

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	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
TEMPLETON-14C19595S 230kV	MORRO BAY-SOLAR SW STA #1 230KV and ESTRELLA-CALFLATSSS #1 230KV	P6	N-1-1	< 100	< 100	114	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
	MORROBAY-SOLARSS 230 KV LINE NO. 1 & 2	P7	DCTL	NA	NA	108	NA	NA	<100	NA	NA	<100	NA	NA	NA	Continue to monitor	
	SOLAR SW STA 230KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	NA	NA	109	NA	NA	<100	NA	NA	<100	NA	NA	NA	Install redundant battery/relay supply	
	MIDWAY-CAINTESS 230 KV LINE NO. 1 & 2	P7	DCTL	NA	NA	104	NA	NA	<100	NA	NA	<100	NA	NA	NA	Continue to monitor	
	SOLARSS-CAINTESS 230 KV LINE NO. 1 & 2	P7	DCTL	NA	NA	105	NA	NA	<100	NA	NA	<100	NA	NA	NA	Continue to monitor	
	CALENTE 230KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	NA	NA	105	NA	NA	<100	NA	NA	<100	NA	NA	NA	Install redundant battery/relay supply	
ESTRELLA-CALFLATSSS 230KV	MORRO BAY-SOLAR SW STA #1 230KV and TEMPLETON-14C19595S #1 230KV	P6	N-1-1	< 100	< 100	114	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
GREEN VALLEY- MORGAN HILL 115KV	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	< 100	< 100	< 100	< 100	< 100	102	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
	MOSS LANDING 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	NA	Diverge	Diverge	NA	Diverge	Diverge	NA	Diverge	Diverge	NA	NA	Diverge	Install redundant battery/relay supply	
SALINAS2-SALINAS1 60KV	SALINAS 115/60KV TB 3	P1	N-1	110	124	<100	<100	<100	<100	<100	<100	<100	<100	<100	126	Project: Salinas Area Reinforcement	
	SALINAS 115KV SECTION 2D	P2	Bus	110	124	<100	<100	<100	<100	<100	<100	<100	<100	<100	126	Project: Salinas Area Reinforcement	
TEMPLETON 230/70KV Transformer	TOPAZGA2 0.69KV GEN UNIT 1 and SALINAS 115/60KV TB 3	P3	G-1/N-1	110	125	< 100	< 100	102	< 100	< 100	< 100	< 100	< 100	< 100	125	Project: Salinas Area Reinforcement	
	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	<100	<100	Diverge	<100	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply	
	MOSS LANDING 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	Diverge	<100	Diverge	Diverge	<100	<100	Diverge	<100	<100	Diverge	Install redundant battery/relay supply	
	SALINAS 115/60KV TB 2 and SALINAS 115/60KV TB 3	P6	N-1-1	Diverge	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
	MORRO BAY SW 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	<100	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MORROBAY 230/115KV TB 6 and MORRO BAY-MESA 230KV	P6	N-1-1	Diverge	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
SAN MIGUEL- UNIONPGAE 70KV	SN LS OB 115/70KV TB 3	P1	N-1	NA	<100	<100	NA	<100	<100	<100	NA	110	<100	NA	NA	<100	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	NA	<100	<100	NA	<100	<100	NA	110	<100	NA	NA	<100	Under Review	
	SN LS OB 115KV SECTION MA	P2	Bus	NA	<100	<100	NA	<100	<100	NA	110	<100	NA	NA	<100	Under Review	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	NA	<100	<100	NA	<100	<100	NA	110	<100	NA	NA	<100	Under Review	
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	NA	<100	<100	NA	<100	<100	NA	110	<100	NA	NA	<100	Under Review	
	CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3	P3	G-1/N-1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	106	< 100	< 100	< 100	< 100	Under Review	
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	NA	<100	<100	NA	<100	<100	NA	110	<100	NA	NA	<100	Install redundant battery/relay supply	
UNION TAP-PASO ROBLES 70KV	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	NA	<100	<100	NA	<100	<100	<100	NA	<100	NA	NA	<100	Install redundant battery/relay supply	
	MORROBAY-ESTRELLA #1 230KV and TEMPLETON-14C19595S #1 230KV	P6	N-1-1	< 100	< 100	148	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
ATASCADERO-CAYUCOS 70KV	MORRO BAY SW 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	134	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MORRO BAY-MESA 230KV and MORROBAY 230/115KV TB 6	P6	N-1-1	< 100	< 100	Diverge	< 100	< 100	127	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
	SISQUOC 1-25 25.00KV GEN UNIT V5 and MORROBAY 230/115KV TB 6	P3	G-1/N-1	< 100	< 100	< 100	< 100	< 100	112	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
ATASCADERO-SAN LUIS OBISPO 70KV	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MORRO BAY-TEMPLETON 230KV and TEMPLETON-GATES 230KV	P6	N-1-1	106	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
	MORRO BAY SW 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	106	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
CABRILLO-SANTA YNEZ SW STA 115KV	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MESA-SISQUOC 115KV and MESA_PGE-SNTA MRA 115KV	P6	N-1-1	203	166	Diverge	< 100	157	< 100	< 100	< 100	< 100	< 100	< 100	167	Under Review	
	MESA_PGE-SNTA MRA 115KV and MESA-SISQUOC 115KV	P6	N-1-1	152	171	< 100	< 100	160	< 100	< 100	< 100	< 100	< 100	< 100	172	Under Review	
	SISQUOC-SANTA YNEZ SW STA 115KV (SISQUOC-PALMR)	P2	Line Section w/o Fault	<100	<100	<100	<100	<100	102	<100	<100	<100	<100	<100	<100	Continue to monitor	
	SISQUOC - MA 115KV & MESA-SISQUOC LINE	P2	Breaker	<100	<100	<100	<100	<100	101	<100	<100	<100	<100	<100	<100	Continue to monitor	
	SISQUOC - MA 115KV & SANTA MARIA-SISQUOC LINE	P2	Breaker	<100	<100	<100	<100	<100	101	<100	<100	<100	<100	<100	<100	Continue to monitor	
	SISQUOC - MA 115KV & SISQUOC-GAREY LINE	P2	Breaker	<100	<100	<100	<100	<100	101	<100	<100	<100	<100	<100	<100	Continue to monitor	
	MESA 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	<100	Diverge	Diverge	Diverge	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply	
	MESA_PGE 115KV - SECTION 2D & 1D	P2	Breaker	<100	Diverge	<100	Diverge	Diverge	Diverge	<100	<100	<100	<100	<100	Diverge	Under Review	
	MORROBAY 230/115KV TB 6	P1	N-1	132	<100	164	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	<100	<100	Diverge	<100	<100	148	176	Diverge	113	Diverge	Under Review	
