

Overloaded Facility	Contingency (All and Worst P6)	Category	Category Description	Loading % (Baseline Scenarios)											Loading % (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2036 Winter Off-Peak	2041 Winter Peak	2028 Spring OP Sensitivity	2031 SpOP Hi Renew & Min Gas Gen	2031 SP High CEC Forecast			
24593 MN_VINCNT_21 500 24592 MN_VINCNT_22 500 2 1	P1-2:A0:29:_MIDWAY-VINCENT 500KV 1[0]	P1-2	L-1	102%	100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	100%	Path flow adjustment and ratings review.	
30060 MIDWAY 500 24591 MW_VINCNT_11 500 1 1	P1-2:A0:30:_MIDWAY-VINCENT 500KV 2[0]	P1-2	L-1	<100%	<100%	<100%	119%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Ratings under review.	
30052 MANNING 500 300562 MNG_HRL_21 500 2 1	P1-2:A0:25:_GATES-MIDWAY 500KV [5990]	P1-2	L-1	<100%	<100%	117%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
30055 GATES 500 300551 GAT_MDW_11 500 1 1	P1-2:A0:23:_MANNING-HARLAN 500KV 2[0]	P1-2	L-1	<100%	<100%	124%	<100%	<100%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P1-2:A0:24:_HARLAN-MIDWAY 500KV 2[0]	P1-2	L-1	<100%	<100%	100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
30460 VACA-DIXON F 230 30465 BAHIA 230 1 1	P1-2:A0:11:_VACA-DIX-COLLINSVILLE 500KV [0]	P1-2	L-1	<100%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Continue to monitor.	
	P1-2:A0:12:_COLLINSVILLE-TESLA E 500KV [0]	P1-2	L-1	<100%	<100%	<100%	103%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
30460 VACA-DIXON F 230 30467 PARKWAY 230 1 1	P1-2:A0:10:_OLINDA-TRACY 500KV [0]	P1-2	L-1	<100%	<100%	<100%	110%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Continue to monitor.	
	P1-2:A0:11:_VACA-DIX-COLLINSVILLE 500KV [0]	P1-2	L-1	<100%	<100%	<100%	119%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-2:A0:33:_COLLINSVILLE-PITTSBURG-D #1 230KV [0]	P1-2	L-1	<100%	<100%	<100%	110%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
30765 LOSBANOS 230 30768 POLELINE 230 1 1	P1-2:A0:34:_COLLINSVILLE-PITTSBURG-E 230KV [0]	P1-2	L-1	<100%	<100%	<100%	110%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P1-2:A0:19:_LOSBANOS-GATES 500KV 3[6000]	P1-2	L-1	N/A	<100%	105%	<100%	NA	<100%	<100%	<100%	<100%	<100%	<100%	NA	<100%		
30906 GATES F 230 367101 Q1593SWSTA 230 1 1	P1-2:A0:36:_MANNING - METCALF 500 kv [0]	P1-2	L-1	N/A	N/A	105%	<100%	NA	NA	<100%	<100%	<100%	<100%	<100%	NA	NA	Path flow adjustment or transmission solution.	
	P1-2:A0:23:_MANNING-HARLAN 500KV 2[0]	P1-2	L-1	<100%	<100%	114%	107%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-2:A0:24:_HARLAN-MIDWAY 500KV 2[0]	P1-2	L-1	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-2:A0:25:_GATES-MIDWAY 500KV [5990]	P1-2	L-1	<100%	<100%	119%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-3:A0:18:_MIDWAY 500/230KV TB 11	P1-3	L-1	<100%	<100%	<100%	111%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
300551 GAT_MDW_11 500 30060 MIDWAY 500 1 1	P1-3:A0:19:_MIDWAY 500/230KV TB 12	P1-3	L-1	<100%	<100%	<100%	111%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P1-3:A0:20:_MIDWAY 500/230KV TB 13	P1-3	L-1	<100%	<100%	<100%	111%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-3:A0:5:_TABLE MTN 500/230KV TB 5	P1-3	L-1	<100%	<100%	<100%	103%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-2:A0:23:_MANNING-HARLAN 500KV 2[0]	P1-2	L-1	<100%	<100%	125%	<100%	<100%	<100%	107%	<100%	<100%	<100%	<100%	<100%	<100%		
367101 Q1593SWSTA 230 30971 MIDWAY-F 230 1 1	P1-2:A0:24:_HARLAN-MIDWAY 500KV 2[0]	P1-2	L-1	<100%	<100%	102%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P1-2:A0:25:_GATES-MIDWAY 500KV [5990]	P1-2	L-1	<100%	<100%	<100%	105%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P1-3:A0:17:_GATES 500/230KV TB 12	P1-3	L-1	<100%	<100%	<100%	112%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
24593 MN_VINCNT_21 500 24592 MN_VINCNT_22 500 2 1	P2-1:A0:19:_MIDWAY-VINCENT #1 500KV [9511] (MIDWAY-MN_VINCNT_22-VINCENT_21)	P2-1	bus-bkr	102%	100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	100%	Ratings under review.	
	P2-1:A0:49:_MIDWAY-VINCENT #1 500KV [9511] (MN_VINCNT_22-VINCENT_21)	P2-1	bus-bkr	101%	100%	<100%	<100%	<100%	<100%	NA	NA	NA	<100%	<100%	<100%	100%		
	P2-3:A0:140:_MIDWAY 500KV - Middle Breaker Bay 2	P2-3	bus-bkr	102%	100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		100%
30015 TABLE MTN 500 300153 TM_TS_11 500 1 1	P2-3:A0:105:_TABLE MTN 500KV - MIDDLE BREAKER BAY 1	P2-3	bus-bkr	NConv	NConv	<95%	NConv	<95%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	NConv	Under review.	
30052 MANNING 500 300562 MNG_HRL_21 500 2 1	P2-1:A0:18:_GATES-MIDWAY 500KV [5990] (GATES-GT_MDW_11)	P2-1	bus-bkr	<100%	<100%	117%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P2-1:A0:39:_GATES-MIDWAY 500KV [5990] (MIDWAY-GAT_MDW_11)	P2-1	bus-bkr	<100%	<100%	117%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P2-3:A0:133:_GATES 500KV - Middle Breaker Bay 5	P2-3	bus-bkr	<100%	<100%	101%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P2-3:A0:142:_MIDWAY 500KV - Middle Breaker Bay 4	P2-3	bus-bkr	<100%	<100%	118%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P2-3:A0:30:_GATES 500KV - Middle Breaker Bay 4	P2-3	bus-bkr	<100%	<100%	121%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
30055 GATES 500 300551 GAT_MDW_11 500 1 1	P2-1:A0:16:_MANNING-HARLAN 500KV 2[0] (MANNING-MNG_HAR_21)	P2-1	bus-bkr	<100%	<100%	124%	<100%	<100%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P2-1:A0:37:_MANNING-HARLAN 500KV 2[0] (MANNING-MNG_HAR_21)	P2-1	bus-bkr	<100%	<100%	124%	<100%	<100%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%		
	P2-1:A0:38:_HARLAN-MIDWAY 500KV 2[0] (HRL_MDW_24-MIDWAY)	P2-1	bus-bkr	<100%	<100%	100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
30060 MIDWAY 500 24591 MW_VINCNT_11 500 1 1	P2-3:A0:152:_MANNING 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	<100%	<100%	124%	<100%	<100%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.	
	P2-3:A0:153:_HARLAN 500KV - Middle Breaker Bay X	P2-3	bus-bkr	<100%	<100%	114%	<100%	<100%	<100%	<100%	102%	<100%	<100%	<100%	<100%	<100%		
	P2-1:A0:20:_MIDWAY-VINCENT #2 500KV [9512] (MIDWAY-MN_VINCNT_22-VINCENT_21)	P2-1	bus-bkr	<100%	<100%	<100%	120%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P2-3:A0:141:_MIDWAY 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	<100%	<100%	<100%	119%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
30585 LS PSTAS 230 30630 NEWARK D 230 1 1	P2-3:A0:118:_TESLA 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	103%	103%	<100%	103%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	103%	Contingency under review.	
30590 VASCO WINDICT 230 30530 CAYETANO 230 1 1	P2-3:A0:118:_TESLA 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	102%	<100%	<100%	104%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Contingency under review.	
30655 PPASSICT 230 30631 NEWARK E 230 2 1	P2-3:A0:118:_TESLA 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	106%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
300052 FR_TM_12 500 30015 TABLE MTN 500 1 1	P2-1:A0:7:_TABLE MTN-FERN RD #2 500KV [9504] (FR_TM_22-TABLE MTN_12)	P2-1	bus-bkr	116%	<100%	<100%	113%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Contingency under review.	
	P2-3:A0:106:_TABLE MTN 500KV - MIDDLE BREAKER BAY 2	P2-3	bus-bkr	NConv	<100%	<100%	<100%	<95%	<100%	<100%	<100%	<100%	<100%	<100%	<95%	<100%		
300060 FERNROADSS 500 300052 FR_TM_12 500 1 1	P2-3:A0:145:_FERNROADSS 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	NConv	NConv	<95%	<95%	<95%	<100%	<95%	<100%	<95%	<100%	<95%	<100%	NConv	Contingency under review.	
	P2-3:A0:106:_TABLE MTN 500KV - MIDDLE BREAKER BAY 2	P2-3	bus-bkr	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%		
	P2-3:A0:107:_TABLE MTN 500KV - MIDDLE BREAKER BAY 3	P2-3	bus-bkr	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%							

