

WECC SRS
Meeting
4/17/2025

Base Case Proposal



CHELAN COUNTY

2027 Light Autumn - 27LA

WECC Base Case Proposal

Purpose

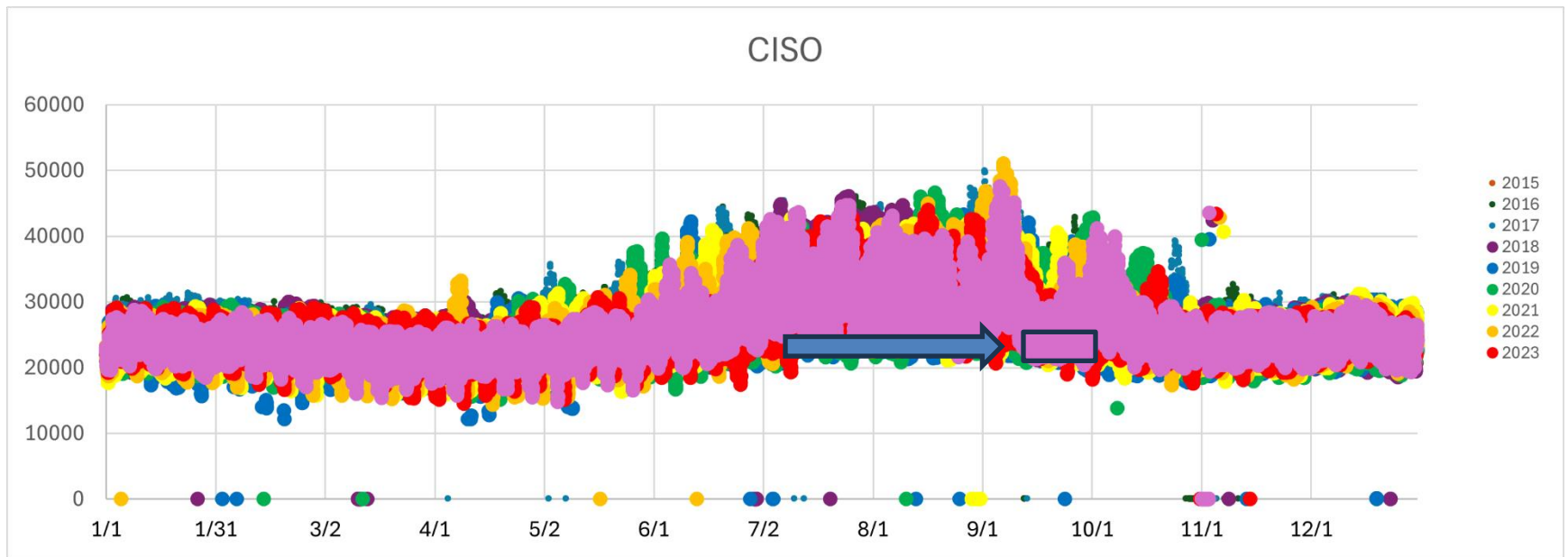
- Benefits
 - Long overdue
 - Last WECC Fall case was built in the 2016 BCCS for a 2018 LA scenario!
 - Studies S->N California flows
 - FERC 881 ratings studies
 - Similar scenario occurred 9/24/2023 @ 1200 MDT

Purpose (cont.)

- 2027 Light Autumn
 - Minimum Daytime Loads
 - Low spinning reserves/system inertia in the BC, NW, and Northern CA areas (Hydro = Light)
 - Interchanges
 - Light NW interarea transfers (NW->BC, ID->NW, MT->NW)
 - Except moderate-to-heavy flows from CA->NW
 - High Voltages Check
 - Lightly loaded paths and light daytime loads can contribute to higher NW voltages