	MORROBAY 230KV SECTION 1D	P2	Bus	135	<100	168	<100	<100	115	<100	<100	<100	<100	<100	101	Under Review	
	MORROBAY 230KV - SECTION 1D & 1E	P2	Breaker	127	<100	157	<100	<100	115	<100	<100	<100	<100	<100	<100	Under Review	
	MORRO BY - 1D 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	123	<100	154	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	MORRO BY 115KV SECTION 1D	P2	Bus	123	<100	153	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
CALLENDER SW STA-MESA 115KV	MORROBAY 230KV - SECTION 2D & 1D	P2	Breaker	128	NA	NA	<100	NA	NA	<100	NA	NA	<100	<100	NA	Under Review	
	MORRO BY - 1D 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	115	<100	142	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	CALPOLYSLO 12.47KV GEN UNIT RN and MORROBAY 230/115KV TB 6	P3	G-1/N-1	132	< 100	163	< 100	100	163	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
	MORRO BAY-MESA 230KV and MORROBAY 230/115KV TB 6	P6	N-1-1	113	< 100	Diverge	< 100	< 100	142	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	173	<100	<100	Diverge	<100	<100	143	166	152	102	173	Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	164	<100	<100	Diverge	152	<100	140	149	144	<100	Diverge	Under Review	
	MORRO BAY-SAN LUIS OBISPO #1 AND #2 115 KV LINES	P7	DCTL	111	<100	136	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	NO BF RELAY MORRO BAY 115KV CB 112 OR 122	P5	Non-Redundant Battery/Relay	<100	<100	137	<100	<100	<100	<100	<100	<100	<100	<100	<100	Install redundant battery/relay supply	
	MORRO BAY 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	<100	137	<100	<100	<100	<100	<100	<100	<100	<100	<100	Install redundant battery/relay supply	
	MORRO BAY SW 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	<100	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MESA 230 KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	Diverge	<100	<100	<100	Diverge	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply	
	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	CAMPEVERS_D1 21.60KV GEN UNIT RE and GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY ROB ROY	P3	G-1/N-1	< 100	< 100	< 100	< 100	< 100	100	158	< 100	< 100	< 100	< 100	< 100	Under Review	
	MOSS LANDING-GREEN VALLEY #1 115KV and GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY ROB ROY	P6	N-1-1	< 100	< 100	103	< 100	104	180	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	

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	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
CAMP EVERS-PAUL SWEET 115KV	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P1	N-1	<100	<100	<100	<100	<100	157	<100	<100	<100	<100	<100	<100	Continue to monitor	
	GREEN VALLEY-PAUL SWEET 115KV (GREENVALLEY-ROB ROY)	P2	Line Section w/o Fault	<100	<100	<100	<100	<100	157	<100	<100	<100	<100	<100	<100	Continue to monitor	
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 3	P2	Breaker	<100	<100	<100	<100	<100	155	<100	<100	<100	<100	<100	<100	Continue to monitor	
	GREEN VALLEY-PAUL SWEET 115KV (PAUL SWT-ROB ROY)	P2	Line Section w/o Fault	<100	<100	<100	<100	<100	100	<100	<100	<100	<100	<100	<100	Continue to monitor	
GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON PAUL SWT_ROB ROY	P1	N-1		<100	<100	<100	<100	<100	100	<100	<100	<100	<100	<100	<100	Continue to monitor	
COALINGA #1-SAN MIGUEL 70KV	SN LS OB 115/70KV TB 3	P1	N-1	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Under Review	
	PASO ROBLES-TEMPLETON 70KV	P1	N-1	102	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Project: Estrella Substation Project	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Under Review	
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Under Review	
	SN LS OB 115KV SECTION MA	P2	Bus	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Under Review	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Under Review	
	CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3	P3	G-1/N-1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	126	< 100	< 100	< 100	Under Review	
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Install redundant battery/relay supply	
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	<100	<100	<100	<100	<100	<100	<100	<100	125	<100	<100	<100	Install redundant battery/relay supply	
	TEMPLETON 230-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	102	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Install redundant battery/relay supply	
	MORRO BAY-CALFLATS SS AND TEMPLETON-GATES 230 KV LINES	P7	DCTL	138	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Project: Estrella Substation Project	
	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	<100	<100	Install redundant battery/relay supply	
	MORRO BAY SW 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	<100	Diverge	Diverge	<100	Diverge	Diverge	<100	Install redundant battery/relay supply
TEMPLETON-14C19955 #1 230KV and ESTRELLA-CALFLATSS #1 230KV	P6	N-1-1		< 100	< 100	Diverge	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
COBURN 230/60KV TB 2	FAIRWAY 115/21KV TB 1 and COBURN 230/60KV TB 1	P6	N-1-1	< 100	< 100	< 100	< 100	118	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
COBURN-OIL FIELDS #1 60KV	COBURN-OIL FIELDS #2 60KV	P1	N-1	<100	<100	<100	<100	<100	<100	<100	133	<100	<100	<100	<100	Under Review	
	SALINASRIVER 13.80KV GEN UNIT 1 and COBURN-OIL FIELDS #2 60KV	P3	G-1/N-1	< 100	117	< 100	< 100	134	< 100	< 100	< 100	< 100	< 100	< 100	118	Under Review	
COBURN-OIL FIELDS #2 60KV	COBURN-OIL FIELDS #1 60KV	P1	N-1	<100	<100	NA	<100	<100	NA	<100	132	NA	<100	<100	<100	Under Review	
	SALINASRIVER 13.80KV GEN UNIT 1 and COBURN-OIL FIELDS #1 60KV	P3	G-1/N-1	105	129	< 100	< 100	133	< 100	< 100	< 100	< 100	< 100	< 100	130	Under Review	
CRAZY HORSE CANYON-SALINAS-SOLEDAD #1 115KV	SALINAS-MOSSLNSW-DOLAN RD 115KV and MOSS LANDING-SALINAS #2 115KV	P6	N-1-1	149	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Project: Crazy Horse Canyon – Salinas – Soledad #1 and #2 115 KV Line Reconductoring	