Overloaded Facility				Contingency (All and Worst P6)				Category		Category Description		Loading % (Baseline Scenarios)										Loading % (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
												2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2036 Winter Off-Peak	2041 Winter Peak	2028 Spring OP Sensitivity	2031 SpOP Hi Renew & Min Gas Gen	2031 SP High CEC Forecast		
300567 HRL_MDW_24	500	30060 MIDWAY	500 2 1	P2-3:A0-30: GATES 500KV - Middle Breaker Bay 4	P2-3	bus-bkr	<100%	<100%	103%	<100%	<100%	<100%	<100%	<100%	101%	<100%	<100%	<100%	<100%	<100%	<100%	Fast-flow adjustment of transmission solution.			
				P2-3:A0-107: TABLE MTN 500KV - MIDDLE BREAKER BAY 3	P2-3	bus-bkr	<100%	NConv	101%	104%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv					
				P2-3:A0-115: TRACY 500KV - Middle Breaker Bay 1	P2-3	bus-bkr	<100%	<100%	101%	103%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%					
				P2-3:A0-118: TESLA 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	<100%	<100%	101%	105%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%					
				P2-3:A0-124: METCALF 500KV - Middle Breaker Bay 3	P2-3	bus-bkr	<100%	<100%	101%	105%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%					
				P2-3:A0-126: MOSSLAND 500KV - Middle Breaker Bay 4	P2-3	bus-bkr	<100%	<100%	101%	104%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%					
				P2-3:A0-23: MOSSLAND 500KV - Middle Breaker Bay 2	P2-3	bus-bkr	<100%	<100%	101%	104%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%					
30052 MANNING	500	300562 MNG_HRL_21	500 2 1	P5-5(DC):A0-6: Station DC Battery Supply Gates 500KV Batt	P5-5(DC)	relay	<100%	<100%	154%	<100%	<100%	<100%	124%	<100%	<100%	<100%	<100%	<100%	<100%	<100%					
30052 MANNING	500	390010 MNMC_SC1	500 1 1	P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	NA	NA	NA	NA	NA	NA	NA	<100%	126%	NA	NA	NA	NA						
				P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	NA	NA	NConv	<100%	NA	NA	118%	<100%	NA	NA	NA	NA	NA						
30056 HARLANSWSTA	500	300564 HRL_MDW_21	500 2 1	P5-5(DC):A0-6: Station DC Battery Supply Gates 500KV Batt	P5-5(DC)	relay	<100%	<100%	111%	<100%	<100%	<100%	103%	<100%	<100%	<100%	<100%	<100%	<100%						
30460 VACA-DIXON F	230	30465 BAHIA	230 1 1	P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	<100%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%						
				P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv						
				P5-5(DC):A0-2: Station DC Battery Supply Table Mtn 500-230-115-60KV	P5-5(DC)	relay	<100%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	NConv	<100%	<100%	<100%	<100%						
30460 VACA-DIXON F	230	30467 PARKWAY	230 1 1	P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	108%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%						
				P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	<100%	<100%	NConv	107%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%							
				P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	<100%	103%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	NConv								
30515 WARNERVL	230	30516 WILSONRCTR	230 1 1	P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	<100%	<100%	NConv	<100%	<100%	128%	116%	<100%	<100%	128%	<100%	<100%							
				P5-5(DC):A0-7: Station DC Battery Supply Midway 500KV Batt	P5-5(DC)	relay	NConv	NConv	NConv	NConv	NConv	NConv	NConv	<100%	<100%	<100%	NConv	NConv							
30516 WILSONRCTR	230	30800 WILSON	230 BP 1	P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%							
				P5-5(DC):A0-7: Station DC Battery Supply Midway 500KV Batt	P5-5(DC)	relay	NConv	<100%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	NConv	<100%							
30516 WILSONRCTR	230	30800 WILSONPGAE	230 BP 1	P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	<100%	<100%	NConv	<100%	<100%	127%	115%	<100%	<100%	127%	<100%	<100%							
30525 C.COSTAPPD	230	30585 LS PSTAS	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	<100%	101%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30526 PITTSBURG-D	230	38952 TBC_PTB1	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	<100%	111%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30530 CAYETANO	230	30537 NDUBLIN	230 1 1	P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	<100%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%							
				P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	104%	109%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30537 NDUBLIN	230	35219 VINEYARD	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	122%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30550 MORAGA	230	30554 CASTROVL	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	130%	116%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30554 CASTROVL	230	30631 NEWARK E	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	128%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30562 SRRC JCT	230	30631 NEWARK E	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	102%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30567 LONETREE	230	30590 VASCO WINDJCT	230 1 1	P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	107%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%							
				P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	107%	111%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	NConv								
30574 WINDMASTERJT	230	38610 DELTAPMP	230 1 1	P5-5(DC):A0-3: Station DC Battery Supply Vaca-Dixon 500KV Batt	P5-5(DC)	relay	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	103%	<100%	<100%							
30585 LS PSTAS	230	30630 NEWARK D	230 1 1	P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	111%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%							
				P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	111%	133%	114%	NConv	<100%	106%	<100%	<100%	<100%	<100%	NConv								
30590 VASCO WINDJCT	230	30530 CAYETANO	230 1 1	P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	107%	<100%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%							
				P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	108%	117%	107%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	NConv								
30624 TESLA E	230	30630 NEWARK D	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	108%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30630 NEWARK D	230	364604 NSI-MIDPNTSS	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	163%	131%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30631 NEWARK E	230	30628 NWRK_11M	13.2 11 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	111%	NA	NA	<100%	<100%	NA	NA	NA	<100%	<100%	NConv							
30631 NEWARK E	230	30635 NWK DIST	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	131%	113%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30635 NWK DIST	230	30731 LS ESTRS	230 1 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	128%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30635 NWK DIST	230	30731 LS ESTRS	230 1 2	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	121%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30635 NWK DIST	230	30731 LS ESTRS	230 1 3	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	121%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30635 NWK DIST	230	30731 LS ESTRS	230 1 4	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	120%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30640 TESLA C	230	30655 PPASSJCT	230 2 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	<100%	108%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30655 PPASSJCT	230	30631 NEWARK E	230 2 1	P5-5(DC):A0-8: Station DC Battery Supply Metcalf 500-230KV Batt	P5-5(DC)	relay	114%	108%	<100%	NConv	<100%	<100%	<100%	<100%	<100%	<100%	<100%	NConv							
30705 MONTAVIS	230	35356 MNTA VSA	115 1 1	P5-5(DC):A0-5: Station DC Battery Supply Los Banos 500-230-70KV Batt	P5-5(DC)	relay	NA	NA	NConv	123%	NA	NA	<100%	<100%	<100%	NA	NA	NA							
				P5-5(DC):A0-4: Station DC Battery Supply Tesla 500KV Batt	P5-5(DC)	relay	<100%	<100%	103%	NA	<100%	<100%	NA	NA	<100%	<100%	<100%								
				P5-5(DC):A0-5: Station DC Battery																					