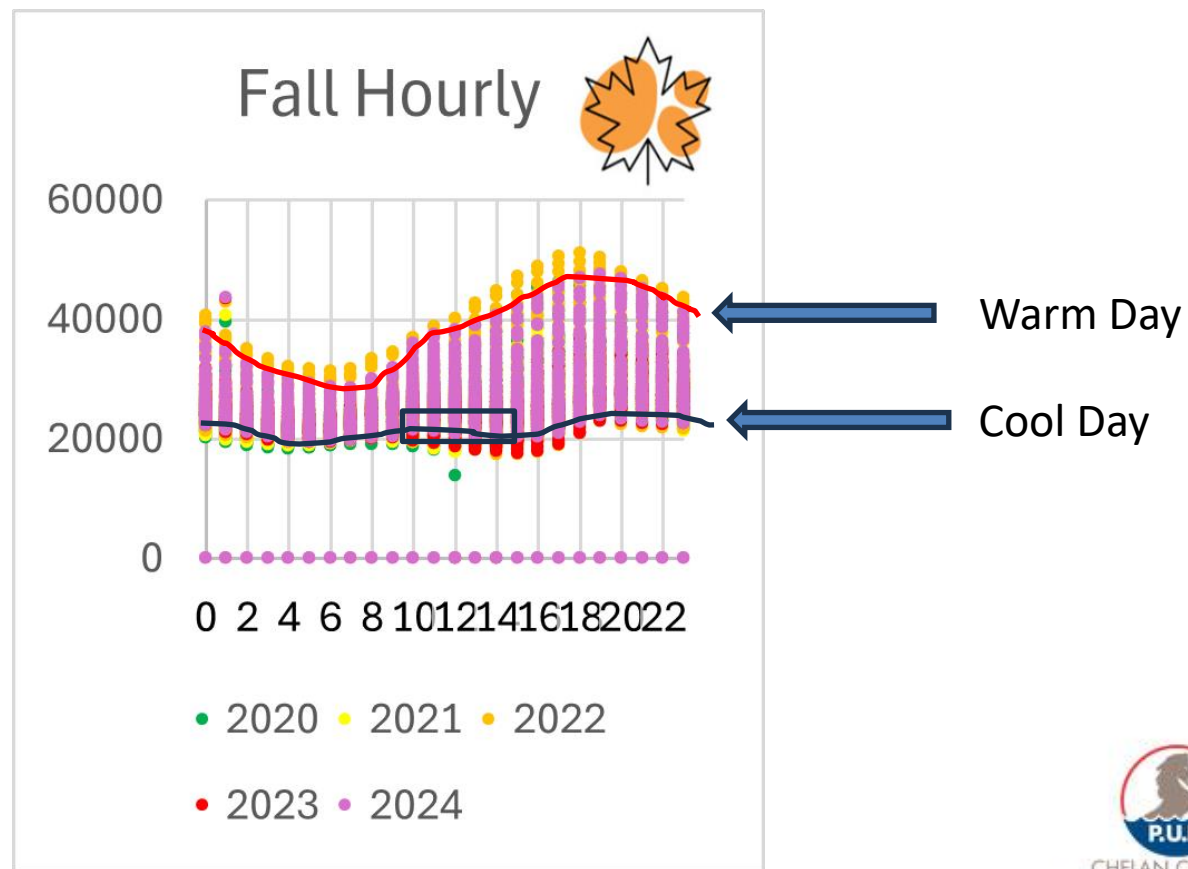
Loads

Minimum Daytime Loads on a “cooler” CA day
(1100-1300 Mountain Time)