	MOSS LANDING - SALINAS #1 AND #2 115 KV LINES	P7	DCTL	149	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Project: Crazy Horse Canyon – Salinas – Soledad #1 and #2 115 KV Line Reconductoring	
	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	Diverge	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Project: Crazy Horse Canyon – Salinas – Soledad #1 and #2 115 KV Line Reconductoring	
CRAZY HORSE CANYON-SALINAS-SOLEDAD #2 115KV	SALINAS-MOSSLNSW-DOLAN RD 115KV and MOSS LANDING-SALINAS #2 115KV	P6	N-1-1	149	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Project: Crazy Horse Canyon – Salinas – Soledad #1 and #2 115 KV Line Reconductoring	
	MOSS LANDING - SALINAS #1 AND #2 115 KV LINES	P7	DCTL	149	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Project: Crazy Horse Canyon – Salinas – Soledad #1 and #2 115 KV Line Reconductoring	
	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	Diverge	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	Project: Crazy Horse Canyon – Salinas – Soledad #1 and #2 115 KV Line Reconductoring	
DEL MONTE-FORT ORD #1 60KV	DEL MONTE-FORT ORD #2 60KV	P1	N-1	<100	128	139	<100	101	111	<100	<100	<100	<100	<100	131	Under Review	
	CAMPEVERS_D1 21.60KV GEN UNIT RE and DEL MONTE-FORT ORD #2 60KV	P3	G-1/N-1	< 100	128	139	< 100	126	140	< 100	< 100	< 100	< 100	< 100	131	Under Review	
DEL MONTE-FORT ORD #2 60KV	DEL MONTE-FORT ORD #1 60KV	P1	N-1	<100	128	138	<100	101	111	<100	<100	<100	<100	<100	130	Under Review	
	CAMPEVERS_D1 21.60KV GEN UNIT RE and DEL MONTE-FORT ORD #1 60KV	P3	G-1/N-1	< 100	128	138	< 100	126	140	< 100	< 100	< 100	< 100	< 100	130	Under Review	
DIABLO-MESA 230KV	MORROBAY 230/115KV TB 6 and MORRO BAY-MESA 230KV	P6	N-1-1	Diverge	< 100	Diverge	< 100	< 100	105	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
DIVIDE-CABRILLO #1 115KV	MESA_PGE-SNTA MRA 115KV and MESA-SISQUOC 115KV	P6	N-1-1	163	176	< 100	< 100	171	< 100	< 100	< 100	< 100	< 100	< 100	177	Under Review	
GREEN VALLEY-CAMP EVERS 115KV	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P1	N-1	110	107	134	<100	<100	148	<100	<100	<100	<100	<100	111	Under Review	
	GREEN VALLEY-PAUL SWEET 115KV (GREENVALLEY-ROB ROY)	P2	Line Section w/o Fault	110	107	134	<100	<100	148	<100	<100	<100	<100	<100	111	Under Review	
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 3	P2	Breaker	109	107	132	<100	<100	147	<100	<100	<100	<100	<100	110	Under Review	
	CAMPEVERS_D1 21.60KV GEN UNIT RE and GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P3	G-1/N-1	111	108	134	< 100	132	198	< 100	< 100	< 100	< 100	< 100	111	Under Review	
	MOSS LANDING-GREEN VALLEY #1 115KV and GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P6	N-1-1	127	110	145	< 100	132	220	< 100	< 100	< 100	< 100	< 100	114	Under Review	
	GREEN VALLEY-PAUL SWEET 115KV (PAUL SWT-ROB ROY)	P2	Line Section w/o Fault	<100	<100	117	<100	<100	103	<100	<100	<100	<100	<100	100	Under Review	
	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON PAUL SWT_ROB ROY	P1	N-1	<100	<100	117	<100	<100	103	<100	<100	<100	<100	<100	100	Under Review	
	ROB ROY 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	<100	116	<100	<100	102	<100	<100	<100	<100	<100	100	Under Review	
GREEN VALLEY-PAUL SWEET 115KV	GREEN VALLEY-CAMP EVERS 115KV	P1	N-1	104	106	128	<100	<100	138	<100	<100	<100	<100	<100	110	Under Review	
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	117	108	134	<100	<100	141	<100	<100	<100	<100	<100	112	Under Review	
	CAMPEVERS_D1 21.60KV GEN UNIT RE and GREEN VALLEY-CAMP EVERS 115KV	P3	G-1/N-1	106	107	129	< 100	127	183	< 100	< 100	< 100	< 100	< 100	110	Under Review	
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	107	<100	121	<100	<100	108	<100	<100	<100	<100	<100	102	Under Review	
	GREEN VALLEY-CAMP EVERS 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	117	108	134	< 100	126	183	< 100	< 100	< 100	< 100	< 100	112	Under Review	
	CAMPEVERS_D1 21.60KV GEN UNIT RE and GREEN VALLEY-CAMP EVERS 115KV	P3	G-1/N-1	< 100	< 100	117	< 100	106	137	< 100	< 100	< 100	< 100	< 100	100	Under Review	
	GREEN VALLEY-CAMP EVERS 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	108	< 100	121	< 100	105	136	< 100	< 100	< 100	< 100	< 100	102	Under Review	
	GREEN VALLEY-CAMP EVERS 115KV	P1	N-1	<100	<100	116	<100	<100	106	<100	<100	<100	<100	<100	<100	Under Review	
	CAMP EVERS-PAUL SWEET 115KV	P1	N-1	<100	<100	<100	<100	<100	111	<100	<100	<100	<100	<100	<100	Under Review	
	GREEN VALLEY - CAMP EVERS & CAMP EVERS - PAUL SWEET 115 KV LINES	P7	DCTL	<100	<100	<100	<100	<100	111	<100	<100	<100	<100	<100	<100	Under Review	
	CAMP EVERS 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	<100	<100	<100	<100	111	<100	<100	<100	<100	<100	<100	Under Review	
	CMP EVRS 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	<100	<100	<100	<100	111	<100	<100	<100	<100	<100	<100	Under Review	
	CMP EVRS 115KV SECTION 1D	P2	Bus	<100	<100	<100	<100	<100	111	<100	<100	<100	<100	<100	<100	Under Review	

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	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	<100	105	<100	<100	103	<100	<100	<100	<100	<100	<100	Under Review	
GREEN VALLEY-WATSONVILLE 60KV	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	149	128	Diverge	163	159	161	170	165	159	Diverge	Install redundant battery/relay supply	
	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	Diverge	<100	<100	135	<100	<100	130	<100	<100	115	130	<100	Under Review	
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	<100	<100	<100	105	<100	<100	129	<100	<100	116	130	<100	Under Review
GREENVALLEY 115/60KV TB 1	MOSS LANDING 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	Diverge	<100	Diverge	Diverge	<100	Diverge	Diverge	<100	<100	Diverge	Install redundant battery/relay supply	
	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	194	213	Diverge	272	209	220	235	215	209	Diverge	Install redundant battery/relay supply	
