



PCDS Meeting

December 4, 2024

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Senior Engineer
WECC

ADS Items

- PNNL Hydro
 - Received this morning
- Received new SunZia shapes
- BC Hydro daily operating range
- CO2 cost updated - final version of IEPR
- Towner Wind, Cielo Azul and some BPA/NV units relocated
- Mica repower - fix in ADS

Hydro Differences

BC: Mica had a repower that we had accidentally duplicated. It will be fixed.

BPA: due to difference in submitted Pmax through L&R between 2022 and 2024 submissions

Comparing hydro capacities 2032 vs 2034 (BC and BPA)
BC correction from Mica due to a repower instead of an addition

BPA differences in L&R capacities from year to year

	2032 Hydro Capacity (MW)	2034 Hydro Capacity (MW)	Diff
BC	17607	19122	-1515
BPA	22163	20413	1750
CAISO	7294	7584	-290

Unit Relocations

New Bus Fixed	NewBus Name	GeneratorKey	Name	Bus ID	Bus Name
56335	HOPECR8	6131	CarsonCC-Total	24070	ICEGEN
18001	H ALLEN	21360	Bergen 2 GT	472140	RUN_TRO_CIO
18001	H ALLEN	21698	Ladera BA	472140	RUN_TRO_CIO
18294	SLOAN	21704	Nelson Hills Energy Storage BA	472140	RUN_TRO_CIO
18001	H ALLEN	21705	Opal BA	472140	RUN_TRO_CIO
18025	RD GDNR	21711	Reid Gardner BESS II A BA	472140	RUN_TRO_CIO
18025	RD GDNR	21712	Reid Gardner BESS II B BA	472140	RUN_TRO_CIO
18001	H ALLEN	21713	Roadrunner Energy Storage BA	472140	RUN_TRO_CIO
18001	H ALLEN	21715	Sandlot 2 BA	472140	RUN_TRO_CIO
18001	H ALLEN	21716	Seabiscuit ESS BA	472140	RUN_TRO_CIO
18400	SLHWK	21718	Silverhawk BESS 1 BA	472140	RUN_TRO_CIO
18400	SLHWK	21719	Silverhawk BESS 2 BA	472140	RUN_TRO_CIO
18001	H ALLEN	21729	Vitex 1 BA	472140	RUN_TRO_CIO
18001	H ALLEN	21730	Vitex 2 BA	472140	RUN_TRO_CIO
18294	SLOAN	22154	Jean Lake PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22163	Moapa 600 One PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22164	Moapa 600 Two PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22168	North Muddy 2 PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22177	Red Rock Solar PV-NT	472140	RUN_TRO_CIO
18014	CRYSTAL	22178	Red Valley 2 PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22179	Reine 1 PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22180	Reine 2 PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22181	REV Renewables 1 PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22182	REV Renewables 2 PV-NT	472140	RUN_TRO_CIO
18001	H ALLEN	22198	Tavaci (fka North Muddy) PV-NT	472140	RUN_TRO_CIO

Unit Relocations

Update AB32 with
Cielo PV and BA

Short term the Cielo Azul 500 kV substation is closer to Delany than the Colorado River so placing it at Delany is a better option

From PF 2034HA1a		Use New Bus		1	2	3	4	5	6	7	8
User Set Bus			New	GenList_Working							
User Set	Used	Exist	D Row	Generator Name		Bus ID	Bus Name	Bus KV	Unit ID	rator Ty	SubType
Bus Nu	Bus										
14012	14012	FALSE	-1	21530	Li-ion Battery (4-hr)_Cielo Azul_500kV	14012	DELANY	500	'X6	3	Energy Storage
14012	14012	FALSE	-1	21531	Li-ion Battery (4-hr)_Cielo Azul_500kV	14012	DELANY	500	'X7	3	Energy Storage
14012	14012	FALSE	-1	21532	Li-ion Battery (4-hr)_Cielo Azul_500kV	14012	DELANY	500	'X8	3	Energy Storage
14012	14012	FALSE	-1	21954	Arizona_Solar_Cielo Azul_500kV 1 PV	14012	DELANY	500	'X3	4	PV
14012	14012	FALSE	-1	21955	Arizona_Solar_Cielo Azul_500kV 2 PV	14012	DELANY	500	'X1	4	PV
14012	14012	FALSE	-1	21956	Arizona_Solar_Cielo Azul_500kV 3 PV	14012	DELANY	500	'X4	4	PV
14012	14012	FALSE	-1	21957	Arizona_Solar_Cielo Azul_500kV 4 PV	14012	DELANY	500	'X5	4	PV

