

Overloaded Facility	Contingency Description	Contingency Code	Category Description	Loading % (Baseline Scenarios)							Loading % (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2025 Summer Peak	2028 Summer Peak	2035 Summer Peak	2025 Spring Off Peak	2028 Spring Off Peak	2035 Spring Off Peak	2035 Winter Off-Peak	2025 SP Heavy Renewable	2025 SOP Heavy Renewable & Min Gas Gen	2028 SP High CEC Forecast	
ROUND MT 500.0 - RM_TM_21 500.0 - 2	ROUND MT-RM_DRS #1 500KV LINE	P1_2-0	L-1	130%	127%	132%	<95%	<95%	<95%	<95%	126%	<95%	128%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
	TABLE MTN-RM_DRS #1 500KV LINE	P1_2-19	L-1	<95%	<95%	<95%	<95%	<95%	<95%	<95%	107%	<95%	<95%	
RM_TM_21 500.0 - FERN RD 500.0 - 2	ROUND MT-RM_DRS #1 500KV LINE	P1_2-0	L-1	115%	113%	117%	<95%	<95%	<95%	<95%	112%	<95%	113%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
ROUND MT 500.0 - RM_TM_11 500.0 - 1	ROUND MT-RM_DRS #2 500KV LINE	P1_2-1	L-1	130%	127%	132%	<95%	<95%	<95%	<95%	126%	<95%	128%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
	DIABLOYNSSSS GENERATOR & ROUND MT-RM_DRS #2 500KV LINE	P3_2-1	G-1/L-1	<95%	<95%	132%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
RM_TM_11 500.0 - FERN RD 500.0 - 1	TABLE MTN-RM_DRS #2 500KV LINE	P1_2-20	L-1	<95%	<95%	<95%	<95%	<95%	<95%	<95%	107%	<95%	<95%	
	ROUND MT-RM_DRS #2 500KV LINE	P1_2-1	L-1	115%	113%	117%	<95%	<95%	<95%	<95%	112%	<95%	113%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
TABLE MTN 500.0 - TM_VD_11 500.0 - 1	QUINDA-CAPTIAK #1 500KV LINE	P1_2-19	L-1	97%	<95%	112%	<95%	<95%	<95%	<95%	105%	<95%	<95%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
	QUINDA-TRACY #1 500KV LINE	P1_2-4	L-1	101%	96%	115%	<95%	<95%	<95%	<95%	108%	<95%	96%	
VACA-DIX 500.0 - TM_VD_12 500.0 - 1	TABLE MTN-TESLA #1 500KV LINE & TRACY-TESLA #1 500KV L	P6_1_1-13	L-1/L-1	<95%	<95%	109%	<95%	<95%	<95%	<95%	105%	<95%	<95%	Reduce series compensation on the Table-Vaca-Tesla 500 KV path.
	DIABLOYNSSSS GENERATOR & QUINDA-TRACY #1 500KV LINE	P3_2-4	G-1/L-1	<95%	<95%	115%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 2	QUINDA-CAPTIAK #1 500KV LINE	P1_2-19	L-1	96%	<95%	111%	<95%	<95%	<95%	<95%	104%	<95%	<95%	
	QUINDA-TRACY #1 500KV LINE	P1_2-4	L-1	99%	<95%	114%	<95%	<95%	<95%	<95%	107%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 1	QUINDA-TRACY #1 500KV LINE & QUINDA #1 500/230KV BANK	P6_1_2-37	L-1/T-1	102%	98%	117%	<95%	<95%	<95%	<95%	111%	<95%	98%	
	QUINDA-CAPTIAK #1 500KV LINE & QUINDA #1 500/230KV BA	P6_1_2-38	L-1/T-1	103%	98%	117%	<95%	<95%	<95%	<95%	111%	<95%	98%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 2	QUINDA-CAPTIAK #1 500KV LINE & QUINDA #1 500/230KV BA	P6_1_1-22	L-1/L-1	103%	98%	117%	<95%	<95%	<95%	<95%	111%	<95%	98%	
	TABLE MTN-TESLA #1 500KV LINE & TRACY-TESLA #1 500KV L	P6_1_1-13	L-1/L-1	<95%	<95%	108%	<95%	<95%	<95%	<95%	104%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 1	DIABLOYNSSSS GENERATOR & QUINDA-CAPTIAK #1 500KV LINE	P3_2-19	G-1/L-1	<95%	<95%	111%	<95%	<95%	<95%	<95%	<95%	<95%	102%	