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	MOSS LANDING 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	Diverge	<100	Diverge	Diverge	<100	Diverge	Diverge	<100	<100	Diverge	Install redundant battery/relay supply	
	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	Diverge	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
MESA PGE 230/115KV TB 2	MESA PGE 230/115KV TB 3 and MORROBAY 230/115KV TB 6	P6	N-1-1	<100	<100	111	<100	<100	114	<100	<100	<100	<100	<100	<100	Under Review	
MESA PGE 230/115KV TB 3	MESA PGE 230/115KV TB 2 and MORROBAY 230/115KV TB 6	P6	N-1-1	112	<100	129	<100	<100	132	<100	<100	<100	<100	<100	<100	Under Review	
MESA_PGE-SNTA MRA 115KV	SISQUOC 1-25 25.00KV GEN UNIT V5 and MORROBAY 230/115KV TB 6	P3	G-1/N-1	<100	<100	142	<100	<100	134	<100	<100	<100	<100	<100	<100	Under Review	
	MORROBAY 230/115KV TB 6	P1	N-1	121	106	142	<100	<100	<100	<100	<100	<100	<100	<100	109	Under Review	
	MORROBAY 230KV SECTION 1D	P2	Bus	122	107	145	<100	<100	107	<100	<100	<100	<100	<100	110	Under Review	
	MORROBAY 230KV - SECTION 1D & 1E	P2	Breaker	118	101	139	<100	<100	107	<100	<100	<100	<100	<100	105	Under Review	
	MORRO BY - 1D 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	117	102	137	<100	<100	<100	<100	<100	<100	<100	<100	105	Under Review	
	MORRO BY 115KV SECTION 1D	P2	Bus	117	102	137	<100	<100	<100	<100	<100	<100	<100	<100	105	Under Review	
	MORRO BY - 1D 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	113	<100	132	<100	<100	<100	<100	<100	<100	<100	<100	101	Under Review	
	MESA_PGE - 2D 115KV & MESA-SISQUOC LINE	P2	Breaker	<100	101	121	<100	<100	<100	<100	<100	<100	<100	<100	104	Under Review	
	MORROBAY 230KV - SECTION 2D & 1D	P2	Breaker	118	NA	NA	<100	NA	NA	<100	NA	NA	<100	<100	NA	Under Review	
	MORRO BAY-MESA 230KV and MORROBAY 230/115KV TB 6	P6	N-1-1	111	<100	Diverge	<100	<100	112	<100	<100	<100	<100	<100	<100	Under Review	
	MESA-SISQUOC AND CALLENDER SW STA-MESA 115 KV LINES	P7	DCTL	105	107	134	<100	<100	<100	<100	<100	<100	<100	<100	110	Under Review	
	MORRO BAY-SAN LUIS OBISPO #1 AND #2 115 KV LINES	P7	DCTL	111	<100	139	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	MESA-DIVIDE #1 AND #2 115 KV LINES	P7	DCTL	<100	113	112	<100	<100	<100	<100	<100	<100	<100	<100	117	Under Review	
	MORRO BAY 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	<100	139	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	NO BF RELAY MORRO BAY 115KV CB 112 OR 122	P5	Non-Redundant Battery/Relay	<100	<100	139	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	MESA-SISQUOC 115KV	P1	N-1	<100	<100	119	<100	<100	<100	<100	<100	<100	<100	<100	103	Continue to monitor	
	DIVIDE 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	<100	107	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	DIVIDE-CABRILLO #1 AND #2 115 KV LINES	P7	DCTL	<100	<100	104	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	DIVIDE-CABRILLO #1 115KV	P1	N-1	<100	<100	107	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	Base Case	P0	Base Case	<100	<100	105	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	CALLENDER SW STA-MESA 115KV	P1	N-1	<100	<100	110	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	CALLENDER 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	<100	110	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	CALLENDAR SW STA 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	<100	110	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	OCEANO-CALLENDER SW STA 115KV	P1	N-1	<100	<100	110	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	MORROBAY-SOLARSS 230 KV LINE NO. 1 & 2	P7	DCTL	<100	<100	101	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
MESA-DIVIDE #1 115KV	SISQUOC-SANTA YNEZ SW STA 115KV and MESA-DIVIDE #2 115KV	P6	N-1-1	<100	<100	102	<100	<100	113	<100	<100	<100	<100	<100	<100	Continue to monitor	
MESA-DIVIDE #2 115KV	SISQUOC-SANTA YNEZ SW STA 115KV and MESA-DIVIDE #1 115KV	P6	N-1-1	<100	<100	102	<100	<100	113	<100	<100	<100	<100	<100	<100	Continue to monitor	
MESA-SISQUOC 115KV	MORROBAY 230/115KV TB 6 and MESA_PGE-SNTA MRA 115KV	P6	N-1-1	108	<100	121	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
	MESA-SANTA MARIA & SAN LUIS OBISPO-SANTA MARIA 115 KV LINES	P7	DCTL	<100	103	108	<100	<100	<100	<100	<100	<100	<100	<100	106	Under Review	
MONTA VISTA-BURNS 60KV	Base Case	P0	Base Case	<100	<100	<100	<100	<100	163	<100	<100	<100	<100	<100	<100	Continue to monitor	
	BURNS-LONE STAR #1 60KV (BURNS J1-L-STAR J)	P2	Line Section w/o Fault	<100	<100	<100	<100	<100	151	<100	<100	<100	<100	<100	<100	Continue to monitor	
	BURNS-LONE STAR #1 60KV (BURNS-BURNS J1)	P2	Line Section w/o Fault	<100	<100	<100	<100	<100	151	<100	<100	<100	<100	<100	<100	Continue to monitor	
	BURNS-LONE STAR #1 60KV	P1	N-1	<100	<100	<100	<100	<100	151	<100	<100	<100	<100	<100	<100	Continue to monitor	
MORRO BAY-DIABLO 230KV	BURNS-LONE STAR #2 60KV	P1	N-1	<100	<100	<100	<100	<100	107	<100	<100	<100	<100	<100	<100	Continue to monitor	
	MORROBAY 230/115KV TB 6 and MORRO BAY-MESA 230KV	P6	N-1-1	Diverge	<100	Diverge	<100	<100	107	<100	<100	<100	<100	<100	<100	Under Review	
	MORROBAY 230KV - SECTION 1D & 1E	P2	Breaker	107	<100	117	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
MORRO BAY-MESA 230KV	MORROBAY 230/115KV TB 6 and DIABLO-MESA 230KV	P6	N-1-1	105	<100	126	<100	<100	108	<100	<100	<100	<100	<100	<100	Under Review	
	MORRO BAY-DIABLO 230KV and MORRO BAY-MESA 230KV	P6	N-1-1	Diverge	105	Diverge	<100	Diverge	<100	<100	<100	113	<100	<100	107	Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	105	<100	<100	Diverge	156	<100	<100	103	<100	<100	Diverge	Under Review	
MORRO BAY-SAN LUIS OBISPO #1 115KV	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	111	<100	<100	Diverge	<100	<100	<100	113	<100	<100	113	Under Review	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	<100	<100	Diverge	<100	<100	<100	112	Diverge	<100	Diverge	Under Review	
