



Procedure No. - 3530I
Version - 3.4
Effective - 1/18/2024

Stranded Load Scheduling - Public Attachment

Distribution Restriction:
None

| Scenario Name | Entity Experiencing Stranded Load (SE) | Native BA | Adjacent BA(s) | OASIS Transmission Outage | ETCC Change | Tagging & Scheduling Responsibility | Scheduling Description | Export Tie | Import Tie | Valid Stranded Resource IDs |
|------------------------------|---|-----------|----------------|---------------------------------------|--|-------------------------------------|--|------------|--|---|
| Blythe Load #1, APS Vicinity | APS | WALC | CAISO | BLYTHE_BG / BLYTHE_ITC | 55/0 | APS | Schedule estimated Blythe Loads as an import to Mead230/Blythe161 Intertie. Local Blythe Intertie APS Loads continue to be served radially, via a Wheel by APS through WALC to the Mead 230 Interconnection. | MEAD230 | BLYTHE161 | |
| Blythe Load #2, SCE Vicinity | SCE | WALC | CAISO | BLYTHE_BG / BLYTHE_ITC | 55/0 | SCE | If the Blythe Solar Unit is unavailable, schedule estimated Blythe Loads as an import from WALC, by an export at the Mead 230 Intertie. Local Blythe Intertie APS Loads continue to be served radially, via a Wheel by SCE through an export at the WALC Mead 230 Interconnection. | MEAD230 | BLYTHE161 | SCE1_BLYTHE161_I_F_030303 SCE1_MEAD230_E_F_030303 SCE1_MEAD230_E_F_040404 |
| Cascade Vicinity Load #1 | PGAE | CAISO | BPA, PACW | CASCADE_BG / CASCADE_ITC | 0/0 | PGAE | When a transmission outage occurs that strands PGAE load from the CAISO Balancing Area. PGAE schedules estimated Cascade loads as a wheel-through the BPA Balancing Area and sinks in the PACW Balancing Area, as an export from CAISO to BPA at MALIN500 Intertie to an import from BPA to PACW. | MALIN500 | Energy should be scheduled to PACW to serve PGAE load. | PCG2_MALIN500_E_F_XXXX11 PGAE procures transmission to wheel through BPA to sink in PACW |
| Cascade Vicinity Load #2 | PGAE | CAISO | PACW | CASCADE_BG/CASCADE_ITC is in service. | Determined by operating conditions. | PGAE | When a transmission outage occurs that strands PGAE load from the CAISO Balancing Area. PGAE schedules estimated Cascade loads as an export out of Cascade to PACW at CRAG Intertie. | CRAG | Energy should be scheduled to PACW to serve PGAE load. | PCG2_CRAG_E_F_XXXX51 PGAE procures transmission from PPW to sink in PACW |
| Cascade Vicinity Load #3 | PACW | PACW | CAISO | CASCADE_BG / CASCADE_ITC | 45 MW S/N and 0 MW N/S Note: The north to south OTC "0" MW limitation precludes use of the Cascade Intertie by other Market Participants to Schedule imports to NP15, in recognition that the path is out of service within PACW. | PACW | When a transmission outage occurs that strands PACW Cascade load in the CAISO Balancing Authority. | CRAG | MALIN500 | PAC1_CRAG_E_WHL_DA01 PAC1_MALIN500_I_WHL_DA01 PAC1_CRAG_E_F_DA01 PAC1_CRAG_E_F_HA01 |