California ISO/IOP

Overloaded Facility	Contingency (All and Worst P6)	Category	Category Description	Loading % (Baseline Scenarios)										Loading % (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2036 Winter Off-Peak	2041 Winter Peak	2028 Spring OP Sensitivity	2031 SpOP Hi Renew & Min Gas Gen	2031 SP High CEC Forecast		
30906 GATES F 230 367101 Q15935WSTA 230 1 1	MIDWAY 500/230KV TB 13 & OLINDA-TRACY 500KV [0]	P6	L-1/L-1	<100%	104%	<100%	155%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Generation redispatch
	GATES-MIDWAY 500KV [5990] & GATES-DIABLO 500KV [5960]	P6	L-1/L-1	<100%	<100%	153%	<100%	<100%	<100%	<100%	113%	<100%	<100%	<100%	<100%		
	MIDWAY 500/230KV TB 12 & TABLE MT-VACA 500KV [6090]	P6	L-1/L-1	<100%	113%	<100%	123%	<100%	<100%	<100%	<100%	120%	<100%	<100%	<100%		
38610 DELTAPMP 230 30580 SANDHLWJCT 230 1 1	TABLE MT-VACA 500KV [6090] & COLLINSVILLE-TESLA 500KV [0]	P6	L-1/L-1	<100%	120%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	<100%	104%	113%	Interim operating solution.
30580 SANDHLWJCT 230 30625 TESLA D 230 1 1	TABLE MT-VACA 500KV [6090] & COLLINSVILLE-TESLA 500KV [0]	P6	L-1/L-1	<100%	101%	<100%	<100%	106%	<100%	<100%	<100%	<100%	<100%	<100%	104%	<100%	
30035 TRACY 500 37510 TCY MP2 500 2 1	TRACY 500/230KV TB 1 & TRACY-TESLA 500KV [6120]	P6	L-1/L-1	<100%	<100%	<100%	115%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	100%	
30035 TRACY 500 37508 TCY MP1 500 1 1	TRACY 500/230KV TB 2 & TRACY-TESLA 500KV [6120]	P6	L-1/L-1	<100%	<100%	<100%	115%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	100%	Path flow adjustment or transmission solution.
37585 TRCY PMP 230 37510 TCY MP2 500 2 1	TRACY 500/230KV TB 1 & TRACY-TESLA 500KV [6120]	P6	L-1/L-1	<100%	<100%	<100%	112%	106%	<100%	<100%	<100%	<100%	<100%	<100%	107%	<100%	
37585 TRCY PMP 230 37508 TCY MP1 500 1 1	TRACY 500/230KV TB 2 & TRACY-TESLA 500KV [6120]	P6	L-1/L-1	<100%	<100%	<100%	112%	106%	<100%	<100%	<100%	<100%	<100%	<100%	107%	<100%	
30042 METCALF 500 30045 MOSSLAND 500 1 1	MANNING - METCALF 500 kV [0] & TESLA-LOSBANOS 500KV [6100]	P6	L-1/L-1	<100%	<100%	116%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
	TESLA-METCALF 500KV [6110] & MANNING - METCALF 500 kV [0]	P6	L-1/L-1	<100%	<100%	111%	108%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
	MIDWAY-VINCENT 500KV 2[0] & MIDWAY-VINCENT 500KV 1[0]	P6	L-1/L-1	<100%	<100%	<100%	<100%	<100%	107%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
24594 MN_WRLWND_32 500 29402 WIRLWIND 500 3 1	MIDWAY-VINCENT 500KV 2[0] & MIDWAY-VINCENT 500KV 1[0]	P6	L-1/L-1	<100%	<100%	<100%	<100%	<100%	<100%	107%	<100%	102%	102%	<100%	<100%	<100%	Interim operating solution.
	MIDWAY-VINCENT 500KV 1[0] & MIDWAY-VINCENT 500KV 2[0]	P6	L-1/L-1	<100%	<100%	<100%	<100%	<100%	106%	<100%	102%	106%	<100%	<100%	<100%	<100%	
	GATES-MIDWAY 500KV [5990] & GATES-DIABLO 500KV [5960]	P6	L-1/L-1	<100%	<100%	139%	<100%	<100%	<100%	<100%	103%	<100%	<100%	<100%	<100%	<100%	
30765 LOSBANOS 230 30768 POLELINE 230 1 1	MANNING 500/230KV TB 2 & MANNING 500/230KV TB 1	P6	L-1/L-1	<100%	<100%	108%	<100%	<100%	<100%	<100%	<100%	104%	<100%	<100%	<100%	<100%	Interim operating solution.
300566 HRL_MDW_23 500 300567 HRL_MDW_24 500 2 1	GATES-MIDWAY 500KV [5990] & GATES-DIABLO 500KV [5960]	P6	L-1/L-1	<100%	<100%	124%	<100%	111%	103%	<100%	107%	<100%	<100%	115%	<100%	<100%	
300566 HRL_MDW_23 500 300567 HRL_MDW_24 500 2 1	GATES-MIDWAY 500KV [5990] & GATES-DIABLO 500KV [5960]	P6	L-1/L-1	<100%	<100%	123%	<100%	110%	102%	<100%	106%	<100%	<100%	114%	<100%	<100%	
300512 LB_GT_32 500 30055 GATES 500 3 1	MANNING-GATES 500KV 1[0] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	148%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
30050 LOSBANOS 500 300511 LB_GT_31 500 3 1	MANNING-GATES 500KV 1[0] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	147%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
300511 LB_GT_31 500 300512 LB_GT_32 500 3 1	MANNING-GATES 500KV 1[0] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	147%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
30040 TESLA D 500 30050 LOSBANOS 500 1 1	MANNING - METCALF 500 kV [0] & TRACY-LOSBANOS 500KV [6130]	P6	L-1/L-1	<100%	<100%	120%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
30040 TESLA D 500 30042 METCALF 500 1 1	METCALF-MOSSLANDING 500KV [6050] & MANNING - METCALF 500 kV	P6	L-1/L-1	<100%	<100%	<100%	107%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
30052 MANNING 500 300501 MNG_GAT_11 500 1 1	LOSBANOS-GATES 500KV 3[6000] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	148%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
	MANNING-HARLAN 500KV 2[0] & LOSBANOS-GATES 500KV 3[6000]	P6	L-1/L-1	<100%	<100%	146%	<100%	<100%	<100%	<100%	101%	101%	<100%	<100%	<100%	<100%	
300501 MNG_GAT_11 500 30055 GATES 500 1 1	LOSBANOS-GATES 500KV 3[6000] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	147%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
	MANNING-HARLAN 500KV 2[0] & LOSBANOS-GATES 500KV 3[6000]	P6	L-1/L-1	<100%	<100%	146%	<100%	<100%	<100%	<100%	101%	101%	<100%	<100%	<100%	<100%	
30935 ARCO 230 30970 MIDWAY-E 230 1 1	GATES-MIDWAY 500KV [5990] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	122%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
30055 GATES 500 30057 DIABLOCNYSS 500 1 1	GATES-MIDWAY 500KV [5990] & MANNING-HARLAN 500KV 2[0]	P6	L-1/L-1	<100%	<100%	117%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
30790 PANOCHÉ 230 30902 GATES E 230 2 1	LOSBANOS-GATES 500KV 3[6000] & MANNING-GATES 500KV 1[0]	P6	L-1/L-1	<100%	<100%	107%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Interim operating solution.
30060 MIDWAY 500 24593 MW_VINCNT_21 500 2 1	MIDWAY-WIRLWIND 500KV [0] & MIDWAY-VINCENT 500KV 1[0]	P6	L-1/L-1	<100%	<100%	112%	106%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
30060 MIDWAY 500 24591 MW_VINCNT_11 500 1 1	MIDWAY-WIRLWIND 500KV [0] & MIDWAY-VINCENT 500KV 2[0]	P6	L-1/L-1	<100%	<100%	136%	126%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
	MIDWAY-VINCENT 500KV 2[0] & MIDWAY-WIRLWIND 500KV [0]	P6	L-1/L-1	<100%	<100%	135%	132%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
30624 TESLA E 230 30670 WESTLEY 230 1 1	TESLA 500/230KV TB 2 & MANNING - METCALF 500 kV [0]	P6	L-1/L-1	<100%	<100%	<100%	104%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Continue to monitor.
300331 CV_TS_11 500 30041 TESLA E 500 1 1	OLINDA-TRACY 500KV [0] & TABLE MT-TESLA 500KV [6080]	P6	L-1/L-1	<100%	<100%	<100%	125%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
300053 FR_TM_22 500 300060 FERNROADSS 500 2 1	CAPTJACK-OLINDA 500KV [0] & ROUND MT-FERNROADSS 500KV 1[0]	P6	L-1/L-1	<100%	<100%	<100%	113%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
30015 TABLE MTN 500 30067 TABLE MTN6M 500 6 1	TABLE MTN 500/230KV TB 5 & TABLE MT-VACA 500KV [6090]	P6	L-1/L-1	<100%	<100%	<100%	108%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	Path flow adjustment or transmission solution.
30303 TABLE MTN E 230 30067 TABLE MTN6M 500 6 1	TABLE MTN 500/230KV TB 5 & TABLE MT-VACA 500KV [6090]	P6	L-1/L-1	<100%	<100%	<100%	104%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	
	MIDWAY 500/230KV TB 12 & MIDWAY 500/230KV TB 13	P6	L-1/L-1	<100%	<100%	<100%	<100%	121%	<100%	<100%	<100%	108%	<100%	106%	<100%	<100%	
30970 MIDWAY-E 230 30975 MIDWAY-R11 230 1 1	MIDWAY 500/230KV TB 12 & MALIN-ROUND MT 500KV 1[0]	P6	L-1/L-1	<100%	<100%	<100%	<100%	<100%	<100%	<100%	<100%	123%	<100%	<100%	<100%	<100%	Interim operating solution.
	MIDWAY 500/230KV TB 13 & MIDWAY 500/230KV TB 12	P6	L-1/L-1	<100%	<100%	<100%	<100%	120%	<100%	<100%	<100%	107%	<100%	107%	<100%	<100%	

Substation	Contingency (All and Worst P6)	Category	Category Description	High/Low Voltage	Voltage PU (Baseline Scenarios)										Voltage PU (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
					2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2036 Summer-Off Peak	2041 Greater Bay area Summer Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	
					None identified on the bulk system													



Substation	Contingency	Category	Category Description	Post Cont. Voltage Deviation % (Baseline Scenarios)										Post Cont. Voltage Deviation % (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2036 Summer-Off Peak	2041 Greater Bay area Summer Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	
None identified on the bulk system																	