	DIABLOYNSSSS GENERATOR & QUINDA-TRACY #1 500KV LINE	P3_2-4	G-1/L-1	<95%	<95%	114%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 1	QUINDA-TRACY #1 500KV LINE & QUINDA #1 500/230KV BANK	P6_1_2-37	L-1/T-1	96%	<95%	107%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	QUINDA-CAPTIAK #1 500KV LINE & QUINDA #1 500/230KV BA	P6_1_2-38	L-1/T-1	97%	<95%	107%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 2	QUINDA-TRACY #1 500KV LINE & QUINDA #1 500/230KV BA	P6_1_1-22	L-1/L-1	116%	114%	138%	<95%	<95%	<95%	<95%	113%	<95%	114%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
	ROUND MT-RM_DRS #1 500KV LINE & TABLE MTN-RM_DRS #1 50	P6_1_1-29	L-1/L-1	116%	114%	138%	<95%	<95%	<95%	<95%	113%	<95%	114%	
TABLE MTN 500.0 - RM_TM_22 500.0 - 1	TABLE MTN-RM_DRS #1 500KV LINE	P1_2-20	L-1	118%	115%	139%	<95%	<95%	<95%	<95%	114%	<95%	116%	
	QUINDA-TRACY #1 500KV LINE	P1_2-25	L-1	<95%	<95%	100%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
VINCENT 500.0 - MW_VINCENT_12 500.0 - 1	QUINDA-TRACY #1 500KV LINE	P1_2-4	L-1	<95%	<95%	105%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	TABLE MTN-TESLA #1 500KV LINE & TABLE MTN-RM_DRS #1 50	P6_1_1-13	L-1/L-1	<95%	<95%	110%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
RM_TM_22 500.0 - FERN RD 500.0 - 2	DIABLOYNSSSS GENERATOR & TABLE MTN-RM_DRS #1 500KV LINE	P3_2-20	G-1/L-1	<95%	<95%	139%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	TABLE MTN-RM_DRS #1 500KV LINE	P1_2-20	L-1	106%	103%	125%	<95%	<95%	<95%	<95%	103%	<95%	104%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
TABLE MTN 500.0 - RM_TM_12 500.0 - 1	DIABLOYNSSSS GENERATOR & TABLE MTN-RM_DRS #1 500KV LINE	P3_2-20	G-1/L-1	<95%	<95%	125%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	QUINDA-TRACY #1 500KV LINE & QUINDA #1 500/230KV BANK	P6_1_2-37	L-1/T-1	95%	<95%	106%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_12 500.0 - 1	QUINDA-CAPTIAK #1 500KV LINE & QUINDA #1 500/230KV BA	P6_1_2-38	L-1/T-1	96%	<95%	107%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	QUINDA-TRACY #1 500KV LINE & QUINDA-CAPTIAK #1 500KV	P6_1_1-72	L-1/L-1	96%	<95%	107%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_12 500.0 - 2	TABLE MTN-RM_DRS #2 500KV LINE	P1_2-21	L-1	117%	115%	139%	<95%	<95%	<95%	<95%	114%	<95%	116%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
	QUINDA-TRACY #1 500KV LINE	P1_2-4	L-1	<95%	<95%	104%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
TABLE MTN 500.0 - RM_TM_12 500.0 - 1	TABLE MTN-TESLA #1 500KV LINE & TABLE MTN-RM_DRS #2 50	P6_1_1-10	L-1/L-1	<95%	<95%	110%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	DIABLOYNSSSS GENERATOR & TABLE MTN-RM_DRS #2 500KV LINE	P3_2-21	G-1/L-1	<95%	<95%	139%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
RM_TM_12 500.0 - FERN RD 500.0 - 1	TABLE MTN-RM_DRS #2 500KV LINE	P1_2-21	L-1	106%	103%	125%	<95%	<95%	<95%	<95%	103%	<95%	104%	SPS to bypass series cap on remaining Round Mtn-Table Mtn 500KV line on overload.
	DIABLOYNSSSS GENERATOR & TABLE MTN-RM_DRS #2 500KV LINE	P3_2-21	G-1/L-1	<95%	<95%	125%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
LS PSTAS 230.0 - NEWARK D 230.0 - 1	VACA-DIX-TESLA #1 500KV LINE & TESLA-METCALF #1 500KV	P6_1_1-17	L-1/L-1	98%	99%	110%	<95%	<95%	<95%	<95%	<95%	<95%	100%	Eliminate excessive 230KV loop flow by redesignating generation.
	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500KV	P6_1_1-23	L-1/L-1	101%	101%	111%	<95%	<95%	<95%	96%	<95%	<95%	102%	
CAYETANO 230.0 - USWP/JRW_JCT 230.0 - 1	TESLA-METCALF & MOSSLAND-LOSANOS #1 500KV LINES	P6_1_1-100	L-1/L-1	102%	100%	120%	<95%	<95%	<95%	<95%	106%	<95%	102%	