| Cascade Vicinity Load #4 | PACW | PACW | CAISO | CASCADE_BG/CASCADE_ITC is in service. | Determined by operating conditions. | PACW | When a transmission outage occurs that strands PACW Cascade load in the CAISO Balancing Authority. | CRAG | MALIN500 | PAC1_CRAG_E_WHL_DA01 PAC1_MALIN500_I_WHL_DA01 PAC1_CRAG_E_F_DA01 PAC1_CRAG_E_F_HA01 |
| DOE - Tracy Load | WASN | BANC | CAISO | LLNL_BG / LLNL_ITC | 105 MW at LLL115 | WASN | The BANC/WASN energy wheeling through the CAISO must be re-routed to flow out of the CAISO and then back into BANC/WASN. | LLL115 | TRCYPGAE or TRCYCOTP | WDOE_CTW230_I_F_BR WDOE_LLL115_E_WHL_PWRX WDOE_TRCYPGAE_I_WHL_LLNL WDOE_LLL115_E_WHL_LLNL WDOE_LLL115_E_WHL_COB-T1 WDOE_LLL115_E_F_LLNL WDOE_LLL115_E_WHL_COB-T2 WDOE_LLL115_E_WHL_PY2LLL WDOE_TRCYCOTP_I_WHL_LLNL WDOE_CTW230_I_WHL_BR WDOE_LLL115_E_WHL_COB-T3 WDOE_CTW230_I_WHL_MHBRLL WDOE_CTW230_I_WHL_MLBRLL WDOE_TESLA230_I_WHL_MHBRLL WDOE_TESLA230_I_WHL_MLBRLL WDOE_TRCYPGAE_I_WHL_MHBRLL WDOE_TRCYPGAE_I_WHL_MLBRLL WDOE_CTW230_I_WHL_LLNL WDOE_CTW230_I_WHL_PY2LLL WDOE_MALIN500_I_WHL_LLNL WDOE_TESLA230_I_WHL_LLNL WDOE_TESLA230_I_WHL_PY2LLL WDOE_TRCYPGAE_I_WHL_PY2LLL WDOE_LLL115_E_WHL_LLNLBR WDOE_LLL115_E_WHL_LLNLCP WDOE_LLL115_E_WHL_LBACP WDOE_TRCYPGAE_I_WHL_LLNLBR WDOE_TESLA230_I_WHL_LLNLBR WDOE_CTW230_I_WHL_LLNLBR WDOE_TRCYCOTP_I_WHL_LLNLCP WDOE_TESLA230_I_WHL_LLNLCP WDOE_CTW230_I_WHL_LLNLCP |
| MWD Pump Load | MWD | CAISO | WALC | MEAD_ITC | -155/0 MW In the ATC/ETC set the TOR equal to OTC when MWD pump Load is isolated from the CAISO. | AEPCO | For outages, create an import(s) at PARKER230 using one of the resource IDs shown under the Valid Stranded Resource IDs column. When MWD pump Load is isolated from the CAISO and is served from the WALC balancing authority area via the Parker-Gene 230 kV Interconnection, interchange schedules that were being delivered to MEAD230 should be redirected to PARKER230. Also, such changes should be reflected in the physical path of the updated E-Tag(s). | N/A | PARKER230 | AMWD_PARKER230_I_F_PARKER AMWD_PARKER230_I_F_OPEN AMWD_PARKER230_I_F_HOOVER |
| NVE Load | NVE | NVE | CAISO | VEA_ITC/MERCURY_ITC/NWEST_ITC | 0/load amount & 0/0 | NVE | When any of the outages take place and because they are all radial NVE Load can be served through a wheel | MERCURY138 | NWEST | NVPM_MERCURY138_E_F_DA001 NVPM_NWEST_I_F_DA001 |
| INYO | LDWP | CAISO | LDWP | INYO_BG | 0/0 | N/A | N/A | N/A | N/A | N/A |
| Plumas-Sierra Vicinity Load | Plumas Sierra Rural Electric Cooperative (REC) Load | CAISO | NVE | MARBLE_BG / MARBLE_ITC | Increase Marble to -26/0* * Full limit only applies if NVE does not impose additional derate on east-to-west transfers. Marble tie scheduling limit must be no higher than the derated limits imposed by NVE. Reference OP-7240. | NCPA | When the Plumas-Sierra Load is isolated from the CAISO the NVE from within the CAISO must be re-routed to flow out of the CAISO, through the NVE Balancing Authority Area, and then back in to the CAISO to Plumas-Sierra. | SUMMIT120 | MARBLE60 | NCPA_SUMMIT120_E_F_0001 NCPA_MARBLE60_I_F_TO01 NCPA_MARBLE60_I_F_TO02 NCPA_MARBLE60_I_F_TO03 |



