



Anchor Data Set 2032 ADS

Dispatch Results _ Iteration 3

July 20, 2022

Jamie Austin, Chair

Updates – Jon Jensen

- Hydro
- Loads
- Resources

Hydro Validation

- Jin used data from 2032 ADS – “Genlistto” that identify the BPA hydro units.

Issue:

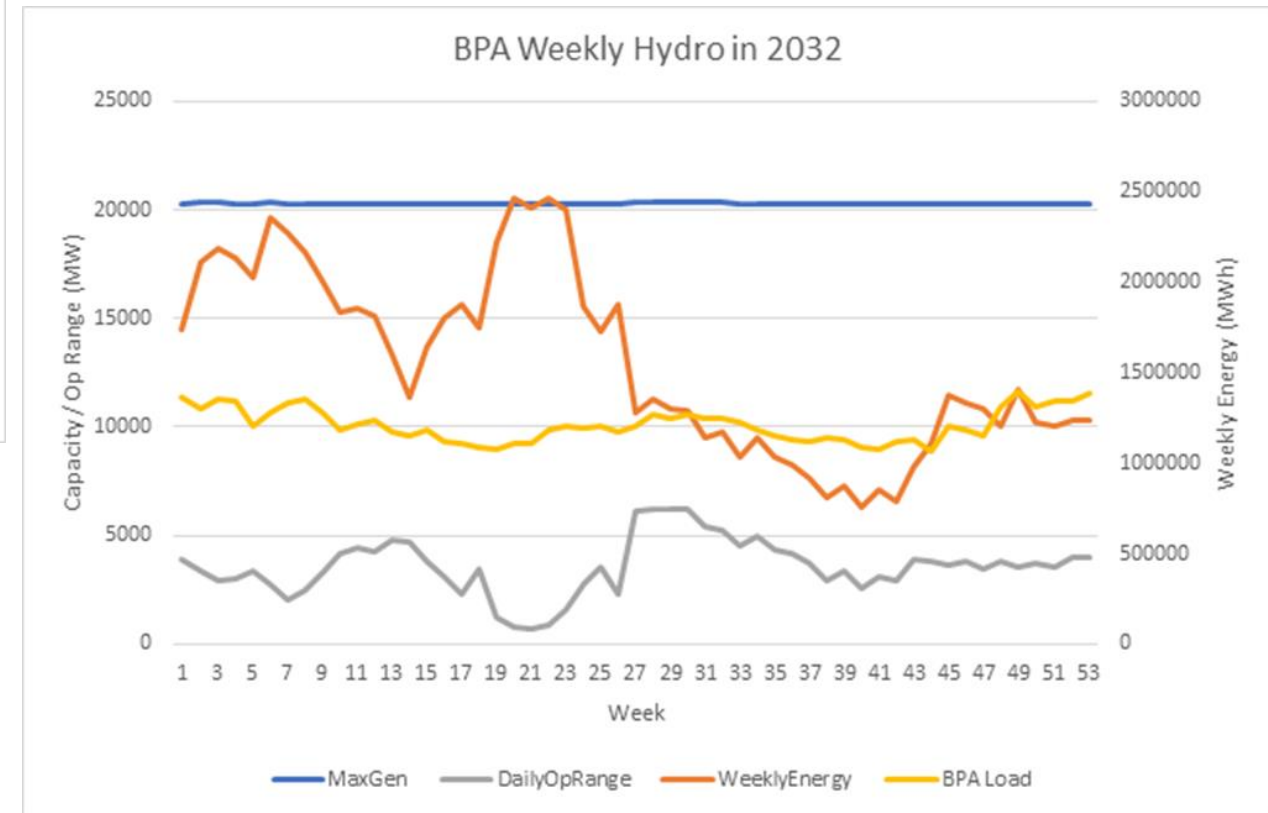
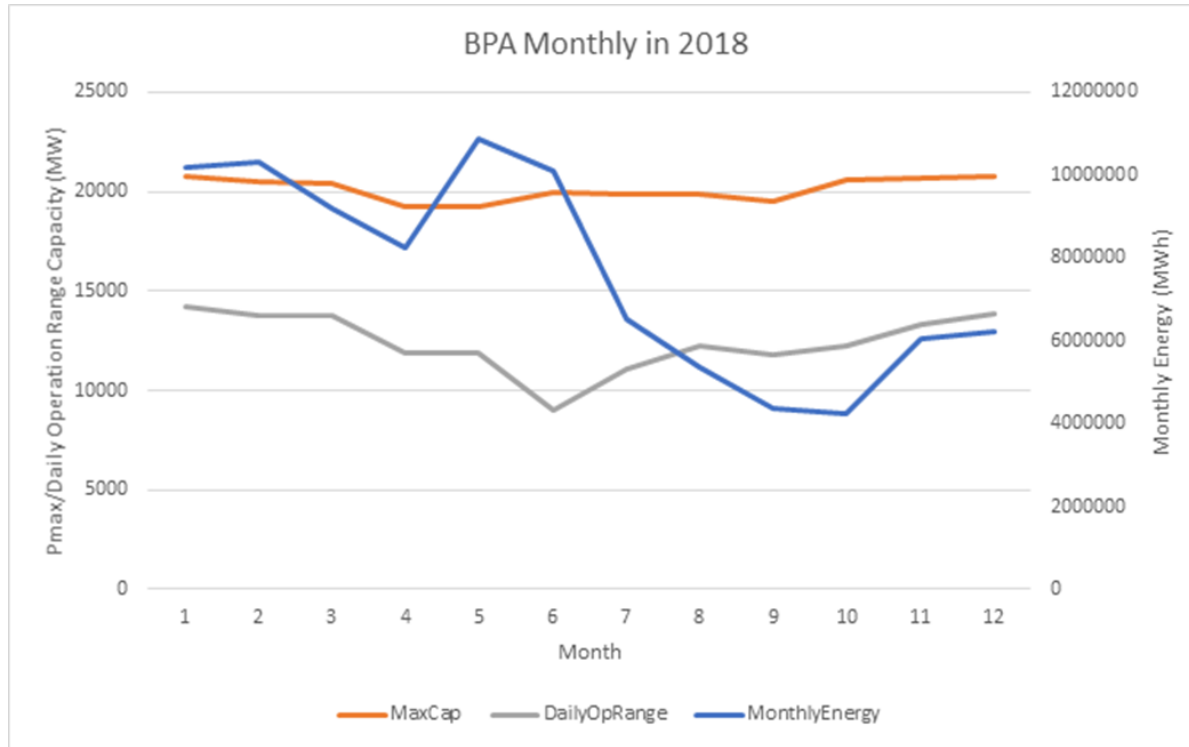
- Maybe have missed some of BPA units.