Contingency	Category	Transient Stability Performance		Potential Mitigation Solutions
		Baseline Scenarios	Sensitivity Scenarios	
		2028 Spring Off-Peak	2028 Spring OP Sensitivity	
DIABLOCNYN2-1 25	p1_1-0	no issues	no issues	no issues
FAULT ONLY ROUND MT 500	p1_2-0	no issues	no issues	no issues
FAULT ONLY ROUND MT 500	p1_2-1	no issues	no issues	no issues
METCALF-MOSSLAND 500	p1_2-10	no issues	no issues	no issues
MOSSLAND-LOSBANOS 500	p1_2-11	no issues	no issues	no issues
LOSBANOS-GATES 500	p1_2-12	no issues	no issues	no issues
LOSBANOS-GATES 500	p1_2-13	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p1_2-14	no issues	no issues	no issues
GATES-DIABLOCNYNSS 500	p1_2-15	no issues	no issues	no issues
GATES-MIDWAY 500	p1_2-16	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p1_2-17	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p1_2-18	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_2-19	no issues	no issues	no issues
TABLEMTN-VACADIX 500	p1_2-2	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_2-20	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_2-21	no issues	no issues	no issues
TABLEMTN 500	p1_2-23	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
OLINDA-CAPTAIN JACK 500	p1_2-24	no issues	no issues	no issues
DALLASES-MOSSLAND 500	p1_2-25	no issues	no issues	no issues
ROUNDMT-MALIN 500	p1_2-26	TBD	TBD	Under review
ROUNDMT-MALIN 500	p1_2-27	TBD	TBD	Under review
TABLEMTN-TESLA 500	p1_2-3	no issues	no issues	no issues
OLINDA-TRACY 500	p1_2-4	no issues	no issues	no issues
VACADIX-TESLA 500	p1_2-5	no issues	no issues	no issues
TRACY-TESLA 500	p1_2-6	TBD	no issues	Under review
TRACY-LOSBANOS 500	p1_2-7	TBD	no issues	Under review
TESLA-METCALF 500	p1_2-8	no issues	no issues	no issues
TESLA-LOSBANOS 500	p1_2-9	no issues	no issues	no issues
OLINDA500/230	p1_3-0	no issues	no issues	no issues
FAULT ONLY TRACY 500	p1_3-1	TBD	no issues	Under review
METCALF500/230	p1_3-10	no issues	no issues	no issues
METCALF500/230	p1_3-11	no issues	no issues	no issues
METCALF500/230	p1_3-12	no issues	no issues	no issues
MOSSLAND500/230	p1_3-13	no issues	no issues	no issues
FAULT ONLY LOSBANOS 500	p1_3-14	no issues	no issues	no issues
FAULT ONLY GATES 500	p1_3-15	no issues	no issues	no issues
FAULT ONLY GATES 500	p1_3-16	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_3-17	no issues	no issues	no issues
MIDWAY500/230	p1_3-18	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_3-19	no issues	no issues	no issues
FAULT ONLY TRACY 500	p1_3-2	TBD	no issues	Under review
FAULT ONLY ROUND MT 500	p1_3-3	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p1_3-4	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p1_3-5	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p1_3-6	no issues	no issues	no issues
FAULT ONLY TESLA 500	p1_3-7	no issues	no issues	no issues
FAULT ONLY TESLA 500	p1_3-8	no issues	no issues	no issues
FAULT ONLY TESLA 500	p1_3-9	no issues	no issues	no issues
MN_RM_23 500 shunt	p1_4-0	TBD	TBD	Under review
CJ_OL_13 500 shunt	p1_4-1	TBD	TBD	Under review
FAULT ONLY TRACY 500	p1_4-10	TBD	no issues	Under review
FAULT ONLY METCALF 500	p1_4-11	no issues	no issues	no issues
MX_TR_11 500 shunt	p1_4-2	no issues	Potential WECC/NERC criteria violation	Under review
TM_TS_11 500 shunt	p1_4-3	no issues	no issues	no issues
OL_MX_11 500 shunt	p1_4-4	TBD	TBD	Under review
GATES 500 shunt	p1_4-6	no issues	no issues	no issues
MIDWAY 500 shunt	p1_4-7	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p1_4-8	no issues	no issues	no issues
FAULT ONLY OLINDA 500	p1_4-9	no issues	no issues	no issues
ROUNDMT-MALIN 500	p2_3-0	no issues	no issues	no issues
VACADIX-TESLA-LOSBANOS 500	p2_3-1	Potential WECC/NERC criteria violation	no issues	Under review
LOSBANOS-MIDWAY 500	p2_3-10	no issues	no issues	no issues
FAULT ONLY	p2_3-11	no issues	no issues	no issues
FAULT ONLY	p2_3-12	no issues	no issues	no issues

Contingency	Category	Transient Stability Performance		Potential Mitigation Solutions
		Baseline Scenarios	Sensitivity Scenarios	
		2028 Spring Off-Peak	2028 Spring OP Sensitivity	
TESLA-METCALF 500	p2_3-2	no issues	no issues	no issues
TESLA-METCALF 500 & METCALF500/230	p2_3-3	no issues	no issues	no issues
METCALF-MOSSLAND 500 & METCALF500/230	p2_3-4	no issues	no issues	no issues
MOSSLAND-LOSBANOS 500 & MOSSLAND500/230	p2_3-5	no issues	no issues	no issues
TRACY-LOSBANOS-GATES 500	p2_3-6	no issues	no issues	no issues
TESLA-LOSBANOS-GATES 500	p2_3-7	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p2_3-8	no issues	no issues	no issues
LOSBANOS-GATES-MIDWAY 500	p2_3-9	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_2-0	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_2-1	no issues	no issues	no issues
METCALF-MOSSLAND 500 & DIABLOCNYN2-1 25	p3_2-10	no issues	no issues	no issues
MOSSLAND-LOSBANOS 500 & DIABLOCNYN2-1 25	p3_2-11	no issues	no issues	no issues
LOSBANOS-GATES 500 & DIABLOCNYN2-1 25	p3_2-12	no issues	no issues	no issues
LOSBANOS-GATES 500 & DIABLOCNYN2-1 25	p3_2-13	no issues	no issues	no issues
LOSBANOS-MIDWAY 500 & DIABLOCNYN2-1 25	p3_2-14	no issues	no issues	no issues
GATES-DIABLOCNYNSS 500 & DIABLOCNYN2-1 25	p3_2-15	no issues	no issues	no issues
GATES-MIDWAY 500 & DIABLOCNYN2-1 25	p3_2-16	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500 & DIABLOCNYN2-1 25	p3_2-17	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500 & DIABLOCNYN2-1 25	p3_2-18	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_2-19	no issues	no issues	no issues
TABLEMTN-VACADIX 500 & DIABLOCNYN2-1 25	p3_2-2	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_2-20	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_2-21	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_2-22	no issues	no issues	no issues
TABLEMTN 500 & DIABLOCNYN2-1 25	p3_2-23	Potential WECC/NERC criteria violation	no issues	Under review
OLINDA-CAPTAIN_JACK 500 & DIABLOCNYN2-1 25	p3_2-24	TBD	TBD	Under review
DALLASES-MOSSLAND 500 & DIABLOCNYN2-1 25	p3_2-25	no issues	no issues	no issues
ROUNDMT-MALIN 500 & DIABLOCNYN2-1 25	p3_2-26	TBD	TBD	Under review
ROUNDMT-MALIN 500 & DIABLOCNYN2-1 25	p3_2-27	TBD	TBD	Under review
TABLEMTN-TESLA 500 & DIABLOCNYN2-1 25	p3_2-3	no issues	no issues	no issues
OLINDA-TRACY 500 & DIABLOCNYN2-1 25	p3_2-4	no issues	no issues	no issues
VACADIX-TESLA 500 & DIABLOCNYN2-1 25	p3_2-5	no issues	no issues	no issues
TRACY-TESLA 500 & DIABLOCNYN2-1 25	p3_2-6	TBD	no issues	Under review
TRACY-LOSBANOS 500 & DIABLOCNYN2-1 25	p3_2-7	TBD	no issues	Under review
TESLA-METCALF 500 & DIABLOCNYN2-1 25	p3_2-8	no issues	no issues	no issues
TESLA-LOSBANOS 500 & DIABLOCNYN2-1 25	p3_2-9	no issues	no issues	no issues
OLINDA500/230 & DIABLOCNYN2-1 25	p3_3-0	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-1	TBD	no issues	Under review
METCALF500/230 & DIABLOCNYN2-1 25	p3_3-10	no issues	no issues	no issues
METCALF500/230 & DIABLOCNYN2-1 25	p3_3-11	no issues	no issues	no issues
METCALF500/230 & DIABLOCNYN2-1 25	p3_3-12	no issues	no issues	no issues
MOSSLAND500/230 & DIABLOCNYN2-1 25	p3_3-13	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-14	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-15	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-16	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-17	no issues	no issues	no issues
MIDWAY500/230 & DIABLOCNYN2-1 25	p3_3-18	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-19	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-2	TBD	no issues	Under review
DIABLOCNYN2-1 25	p3_3-20	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-21	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-3	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-4	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-5	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-6	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-7	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-8	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_3-9	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_4-0	no issues	no issues	no issues