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| Scenario Name | Entry Experiencing Stranded Load (LE) | Native BA | Adjacent BA(s) | OASIS Transmission Outage | ETCC Change | Tagging & Scheduling Responsibility | Scheduling Description | Export Tie | Import Tie | Valid Stranded Resource IDs |
|-------------------------------------|---------------------------------------|-----------|----------------|----------------------------|--|-------------------------------------|---|-------------------|--|---|
| Sandy Load #1 | VEA | CAISO | NVE | AMARGO_ITC | Determined by operating conditions. | VEA | Must be accompanied by a dynamic wheel through MEAD230. | MEAD230 | MEAD230 and AMARGOSA230 | CISO_MEAD230_E_F_VEA CISO_MEAD230_I_F_VEA and VBOB_AMARGOSA230_I_F_OPEN |
| Sandy Load #2 | VEA | CAISO | NVE | AMARGO_ITC | Determined by operating conditions. | VEA | Must be accompanied by a dynamic wheel through MEAD230. | MEAD230 | MEAD230 and AMARGOSA230 | CISO_MEAD230_E_F_VEA CISO_MEAD230_I_F_VEA and VBOB_AMARGOSA230_I_F_OPEN |
| Silver Peak Load #1 NVE Vicinity | NVE | NVE | CAISO | SILVERPK_BG / SILVERPK_ITC | Determined by operating conditions. | NVE | When the NVE Silver Peak vicinity Load is stranded the OTC is taken to zero 17/0, yet the Intertie remains in service solely to serve this stranded NVE Load. | SILVERPEAK55 | SUMMIT120 | SPPC_SUMMIT120_I_F_SUIMF1 SPPC_SUMMIT120_E_F_SUEXF1 SPPC_SILVERPEAK55_E_F_SPEXF1 |
| Silver Peak Load #2 SCE Vicinity | SCE | CAISO | NVE | SILVERPK_BG / SILVERPK_ITC | Determined by operating conditions. | SCE | When the SCE Silver Peak vicinity Load is stranded the OTC is taken to zero 17/0, yet the Intertie remains in service solely to serve this stranded SCE Load. | SUMMIT120 | SILVERPEAK55 | SCE1_SILVERPEAK55_I_F_010101 SCE1_SUMMIT120_E_F_040404 |
| Summit Load #1 | TDPUD/ UAMPS | NVE | CAISO | SUMMIT_BG / SUMMIT_ITC | Determined by operating conditions. | UAMPS* | When the Truckee/Donner PUD Load is stranded and fed radially from NVE on the Summit-Spaulding 60 kV line. | SUMMIT120 | SUMMIT120 | MSCG_SUMMIT120_E_F_IMS1SL |
| Summit Load #2 | PGAE | CAISO | NVE | N/A | Determined by operating conditions. | PGAE | When the PGAE Summit vicinity Load is stranded then the CAISO Energy to Cisco Grove, Tamarack, and Summit flows through NVE, and then back into the CAISO at the Summit Intertie. | SUMMIT120 | SUMMIT120 | PCG2_SUMMIT120_E_F_XXXX11 PCG2_SUMMIT120_I_F_XXXX11 PCG2_SUMMIT120_E_F_XXXX51 PCG2_SUMMIT120_I_F_XXXX51 |
| VEA Load #1 | VEA | CAISO | WALC, NVE | MEADVEA_BG & VEA_ITC | 0/0 & Determined by operating conditions | VBOB | VEA load can be served through various ties with NVE, but must be accompanied by a dynamic wheel through MEAD230. | MEAD230 | MEAD230 and AMARGOSA230 or MERCURY138 or NWEST | CISO_MEAD230_E_F_VEA CISO_MEAD230_I_F_VEA VBOB_AMARGOSA230_I_F_OPEN VBOB_MERCURY138_I_F_OPEN VBOB_NWEST_I_F_OPEN VBOB_MEAD230_I_F_OPEN |
| VEA Mitigation for no UVLS | VEA and DOE | CAISO | WALC, NVE | MEADVEA_BG & VEA_ITC | Determined by operating conditions. | VBOB | Load must be served through NVE with a dynamic wheel at MEAD230 though WALC into ARMAGOSA230. The additional load pocket will be served with a wheel through NWEST into MERCURY138. | MEAD230 AND NWEST | MEAD230 AND AMARGOSA230 and MERCURY138 | CISO_MEAD230_E_F_VEA CISO_MEAD230_I_F_VEA VBOB_AMARGOSA230_I_F_OPEN VBOB_NWEST_E_F_OPEN VBOB_MERCURY138_I_F_OPEN VBOB_MEAD230_I_F_OPEN |