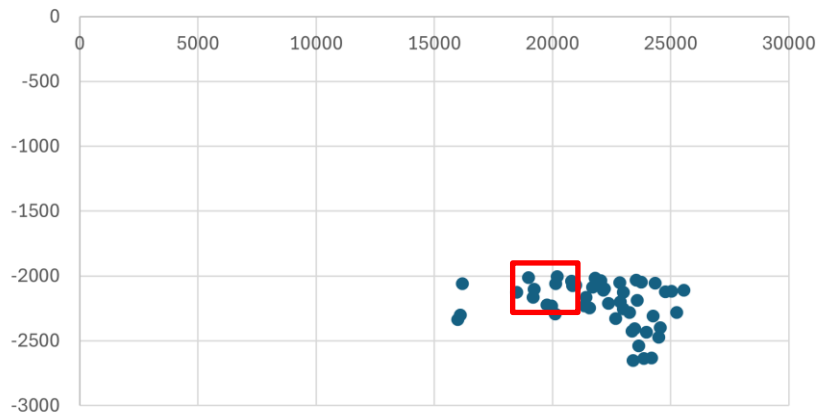
Loads

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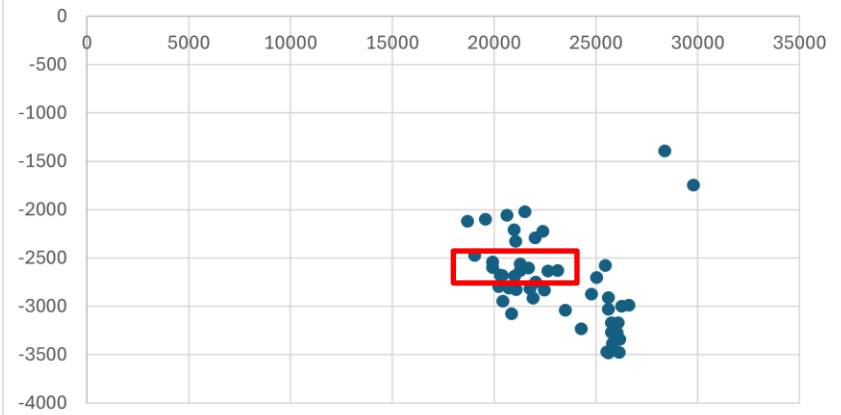