- Weekly Hydro energy does match somewhat with Weekly hydro energy.
- Daily Operation Range was significantly reduced when we change to weekly.

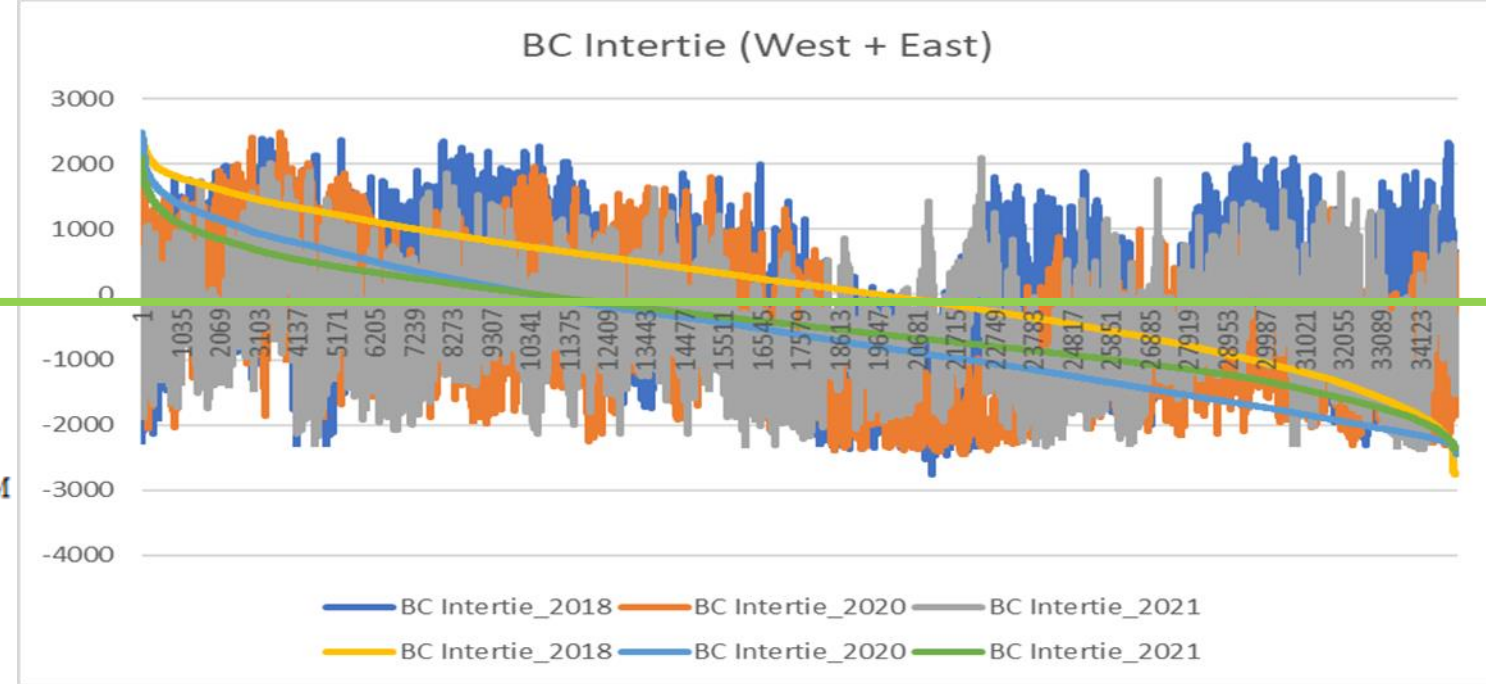
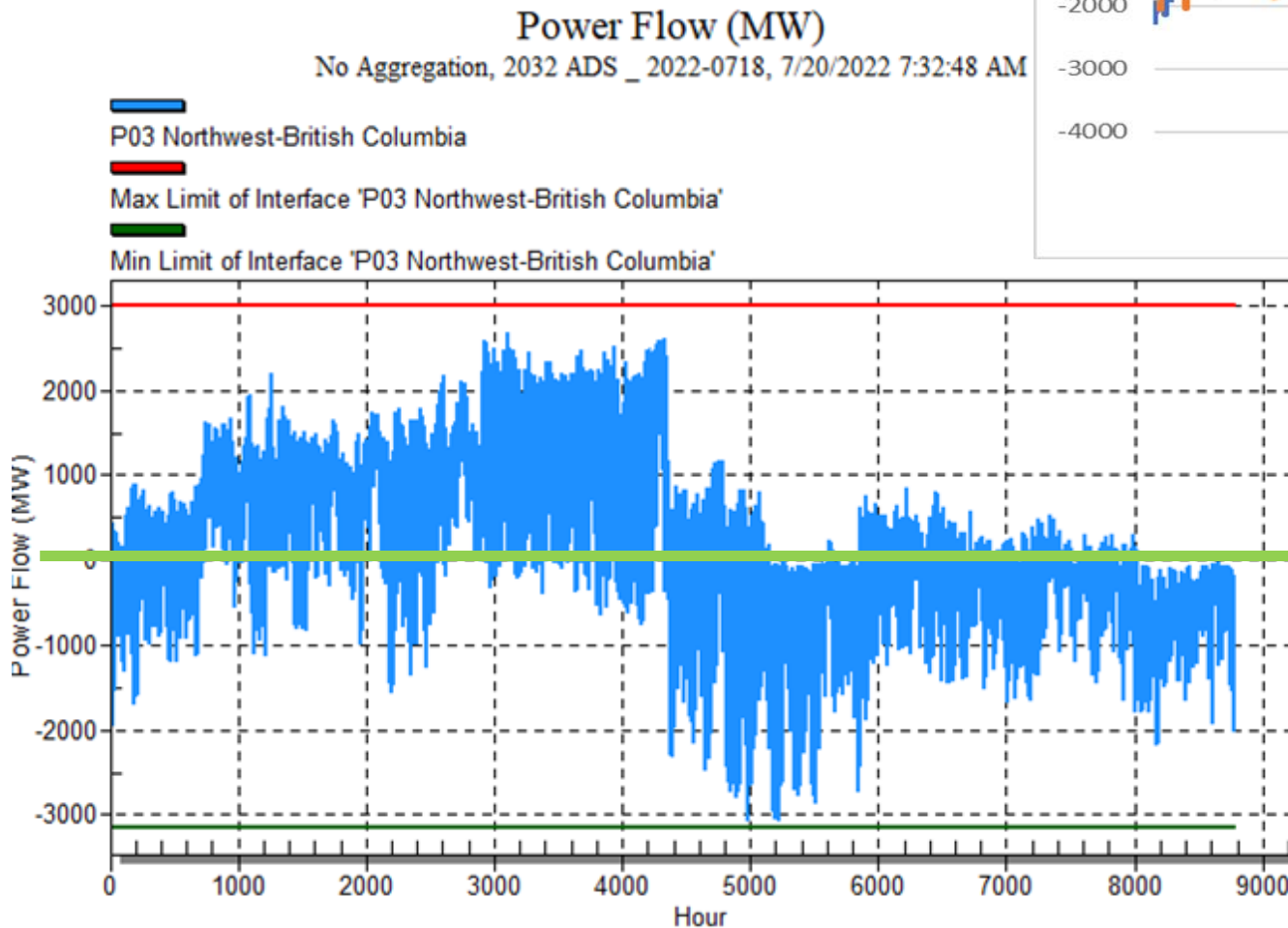
Issue: Daily operation range:

- Monthly – Daily Operating Range is 3 times higher than Weekly – Daily operation range.
- 14,000 MW versus 4,000 MW in January

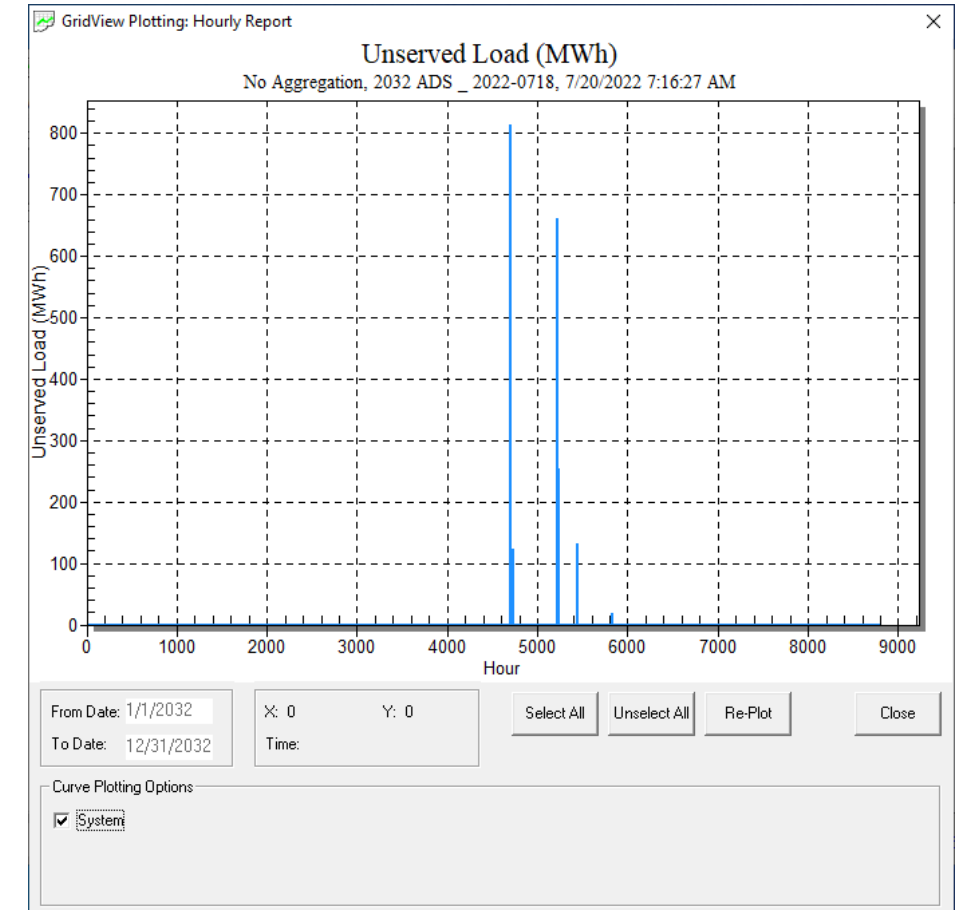
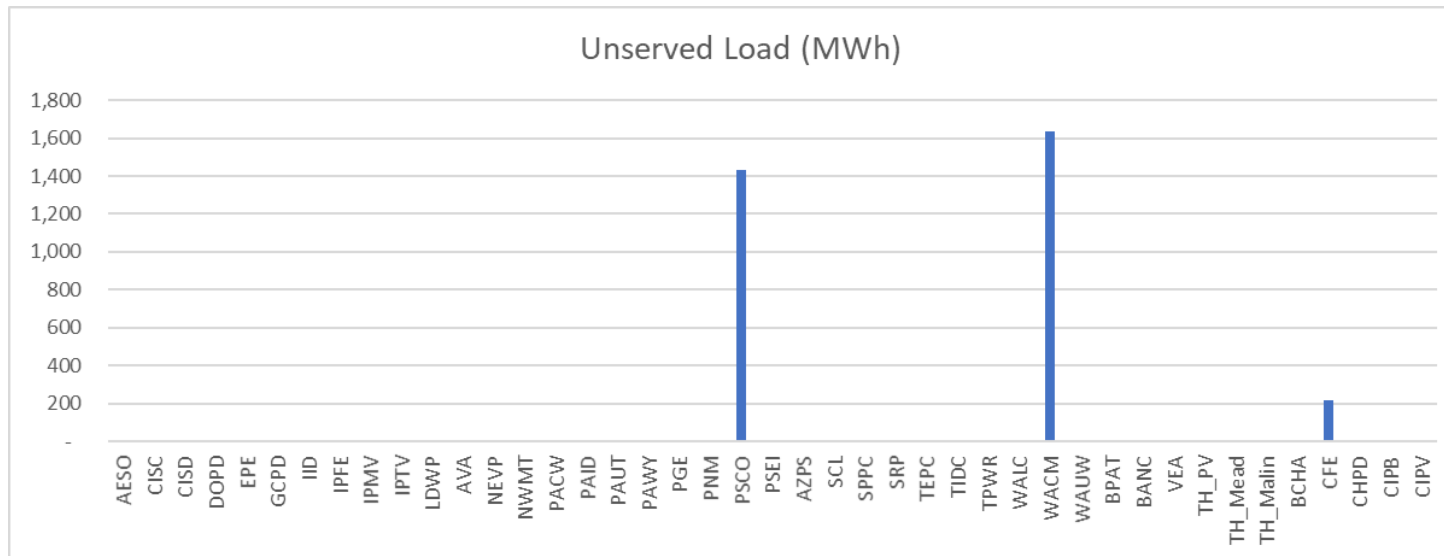
Hydro