	MESA 230 KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	Diverge	<100	<100	<100	Diverge	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply	
MORRO BAY-SAN LUIS OBISPO #2 115KV	MESA 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	<100	Diverge	Diverge	Diverge	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply	
	MESA_PGE 115KV - SECTION 2D & 1D	P2	Breaker	<100	Diverge	<100	Diverge	Diverge	Diverge	<100	<100	<100	<100	<100	Diverge	Under Review	
	MORRO BAY-DIABLO 230KV and MORRO BAY-MESA 230KV	P6	N-1-1	Diverge	108	Diverge	<100	Diverge	<100	<100	<100	114	<100	<100	109	Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	113	<100	<100	Diverge	166	<100	<100	106	<100	<100	Diverge	Under Review	
MORRO BAY-SAN LUIS OBISPO #2 115KV	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	113	<100	<100	Diverge	<100	<100	<100	114	<100	<100	115	Under Review	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker														

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	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
MORROBAY 230/115KV TB 6	TEMPLETON-14C195955 #1 230KV and ESTRELLA-CALFLATSSS #1 230KV	P6	N-1-1	<100	<100	Diverge	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	CABALLEROBES 0.66KV GEN UNIT 1 and MORRO BAY-MESA 230KV	P3	G-1/N-1	<100	<100	129	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	113	<100	Diverge	<100	<100	<100	170	Diverge	122	Diverge	Under Review	
	MESA 230 KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	Diverge	120	<100	<100	Diverge	<100	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply
	MORROBAY 230KV - SECTION 2D & 2E	P2	Breaker	102	NA	NA	<100	NA	NA	<100	NA	NA	<100	<100	<100	NA	Under Review
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	178	121	<100	Diverge	202	<100	<100	164	156	<100	<100	Diverge	Under Review
	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	178	119	<100	Diverge	<100	<100	<100	176	154	<100	<100	180	Under Review
	MESA 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	120	Diverge	Diverge	Diverge	<100	<100	129	<100	<100	<100	Diverge	Install redundant battery/relay supply
	MESA_PGE 115KV - SECTION 2D & 1D	P2	Breaker	<100	Diverge	122	Diverge	Diverge	Diverge	<100	<100	127	<100	<100	<100	Diverge	Under Review
	MESA_PGE 115KV SECTION 1D	P2	Bus	<100	<100	136	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MESA_PGE - 1D 115KV & MESA_PGE-SNTA MRA LINE	P2	Breaker	<100	<100	133	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MESA PGE 230KV - MIDDLE BREAKER BAY 3	P2	Breaker	<100	<100	125	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MORRO BAY-MESA 230KV	P1	N-1	<100	<100	150	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MORROBAY 230KV SECTION 2E	P2	Bus	<100	<100	116	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	CALLENDER SW STA-MESA & SAN LUIS OBISPO-SANTA MARIA 115 KV LINES	P7	DCTL	<100	<100	119	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MESA_PGE-SNTA MRA 115KV	P1	N-1	<100	<100	108	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MESA-SISQUOC AND CALLENDER SW STA-MESA 115 KV LINES	P7	DCTL	<100	<100	109	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	TEMPLETON 230-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	<100	109	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	CALLENDER SW STA-MESA 115KV	P1	N-1	<100	<100	108	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	OCEANO-CALLENDER SW STA 115KV	P1	N-1	<100	<100	108	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	CALLENDER 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	<100	109	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	CALLENDAR SW STA 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	<100	<100	109	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	TEMPLETON-ATASCADERO 70KV	P1	N-1	<100	<100	109	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MESA_PGE-SNTA MRA 115KV and MESA-SISQUOC 115KV	P6	N-1-1	<100	<100	Diverge	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSS LANDING-CRAZY HORSE CANYON #1 115KV	MOSS LANDING - SALINAS #1 AND #2 115 KV LINES	P7	DCTL	<100	<100	<100	<100	<100	109	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSS LANDING-CRAZY HORSE CANYON #2 115KV	SALINAS-MOSSLNSW-DOLAN RD 115KV and MOSS LANDING-SALINAS #2 115KV	P6	N-1-1	<100	<100	<100	<100	<100	104	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSS LANDING-DEL MONTE #1 115KV	MOSS LANDING - SALINAS #1 AND #2 115 KV LINES	P7	DCTL	<100	<100	103	<100	<100	101	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MOSS LANDING-DEL MONTE #2 115KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	<100	<100	142	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
	MOSS LANDING-DEL MONTE #2 115KV	P1	N-1	<100	108	125	<100	<100	106	<100	<100	<100	<100	<100	<100	111	Under Review
	MOSSLNSW 115KV - MIDDLE BREAKER BAY 2	P2	Breaker	<100	108	125	<100	<100	105	<100	<100	<100	<100	<100	<100	112	Under Review
	MOSS LANDING-DEL MONTE #2 115KV (CSTRVLJ2-DEL MNTE)	P2	Line Section w/o Fault	<100	108	125	<100	<100	106	<100	<100	<100	<100	<100	<100	111	Under Review
	MOSS LANDING-DEL MONTE #2 115KV (MOSSLNSW-CSTRVLJ2)	P2	Line Section w/o Fault	<100	108	124	<100	<100	105	<100	<100	<100	<100	<100	<100	111	Under Review
CAMPEVERS_D1 21.60KV GEN UNIT RE and MOSS LANDING-DEL MONTE #2 115KV	P3	G-1/N-1	<100	108	125	<100	116	137	<100	<100	<100	<100	<100	<100	111	Under Review	
MOSS LANDING-DEL MONTE #1 115KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	<100	<100	142	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Under Review	
MOSS LANDING-DEL MONTE #1 115KV	P1	N-1	<100	108	125	<100	<100	106	<100	<100	<100	<100	<100	<100	<100	111	Under Review
MOSS LANDING-DEL MONTE #1 115KV (MOSSLNSW-CSTRVLJ1)	P2	Line Section w/o Fault	108	124	143	<100	102	122	<100	<100	<100	<100	<100	<100	<100	118	Under Review
MOSSLNSW 115KV - MIDDLE BREAKER BAY 1	P2	Breaker	<100	109	125	<100	<100	106	<100	<100	<100	<100	<100	<100	<100	112	Under Review
