# Applied Change Files

The following changes have been made to the 2032 ADS PCM V2.1 case to create the 2032 ADS PCM V2.3 case:

| Change File Name | Description |
| --- | --- |
| 2022-8-29\_Set-up BTM Load mapping for PF export | * Move distribution of DG-BTM from generator distribution table to the BTMGen-Load Mapping feature. This places the BTM generation in the loads as Pdgen in PF case exports. |
| 2022-9-26\_Delete unused gens that show in DB only | * Delete generators that are from previous cycles that appear in database only |
| 2022-9-27\_EPE Generator Balance Nomogram Update Gens | * Update to include all EPE generators in the EPE balance nomogram |
| 2022-9-28 BESS Charging duration adj | * Changed all batteries to have 4 hours of storage (23 batteries only had 1 hour storage) |
| 2022-9-30\_add S Utah phase shifters | * Changed phase shifters in southern Utah to phase shifting transformers.   + Settings are -30° to 30° and $10/degree for changing angle   + Initial angel is 0 since we do not have any other data |
| 2022-10-10\_Geo Must Run | * Made sure all geothermal units are set to must run |
| 2022-10-12\_BANC Hydro Spillage update | * Adjust BANC hydro spillage from information provided by BANC |
| 2022-10-17\_Update AB32 Nomo\_AB32 NW and SW Wheeling\_TB | * Updated AB32 Nomogram penalty * Updated AB32 import wheeling rate from NW and SW |
| 2022-10-18\_UseGenericHeatrateAlamitosCC HuntingtonBeachCC\_TB | * Updated heat rates from Alamitos CC and Huntington Beach CC units |
| 2022-10-19\_EPE TEPC GenBalanceNomo 20Penalty | * Updated EPE and TEPC generator load balance nomograms to have a $20/MWh penalty instead of $1000/MWh |
| 2022-10-19\_PACW out of area Distribution assignment | * Assigned PAC generators located in BPAT to PACW in Reserve Capacity Distribution table |
| 2022-10-20\_Remote Generator Distribution Assignment\_TB | * Assigned several generators located in AZPS to correct BAs |
| 2022-10-20\_Correct Geothermal Modeling and Fuel\_TB | * Update heat rates and fuel for those geo units modeled as combined cycles. * Update FOR for geo units to be 6.88% according to GADS data. * Update other data for geo units. |
| 2022-10-20\_WRGianelli\_NonSpill\_JJ | * Updated the W\_R\_Gianelli Pumped Storage units to non spill |
| 2022-10-20\_ThermalGenericParam\_Fix\_JJ | * Updated the thermal units with high number of starts to generic data: heat rate, VOM, start cost, Outage rate, Ramp RateMin upDown |
| 2022-11-1\_Add Modify Gens according to PF and LaR\_TB | * One missing generator was added, Opal Springs Hydro * Aiya Solar generator ID was corrected |
| 2022-11-07 TEPC\_Nomogram\_Update | * Update to add all local TEPC local generation to local gen nomogram |
| 2022-11-9\_DC Intertie updates\_TB | * Update the DC interties with new hourly shapes from 2018 actual data * Blackwater DC intertie was missing, added to the PCM case |
| 2022-11-11\_move Big Rock Solar\_TB | * Big Rock Solar interconnection was moved from 23284 to 22356 |
| 2022-11-11\_Add Boardman to Hemmingway Tx project\_TB | * Boardman to Hemmingway transmission project added to PCM * Path 14, Idaho to Northwest; and Path 82, TotBeast updated to reflect addition of B2H |