Interchanges

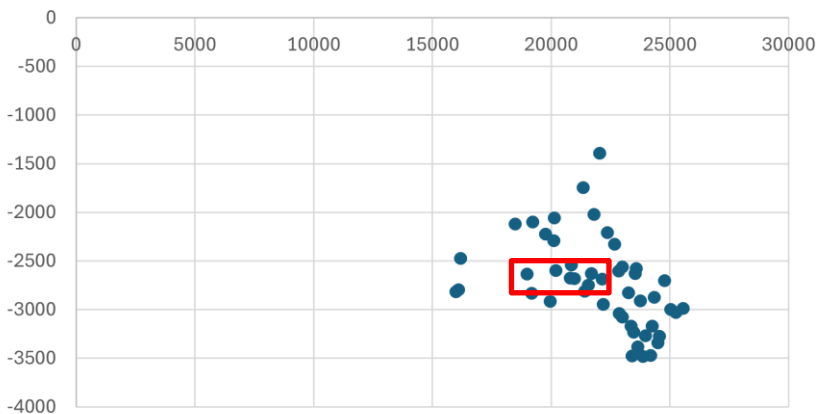
2023 Fall A40 Load vs COI



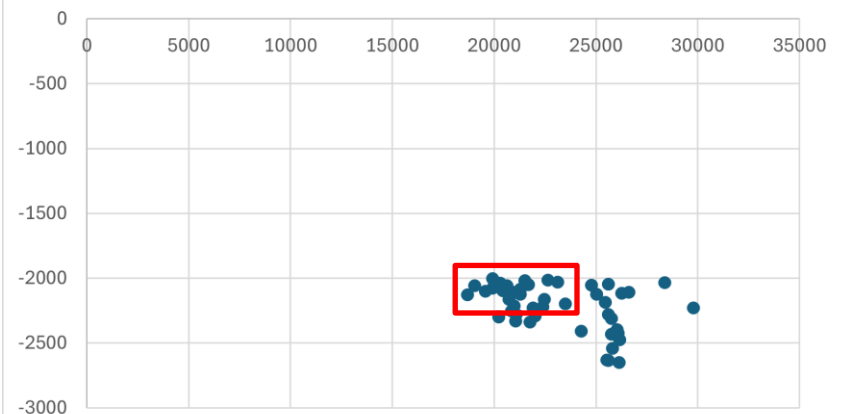
2023 Fall CISO Load vs PDCI



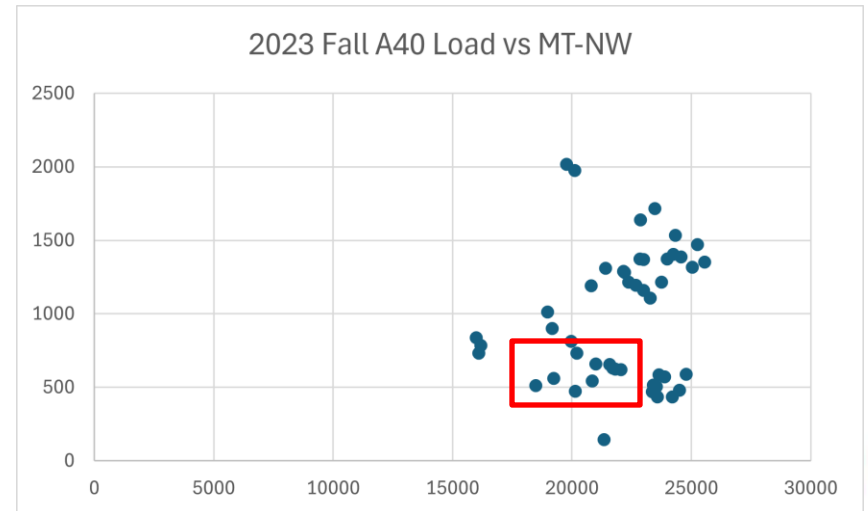
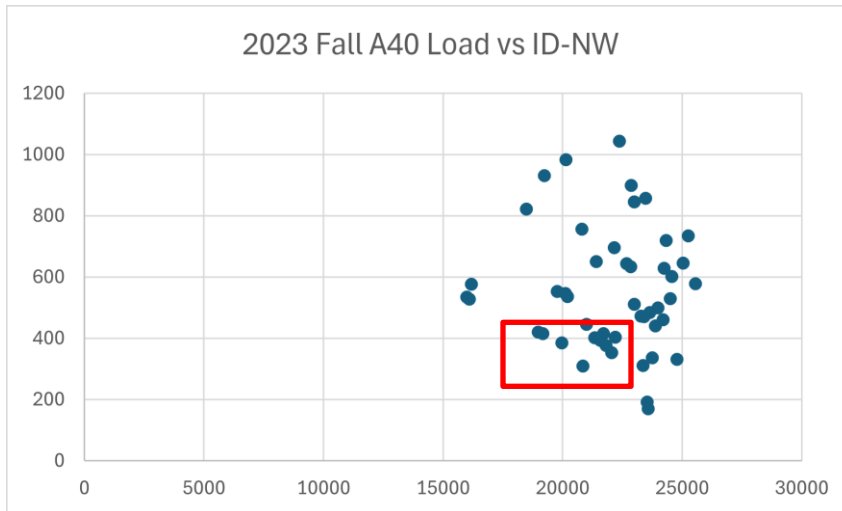
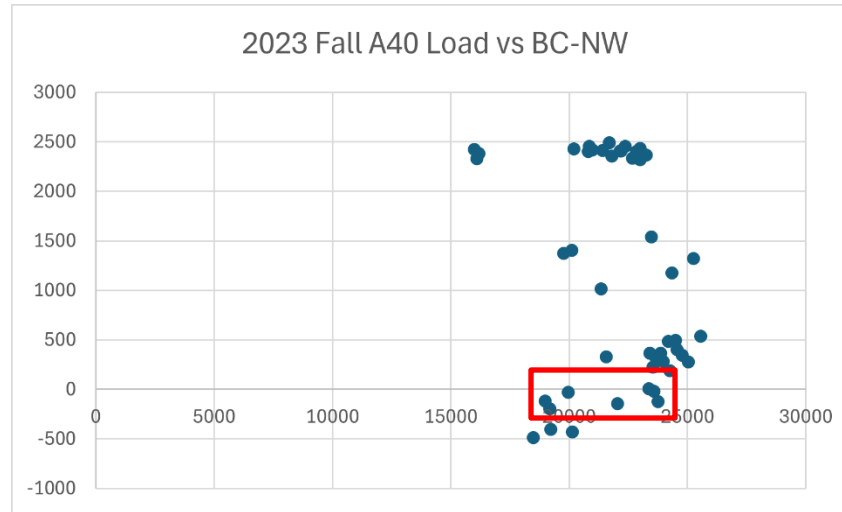
2023 Fall A40 Load vs PDCI