MOSS LANDING-DEL MONTE #1 115KV (CSTRVLJ1-DEL MNTE)	P2	Line Section w/o Fault	<100	108	125	<100	<100	105	<100	<100	<100	<100	<100	<100	<100	111	Under Review
CAMPEVERS_D1 21.60KV GEN UNIT RE and MOSS LANDING-DEL MONTE #1 115KV	P3	G-1/N-1	<100	108	125	<100	116	137	<100	<100	<100	<100	<100	<100	<100	111	Under Review
CASTROVILLE 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	108	125	<100	<100	106	<100	<100	<100	<100	<100	<100	<100	111	Install redundant battery/relay supply
CAMPEVERS_D1 21.60KV GEN UNIT RE and MOSS LANDING-GREEN VALLEY #2 115KV	P3	G-1/N-1	<100	<100	<100	<100	<100	113	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSS LANDING-GREEN VALLEY #2 115KV	P1	N-1	<100	<100	<100	<100	104	132	<100	<100	<100	<100	<100	<100	<100	<100	Under Review
MOSSLNSW 115KV - MIDDLE BREAKER BAY 6	P2	Breaker	<100	<100	<100	<100	101	128	<100	<100	<100	<100	<100	<100	<100	<100	Under Review
MOSS LANDING-GREEN VALLEY #2 115KV and GREENVALLEY-MRGN HIL #1 115KV	P6	N-1-1	<100	<100	112	<100	102	149	<100	<100	<100	<100	<100	<100	<100	<100	Under Review
GREENVALLEY 115KV - MIDDLE BREAKER BAY 4	P2	Breaker	<100	<100	<100	<100	<100	123	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSS LANDING-GREEN VALLEY #1 115KV	P1	N-1	105	<100	107	<100	106	135	<100	<100	<100	<100	<100	<100	<100	101	Under Review
MOSSLNSW 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	106	100	107	<100	107	136	<100	<100	<100	<100	<100	<100	<100	102	Under Review
GREENVALLEY 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	110	<100	108	<100	106	131	<100	<100	<100	<100	<100	<100	<100	101	Under Review
CAMPEVERS_D1 21.60KV GEN UNIT RE and MOSS LANDING-GREEN VALLEY #1 115KV	P3	G-1/N-1	106	<100	107	<100	108	127	<100	<100	<100	<100	<100	<100	<100	<100	Under Review
SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	<100	<100	Diverge	100	<100	<100	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply
SALINAS 115/60KV TB 3 and SALINAS 115/60KV TB 2	P6	N-1-1	<100	Diverge	<100	<100	Diverge	<100	<100	<100	<100	<100	<100	<100	<100	Diverge	Under Review
TEMPLETON-14C195955 #1 230KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	<100	<100	101	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSSLNSW 230KV - MIDDLE BREAKER BAY 6	P2	Breaker	<100	<100	<100	<100	100	<100	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
SALINAS-MOSSLNSW-DOLAN RD 115KV and MOSS LANDING-CRAZY HORSE CANYON #1 115KV. MOAS OPENED ON PRNDL JL PRUNEDLE	P6	N-1-1	<100	<100	<100	<100	<100	106	<100	<100	<100	<100	<100	<100	<100	<100	Continue to monitor
MOSSLNSW 230/115KV TB 1	MOSSLNSW 230/115KV TB 4 and MOSSLNSW 230/115KV TB 2	P6	N-1-1	<100	<100	103	<100	<100									

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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	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	121	<100	<100	Diverge	<100	<100	<100	<100	<100	<100	Diverge	Under Review	
	MESA_PGE 115KV - SECTION 2D & 1D	P2	Breaker	<100	Diverge	<100	Diverge	Diverge	<100	<100	<100	<100	<100	<100	Diverge	Under Review	
	MESA 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	<100	Diverge	<100	Diverge	Diverge	Diverge	<100	<100	<100	<100	<100	Diverge	Install redundant battery/relay supply	
	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	MORRO BAY SW 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	149	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
TEMPLETON-ATASCADERO 70KV	MORROBAY 230/115KV TB 6 and MORRO BAY-MESA 230KV	P6	N-1-1	Diverge	< 100	Diverge	< 100	< 100	122	< 100	< 100	< 100	< 100	< 100	< 100	Under Review	
	MORRO BAY 230KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Diverge	Install redundant battery/relay supply	
	GRANITEROCK 4.16KV GEN UNIT RE and GREENVALLEY 115/60KV TB 1	P3	G-1/N-1	< 100	< 100	< 100	< 100	< 100	171	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
	CVSR-R2 0.27KV GEN UNIT 1 and GREENVALLEY 115/60KV TB 1	P3	G-1/N-1	< 100	< 100	< 100	< 100	< 100	117	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 2	P2	Breaker	< 100	< 100	< 100	< 100	< 100	122	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
WATSONVILLE-SALINAS 60KV	GREENVALLEY 115/60KV TB 1	P1	N-1	< 100	< 100	< 100	< 100	< 100	122	< 100	< 100	< 100	< 100	< 100	< 100	Continue to monitor	
	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	182	174	Diverge	168	215	210	177	212	215	Diverge	Install redundant battery/relay supply	
	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	Diverge	116	165	265	134	177	258	< 100	< 100	235	258	122	Under Review	
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	121	167	209	111	158	258	< 100	101	236	258	123	Under Review	
	MOSS LANDING 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	< 100	Diverge	Diverge	< 100	Diverge	Diverge	< 100	Diverge	Diverge	< 100	< 100	Diverge	Install redundant battery/relay supply	

Substation	Contingency (All and Worst P6)	Category	Category Description	Voltage PU (Baseline Scenarios)									Voltage PU (Sensitivity Scenarios)				Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
ATASCDRO 70.0 kV	CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3	P3	G-1/N-1	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.55	> 0.9	> 0.9	> 0.9	> 0.9	Off-peak only
	MORROBAY 230/115KV TB 6 and OCEANO-CALLENDER SW STA 115KV	P6	N-1-1	> 0.9	> 0.9	0.77	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor
	SN LS OB 115/70KV TB 3	P1	N-1	0.96	0.97	0.96	0.97	0.96	0.98	0.98	0.98	0.55	1.02	0.97	0.97	0.97	Off-peak only
	SN LS OB 115KV SECTION MA	P2	Bus	0.96	0.98	0.96	0.97	0.96	0.98	0.98	0.98	0.55	1.02	0.97	0.98	0.97	Off-peak only
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	0.97	0.98	0.96	0.97	0.96	0.98	0.98	0.98	0.55	1.02	0.97	0.98	0.97	Off-peak only
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	0.96	0.98	0.95	0.97	0.96	0.98	0.98	0.98	0.55	1.02	0.97	0.98	0.97	Off-peak only
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	0.96	0.98	0.96	0.97	0.96	0.98	0.98	0.98	0.55	1.02	0.97	0.98	0.97	Off-peak only