	VACA-DIX-TESLA #1 500KV LINE & TESLA-METCALF #1 500KV	P6_1_1-17	L-1/L-1	96%	<95%	113%	<95%	<95%	<95%	<95%	100%	<95%	<95%	
NEWARK E 230.0 - NWK DIST 230.0 - 1	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500KV	P6_1_1-23	L-1/L-1	98%	96%	112%	<95%	<95%	<95%	<95%	104%	<95%	102%	
	VACA-DIX-TESLA #1 500KV LINE & TESLA #2 500/230KV BANK	P6_1_1-29	L-1/L-1	99%	<95%	118%	<95%	<95%	<95%	<95%	111%	<95%	115%	
NEWARK E 230.0 - NWK DIST 230.0 - 1	TABLE MTN-TESLA #1 500KV LINE & TESLA-METCALF #1 500KV	P6_1_1-14	L-1/L-1	<95%	<95%	99%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	Eliminate excessive 230KV loop flow by redesignating generation.
	VACA-DIX-TESLA #1 500KV LINE	P1_2-5	L-1	<95%	<95%	102%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
NEWARK E 230.0 - NWK DIST 230.0 - 1	TESLA-METCALF #1 500KV LINE & TESLA #2 500/230KV BANK	P6_1_2-11	L-1/T-1	<95%	<95%	103%	97%	<95%	<95%	95%	<95%	<95%	97%	
	VACA-DIX-TESLA #1 500KV LINE & TRACY-TESLA #1 500KV L	P6_1_1-16	L-1/L-1	<95%	<95%	105%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
NEWARK E 230.0 - NWK DIST 230.0 - 1	VACA-DIX-TESLA #1 500KV LINE & TESLA #2 500/230KV BANK	P6_1_2-11	L-1/T-1	<95%	<95%	105%	<95%	<95%	<95%	<95%	<95%	<95%	<95%	
	TESLA-METCALF & MOSSLAND-LOSANOS #1 500KV LINES	P6_1_1-100	L-1/L-1	97%	<95%	127%	109%	140%	<95%	100%	<95%	<95%	109%	
NEWARK E 230.0 - NWK DIST 230.0 - 1	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500KV	P6_1_1-23	L-1/L-1	<95%	95%	108%	<95%	<95%	<95%	<95%	<95%	<95%	96%	Continue to monitor.
	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500KV	P6_1_1-23	L-1/L-1	96%	96%	112%	<95%	<95%	<95%	<95%	<95%	<95%	98%	
METCALF 500.0 - METCALF 500.0 - 13	TESLA-METCALF & MOSSLAND-LOSANOS #1 500KV LINES	P6_1_1-100	L-1/L-1	98%	<95%	133%	115%	102%	99%	<95%	95%	115%	<95%	Continue to monitor.
	METCALF #11 & #12 500/230KV BANK	P6_2-2	L-1/L-1	116%	108%	129%	101%	114%	<95%	<95%	131%	100%	111%	Increase transformer capacity.
MIDWAY 500.0 - MW_WRLWIND_31 500.0 - 3	MIDWAY-VINCENT #1 500KV LINE & MIDWAY-VINCENT #2 500KV	P6_1_1-66	L-1/L-1	<95%	118%	<95%	<95%	<95%	<95%	<95%	99%	<95%	118%	Refer to south bulk result.
	MIDWAY-VINCENT #1 500KV LINE & MIDWAY-VINCENT #2 500KV	P6_1_1-66	L-1/L-1	<95%	140%	<95%	105%	<95%	<95%	<95%	118%	105%	140%	Refer to south bulk result.
MW_WRLWIND_32 500.0 - MW_WRLWIND_31 500.0 - 3	MIDWAY-VINCENT #1 500KV LINE & MIDWAY-WIRLWIND #3 500KV	P6_1_1-67	L-1/L-1	<95%	122%	<95%	<95%	<95%	<95%	<95%	104%	<95%	122%	Refer to south bulk result.
	VINCENT 500.0 - MW_VINCENT_22 500.0 - 2	P6_1_1-67	L-1/L-1	<95%	122%	<95%	<95%	<95%	<95%	<95%	104%	<95%	122%	Refer to south bulk result.
MIDWAY 500.0 - MW_VINCENT_21 500.0 - 2	MIDWAY-VINCENT #1 500KV LINE & MIDWAY-WIRLWIND #3 500KV	P6_1_1-67	L-1/L-1	<95%	122%	<95%	<95%	<95%	<95%	<95%	104%	<95%	122%	Refer to south bulk result.
	MIDWAY-VINCENT #1 500KV LINE & MIDWAY-WIRLWIND #3 500KV	P6_1_1-67	L-1/L-1	<95%	130%	<95%	<95%	<95%	<95%	<95%	110%	<95%	130%	Refer to south bulk result.
MIDWAY 500.0 - MW_VINCENT_21 500.0 - 2	MIDWAY-VINCENT #2 500KV LINE & MIDWAY-WIRLWIND #3 500KV	P6_1_1-68	L-1/L-1	<95%	122%	<95%	<95%	<95%	<95%	<95%	103%	<95%	122%	Refer to south bulk result.
	MIDWAY-VINCENT #2 500KV LINE & MIDWAY-WIRLWIND #3 500KV	P6_1_1-68	L-1/L-1	<95%	122%	<95								