Version History

| Version | Change Description | Date |
|---------|--|------------|
| 2.0 | <p>Updates for Silver Peak Load #1 and #1 rows: corrected ETCC limits to: "Determined by operating conditions."; corrected the import and export ties to accurately reflect what direction and where the energy would need to be tagged; updated the Scheduling Description with the scenario when Nevada purchases energy from SCE, and clarified the two rows' titles.</p> <p>Added new row "NVE load" for the VEA area that was taken from section 3.7 and will be removed from OP 7910.</p> <p>Edited last row with extra resource IDs to list them as valid stranded load resource IDs but not part of the 7910 VEA procedure. Also, removing the, "section 13" reference, as that was from the OP 3530 procedure before the Excel spreadsheets were in existence.</p> <p>NVE Load OASIS Transmission Outage changed from VEA-ITC (MERCURY138) to: VEA_ITC/MERCURY_ITC/NWEST_ITC.</p> | 11/19/2018 |
| 2.1 | <p>Added new row, INYO.</p> <p>Updated DOE - Tracy Load ETCC Change to 105 MW.</p> | 4/16/2019 |
| 2.2 | Updated Scheduling Description for VEA Load. | 12/7/2019 |
| 2.3 | <p>Added VEA Load #2 scenario for VEA stranded load for loss of Sloan Canyon-Eldorado 230kV line and renamed scenarios to reflect the addition. Updated OASIS Transmission Outage, Column E to correctly match 3530H for VEA Load #1 scenario. Clarified Scheduling Description, Column K info for all four Cascade scenarios and VEA Load #1 scenario.</p> <p>Minor clarification to the scheduling description column.</p> | 1/31/2020 |
| 2.4 | <p>Cascade Scenario #1: ISO should supply energy to PACW when serving PGAE load, therefore, the Scheduling Description changed to remove the import to ISO part of the description, and removed CRAG resource IDs from the Valid Stranded Load IDs column. Import Tie: added Energy should stay in PACW to serve PGAE load. The ETCC limits were changed to 0/0, as in this scenario Cascade is out of service.</p> <p>Cascade Scenario #2: In the ETCC Change column, replaced "PACW does have TOR import rights at MALIN, right now they have 40 MW. The MW amount can change quarterly" with "Determined by operating conditions" because the TOR information is not relevant information and the Cascade limit could be full or derated. Import Tie: added Energy should stay in PACW to serve PGAE load.</p> <p>Removed the CRAG Import and MALIN500 Export resource IDs, as they are not needed for this scenario. Removed BPA from Adjacent BA(s) since it is not necessary to schedule through BPA for load #2.</p> <p>Updates to Sandy Load #1 & #2 and VEA load #1. Removed VEA load #2. Added VEA Mitigation for no UVLS.</p> | 4/21/2020 |
| 3.0 | Periodic Review: Minor format changes only. | 12/4/2020 |
| 3.1 | Added VBOB_MEAD230_I_F_OPEN per VEA request in IMS 247562. Minor updates to the description of the DOE-Tracy load. Updated from ISO to CAISO throughout. | 3/10/2022 |
| 3.2 | <p>Updated to include new stranded load IDs for WAPA:</p> <p>WDOE_LLL115_E_WHL_COB-T3 WDOE_CTW230_I_WHL_MHBRLL WDOE_CTW230_I_WHL_MLBRLL WDOE_TESLA230_I_WHL_MHBRLL WDOE_TESLA230_I_WHL_MLBRLL WDOE_TRCYPGAE_I_WHL_MHBRLL WDOE_TRCYPGAE_I_WHL_MLBRLL</p> | 6/1/2022 |
| 3.3 | <p>Updated to include new intertie resources for priority wheel and stranded load requested by WASN per CIDI 259372.</p> <p>Updated remaining instances of ISO to CAISO.</p> <p>Removed history prior to five years.</p> | 4/1/2023 |
| 3.4 | Periodic Review: No changes. | 1/18/2024 |
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