Contingency	Category	Transient Stability Performance		Potential Mitigation Solutions
		Baseline Scenarios	Sensitivity Scenarios	
		2028 Spring Off-Peak	2028 Spring OP Sensitivity	
DIABLOCNYN2-1 25	p3_4-1	no issues	no issues	no issues
DIABLOCNYN2-1 25	p3_4-2	TBD	no issues	Under review
DIABLOCNYN2-1 25	p3_4-3	no issues	no issues	no issues
MALIN-ROUNDMT 500	p6_1_1-0	no issues	no issues	no issues
ROUNDMT-MALIN 500	p6_1_1-1	no issues	no issues	no issues
TESLA-TABLEMTN 500	p6_1_1-10	no issues	no issues	no issues
TESLA-METCALF 500 & MOSSLAND-LOSBANOS 500	p6_1_1-100	Potential WECC/NERC criteria violation	no issues	Under review
TABLEMTN 500	p6_1_1-11	TBD	no issues	Under review
TABLEMTN-TESLA-VACADIX 500	p6_1_1-12	no issues	no issues	no issues
TABLEMTN-TESLA-TRACY 500	p6_1_1-13	no issues	no issues	no issues
TABLEMTN-TESLA-METCALF 500	p6_1_1-14	no issues	no issues	no issues
TABLEMTN-TESLA-LOSBANOS 500	p6_1_1-15	no issues	no issues	no issues
VACADIX-TESLA-TRACY 500	p6_1_1-16	no issues	no issues	no issues
VACADIX-TESLA-METCALF 500	p6_1_1-17	no issues	no issues	no issues
VACADIX-TESLA-LOSBANOS 500	p6_1_1-18	no issues	no issues	no issues
TRACY-TESLA-METCALF 500	p6_1_1-19	no issues	Potential WECC/NERC criteria violation	Under review
ROUNDMT-MALIN 500	p6_1_1-2	no issues	no issues	no issues
TRACY-TESLA-LOSBANOS 500	p6_1_1-20	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-TESLA-LOSBANOS 500	p6_1_1-21	no issues	no issues	no issues
TABLEMTN-VACADIX-TESLA 500	p6_1_1-22	no issues	no issues	no issues
TESLA-METCALF-MOSSLAND 500	p6_1_1-23	no issues	no issues	no issues
METCALF-MOSSLAND-LOSBANOS 500	p6_1_1-24	no issues	no issues	no issues
METCALF-MOSSLAND-DALLASES 500	p6_1_1-25	no issues	no issues	no issues
LOSBANOS-MOSSLAND-DALLASES 500	p6_1_1-26	no issues	no issues	no issues
TRACY-LOSBANOS-TESLA 500	p6_1_1-27	no issues	Potential WECC/NERC criteria violation	Under review
TRACY-LOSBANOS-MOSSLAND 500	p6_1_1-28	no issues	no issues	no issues
TRACY-LOSBANOS-GATES 500	p6_1_1-29	no issues	no issues	no issues
ROUNDMT-MALIN 500	p6_1_1-3	no issues	no issues	no issues
TRACY-LOSBANOS-GATES 500	p6_1_1-30	no issues	no issues	no issues
TRACY-LOSBANOS-MIDWAY 500	p6_1_1-31	no issues	no issues	no issues
TESLA-LOSBANOS-MOSSLAND 500	p6_1_1-32	no issues	no issues	no issues
TESLA-LOSBANOS-GATES 500	p6_1_1-33	no issues	no issues	no issues
TESLA-LOSBANOS-GATES 500	p6_1_1-34	no issues	no issues	no issues
TESLA-LOSBANOS-MIDWAY 500	p6_1_1-35	no issues	no issues	no issues
MOSSLAND-LOSBANOS-GATES 500	p6_1_1-36	no issues	no issues	no issues
MOSSLAND-LOSBANOS-GATES 500	p6_1_1-37	no issues	no issues	no issues
MOSSLAND-LOSBANOS-MIDWAY 500	p6_1_1-38	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_1-39	no issues	no issues	no issues
ROUNDMT-MALIN 500	p6_1_1-4	no issues	no issues	no issues
GATES-LOSBANOS-MIDWAY 500	p6_1_1-40	no issues	no issues	no issues
GATES-LOSBANOS & LOSBANOS-MIDWAY 500	p6_1_1-41	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_1-42	no issues	no issues	no issues
LOSBANOS-GATES-DIABLOCNYNSS 500	p6_1_1-43	no issues	no issues	no issues
LOSBANOS-GATES-MIDWAY 500	p6_1_1-44	no issues	no issues	no issues
LOSBANOS-GATES-DIABLOCNYNSS 500	p6_1_1-45	no issues	no issues	no issues
LOSBANOS-GATES-MIDWAY 500	p6_1_1-46	no issues	no issues	no issues
DIABLOCNYNSS-GATES-MIDWAY 500	p6_1_1-47	no issues	no issues	no issues
LOSBANOS-MIDWAY & MIDWAY-GATES 500	p6_1_1-48	no issues	no issues	no issues
LOSBANOS-MIDWAY-DIABLOCNYNSS 500	p6_1_1-49	no issues	no issues	no issues
ROUNDMT-MALIN 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-5	no issues	Potential WECC/NERC criteria violation	Under review
LOSBANOS-MIDWAY-DIABLOCNYNSS 500	p6_1_1-50	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p6_1_1-51	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p6_1_1-52	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p6_1_1-53	no issues	no issues	no issues
GATES-MIDWAY-DIABLOCNYNSS 500	p6_1_1-54	no issues	no issues	no issues
GATES-MIDWAY-DIABLOCNYNSS 500	p6_1_1-55	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-56	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-57	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-58	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500 & DIABLOCNYN1-1 25	p6_1_1-59	no issues	no issues	no issues
VACADIX-TABLEMTN-TESLA 500	p6_1_1-6	no issues	no issues	no issues

Contingency	Category	Transient Stability Performance		Potential Mitigation Solutions
		Baseline Scenarios	Sensitivity Scenarios	
		2028 Spring Off-Peak	2028 Spring OP Sensitivity	
DIABLOCNYNSS-MIDWAY 500	p6_1_1-60	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-61	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-62	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-63	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-64	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-65	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-66	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-67	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-68	no issues	no issues	no issues
GATES-DIABLOCNYNSS-MIDWAY 500 & DIABLOCNYN1-1 25	p6_1_1-69	no issues	no issues	no issues
TABLEMTN-VACADIX 500	p6_1_1-7	no issues	no issues	no issues
GATES-DIABLOCNYNSS-MIDWAY 500 & DIABLOCNYN1-1 25	p6_1_1-70	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500 & DIABLOCNYN1-1 25	p6_1_1-71	no issues	no issues	no issues
TRACY-OLINDA-CAPTAIN JACK 500	p6_1_1-72	no issues	no issues	no issues
OLINDA-TRACY-TESLA 500	p6_1_1-73	TBD	no issues	Under review
OLINDA-TRACY-LOSBANOS 500	p6_1_1-74	TBD	no issues	Under review
TESLA-TRACY-LOSBANOS 500	p6_1_1-75	TBD	Potential WECC/NERC criteria violation	Under review
MALIN-ROUNDMT 500	p6_1_1-76	no issues	no issues	no issues
TABLEMTN 500	p6_1_1-78	no issues	no issues	no issues
VACADIX-TABLEMTN 500	p6_1_1-8	no issues	no issues	no issues
TABLEMTN 500	p6_1_1-80	no issues	no issues	no issues
TABLEMTN 500	p6_1_1-81	no issues	no issues	no issues
TABLEMTN-TESLA 500	p6_1_1-9	no issues	no issues	no issues
MALIN-ROUNDMT 500	p6_1_2-0	no issues	no issues	no issues
FAULT ONLY ROUND MT 500	p6_1_2-1	no issues	no issues	no issues
TRACY-TESLA 500	p6_1_2-10	no issues	no issues	no issues
TESLA-METCALF 500	p6_1_2-11	no issues	no issues	no issues
TESLA-LOSBANOS 500	p6_1_2-12	no issues	no issues	no issues
TABLEMTN-VACADIX 500	p6_1_2-13	no issues	no issues	no issues
VACADIX-TESLA 500	p6_1_2-14	no issues	no issues	no issues
TESLA-METCALF 500 & METCALF500/230	p6_1_2-15	no issues	no issues	no issues
METCALF-MOSSLAND 500 & METCALF500/230	p6_1_2-16	no issues	no issues	no issues
METCALF-MOSSLAND 500 & MOSSLAND500/230	p6_1_2-17	no issues	Potential WECC/NERC criteria violation	Under review
MOSSLAND-LOSBANOS 500 & MOSSLAND500/230	p6_1_2-18	no issues	Potential WECC/NERC criteria violation	Under review
DALLASES-MOSSLAND 500 & MOSSLAND500/230	p6_1_2-19	no issues	Potential WECC/NERC criteria violation	Under review
ROUNDMT-MALIN 500	p6_1_2-2	no issues	no issues	no issues
TRACY-LOSBANOS 500	p6_1_2-20	no issues	no issues	no issues
TESLA-LOSBANOS 500	p6_1_2-21	no issues	no issues	no issues
MOSSLAND-LOSBANOS 500	p6_1_2-22	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_2-23	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_2-24	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p6_1_2-25	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_2-26	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_2-27	no issues	no issues	no issues
GATES-DIABLOCNYNSS 500	p6_1_2-28	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_2-29	no issues	no issues	no issues
ROUNDMT-MALIN 500	p6_1_2-3	no issues	no issues	no issues
LOSBANOS-MIDWAY 500	p6_1_2-30	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_2-31	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_2-32	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_2-33	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-34	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-35	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-36	no issues	no issues	no issues
OLINDA-TRACY 500 & OLINDA500/230	p6_1_2-37	no issues	no issues	no issues
OLINDA-CAPTAIN JACK 500 & OLINDA500/230	p6_1_2-38	no issues	no issues	no issues
OLINDA-TRACY 500	p6_1_2-39	TBD	no issues	Under review
TABLEMTN-VACADIX 500	p6_1_2-4	no issues	no issues	no issues
TRACY-TESLA 500	p6_1_2-40	TBD	no issues	Under review
TRACY-LOSBANOS 500	p6_1_2-41	TBD	no issues	Under review



