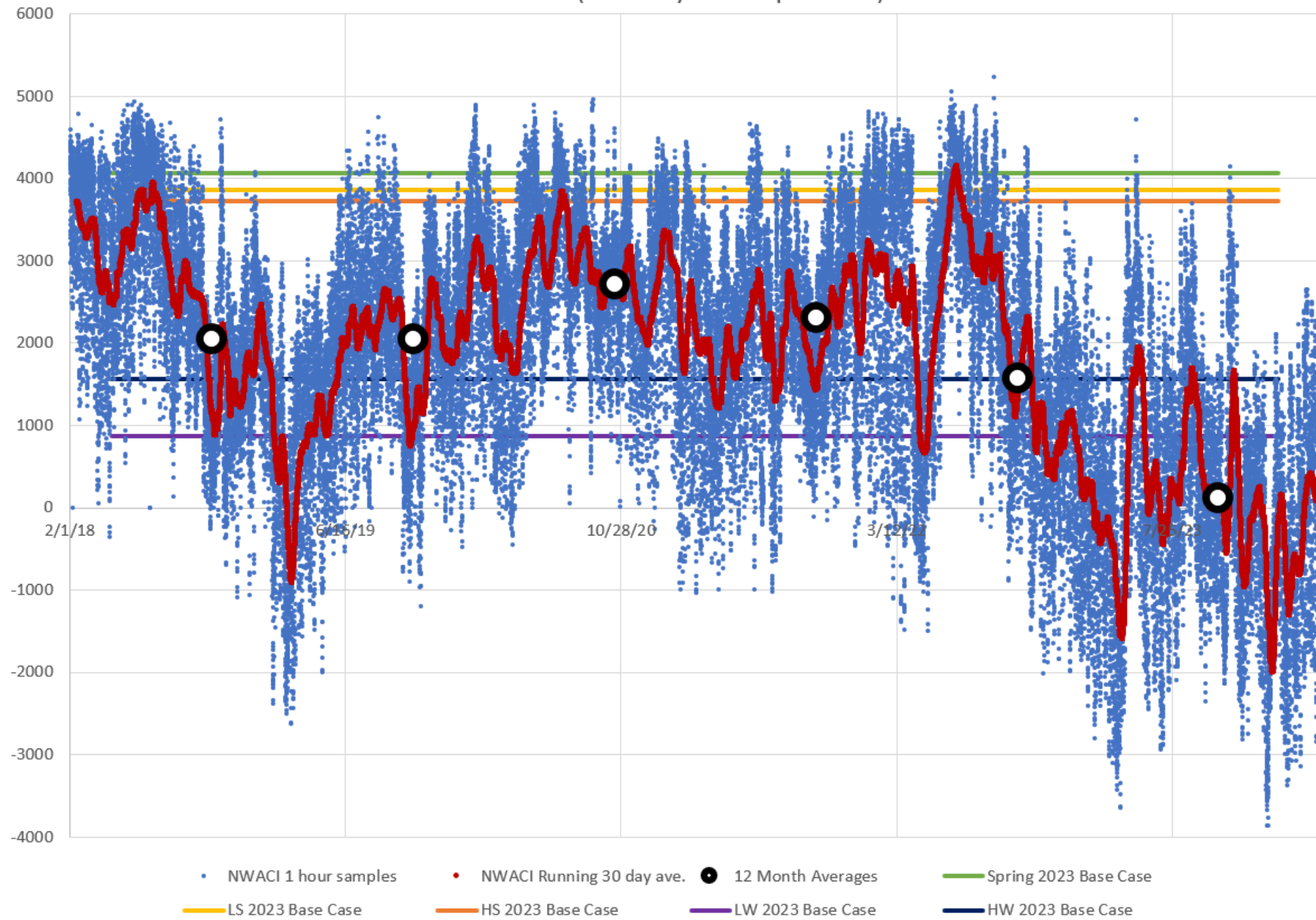


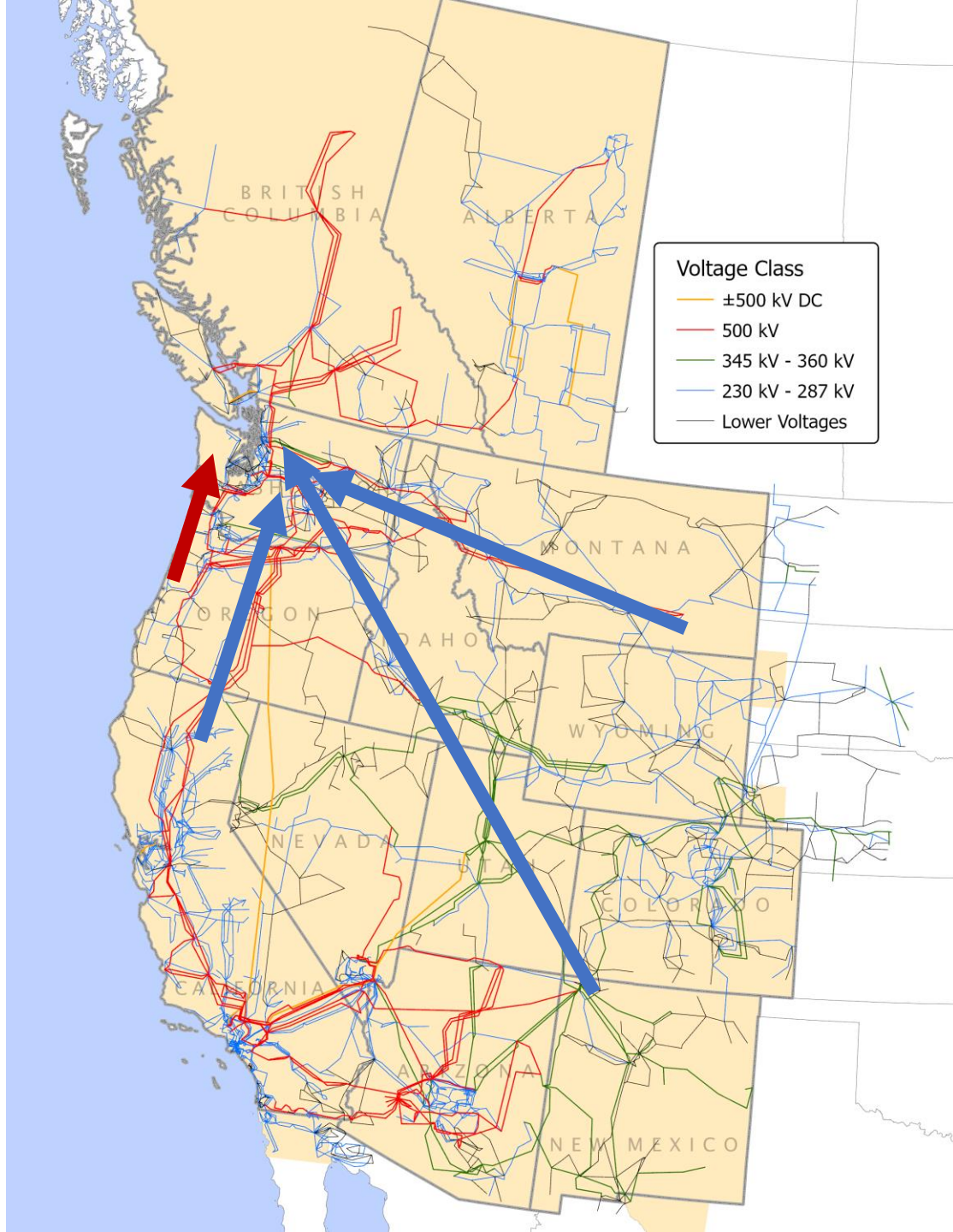
NWACI Annual Average	
2018	2,046
2019	2,045
2020	2,711
2021	2,307
2022	1,567
2023	111