TESLA C 2300 - PPASCT 2300 - 1	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500KV	P6 1 - 1-23	L-1/L-1	-95%	-95%	100%	-95%	-95%	-95%	-95%	-95%	-95%	-95%	Continue to monitor.
	TESLA-METCALF & MOSSLAND-LOSABOS #1 500KV LINES	P6 1_1-100	L-1/L-1	-95%	-95%	108%	-95%	-95%	-95%	-95%	-95%	-95%	-95%	
	TESLA-METCALF & MOSSLAND-LOSABOS #1 500KV LINE	P6 1-1-100	L-1/L-1	-95%	-95%	145%	-95%	-95%	197%	163%	145%	-95%	-95%	
	TRACY-TESLA #1 500KV LINE & TESLA-LOSABOS #1 500KV L	P6 1-1-29	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	-95%	-95%	
MOSSLSNW 2300 - LASAGULRECT 2300 - 1	TRACY-LOSABOS #1 500KV LINE & LOSABOS-GATES #3 500KV	P6 1-1-38	L-1/L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	-95%	-95%	
	TESLA-LOSABOS #1 500KV LINE & LOSABOS-GATES #3 500KV	P6 1-1-42	L-1/L-1	-95%	-95%	-95%	-95%	104%	-95%	-95%	-95%	-95%	-95%	
	METCALF-MOSSLAND #1 500KV LINE & MOSSLAND #9 500/230KV	P6 1-2-19	L-1/L-1	-95%	-95%	-95%	-95%	111%	-95%	-95%	-95%	-95%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE & MOSSLAND #9 500/230KV	P6 1-2-20	L-1/L-1	-95%	-95%	-95%	-95%	119%	-95%	-95%	-95%	-95%	-95%	
	TRACY-LOSABOS #1 500KV LINE & TESLA-LOSABOS #1 500KV	P6 1-1-36	L-1/L-1	-95%	-95%	-95%	-95%	120%	103%	-95%	-95%	-95%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE	P6 1-2-11	L-1	-95%	-95%	-95%	-95%	126%	111%	-95%	-95%	-95%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE & LOSABOS-GATES #3 500	P6 1-1-37	L-1/L-1	-95%	-95%	-95%	-95%	130%	118%	-95%	-95%	-95%	-95%	
	METCALF-MOSSLAND #1 500KV LINE & MOSSLAND-LOSABOS #1	P6 1-1-33	L-1/L-1	-95%	-95%	-95%	-95%	137%	128%	-95%	-95%	-95%	-95%	
	TRACY-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-37	L-1/L-1	-95%	-95%	-95%	-95%	156%	135%	101%	-95%	-95%	-95%	
	TESLA-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-41	L-1/L-1	-95%	-95%	-95%	-95%	167%	144%	108%	-95%	-95%	-95%	
	TESLA-METCALF & MOSSLAND-LOSABOS #1 500KV LINES	P6 1-1-100	L-1/L-1	-95%	-95%	96%	-95%	100%	107%	-95%	-95%	-95%	-95%	
	TRACY-LOSABOS #1 500KV LINE & LOSABOS-MANNING #1 500	P6 1-1-23	L-1/L-1	-95%	-95%	-95%	-95%	120%	107%	-95%	-95%	-95%	-95%	
	TESLA-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-41	L-1/L-1	-95%	-95%	-95%	-95%	108%	-95%	-95%	-95%	-95%	-95%	
	TESLA-METCALF & MOSSLAND-LOSABOS #1 500KV LINES	P6 1-1-100	L-1/L-1	-95%	-95%	96%	-95%	131%	107%	95%	-95%	-95%	-95%	
PANOCHO 2300 - LASAGULASS 2300 - 2	TRACY-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-37	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	-95%	-95%	
PANOCHO 2300 - LASAGULASS 2300 - 2	TRACY-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-41	L-1/L-1	-95%	-95%	-95%	-95%	109%	-95%	-95%	-95%	-95%	-95%	
METCALF 2300 - MOSSLNSW 2300 - 1	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500V	P6 1-1-23	L-1/L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	-95%	-95%	Continue to monitor.
METCALF 2300 - MOSSLNSW 2300 - 2	TESLA-METCALF #1 500KV LINE & METCALF-MOSSLAND #1 500K	P6 1-2-23	L-1/L-1	-95%	-95%	106%	-95%	-95%	-95%	95%	-95%	-95%	-95%	Continue to monitor.
TRACY 500.0 - TCY MP2 500.0 - 2	TRACY-TESLA #1 500KV LINE & TRACY #1 500/230KV BANK	P6 1-1-41	L-1/L-1	-95%	-95%	123%	-95%	-95%	-95%	-95%	101%	-95%	-95%	Continue to monitor.
TCY MP2 500.0 - TRCY PMP 2300.0 - 2	TRACY-TESLA #1 500KV LINE & TRACY #1 500/230KV BANK	P6 1-2-41	L-1/L-1	-95%	-95%	121%	-95%	-95%	-95%	-95%	100%	-95%	-95%	Continue to monitor.
GATES 500.0 - GT_MW_11 500.0 - 1	LOSABOS-GATES #1 500KV LINE & GATES-DIABLOCLYNNS #1 5	P6 1-1-45	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	101%	-95%	This is a series capacitor branch. Mitigate violation by closing the bypass switch. Remaining overhead handled by system redispach.
	DIABLOCLYNNS GENERATOR & GATES-DIABLOCLYNNS #1 500KV LINE	P6 1-1-45	L-1/L-1	-95%	-95%	-95%	-95%	103%	-95%	-95%	-95%	103%	-95%	
	GATES-DIABLOCLYNNS #1 500KV LINE & GATES #1 500/230KV	P6 1-2-28	L-1/L-1	-95%	-95%	-95%	-95%	111%	-95%	-95%	-95%	111%	-95%	