Contingency	Category	Transient Stability Performance		Potential Mitigation Solutions
		Baseline Scenarios	Sensitivity Scenarios	
		2028 Spring Off-Peak	2028 Spring OP Sensitivity	
TABLEMTN 500	p6_1_2-45	no issues	no issues	no issues
TABLEMTN-TESLA 500	p6_1_2-5	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_1_2-6	no issues	no issues	no issues
TABLEMTN 500	p6_1_2-7	no issues	no issues	no issues
TABLEMTN-TESLA 500	p6_1_2-8	no issues	no issues	no issues
VACADIX-TESLA 500	p6_1_2-9	no issues	no issues	no issues
TABLEMTN-VACADIX 500	p6_1_3-0	no issues	no issues	no issues
TABLEMTN-TESLA 500	p6_1_3-1	no issues	no issues	no issues
TRACY-LOSBANOS 500	p6_1_3-10	TBD	no issues	Under review
FAULT ONLY TABLE MTN 500	p6_1_3-2	no issues	no issues	no issues
TABLEMTN 500	p6_1_3-3	no issues	no issues	no issues
TESLA-METCALF 500	p6_1_3-4	no issues	no issues	no issues
METCALF-MOSSLAND 500	p6_1_3-5	no issues	no issues	no issues
OLINDA-TRACY 500	p6_1_3-6	no issues	no issues	no issues
OLINDA-CAPTAIN_JACK 500	p6_1_3-7	no issues	no issues	no issues
OLINDA-TRACY 500	p6_1_3-8	TBD	no issues	Under review
TRACY-TESLA 500	p6_1_3-9	TBD	no issues	Under review
FAULT ONLY TESLA 500	p6_2_2-0	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p6_2_2-1	no issues	no issues	no issues
FAULT ONLY ROUND MT 500	p6_2_2-10	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_2_2-11	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_2_2-12	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p6_2_2-13	no issues	no issues	no issues
OLINDA500/230	p6_2_2-14	TBD	no issues	Under review
FAULT ONLY TRACY 500	p6_2_2-15	TBD	no issues	Under review
METCALF500/230	p6_2_2-16	no issues	no issues	no issues
FAULT ONLY TESLA 500	p6_2_2-17	no issues	no issues	no issues
FAULT ONLY TESLA 500	p6_2_2-18	no issues	no issues	no issues
METCALF500/230 & MOSSLAND500/230	p6_2_2-19	no issues	no issues	no issues
METCALF500/230 & METCALF500/230	p6_2_2-2	no issues	no issues	no issues
MOSSLAND500/230	p6_2_2-20	no issues	no issues	no issues
FAULT ONLY LOSBANOS 500	p6_2_2-21	no issues	no issues	no issues
FAULT ONLY LOSBANOS 500	p6_2_2-22	no issues	no issues	no issues
FAULT ONLY GATES 500	p6_2_2-24	no issues	no issues	no issues
FAULT ONLY GATES 500	p6_2_2-3	no issues	no issues	no issues
MIDWAY500/230	p6_2_2-4	no issues	no issues	no issues
FAULT ONLY TRACY 500	p6_2_2-5	TBD	no issues	Under review
FAULT ONLY TABLE MTN 500	p6_2_3-0	no issues	no issues	no issues
METCALF500/230	p6_2_3-1	no issues	no issues	no issues
OLINDA500/230	p6_2_3-2	no issues	no issues	no issues
FAULT ONLY TRACY 500	p6_2_3-3	TBD	no issues	Under review
PDCI Pole 1 & 2	p7_2-0	no issues	no issues	no issues
PALOVRD1-1 24 & PALOVRD2-1 24	p_ext-0	no issues	no issues	no issues
MALIN FAULT WITH PACIRAS SYSTEM SEPARATION	p_ext-10	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
FAULT ONLY MIDWAY 500	p_ext-11	no issues	no issues	no issues
TABLEMTN-VACADIX 500 & CORTINA-VACADIX-DELEVAN 230 & VACADYN-WINTERS 60	p_ext-12	no issues	no issues	no issues
VACADIX-TESLA 500 & LAMBIESWSTA-BDLSWSTA-PEABODY 230 & SHILOH3-SHILOH4 230	p_ext-13	no issues	no issues	no issues
GATES-LOSBANOS & LOSBANOS-MIDWAY 500	p_ext-14	no issues	no issues	no issues
GATES-MIDWAY-LOSBANOS 500 & GATESF-MIDWAYF 230 & ARCO-MIDWAYE 230	p_ext-15	no issues	no issues	no issues
FAULT ONLY	p_ext-2	no issues	no issues	no issues
FAULT ONLY	p_ext-3	no issues	no issues	no issues

2026-2027 ISO Reliability Assessment - Preliminary Study Results

Study Area:

PG&E Bulk

Transient Stability

Contingency	Category	Transient Stability Performance		Potential Mitigation Solutions
		Baseline Scenarios	Sensitivity Scenarios	
		2031 Summer Peak	2031 SP High CEC Forecast	
FAULT ONLY ROUND MT 500	p1_2-0	no issues	no issues	no issues
FAULT ONLY ROUND MT 500	p1_2-1	no issues	no issues	no issues
METCALF-MOSSLAND 500	p1_2-10	no issues	no issues	no issues
MOSSLAND-LOSBANOS 500	p1_2-11	no issues	no issues	no issues
LOSBANOS-GATES 500	p1_2-12	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
FAULT ONLY LOSBANOS 500	p1_2-13	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
FAULT ONLY LOSBANOS 500	p1_2-14	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
GATES-DIABLOCNYNSS 500	p1_2-15	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
GATES-MIDWAY 500	p1_2-16	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p1_2-17	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p1_2-18	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_2-19	no issues	no issues	no issues
VACADIX-TABLEMTN 500	p1_2-2	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_2-20	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_2-21	no issues	no issues	no issues
CAPTAIN_JACK-OLINDA 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p1_2-22	TBD	TBD	Under review
MALIN-ROUNDMT 500	p1_2-23	TBD	TBD	Under review
ROUNDMT-MALIN 500	p1_2-24	TBD	TBD	Under review
DALLASES-MOSSLAND 500	p1_2-27	no issues	no issues	no issues
TESLA-TABLEMTN 500	p1_2-3	no issues	no issues	no issues
OLINDA-TRACY 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p1_2-4	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p1_2-5	no issues	no issues	no issues
TRACY-TESLA 500	p1_2-6	no issues	no issues	no issues
TRACY-LOSBANOS 500	p1_2-7	no issues	no issues	no issues
TESLA-METCALF 500	p1_2-8	no issues	no issues	no issues
TESLA-LOSBANOS 500	p1_2-9	no issues	no issues	no issues
OLINDA500/230	p1_3-0	no issues	no issues	no issues
FAULT ONLY TRACY 500	p1_3-1	no issues	no issues	no issues
FAULT ONLY TESLA 500	p1_3-10	no issues	no issues	no issues
FAULT ONLY TESLA 500	p1_3-11	no issues	no issues	no issues
FAULT ONLY TESLA 500	p1_3-12	no issues	no issues	no issues
METCALF500/230	p1_3-13	no issues	no issues	no issues
METCALF500/230	p1_3-14	no issues	no issues	no issues
METCALF500/230	p1_3-15	no issues	no issues	no issues
MOSSLAND500/230	p1_3-16	no issues	no issues	no issues
FAULT ONLY LOSBANOS 500	p1_3-17	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
FAULT ONLY GATES 500	p1_3-18	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
FAULT ONLY GATES 500	p1_3-19	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
FAULT ONLY TRACY 500	p1_3-2	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_3-20	no issues	no issues	no issues
MIDWAY500/230	p1_3-21	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p1_3-22	no issues	no issues	no issues
FAULT ONLY GATES 500	p1_3-3	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY GATES 500	p1_3-4	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY ROUND MT 500	p1_3-5	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p1_3-6	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p1_3-7	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p1_3-8	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p1_3-9	no issues	no issues	no issues
MX_TR_11 500 shunt	p1_4-0	TBD	TBD	Under review
TM_TS_11 500 shunt	p1_4-1	no issues	no issues	no issues
FAULT ONLY METCALF 500	p1_4-10	no issues	no issues	no issues
OL_MX_11 500 shunt	p1_4-2	TBD	TBD	Under review
FAULT ONLY MIDWAY 500	p1_4-3	no issues	no issues	no issues
GATES 500 shunt	p1_4-4	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
MIDWAY 500 shunt	p1_4-5	no issues	no issues	no issues
CJ_OL_13 500 shunt	p1_4-6	TBD	TBD	Under review
FAULT ONLY TABLE MTN 500	p1_4-7	no issues	no issues	no issues
FAULT ONLY OLINDA 500	p1_4-8	no issues	no issues	no issues
FAULT ONLY TRACY 500	p1_4-9	no issues	no issues	no issues
ROUNDMT-MALIN 500	p2_3-0	no issues	no issues	no issues
TESLA-LOSBANOS 500	p2_3-1	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review