• NWACI 1 hour samples • NWACI Running 30 day ave. ● 12 Month Averages

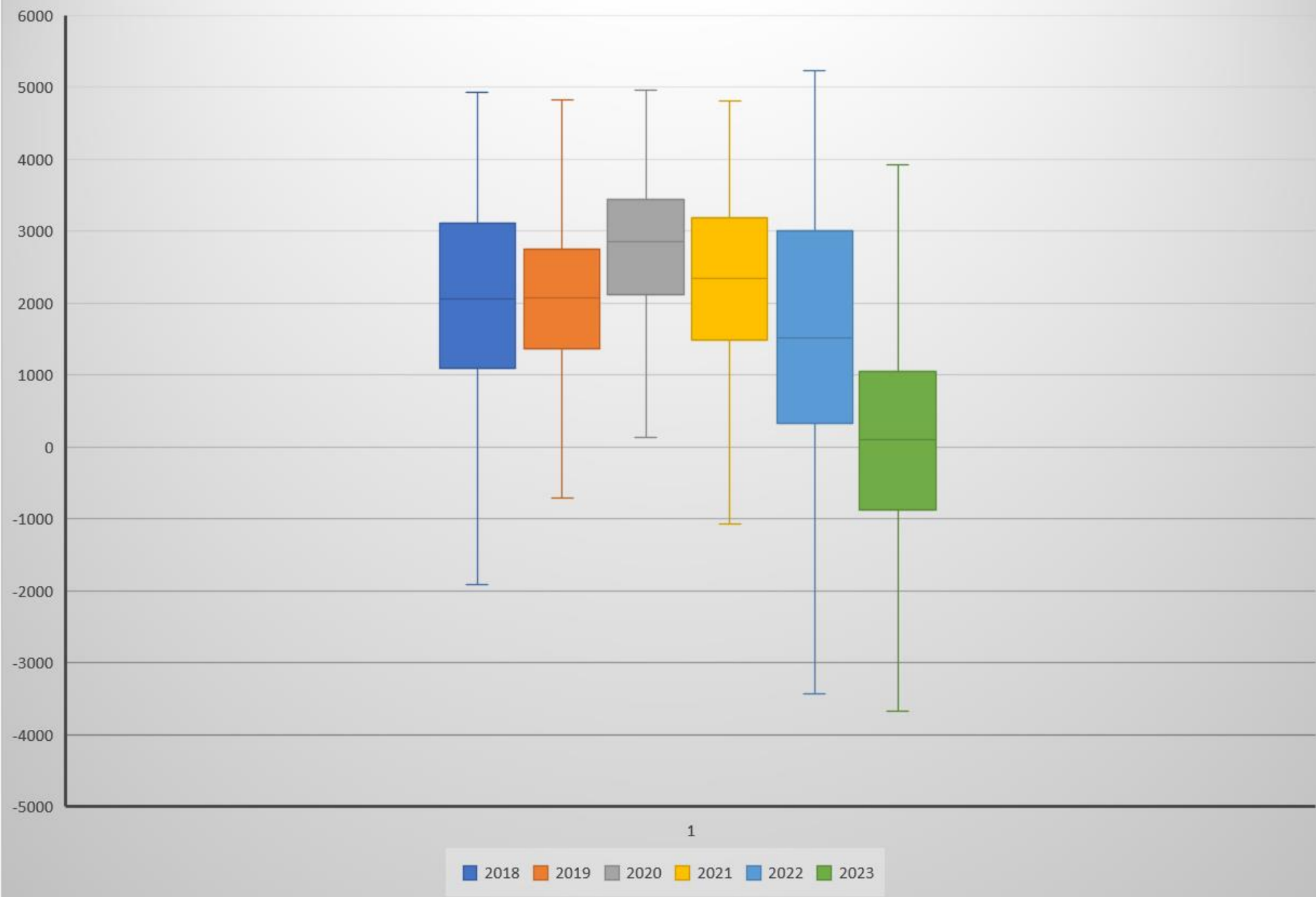


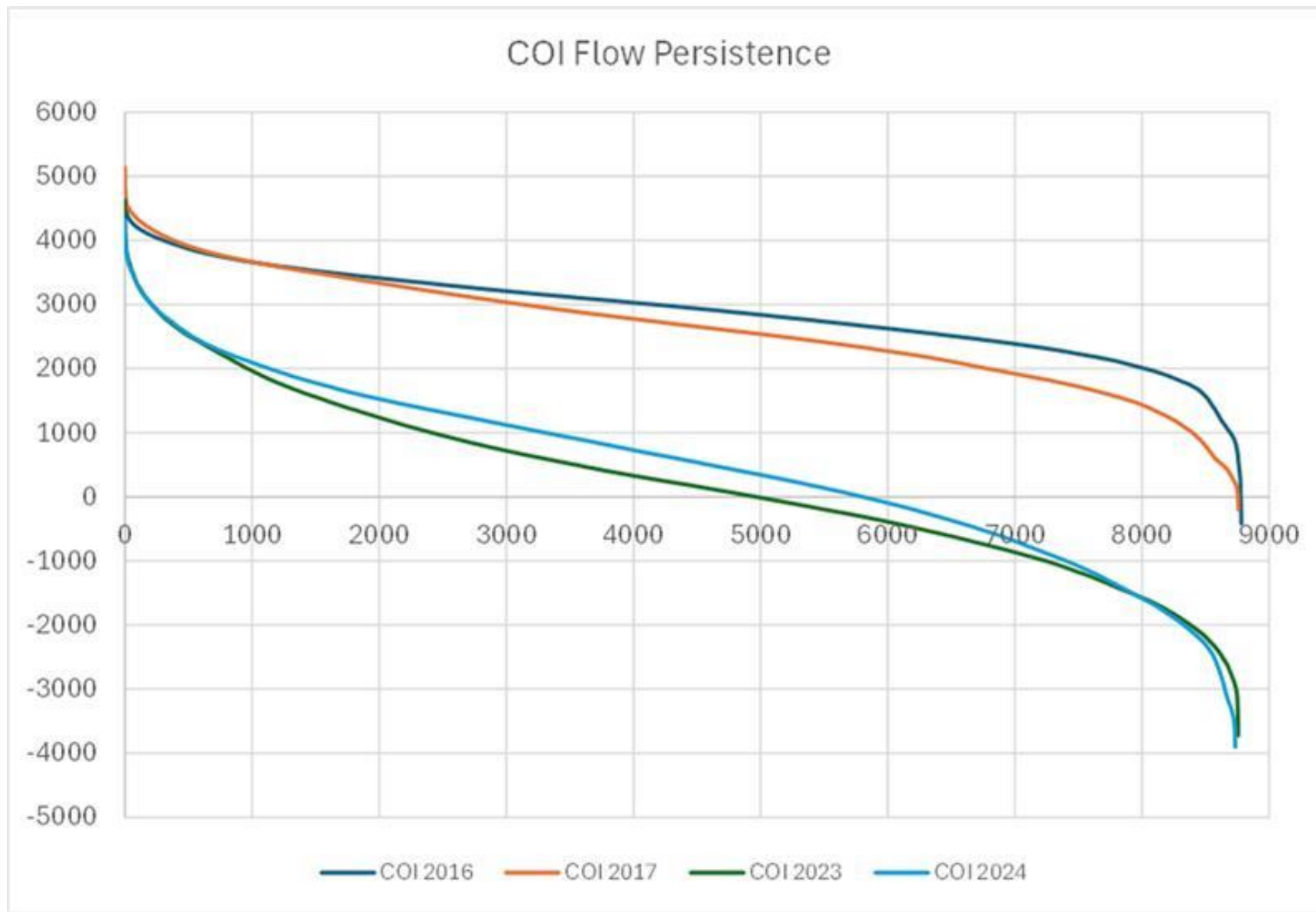
NWACI (February 2018-April 2024)





NWACI Flow by Year





Impact of Seasonal Cases

- Cases do not match all operating conditions
- **Adjusting an existing case by 10,000+ MW is problematic**
 - There are many ways to accomplish the change
 - Load
 - Gen
 - “Schedules”
 - Phase Shifting
 - Someone studying one area is focused on that area only, and we can miss the impacts of simultaneous flows on multiple paths
- **Seasonal Studies set TTC's, and TTC's and economics drive real time dispatch**



Case Description

- **2027 Heavy Summer Case**
- **Create Heavy COI (Path 66) Northbound Summer Operations Base Case**
- **High “Southern California” and “Arizona/New Mexico/Southern Nevada” renewables**
- **Use recent historical data to guide case development**



Questions?