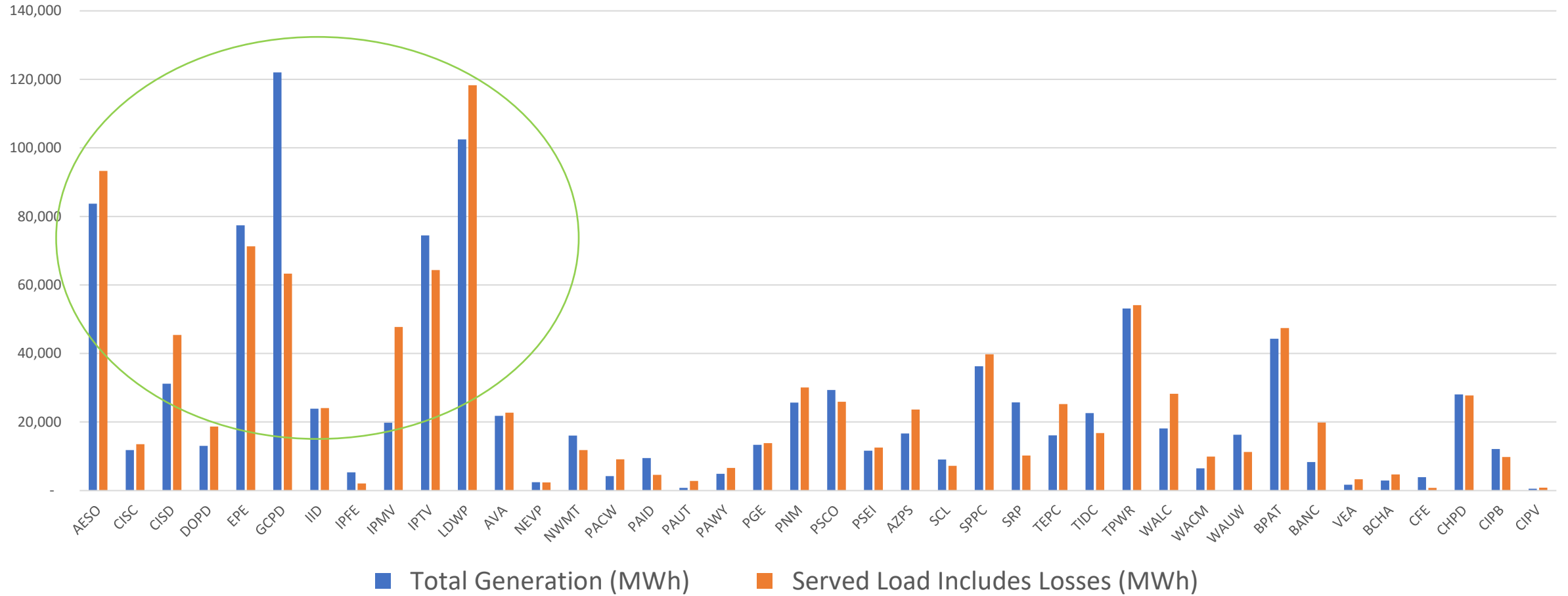
NW-BC Intertie



Load Validation

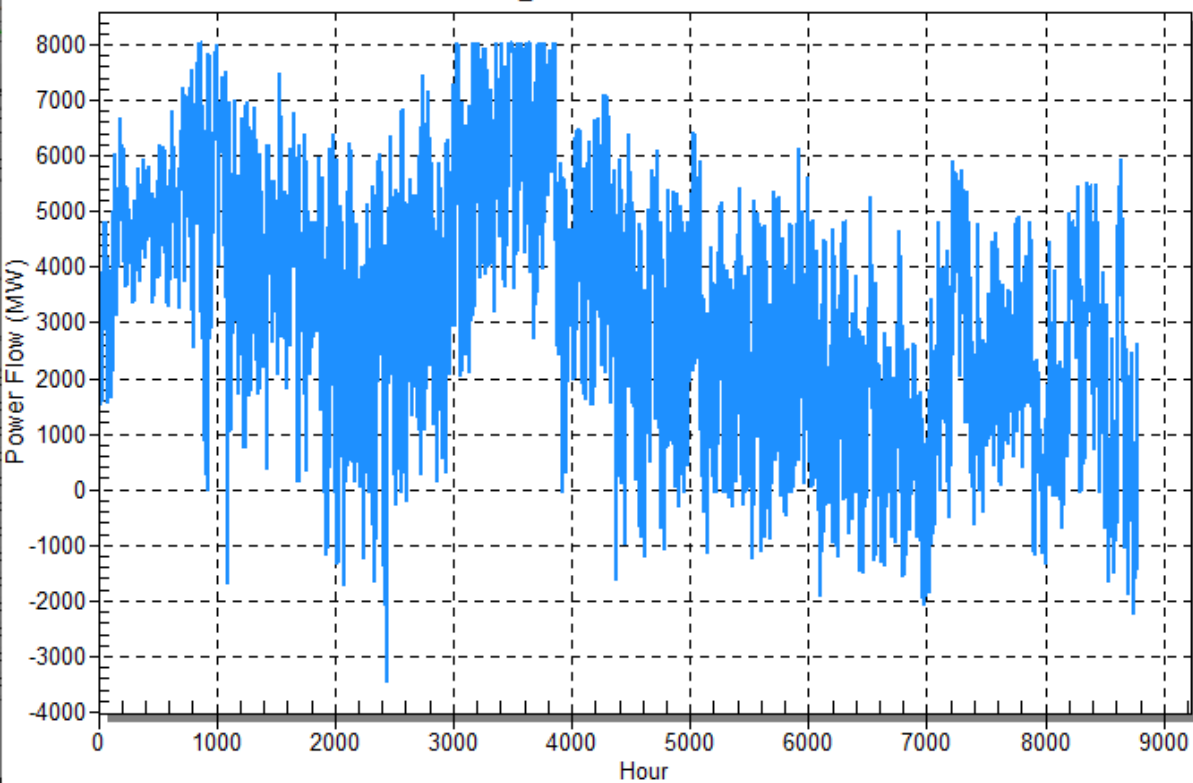


Area Gen vs. Load+Losses (GWh)



Power Flow (MW)

Sum, 2032 ADS _ 2022-0718, 7/20/2022 7:40:39 AM



From Date: 1/1/2032

X: 0

Y: 0

Select All

Unselect All

Re-Plot

Close

To Date: 12/31/2032

Time:

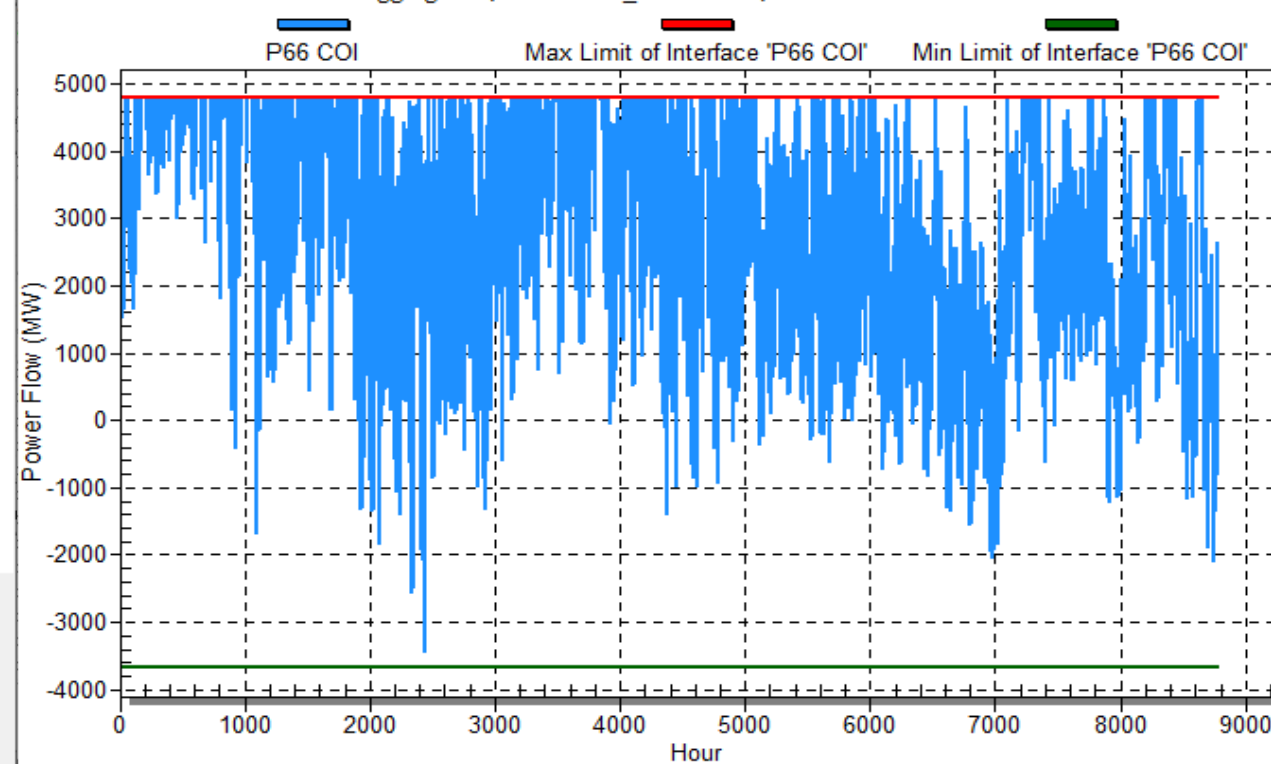
Curve Plotting Options

- ☐ Sum of Interface 'P66'
- ☒ Pacific DC Inter tie
- ☐ (B66 COI) and (B66 COI)

PACI + PDCI

Power Flow (MW)

No Aggregation, 2032 ADS _ 2022-0718, 7/20/2022 7:39:28 AM



From Date: 1/1/2032

X: 0

Y: 0

Select All

Unselect All

Re-Plot

Close

To Date: 12/31/2032

Time:

Curve Plotting Options

☒ P66 COI☒ Max Limit of Interface 'P66 COI'☒ Min Limit of Interface 'P66 COI'

COI

Paths

Total Congestion Hours (Hr)

P83 Montana Alberta Tie Line	7239
P42 IID-SCE	7094
P27 Intermountain Power Project DC Line	2064
Pth ATC _PDCI DC pole balancing	1793
P01 Alberta-British Columbia	1783
P66 COI	947
P26 Northern-Southern California	905
P45 SDG&E-CFE	824
P76 Alturas Project	808
Pth BPA Net COB (NW AC Intertie)	610
P31 TOT 2A	589
P30 TOT 1A	513
P16 Idaho-Sierra	385
P18 Montana-Idaho	300
Pth ATC _IPP DC pole balancing	272
Pth BPA Northwest AC Intertie (NWACI)	264
P77 Crystal-Allen	247
P24 PG&E-Sierra	223
P75 Hemingway-Summer Lake	164
P32 Pavant-Gonder InterMtn-Gonder 230 kV	158
P08 Montana to Northwest	112
P48 Northern New Mexico (NM2)	91
P79 TOT 2B2	87
P36 TOT 3	85

Branches

Total Congestion Hours (Hr)

2032 ADS _ 2022-0718

30948_34817_1	5136
64095_64094_1	4601
50784_50822_2	3590
18073_189101_1	3263
19020_24017_1	2703
30879_30881_1	1861
72818_73009_1	1743
12181_12101_1	1716
47844_40584_1	1705
30470_30479_1	841
11014_11017_1	622
19012_189040_1	611
26043_65995_1	553
10292_10842_1	550
50830_54329_1	504
47844_47486_1	470
25406_24806_1	424
45337_45335_1	423
64025_64023_1	394
45162_45075_1	331
60150_60095_1	320
54232_50776_1	302
21690_21699_1	291
26041_64056_1	284
73192_70311_1	267
61850_60831_1	231
18002_18001_1	192
70260_70291_1	189
26043_65995_2	168
45087_31468_1	168
26061_26094_1	145
30280_30330_1	138
64017_64018_1	138
60821_61810_1	137
64053_64048_1	137
24728_24730_1	114



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