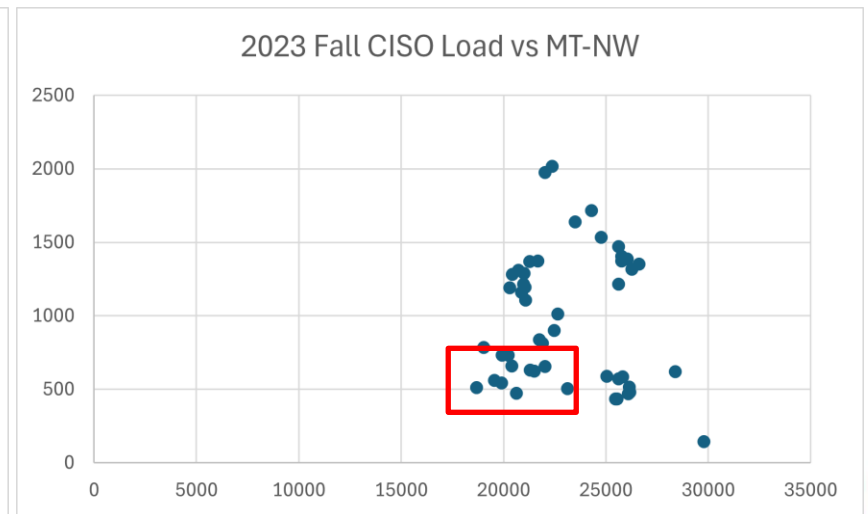
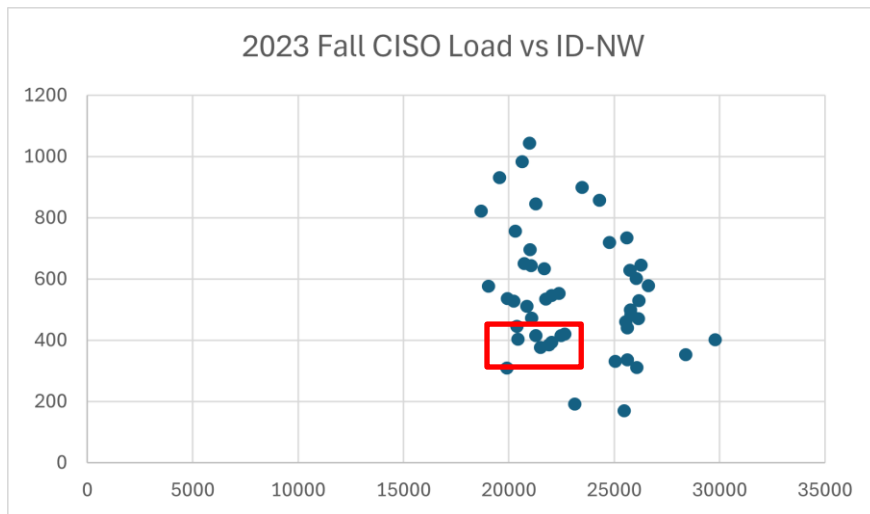
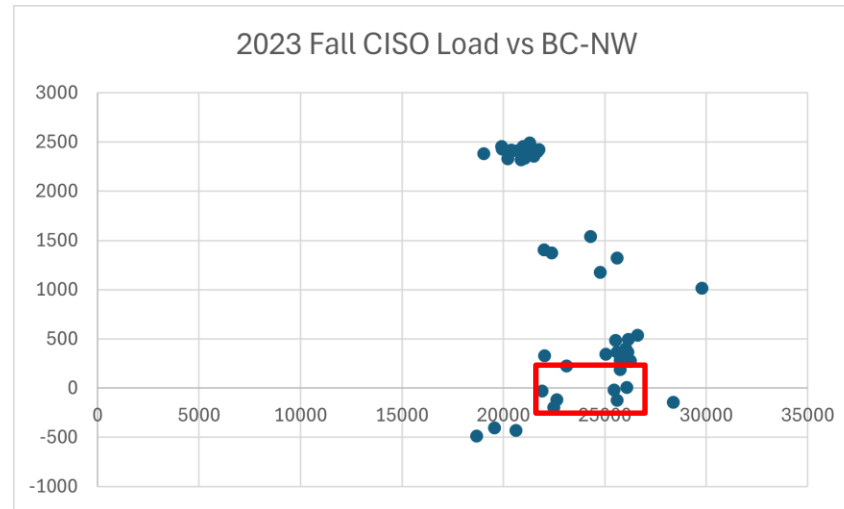
2023 Fall CISO Load vs COI



Interchanges



Interchanges



Feedback/updates

INTERCHANGE	CONDITION	TARGET	% RATING
Northwest to British Columbia (Path 3)	LIGHT	0	0
Northwest to California/Nevada COI (Path 66)			~54% (Path catalog 3675), 100% (Summer 2025 SOL)
PDCI (Path 65)	S->N, MODERATE	-2000	
	S->N, HEAVY	-2500 <u>2200</u>	~ 81 <u>70</u> %
Midway – Los Banos S-N (Path 15)	—	--	—
Idaho to Northwest (Path 14)	E->W, LIGHT	350	~15% (pre-B2H)
Montana to Northwest (Path 8)	E->W, LIGHT	500	~23%
Utah/Colorado to Southwest (Path 31, 35, 78)	—	—	—
Southwest to Calif. (EOR Path 49/WOR Path 46)	—	--/--	--/--
Intermountain to Adelanto DC (Path 27)	—	—	—

Thank you!