	LOSABOS-GATES #3 500KV LINE & GATES-DIABLOCLYNNS #1 5	P6 1-1-43	L-1/L-1	-95%	-95%	-95%	-95%	112%	-95%	-95%	-95%	112%	-95%	
	GATES-DIABLOCLYNNS #1 500KV LINE	P1 1-2-15	L-1	-95%	-95%	-95%	-95%	117%	-95%	-95%	-95%	117%	-95%	
	LOSABOS-MIDWAY #1 500KV LINE	P1 2-14	L-1	-95%	-95%	-95%	-95%	131%	-95%	-95%	-95%	131%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS-MIDWAY #1 5	P6 1-1-38	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	101%	-95%	
	LOSABOS-MIDWAY #1 500KV LINE	P1 2-14	L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%	Continue to monitor.
	LOSABOS-MIDWAY #1 500KV LINE & MIDWAY #1 500/230KV B	P6 1-2-30	L-1/L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%	
	GATES-MIDWAY #1 500KV LINE	P1 2-16	L-1	-95%	-95%	-95%	-95%	108%	-95%	-95%	-95%	108%	-95%	
	LOSABOS-MIDWAY #1 500KV LINE & GATES-MIDWAY #1 500KV	P6 1-1-48	L-1/L-1	-95%	-95%	-95%	-95%	127%	-95%	-95%	-95%	127%	-95%	Continue to monitor.
	GATES #11 & #12 500/230KV BANK	P6 2-2-3	L-1/L-1	-95%	-95%	-95%	-95%	146%	-95%	-95%	-95%	100%	146%	-95%
	GATES-DIABLOCLYNNS #1 500KV LINE & GATES-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	165%	-95%	-95%	-95%	165%	-95%	
	GATES-MIDWAY #1 500KV LINE	P1 2-16	L-1	-95%	-95%	-95%	-95%	120%	-95%	-95%	-95%	110%	120%	-95%
GATES #11 & #12 500/230KV BANK	P6 1-2-3	L-1/L-1	-95%	-95%	-95%	-95%	142%	-95%	-95%	-95%	100%	142%	-95%	
ARC0 2300 - MIDWAY-E 2300.0 - 1	GATES-DIABLOCLYNNS #1 500KV LINE & GATES-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	158%	-95%	-95%	-95%	158%	-95%	Continue to monitor.
LB_MW_11 500.0 - LB_MW_12 500.0 - 1	GATES-MIDWAY #1 500KV LINE	P1 2-16	L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%	
	LOSABOS-GATES #1 500KV LINE & GATES-MIDWAY #1 500KV L	P6 1-1-46	L-1/L-1	-95%	-95%	-95%	-95%	108%	-95%	-95%	-95%	108%	-95%	Continue to monitor.
	LOSABOS-GATES #3 500KV LINE & LOSABOS-GATES #1 500KV	P6 1-1-39	L-1/L-1	-95%	-95%	-95%	-95%	109%	-95%	-95%	-95%	109%	-95%	
	GATES-DIABLOCLYNNS #1 500KV LINE & GATES-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	126%	-95%	-95%	-95%	126%	-95%	
	GATES-MIDWAY #1 500KV LINE	P1 2-16	L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%	
	LOSABOS-GATES #1 500KV LINE & GATES-MIDWAY #1 500KV L	P6 1-1-46	L-1/L-1	-95%	-95%	-95%	-95%	108%	-95%	-95%	-95%	108%	-95%	
	LOSABOS-GATES #3 500KV LINE & LOSABOS-GATES #1 500KV	P6 1-1-39	L-1/L-1	-95%	-95%	-95%	-95%	109%	-95%	-95%	-95%	109%	-95%	Continue to monitor.
	GATES-DIABLOCLYNNS #1 500KV LINE & GATES-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	126%	-95%	-95%	-95%	126%	-95%	
	GATES-MIDWAY #1 500KV LINE	P1 2-16	L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%	
	LOSABOS-MIDWAY #1 500KV LINE & LOSBANS-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	156%	-95%	-95%	-95%	156%	-95%	
	LOSABOS-MIDWAY #1 500KV LINE & LOSBANS #1 500/230KV	P6 1-2-25	L-1/L-1	-95%	-95%	-95%	-95%	100%	-95%	-95%	-95%	100%	-95%	
	LOSABOS-GATES #1 500KV LINE & LOSBANS #1 500/230KV B	P6 1-2-24	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	100%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS #1 500/230KV	P6 1-2-22	L-1/L-1	-95%	-95%	-95%	-95%	108%	-95%	-95%	-95%	107%	-95%	Continue to monitor.
	LOSABOS-GATES #3 500KV LINE & LOSBANS-GATES #1 500KV	P6 1-1-39	L-1/L-1	-95%	-95%	-95%	-95%	111%	-95%	-95%	-95%	114%	-95%	
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS-GATES #3 50	P6 1-1-45	L-1/L-1	-95%	-95%	-95%	-95%	100%	-95%	-95%	-95%	95%	-95%		
TESLA-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-32	L-1/L-1	-95%	-95%	-95%	-95%	99%	100%	-95%	-95%	99%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS-MIDWAY #1 5	P6 1-1-38	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	101%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS-GATES #1 50	P6 1-1-37	L-1/L-1	-95%	-95%	-95%	-95%	101%	-95%	-95%	-95%	101%	-95%		
TRACY-LOSABOS #1 500KV LINE & LOSBANS #1 500/230KV B	P6 1-2-20	L-1/L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%		
