



PCDS Update to the RAC

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PCDS Takeaways

- 2034 ADS PCM V2 was published in July
- 2034 ADS PCM V3 - Planning to publish this fall
 - Generator development status (WECC L&R as defined by NERC)
 - Tier 1: In permitting, PPA, interconnection, (included in case)
 - Tier 2: In IRP, system impact study complete, (included in case)
 - Tier 3: Future conceptual, not in Tier 1 or 2 (modeled in case)
 - Turned on in California
 - Turned-off outside of California (in version 2 turn-on)
 - Cleaned up generic location for new supply
 - Relocated generic supply addition to relieve congestion

PCDS Takeaways

- Continuation of 2034 ADS PCM V3
 - Fuel assignment cleanup and other general cleanup
 - DG-BTM distributed to area load busses
 - Corrected modeling of North SONGS 500 kV transmission project in case
 - Was missing three 230 kV line looping in-out of North SONGS 230 kV bus
 - Corrected ancillary service issues
 - Projects with the same name, wind/solar and energy storage, are modeled at the same bus
 - Updated hourly demand response shapes based on L&R submittal
 - Managed station service load, off-line in PCM, and on in PF export if generator is on-line

To Do

- Update the hourly resource shapes for new wind/solar units
- Update new wind/solar supply hourly shapes (NREL/PNNL is working on)
- Update flexible reserves in case (PNNL is working on)
- To improve run time aggregate small Energy Storage (ES) by area (WECC GIS Specialist)
- Update titles of interfaces to include flow direction. EX. (W-E)
- Correct modeling of new combined cycles.
 - Currently some CC are modeled as CT and CA unit. In PCM CC are modeled as a 1x1 proxy unit with the generation distributed to CT and CA
- Correct/review: fuels assignments, Pmin Pmax, and CO2 groups
- Correct path definition for 14, 15, 26, 66