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	0.97	0.98	0.95	0.97	0.96	0.98	0.97	0.97	0.55	1.02	0.97	0.98	0.97	Off-peak only
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.97	0.98	0.95	0.97	0.96	0.98	0.97	0.97	0.55	1.02	0.97	0.98	0.97	Off-peak only
	SAN LUIS OBISPO 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.98	1.00	0.97	0.98	0.98	0.99	0.99	0.99	0.81	1.03	0.98	0.99	1.00	Off-peak only
CALLENDERS 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and CALLENDER SW STA-MESA 115KV	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor
	MORROBAY 230/115KV TB 6 and CALLENDER SW STA-MESA 115KV	P6	N-1-1	0.76	0.85	0.53	0.89	0.82	0.80	0.90	> 0.9	> 0.9	0.92	0.94	0.88	Under Review	
	CALLENDER SW STA-MESA 115KV	P1	N-1	0.94	0.96	0.88	0.95	0.91	0.97	0.97	0.99	1.01	0.96	0.98	0.95	Continue to Monitor	
	MESA_PGE 115KV SECTION 1D	P2	Bus	0.89	0.92	0.83	0.93	0.88	0.95	0.95	0.98	1.00	0.93	0.95	0.92	Under Review	
	CALLENDERS 115KV SECTION 1E	P2	Bus	0.94	0.96	0.88	0.95	0.91	0.97	0.97	0.99	1.01	0.96	0.98	0.95	Continue to Monitor	
	MESA_PGE - 1D 115KV & MESA_PGE-SNTA MRA LINE	P2	Breaker	0.89	0.93	0.84	0.93	0.88	0.95	0.95	0.98	1.00	0.93	0.95	0.92	Under Review	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	0.76	1.01	Diverge	1.02	1.02	0.97	1.00	Diverge	1.01	Diverge	Under Review	
	MESA_PGE 115KV - SECTION 2D & 1D	P2	Breaker	0.91	Diverge	0.86	Diverge	Diverge	Diverge	0.96	0.96	0.97	0.94	0.97	Diverge	Under Review	
	MESA 230 KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.90	Diverge	0.85	0.94	0.89	Diverge	0.99	1.01	1.02	0.99	0.99	Diverge	Install redundant battery/relay supply	
	MESA 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.90	Diverge	0.85	Diverge	Diverge	Diverge	0.95	0.96	0.95	0.94	0.95	Diverge	Install redundant battery/relay supply	
	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DTCL	Diverge	0.95	0.83	1.00	Diverge	1.02	1.01	1.02	1.01	0.96	1.02	0.94	Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DTCL	Diverge	0.92	0.85	1.01	Diverge	0.98	1.01	1.03	1.02	0.91	1.00	Diverge	Under Review	
	CALLENDER SW STA-MESA & SAN LUIS OBISPO-SANTA MARIA 115 KV LINES	P7	DTCL	0.91	0.94	0.85	0.94	0.89	0.95	0.96	0.97	1.00	0.94	0.97	0.94	Under Review	
CAYUCOS 70.0 kV	MESA-SISQUOC AND CALLENDER SW STA-MESA 115 KV LINES	P7	DTCL	0.93	0.96	0.88	0.95	0.91	0.97	0.97	0.99	1.01	0.96	0.98	0.95	Continue to Monitor	
	CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3	P3	G-1/N-1	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.53	> 0.9	> 0.9	> 0.9	> 0.9	Off-peak only
	MORROBAY 230/115KV TB 6 and OCEANO-CALLENDER SW STA 115KV	P6	N-1-1	0.87	> 0.9	0.68	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review
	SN LS OB 115/70KV TB 3	P1	N-1	0.94	0.94	0.92	0.95	0.92	0.93	0.96	0.54	1.00	0.95	0.95	0.94	Off-peak only	
	SN LS OB 115KV SECTION MA	P2	Bus	0.94	0.94	0.92	0.94	0.92	0.93	0.96	0.54	1.00	0.95	0.96	0.94	Off-peak only	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	0.94	0.94	0.92	0.95	0.93	0.93	0.96	0.54	1.00	0.95	0.96	0.94	Off-peak only	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	0.94	0.94	0.92	0.94	0.92	0.93	0.96	0.54	1.00	0.95	0.96	0.94	Off-peak only	
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	0.94	0.94	0.92	0.94	0.92	0.93	0.96	0.54	1.00	0.95	0.96	0.94	Off-peak only	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	0.89	0.99	Diverge	0.98	1.00	0.99	0.99	Diverge	0.99	Diverge	Under Review	
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	0.94	0.94	0.92	0.95	0.93	0.93	0.95	0.54	1.00	0.95	0.96	0.94	Off-peak only	
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.94	0.94	0.92	0.95	0.93	0.93	0.95	0.54	1.00	0.95	0.96	0.94	Off-peak only	
	SAN LUIS OBISPO 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.96	0.98	0.93	0.97	0.94	0.94	0.98	0.80	1.01	0.97	0.97	0.97	Off-peak only	
	CMP EVRS 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9
MOSS LANDING-GREEN VALLEY #2 115KV and MOSS LANDING-GREEN VALLEY #1 115KV		P6	N-1-1	> 0.9	> 0.9	0.67	0.21	0.87	0.84	0.25	> 0.9	> 0.9	0.29	0.26	0.93	Under Review	
GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY		P1	N-1	0.88	0.99	0.92	0.97	0.94	0.91	0.99	1.04	1.04	0.96	0.99	0.98	Under Review	
MOSS LANDING-GREEN VALLEY #1 115KV		P1	N-1	0.88	0.99	0.95	0.96	0.97	0.99	0.98	1.04	1.04	0.95	0.98	0.98	Under Review	
MOSS LANDING-GREEN VALLEY #2 115KV		P1	N-1	0.88	0.99	0.95	0.96	0.97	0.99	0.98	1.04	1.04	0.95	0.98	0.98	Under Review	
GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON PAUL SWT_ROB ROY		P1	N-1	0.90	1.00	0.95	0.98	0.98	1.01	1.00	1.04	1.04	0.97	1.00	0.99	Under Review	
GREEN VALLEY-PAUL SWEET 115KV (GREENVALLEY-ROB ROY)		P2	Line Section w/o Fault	0.88	0.99	0.92	0.97	0.94	0.91	0.99	1.04	1.04	0.96	0.99	0.98	Under Review	
GREEN VALLEY-PAUL SWEET 115KV (PAUL SWT-ROB ROY)		P2	Line Section w/o Fault	0.90	1.00	0.95	0.98	0.98	1.01	1.00	1.04	1.04	0.97	1.00	0.99	Under Review	
MOSSLNSW 115KV - MIDDLE BREAKER BAY 5		P2	Breaker	0.88	0.99	0.95	0.96	0.97	0.99	0.98	1.04	1.04	0.95	0.98	0.98	Under Review	
MOSSLNSW 115KV - MIDDLE BREAKER BAY 6		P2	Breaker	0.89	0.99	0.95	0.96	0.97	0.99	0.98	1.04	1.04	0.95	0.98	0.98	Under Review	
MOSSLNSW 230KV - MIDDLE BREAKER BAY 7		P2	Breaker	0.96	1.01	0.89	0.99	1.00	1.01	1.00	1.04	1.04	0.97	1.00	1.01	Continue to Monitor	
GREENVALLEY 115KV - MIDDLE BREAKER BAY 5		P2	Breaker	0.82	0.98	0.91	0.94	0.95	0.98	0.97	1.04	1.04	0.93	0.97	0.97	Under Review	
GREENVALLEY 115KV - MIDDLE BREAKER BAY 3		P2	Breaker	0.89	1.00	0.93	0.98	0.95	0.92	0.99	1.04	1.04	0.97	1.00	0.99	Under Review	
COBURN 230.0 kV	GREENVALLEY 115KV - MIDDLE BREAKER BAY 4	P2	Breaker	0.90	1.00	0.96	0.97	0.98	1.00	0.99	1.04	1.04	0.96	0.99	0.99	Under Review	
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DTCL	Diverge	0.91	0.67	0.21	0.86	0.82	0.25	1.04	1.04	0.28	0.25	0.90	Under Review	
	COBURN-LAS AGUILAS SW STA 230KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	Under Review