FAULT ONLY	p2_3-10	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY	p2_3-11	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY	p2_3-12	no issues	Potential WECC/NERC criteria violation	Under review
TESLA-METCALF 500	p2_3-2	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
TESLA-METCALF 500 & METCALF500/230	p2_3-3	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
METCALF-MOSSLAND 500 & METCALF500/230	p2_3-4	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
MOSSLAND-LOSBANOS 500 & MOSSLAND500/230	p2_3-5	no issues	Potential WECC/NERC criteria violation	Under review
TRACY-LOSBANOS 500	p2_3-6	no issues	no issues	no issues
TESLA-LOSBANOS-GATES 500	p2_3-7	no issues	no issues	no issues
FAULT ONLY	p2_3-8	no issues	no issues	no issues
GATES-MIDWAY 500	p2_3-9	no issues	no issues	no issues
MALIN-ROUNDMT 500 & COI PACIRAS CHIEF-JOE/MCNARY GEN SHEDDING	p6_1_1-0	no issues	no issues	no issues
MALIN-ROUNDMT 500	p6_1_1-1	no issues	no issues	no issues
TESLA-TABLEMTN 500	p6_1_1-10	no issues	no issues	no issues
TESLA-METCALF 500 & MOSSLAND-LOSBANOS 500	p6_1_1-100	no issues	Potential WECC/NERC criteria violation	Under review
TBL MTN FAULT with PACIRAS CHIEF-JOE/MCNARY GEN SHEDDING	p6_1_1-11	no issues	no issues	no issues
TESLA-TABLEMTN 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-12	no issues	Potential WECC/NERC criteria violation	Under review
TRACY-TESLA-TABLEMTN 500	p6_1_1-13	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-TESLA-TABLEMTN 500	p6_1_1-14	no issues	Potential WECC/NERC criteria violation	Under review
LOSBANOS-TESLA-TABLEMTN 500	p6_1_1-15	no issues	Potential WECC/NERC criteria violation	Under review
TRACY-TESLA 500	p6_1_1-16	no issues	Potential WECC/NERC criteria violation	Under review
TESLA-METCALF 500	p6_1_1-17	no issues	Potential WECC/NERC criteria violation	Under review
TESLA-LOSBANOS 500	p6_1_1-18	no issues	Potential WECC/NERC criteria violation	Under review
TRACY-TESLA-METCALF 500	p6_1_1-19	no issues	Potential WECC/NERC criteria violation	Under review
ROUNDMT-MALIN 500	p6_1_1-2	no issues	no issues	no issues
TRACY-TESLA-LOSBANOS 500	p6_1_1-20	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-TESLA-LOSBANOS 500	p6_1_1-21	no issues	Potential WECC/NERC criteria violation	Under review
VACADIX-TABLEMTN 500	p6_1_1-22	no issues	no issues	no issues
TESLA-METCALF-MOSSLAND 500	p6_1_1-23	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-MOSSLAND-LOSBANOS 500	p6_1_1-24	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-MOSSLAND-DALLASES 500	p6_1_1-25	no issues	Potential WECC/NERC criteria violation	Under review
LOSBANOS-MOSSLAND-DALLASES 500	p6_1_1-26	no issues	no issues	no issues
TRACY-LOSBANOS-TESLA 500	p6_1_1-27	Potential WECC/NERC criteria violation	no issues	Under review
TRACY-LOSBANOS-MOSSLAND 500	p6_1_1-28	Potential WECC/NERC criteria violation	no issues	Under review
TRACY-LOSBANOS-GATES 500	p6_1_1-29	Potential WECC/NERC criteria violation	no issues	Under review
MALIN-ROUNDMT 500	p6_1_1-3	no issues	no issues	no issues
TRACY-LOSBANOS 500	p6_1_1-30	Potential WECC/NERC criteria violation	no issues	Under review
TRACY-LOSBANOS 500	p6_1_1-31	Potential WECC/NERC criteria violation	no issues	Under review
TESLA-LOSBANOS-MOSSLAND 500	p6_1_1-32	Potential WECC/NERC criteria violation	no issues	Under review
TESLA-LOSBANOS-GATES 500	p6_1_1-33	Potential WECC/NERC criteria violation	no issues	Under review
TESLA-LOSBANOS 500	p6_1_1-34	Potential WECC/NERC criteria violation	no issues	Under review
TESLA-LOSBANOS 500	p6_1_1-35	Potential WECC/NERC criteria violation	no issues	Under review
MOSSLAND-LOSBANOS-GATES 500	p6_1_1-36	Potential WECC/NERC criteria violation	no issues	Under review
MOSSLAND-LOSBANOS 500	p6_1_1-37	Potential WECC/NERC criteria violation	no issues	Under review
MOSSLAND-LOSBANOS 500	p6_1_1-38	Potential WECC/NERC criteria violation	no issues	Under review
LOSBANOS-GATES 500	p6_1_1-39	Potential WECC/NERC criteria violation	no issues	Under review

ROUNDMT-MALIN 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-4	no issues	no issues	no issues
LOSBANOS-GATES 500	p6_1_1-40	Potential WECC/NERC criteria violation	no issues	Under review
OL_MX_12-MAXWELL 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-41	Potential WECC/NERC criteria violation	no issues	Under review
LOSBANOS-GATES 500	p6_1_1-42	no issues	no issues	no issues
LOSBANOS-GATES-DIABLOCNYNSS 500	p6_1_1-43	Potential WECC/NERC criteria violation	no issues	Under review
LOSBANOS-GATES-MIDWAY 500	p6_1_1-44	no issues	no issues	no issues
GATES-DIABLOCNYNSS 500	p6_1_1-45	Potential WECC/NERC criteria violation	no issues	Under review
GATES-MIDWAY 500	p6_1_1-46	no issues	no issues	no issues
DIABLOCNYNSS-GATES-MIDWAY 500	p6_1_1-47	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-48	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-49	no issues	no issues	no issues
ROUNDMT-MALIN 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-5	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-50	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-51	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-52	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-53	no issues	no issues	no issues
GATES-MIDWAY-DIABLOCNYNSS 500	p6_1_1-54	no issues	no issues	no issues
GATES-MIDWAY-DIABLOCNYNSS 500	p6_1_1-55	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-56	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-57	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_1-58	no issues	no issues	no issues
MIDWAY-DIABLOCNYNSS 500	p6_1_1-59	no issues	no issues	no issues
VACADIX-TABLEMTN-TESLA 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-6	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-60	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-61	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-62	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-63	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-64	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_1-65	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-66	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-67	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_1-68	no issues	no issues	no issues
GATES-DIABLOCNYNSS-MIDWAY 500	p6_1_1-69	no issues	no issues	no issues
VACADIX-TABLEMTN 500	p6_1_1-7	no issues	no issues	no issues
GATES-DIABLOCNYNSS-MIDWAY 500	p6_1_1-70	no issues	no issues	no issues
MIDWAY-DIABLOCNYNSS 500	p6_1_1-71	no issues	no issues	no issues
TRACY-OLINDA-CAPTAIN JACK 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_1-72	no issues	no issues	no issues
OLINDA-TRACY-TESLA 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_1-73	no issues	no issues	no issues
OLINDA-TRACY-LOSBANOS 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_1-74	no issues	no issues	no issues
TESLA-TRACY-LOSBANOS 500	p6_1_1-75	no issues	Potential WECC/NERC criteria violation	Under review
MALIN-ROUNDMT 500 WITH PACIRAS NW GEN SHEDDING	p6_1_1-76	Potential WECC/NERC criteria violation	no issues	Under review
VACADIX-TABLEMTN 500	p6_1_1-8	Potential WECC/NERC criteria violation	no issues	generator trip
NO FAULT WITH PACIRAS NW GEN SHEDDING	p6_1_1-81	Potential WECC/NERC criteria violation	no issues	Under review
TESLA-TABLEMTN 500	p6_1_1-9	Potential WECC/NERC criteria violation	no issues	generator trip
MALIN-ROUNDMT 500	p6_1_2-0	Potential WECC/NERC criteria violation	no issues	generator trip
FAULT ONLY ROUND MT 500	p6_1_2-1	Potential WECC/NERC criteria violation	no issues	generator trip
TRACY-TESLA 500	p6_1_2-10	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
TESLA-METCALF 500	p6_1_2-11	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
TESLA-LOSBANOS 500	p6_1_2-12	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
VACADIX-TABLEMTN 500	p6_1_2-13	Potential WECC/NERC criteria violation	no issues	generator trip
FAULT ONLY VACA-DIX 500	p6_1_2-14	Potential WECC/NERC criteria violation	no issues	generator trip
TESLA-METCALF 500 & METCALF500/230	p6_1_2-15	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-MOSSLAND 500 & METCALF500/230	p6_1_2-16	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-MOSSLAND 500 & MOSSLAND500/230	p6_1_2-17	no issues	Potential WECC/NERC criteria violation	Under review
MOSSLAND-LOSBANOS 500 & MOSSLAND500/230	p6_1_2-18	no issues	no issues	no issues
DALLASES-MOSSLAND 500 & MOSSLAND500/230	p6_1_2-19	no issues	Potential WECC/NERC criteria violation	Under review
MALIN-ROUNDMT 500	p6_1_2-2	no issues	no issues	no issues

TRACY-LOSBANOS 500	p6_1_2-20	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	multiple trips
TESLA-LOSBANOS 500	p6_1_2-21	Potential WECC/NERC criteria violation	no issues	Under review
MOSSLAND-LOSBANOS 500	p6_1_2-22	Potential WECC/NERC criteria violation	no issues	Under review
LOSBANOS-GATES 500	p6_1_2-23	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY LOSBANOS 500	p6_1_2-24	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY LOSBANOS 500	p6_1_2-25	Potential WECC/NERC criteria violation	no issues	Under review
LOSBANOS-GATES 500	p6_1_2-26	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY GATES 500	p6_1_2-27	Potential WECC/NERC criteria violation	no issues	Under review
GATES-DIABLOCNYNSS 500	p6_1_2-28	Potential WECC/NERC criteria violation	no issues	Oscillations
GATES-MIDWAY 500	p6_1_2-29	no issues	no issues	no issues
ROUNDMT-MALIN 500	p6_1_2-3	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-30	no issues	no issues	no issues
GATES-MIDWAY 500	p6_1_2-31	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_2-32	no issues	no issues	no issues
DIABLOCNYNSS-MIDWAY 500	p6_1_2-33	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-34	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-35	no issues	no issues	no issues
FAULT ONLY MIDWAY 500	p6_1_2-36	no issues	no issues	no issues
OLINDA-TRACY 500 & OLINDA500/230 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_2-37	no issues	no issues	no issues
CAPTAIN_JACK-OLINDA 500 & OLINDA500/230 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_2-38	no issues	no issues	no issues
OLINDA-TRACY 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_2-39	no issues	no issues	no issues
VACADIX-TABLEMTN 500	p6_1_2-4	no issues	no issues	no issues
TRACY-TESLA 500	p6_1_2-40	no issues	no issues	no issues
TRACY-LOSBANOS 500	p6_1_2-41	no issues	no issues	no issues
TESLA-TABLEMTN 500	p6_1_2-5	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_1_2-6	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_1_2-7	no issues	no issues	no issues
TESLA-TABLEMTN 500	p6_1_2-8	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY TESLA 500	p6_1_2-9	Potential WECC/NERC criteria violation	no issues	Under review
VACADIX-TABLEMTN 500	p6_1_3-0	no issues	no issues	no issues
TESLA-TABLEMTN 500	p6_1_3-1	no issues	no issues	no issues
TRACY-LOSBANOS 500	p6_1_3-10	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_1_3-2	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_1_3-3	no issues	no issues	no issues
TESLA-METCALF 500	p6_1_3-4	no issues	Potential WECC/NERC criteria violation	Under review
METCALF-MOSSLAND 500	p6_1_3-5	no issues	Potential WECC/NERC criteria violation	Under review
OLINDA-TRACY 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_3-6	no issues	Potential WECC/NERC criteria violation	Under review
CAPTAIN_JACK-OLINDA 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_3-7	no issues	no issues	no issues
OLINDA-TRACY 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	p6_1_3-8	no issues	no issues	no issues
TRACY-TESLA 500	p6_1_3-9	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_2_2-0	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY TESLA 500	p6_2_2-1	no issues	no issues	no issues
FAULT ONLY ROUND MT 500	p6_2_2-10	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_2_2-11	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_2_2-12	no issues	no issues	no issues
FAULT ONLY VACA-DIX 500	p6_2_2-13	no issues	no issues	no issues
OLINDA500/230	p6_2_2-14	no issues	no issues	no issues
FAULT ONLY TRACY 500	p6_2_2-15	no issues	no issues	no issues
METCALF500/230	p6_2_2-16	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY TESLA 500	p6_2_2-17	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY TESLA 500	p6_2_2-18	no issues	Potential WECC/NERC criteria violation	Under review
METCALF500/230 & MOSSLAND500/230	p6_2_2-19	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY VACA-DIX 500	p6_2_2-2	no issues	no issues	no issues
MOSSLAND500/230	p6_2_2-20	no issues	no issues	no issues
FAULT ONLY LOSBANOS 500	p6_2_2-21	Potential WECC/NERC criteria violation	no issues	Under review
FAULT ONLY LOSBANOS 500	p6_2_2-22	Potential WECC/NERC criteria violation	no issues	Under review