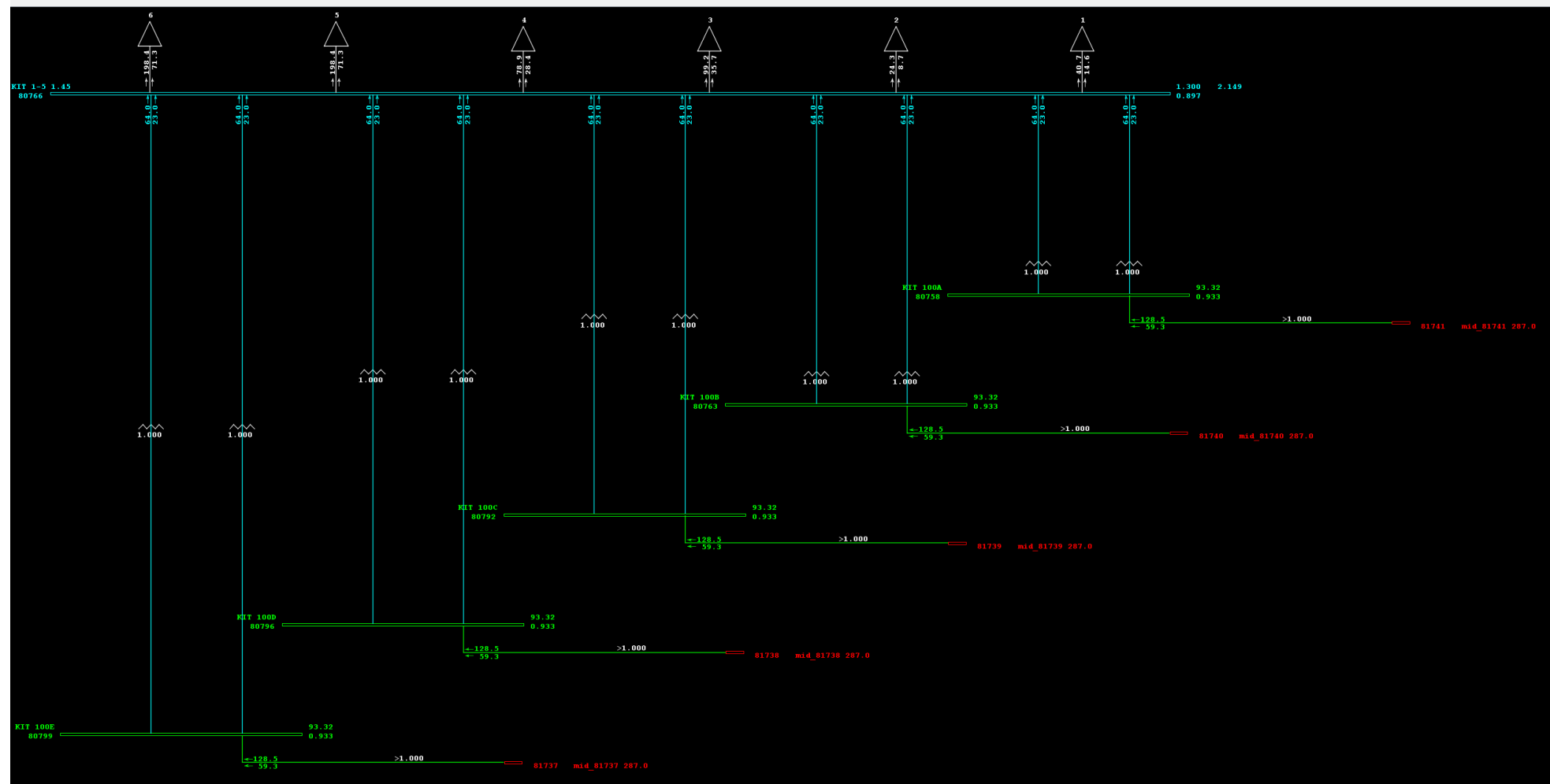
Towner Wind Relocation

- Towner Wind III 1 WT moved from CRAIG_YV Bus 70009 to Kiowa County May Valley Bus 70919

BC Hydro Unserved Load

- BC Hydro unserved load situation
- Reached out to BC Hydro
- We can modify line monitoring to either show or not show this issue

BC Hydro



Approval Item

- Approval Item:
 - WECC move to GridView version 10.3.80 (recommended by Hitachi), starting with the 2034 ADS PCM V3 release
 - Approved

Review of Retirement Dates of Generators

- Total of 822 units with a retirement year between 2023 and 2049
- 334 hourly resources, 38 energy storage units, 101 hydro units, 347 thermal units
- Total of 67 units with less than 15 years of service, and a retirement year between 2023 and 2049
- Total 8 units with a mismatch in the retirement dates between ADS_2034 and the L&R data—WECC to address these



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