TESLA-METCALF & MOSSLAND-LOSABOS #1 500KV LINES	P6 1-1-100	L-1/L-1	-95%	-95%	-95%	-95%	103%	98%	-95%	-95%	103%	103%	-95%	
TESLA-LOSABOS #1 500KV LINE & LOSBANS #1 500/230KV B	P6 1-2-21	L-1/L-1	-95%	-95%	-95%	-95%	104%	-95%	-95%	-95%	104%	-95%		
LOSABOS-GATES #3 500KV LINE & LOSBANS-MIDWAY #1 500K	P6 1-1-40	L-1/L-1	-95%	-95%	-95%	-95%	106%	99%	-95%	-95%	106%	106%	-95%	
LOSABOS-MIDWAY #1 500KV LINE & LOSBANS #1 500/230KV	P6 1-1-25	L-1/L-1	-95%	-95%	-95%	-95%	106%	102%	-95%	-95%	106%	102%	Continue to monitor.	
LOSABOS-GATES #1 500KV LINE & LOSBANS #1 500/230KV B	P6 1-2-22	L-1/L-1	-95%	-95%	-95%	-95%	107%	-95%	-95%	-95%	107%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS #1 500/230KV	P6 1-2-22	L-1/L-1	-95%	-95%	-95%	-95%	114%	-95%	-95%	-95%	114%	-95%		
LOSABOS-GATES #3 500KV LINE & LOSBANS-GATES #1 500KV	P6 1-1-39	L-1/L-1	-95%	-95%	-95%	-95%	121%	99%	-95%	-95%	121%	-95%		
TRACY-LOSABOS #1 500KV LINE & LOSBANS-GATES #3 500KV	P6 1-1-38	L-1/L-1	-95%	-95%	-95%	-95%	102%	-95%	-95%	-95%	102%	-95%		
TESLA-LOSABOS #1 500KV LINE & LOSBANS-GATES #3 500KV	P6 1-1-42	L-1/L-1	-95%	-95%	-95%	-95%	103%	-95%	-95%	-95%	103%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS-GATES #3 50	P6 1-1-45	L-1/L-1	-95%	-95%	-95%	-95%	107%	-95%	-95%	-95%	107%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS-MIDWAY #1 5	P6 1-1-38	L-1/L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	102%	-95%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE	P1 2-11	L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	102%	-95%	-95%		
GATES #11 & #12 500/230KV BANK	P6 1-2-3	L-1/L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	106%	-95%	-95%		
MOSSLAND-LOSABOS #1 500KV LINE & LOSBANS #1 500/230K	P6 1-2-28	L-1/L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	106%	-95%	-95%	Continue to monitor.	
METCALF-MOSSLAND #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-32	L-1/L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	110%	-95%	-95%		
TESLA-LOSABOS #1 500KV LINE & MOSSLAND-LOSABOS #1 50	P6 1-1-24	L-1/L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	121%	-95%	-95%		
GATES #3 500KV LINE & LOSBANS-MIDWAY #1 500K	P6 1-1-40	L-1/L-1	-95%	-95%	-95%	-95%	114%	-95%	-95%	-95%	114%	-95%	System redispach	
GATES-DIABLOCLYNNS #1 500KV LINE & LOSBANS #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	130%	-95%	-95%	-95%	130%	-95%	System redispach	
MIDWAY 500.0 - LB_MW_13 500.0 - 1	GATES-DIABLOCLYNNS #1 500KV LINE & GATES-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	131%	-95%	-95%	-95%	131%	-95%	System redispach
GATES F 2300 - ARCO 2300.0 - 1	GATES-DIABLOCLYNNS #1 500KV LINE & GATES-MIDWAY #1 500	P6 1-1-47	L-1/L-1	-95%	-95%	-95%	-95%	106%	96%	-95%	-95%	106%	-95%	System redispach
GATES 500.0 - DIABLOCLYNNS 500.0 - 1	LOSABOS-MIDWAY #1 500KV LINE & GATES-MIDWAY #1 500KV	P6 1-1-48	L-1/L-1	-95%	-95%	-95%	-95%	105%	-95%	-95%	-95%	105%	-95%	System redispach
TESLA E 2 500/230KV TRANSFORMER	GATES #11 & #12 500/230KV BANK	P6 2-2-3	L-1/L-1	-95%	-95%	-95%	-95%	120%	-95%	-95%	-95%	124%	120%	-95%
	TESLA E 2 500/230KV TRANSFORMER	P6 3-10	L-1	-95%	-95%	-95%	-95%	-95%	-95%	-95%	-95%	-95%	-95%	
	TRACY #1 & #2 500/230KV BANK	P6 2-2-6	L-1/L-1	-95%	-95%	-95%	-95%	104%	-95%	-95%	-95%	95%	-95%	
	GATES F #12 500/230KV TRANSFORMER	P1 3-19	L-1	-95%	-95%	-95%	-95%	107%	-95%	-95%	96%	-95%	-95%	
	METCALF-MOSSLAND #1 500KV LINE	P1 2-10	L-1	-95%	-95%	-95%	-95%	107%	-95%	-95%	-95%	95%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE & DALLASES-MOSSLAND #1	P6 1-1-35	L-1/L-1	-95%	-95%	-95%	-95%	114%	-95%	-95%	-95%	95%	-95%	
	LOSABOS-GATES #3 500KV LINE	P1 2-12	L-1	-95%	-95%	-95%	-95%	115%	-95%	-95%	-95%	115%	-95%	
	PACIFIC INTERIE (N25)	P7 2-0	L-2	-95%	-95%	-95%	-95%	115%	-95%	-95%	-95%	95%	-95%	
	MOSSLAND-LOSABOS #1 500KV LINE	P1 2-11	L-1	-95%	-95%	-95%	-95%	117%	-95%	-95%	-95%	95%	-95%	
	TRACY-LOSABOS #1 500KV LINE													