FAULT ONLY GATES 500	p6_2_2-24	Potential WECC/NERC criteria violation	no issues	Oscillations
METCALF500/230 & METCALF500/230	p6_2_2-3	no issues	Potential WECC/NERC criteria violation	Under review
FAULT ONLY GATES 500	p6_2_2-4	Potential WECC/NERC criteria violation	no issues	Oscillations
MIDWAY500/230	p6_2_2-5	no issues	no issues	no issues
FAULT ONLY TRACY 500	p6_2_2-6	no issues	no issues	no issues
FAULT ONLY TABLE MTN 500	p6_2_3-0	no issues	no issues	no issues
METCALF500/230	p6_2_3-1	no issues	Potential WECC/NERC criteria violation	Under review
OLINDA500/230	p6_2_3-2	no issues	no issues	no issues
FAULT ONLY TRACY 500	p6_2_3-3	no issues	no issues	no issues
BIG_EDDY 500 & SYLMAR1-SYLMAR220 230 & SYLMAR2-SYLMAR 230 WITH PACIRAS NW GEN SHEDDING	p7_2-0	Potential WECC/NERC criteria violation	no issues	Under review
PALOVDR1-1 24 & PALOVDR2-1 24	p_ext-0	no issues	Potential WECC/NERC criteria violation	Under review
MALIN FAULT WITH PACIRAS SYSTEM SEPARATION	p_ext-10	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Oscillations
FAULT ONLY MIDWAY 500	p_ext-11	no issues	no issues	no issues
VACADIX-TABLEMTN 500 & CORTINA-VACADIX-DELEVAN 230 & VACADIXN-WINTERS 60	p_ext-12	no issues	no issues	no issues
LAMBIESWSTA-BDLSWSTA-PEABODY 230 & SHILOH3-SHILOH4 230	p_ext-13	no issues	TBD	Under review
OL_MX_12-MAXWELL 500 RNDMTN-TBLMTN SC BYPASS	p_ext-14	Potential WECC/NERC criteria violation	TBD	Under review
GATES-MIDWAY 500 & GATESF-MIDWAYF 230 & ARCO-MIDWAYE 230	p_ext-15	no issues	TBD	Under review
FAULT ONLY	p_ext-2	no issues	TBD	Under review
FAULT ONLY	p_ext-3	no issues	TBD	Under review

2026-2027 ISO Reliability Assessment - Preliminary Study Results

Study Area: PG&E Bulk

Transient Stability



Contingency	Category	Baseline Scenarios		Potential Mitigation Solutions
		2036 Summer Peak	2036 Summer-Off Peak	
FAULT ONLY ROUND MT 500	P1_2-0	no issues		no issues
FAULT ONLY ROUND MT 500	P1_2-1	no issues		no issues
METCALF-MOSSLAND 500	P1_2-10	Potential WECC/NERC criteria violation		Under review
GROVE-METCALF 500	P1_2-11	Potential WECC/NERC criteria violation		Under review
MOSSLAND-LOSBANOS 500	P1_2-12	no issues		no issues
LOSBANOS-GATES 500	P1_2-13	no issues		no issues
LOSBANOS-MANNING 500	P1_2-14	no issues		no issues
LOSBANOS-MANNING 500	P1_2-15	no issues		no issues
MANNING 500	P1_2-16	no issues		no issues
MANNING-MIDWAY 500	P1_2-17	no issues		no issues
GATES-DIABLOCNYSS 500	P1_2-18	no issues		no issues
GATES-MIDWAY 500	P1_2-19	no issues		no issues
TABLEMTN-VACADIX 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	P1_2-2	no issues		no issues
DIABLOCNYSS-MIDWAY 500	P1_2-20	no issues		no issues
DIABLOCNYSS-MIDWAY 500	P1_2-21	no issues		no issues
MIDWAY 500	P1_2-22	no issues		no issues
MIDWAY 500	P1_2-23	no issues		no issues
MIDWAY 500	P1_2-24	no issues		no issues
CAPTAIN JACK-OLINDA 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	P1_2-25	TBD		Under review
ROUNDMT-MALIN 500	P1_2-26	no issues		no issues
ROUNDMT-MALIN 500	P1_2-27	no issues		no issues
TABLEMTN 500	P1_2-29	no issues		no issues
TABLEMTN-TESLAD 500	P1_2-3	no issues		no issues
DALLASES-MOSSLAND 500	P1_2-30	no issues		no issues
OLINDA-TRACY 500 & CJ_OL_13 500 shunt & OL_MX_11 500 shunt	P1_2-4	no issues		no issues
VACADIX 500 & COLLINSVILLE 500	P1_2-5	no issues		no issues
TRACY-TESLAD 500	P1_2-6	Potential WECC/NERC criteria violation		Under review
TRACY-LOSBANOS 500	P1_2-7	no issues		no issues
TESLAD-METCALF 500	P1_2-8	Potential WECC/NERC criteria violation		Under review
TESLAD-LOSBANOS 500	P1_2-9	Potential WECC/NERC criteria violation		Under review
OLINDA500/230	P1_3-0	no issues		no issues
FAULT ONLY TRACY 500	P1_3-1	no issues		no issues
FAULT ONLY VACA-DIX 500	P1_3-10	no issues		no issues
FAULT ONLY VACA-DIX 500	P1_3-11	no issues		no issues
FAULT ONLY TESLA D 500	P1_3-12	Potential WECC/NERC criteria violation		Under review
FAULT ONLY TESLA D 500	P1_3-13	Potential WECC/NERC criteria violation		Under review
FAULT ONLY TESLA D 500	P1_3-14	Potential WECC/NERC criteria violation		Under review
METCALF500/230	P1_3-15	Potential WECC/NERC criteria violation		Under review
METCALF500/230	P1_3-16	Potential WECC/NERC criteria violation		Under review
METCALF500/230	P1_3-17	Potential WECC/NERC criteria violation		Under review
MOSSLAND500/230	P1_3-18	no issues		no issues
FAULT ONLY LOSBANOS 500	P1_3-19	no issues		no issues
FAULT ONLY TRACY 500	P1_3-2	no issues		no issues
MANNING500/230	P1_3-20	no issues		no issues
MANNING500/230	P1_3-21	no issues		no issues
FAULT ONLY GATES 500	P1_3-22	no issues		no issues
FAULT ONLY GATES 500	P1_3-23	no issues		no issues
FAULT ONLY MIDWAY 500	P1_3-24	no issues		no issues
MIDWAY500/230	P1_3-25	no issues		no issues
FAULT ONLY MIDWAY 500	P1_3-26	no issues		no issues
FAULT ONLY GATES 500	P1_3-3	no issues		no issues
FAULT ONLY GATES 500	P1_3-4	no issues		no issues
FAULT ONLY ROUND MT 500	P1_3-5	no issues		no issues
FAULT ONLY TABLE MTN 500	P1_3-6	no issues		no issues
FAULT ONLY TABLE MTN 500	P1_3-7	no issues		no issues
CJ_OL_13 500 shunt	P1_4-0	TBD		Under review
MX_TR_11 500 shunt	P1_4-1	no issues		no issues
FAULT ONLY METCALF 500	P1_4-10	Potential WECC/NERC criteria violation		Under review
TM_TS_11 500 shunt	P1_4-2	no issues		no issues
OL_MX_11 500 shunt	P1_4-3	TBD		Under review
GATES 500 shunt	P1_4-4	no issues		no issues
MIDWAY 500 shunt	P1_4-5	no issues		no issues
FAULT ONLY MIDWAY 500	P1_4-6	no issues		no issues
FAULT ONLY TABLE MTN 500	P1_4-7	no issues		no issues

Single Contingency Load Drop

Worst Contingency	Category	Category Description	Amount of Load Drop (MW)													Potential Mitigation Solutions
			2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2036 Summer-Off Peak	2041 Greater Bay area Summer Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	

No single contingency resulted in total load drop of more than 250 MW

Substation	Load Served (MW)														Potential Mitigation Solutions
	2026 Summer Peak	2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2041 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2036 Summer-Off Peak	2041 Greater Bay area Summer Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	

No single source substation with more than 100 MW