# Applied Change Files

The following changes have been made to the 2032 ADS PCM V2.3.2 case to create the 2032 ADS PCM V2.4.1 case. This dataset needs to be ran in GridView version 10.3.58. Previous versions created changes to generation types that provide ancillary services. The major update to this version is the recalculated reserve for the 2032 ADS:

| Change File Name | Description |
| --- | --- |
| 2022-12-9\_Assign Correct Shapes\_v2 | * Seven wind units had shapes corrected |
| 2022-12-15\_Add missing VOM to Batteries\_TB | * Eight batteries were missing VOM charges |
| 2023-1-4\_HNL from hydro to nat gas | * Small HNL co-gen units updated from hydro to thermal units |
| 2023-1-9\_Fix Solano\_Wind 1-5 hourly Shapes\_TB | * Hourly shapes for generic Solano Wind units given existing wind shapes from area due to low capacity factors for the generic wind |
| 2023-1-17\_Thermal General Update to IO Capacity\_TB | * Installed capacity in Thermal General table updated for 87 units   + This is informational only, didn’t affect the simulation |
| 2023-4-25\_Incorporate 2032 reserve calculations | * The 2032 ADS reserve calculations from PNNL were added. This includes:   + Load-Following Up/Down   + Regulation Up/Down requirements |
| 2023-5-3\_Bus and Gen Distribution Corrections\_TB | * Several generators were assigned to incorrect buses or did not need to be in the Generation Distribution table. |
| 2023-5-19\_Correct Generation Contribution to Ancillary Services | * Correct which generators can contribute to ancillary services, particularly load-following and regulation, up and down reserves. |