[illegible]

Study Area: PG&E Bulk System



Note: Reliability assessment for 2035 scenarios will be re-run as part of the Policy study with Humboldt offshore wind interconnection alternative(s).

[illegible]

2023-2024 ISO Reliability Assessment - Preliminary Study Results

Study Area:

PG&E Bulk System

Transient Stability



Note: Reliability assessment for 2035 scenarios will be re-run as part of the Policy study with Humboldt offshore wind interconnection alternative(s).

Contingency	Category	Category Description	2025-SOP	2028-HS	2025-SOP-HighRE	2028-HS-HighCEC	Project & Potential Mitigation Solutions
P_EXT-10. PATH 66 COI TRIPLE LINE OUTAGE	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P_EXT-11. PATH 26 TRIPLE LINE OUTAGE	P1	L-1	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	Under review
P_EXT-12. TABLE - VACA 500 + OTHERS	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P_EXT-15. GATES - MIDWAY 500KV + OTHERS	P1	L-1	Potential WECC/NERC criteria violation	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P1_2-19. MIDWAY-VINCENT #1 500KV LINE	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Re-evaluate with increased pre-contingency var support at Monta Visa, Saratoga, etc at 230KV
P1_2-2. TABLE MTN-VACA-DIX #1 500KV LINE	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Re-evaluate with increased pre-contingency var support at Monta Vista 230KV in 2035 scenarios
P1_2-20. MIDWAY-VINCENT #2 500KV LINE	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Variance with P1_2-19 requires investigation
P1_2-21. MIDWAY-WIRLWIND #3 500KV LINE	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Comparable results as P1_2-20
P1_2-3. TABLE MTN-TESLA #1 500KV LINE	P1	L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-0. ROUND MT-RM_DRS #1 500KV LINE & ROUND MT-RM_DRS #2 500	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-1. ROUND MT-RM_DRS #1 500KV LINE & ROUND MT-MALIN #1 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-10. TABLE MTN-TESLA #1 500KV LINE & TABLE MTN-RM_DRS #2 50	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-12. TABLE MTN-TESLA #1 500KV LINE & VACA-DIX-TESLA #1 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-13. TABLE MTN-TESLA #1 500KV LINE & TRACY-TESLA #1 500KV L	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	May need additional dynamic reactive support in the Bay Area
P6_1_1-14. TABLE MTN-TESLA #1 500KV LINE & TESLA-METCALF #1 500KV	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	May need additional dynamic reactive support in the Bay Area
P6_1_1-15. TABLE MTN-TESLA #1 500KV LINE & TESLA-LOSANOS #1 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	May need additional dynamic reactive support in the Bay Area
P6_1_1-22. TABLE MTN-VACA-DIX #1 500KV LINE & VACA-DIX-TESLA #1 5	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-3. ROUND MT-RM_DRS #2 500KV LINE & ROUND MT-MALIN #1 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-48. LOSANOS-MIDWAY #1 500KV LINE & GATES-MIDWAY #1 500KV	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-49. LOSANOS-MIDWAY #1 500KV LINE & DIABLOCNYNSS-MIDWAY #2	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-50. LOSANOS-MIDWAY #1 500KV LINE & DIABLOCNYNSS-MIDWAY #3	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-51. LOSANOS-MIDWAY #1 500KV LINE & MIDWAY-VINCENT #1 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-52. LOSANOS-MIDWAY #1 500KV LINE & MIDWAY-VINCENT #2 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-53. LOSANOS-MIDWAY #1 500KV LINE & MIDWAY-WIRLWIND #3 500	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-54. GATES-MIDWAY #1 500KV LINE & DIABLOCNYNSS-MIDWAY #2 50	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-55. GATES-MIDWAY #1 500KV LINE & DIABLOCNYNSS-MIDWAY #3 50	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-56. GATES-MIDWAY #1 500KV LINE & MIDWAY-VINCENT #1 500KV L	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-57. GATES-MIDWAY #1 500KV LINE & MIDWAY-VINCENT #2 500KV L	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-58. GATES-MIDWAY #1 500KV LINE & MIDWAY-WIRLWIND #3 500KV	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-59. DIABLOCNYNSS-MIDWAY #2 500KV LINE & DIABLOCNYNSS-MIDWA	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-60. DIABLOCNYNSS-MIDWAY #2 500KV LINE & MIDWAY-VINCENT #1	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-61. DIABLOCNYNSS-MIDWAY #2 500KV LINE & MIDWAY-VINCENT #2	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-62. DIABLOCNYNSS-MIDWAY #2 500KV LINE & MIDWAY-WIRLWIND #3	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-63. DIABLOCNYNSS-MIDWAY #3 500KV LINE & MIDWAY-VINCENT #1	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-64. DIABLOCNYNSS-MIDWAY #3 500KV LINE & MIDWAY-VINCENT #2	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-65. DIABLOCNYNSS-MIDWAY #3 500KV LINE & MIDWAY-WIRLWIND #3	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-66. MIDWAY-VINCENT #1 500KV LINE & MIDWAY-VINCENT #2 500KV	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-67. MIDWAY-VINCENT #1 500KV LINE & MIDWAY-WIRLWIND #3 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-68. MIDWAY-VINCENT #2 500KV LINE & MIDWAY-WIRLWIND #3 500K	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review

P6_1_1-7. TABLE MTN-VACA-DIX #1 500KV LINE & TABLE MTN-RM_DRS #1	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-72. OLINDA-TRACY #1 500KV LINE & OLINDA-CAPTJACK #1 500KV	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-76. ROUND MT-RM_DRS #1 500KV LINE & ROUND MT-RM_DRS #2 500	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-8. TABLE MTN-VACA-DIX #1 500KV LINE & TABLE MTN-RM_DRS #2	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_1-9. TABLE MTN-TESLA #1 500KV LINE & TABLE MTN-RM_DRS #1 50	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-13. TABLE MTN-VACA-DIX #1 500KV LINE & VACA-DIX #11 500/23	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-2. ROUND MT-MALIN #1 500KV LINE & ROUND MT #1 500/230KV B	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-30. LOSBANOS-MIDWAY #1 500KV LINE & MIDWAY #11 500/230KV B	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-31. GATES-MIDWAY #1 500KV LINE & MIDWAY #11 500/230KV BANK	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-32. DIABLOCNYNSS-MIDWAY #2 500KV LINE & MIDWAY #11 500/230	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-33. DIABLOCNYNSS-MIDWAY #3 500KV LINE & MIDWAY #11 500/230	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-34. MIDWAY-VINCENT #1 500KV LINE & MIDWAY #11 500/230KV BA	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-35. MIDWAY-VINCENT #2 500KV LINE & MIDWAY #11 500/230KV BA	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-36. MIDWAY-WIRLWIND #3 500KV LINE & MIDWAY #11 500/230KV B	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-38. OLINDA-CAPTJACK #1 500KV LINE & OLINDA #1 500/230KV BA	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-4. TABLE MTN-VACA-DIX #1 500KV LINE & TABLE MTN #5 500/23	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-5. TABLE MTN-TESLA #1 500KV LINE & TABLE MTN #5 500/230KV	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_2-8. TABLE MTN-TESLA #1 500KV LINE & TESLA #2 500/230KV BAN	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	May need additional dynamic reactive support in the Bay Area
P6_1_3-0. TABLE MTN-VACA-DIX #1 500KV LINE & TABLE MTN 500KV SHU	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_3-1. TABLE MTN-TESLA #1 500KV LINE & TABLE MTN 500KV SHUNT	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_1_3-7. OLINDA-CAPTJACK #1 500KV LINE & OLINDA 500KV SHUNT	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review
P6_2_2-5. TRACY #1 & #2 500/230KV BANK	P6	L-1/L-1	no issues	Potential WECC/NERC criteria violation	no issues	Potential WECC/NERC criteria violation	Under review

2023-2024 ISO Reliability Assessment - Preliminary Study Results

Study Area: PG&E Bulk System

Single Contingency Load Drop

Worst Contingency	Category	Category Description	Amount of Load Drop (MW)											Potential Mitigation Solutions
			2025 Summer Peak	2028 Summer Peak	2035 Summer Peak	2025 Spring Off Peak	2028 Spring Off Peak	2035 Spring Off Peak	2035 Winter Peak	2025 SP Heavy Renewable	2025 SOP Heavy Renewable & Min Gas Gen	2028 SP High CEC Forecast	2035-SP-HalfSC	

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

2023-2024 ISO Reliability Assessment - Preliminary Study Results

Study Area: PG&E Bulk System

Single Source Substation with more than 100 MW Load

Substation	Load Served (MW)											Potential Mitigation Solutions
	2025 Summer Peak	2028 Summer Peak	2035 Summer Peak	2025 Spring Off Peak	2028 Spring Off Peak	2035 Spring Off Peak	2035 Winter Peak	2025 SP Heavy Renewable	2025 SOP Heavy Renewable & Min Gas Gen	2028 SP High CEC Forecast	2035-SP-HalfSC	

No single source substation with more than 100 MW