	COBURN 230/60KV TB 2 and MOSS LANDING-COBURN 230KV	P6	N-1-1	> 0.9	> 0.9	> 0.9	> 0.9	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review
	MOSSLAND 500/230KV TB 9	P1	N-1	0.99	0.99	0.89	1.00	0.96	0.97	1.00	0.95	1.01	0.96	0.97	0.98	Continue to Monitor	
COBURN 230.0 kV	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	0.99	0.99	0.89	1.00	0.96	0.97	1.00	0.95	1.01	0.96	0.97	0.98	Continue to Monitor	
	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor

Substation	Contingency (All and Worst P6)	Category	Category Description	Voltage PU (Baseline Scenarios)										Voltage PU (Sensitivity Scenarios)			Project & Potential Mitigation Solutions	
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast			
CRAZYHORSESS 115.0 kV	MOSSLNSW 230/115KV TB 4 and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	1.01	1.00	0.89	1.01	1.00	1.00	1.01	1.02	1.03	1.00	1.02	1.01		Continue to Monitor	
DEL MNT 60.0 kV	MOSS LANDING-DEL MONTE #1 115KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
DIABLOCN 230.0 kV	MORRO BAY-SOLAR SW STA #1 230KV and TEMPLETON-14C1959SS #1 230KV	P6	N-1-1	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	NA	1.04	Diverge	1.01	1.03	0.86	1.00	Diverge	1.03	Diverge		Under Review	
	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	0.89	NA	1.04	Diverge	1.01	1.03	1.01	1.00	0.89	1.03	0.88		Under Review	
ESTRELLA 230.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and ESTRELLA-CALFATSSS #1 230KV	P3	G-1/N-1	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	ESTRELLA-CALFATSSS #1 230KV and MORROBAY-ESTRELLA #1 230KV	P6	N-1-1	> 0.9	> 0.9	0.85	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
FORT ORD 60.0 kV	MOSS LANDING-DEL MONTE #1 115KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
GREENVALLEY 115.0 kV	MOSS LANDING-GREEN VALLEY #2 115KV and MOSS LANDING-GREEN VALLEY #1 115KV	P6	N-1-1	> 0.9	> 0.9	0.73	0.23	0.88	0.84	0.26	> 0.9	> 0.9	0.30	0.27	> 0.9		Under Review	
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	0.89	0.98	0.95	0.97	0.96	0.97	0.98	1.02	1.02	0.96	0.98	0.98		Under Review	
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	0.92	0.73	0.23	0.87	0.83	0.26	1.02	1.02	0.29	0.26	0.90		Under Review	
KING CTY 60.0 kV	COBURN 230/60KV TB 2 and MOSS LANDING-COBURN 230KV	P6	N-1-1	> 0.9	> 0.9	> 0.9	> 0.9	0.85	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review	
	MOSSLAND 500/230KV TB 9	P1	N-1	0.99	0.99	0.90	1.00	0.98	0.99	1.01	0.95	1.03	0.98	0.99	0.98		Continue to Monitor	
	COBURN 230KV SECTION 1D	P2	Bus	1.00	0.99	0.95	1.00	0.98	1.02	1.01	0.90	1.03	1.00	1.01	0.99		Off-peak only	
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	0.99	0.99	0.89	1.00	0.97	0.99	1.01	0.95	1.03	0.98	0.99	0.98		Continue to Monitor	
LAURELES 60.0 kV	SALINAS 115/60KV TB 3 and SALINAS 115/60KV TB 2	P6	N-1-1	> 0.9	> 0.9	0.41	0.27	> 0.9	0.29	0.30	0.35	> 0.9	0.25	0.32	> 0.9		Under Review	
	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDANT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	0.41	0.27	Diverge	0.29	0.31	0.35	1.31	0.25	0.30	Diverge		Install redundant battery/relay supply	
MESA PGE 230.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MORRO BAY-MESA 230KV	P3	G-1/N-1	> 0.9	> 0.9	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MORRO BAY-MESA 230KV and DIABLO-MESA 230KV	P6	N-1-1	> 0.9	0.84	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.88	0.92	0.87		Under Review	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	NA	1.03	Diverge	1.01	1.02	0.86	1.01	Diverge	1.00	Diverge		Under Review	
	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	0.87	NA	1.03	Diverge	1.01	1.02	1.01	1.00	0.86	1.01	0.86		Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	0.83	NA	1.03	Diverge	0.98	0.99	1.03	1.03	0.81	0.88	Diverge		Under Review	
MORRO BY 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MORROBAY 230/115KV TB 6	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MORROBAY 230/115KV TB 6 and OCEANO-CALLENDER SW STA 115KV	P6	N-1-1	0.79	0.88	0.58	> 0.9	0.86	0.83	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.92		Under Review	
	MORROBAY 230/115KV TB 6	P1	N-1	0.91	0.94	0.88	0.96	0.93	0.96	0.97	1.00	1.02	0.97	0.98	0.94		Continue to Monitor	
	MORROBAY 230KV SECTION 1D	P2	Bus	0.92	0.94	0.88	0.95	0.93	0.95	0.97	1.01	1.02	0.97	0.97	0.94		Continue to Monitor	
	MORROBAY 230KV - SECTION 1D & 1E	P2	Breaker	0.92	0.95	0.88	0.95	0.92	0.95	0.98	1.00	1.02	0.96	0.97	0.94		Continue to Monitor	
MORROBAY 230.0 kV	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	0.86	0.99	Diverge	1.00	1.00	0.99	0.98	Diverge	0.98	Diverge		Under Review	
	MORRO BAY-SOLAR SW STA #1 230KV and TEMPLETON-14C1959SS #1 230KV	P6	N-1-1	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	0.90	0.98	Diverge	1.00	0.99	1.00	0.98	Diverge	0.98	Diverge		Under Review	
MOSSLNSW 230.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.85	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	TEMPLETON-14C1959SS #1 230KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.85	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MOSSLAND 500/230KV TB 9	P1	N-1	0.98	0.98	0.87	0.99	0.95	0.95	0.99	0.95	1.01	0.93	0.94	0.97		Continue to Monitor	
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	0.98	0.98	0.86	0.99	0.95	0.95	0.99	0.95	1.01	0.92	0.94	0.96		Continue to Monitor	
	CABALLEROBES 0.66KV GEN UNIT 1 and OCEANO-CALLENDER SW STA 115KV	P3	G-1/N-1	> 0.9	> 0.9	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MORROBAY 230/115KV TB 6 and OCEANO-CALLENDER SW STA 115KV	P6	N-1-1	0.74	0.85	0.52	0.89	0.81	0.80	> 0.9	> 0.9	> 0.9	0.93	> 0.9	0.88		Under Review	
	CALLENDER SW STA-MESA 115KV	P1	N-1	0.94	0.96	0.88	0.95	0.91	0.97	0.97	0.99	1.01	0.96	0.98	0.95		Continue to Monitor	
	OCEANO-CALLENDER SW STA 115KV	P1	N-1	0.94	0.95	0.88	0.96	0.92	0.97	0.98	1.00	1.02	0.97	0.99	0.95		Continue to Monitor	
	MESA PGE 115KV SECTION 1D	P2	Bus	0.89	0.92	0.83	0.93	0.88	0.95	0.95	0.98	1.01	0.93	0.95	0.92		Under Review	
	CALLENDERSS 115KV SECTION 1E	P2	Bus	0.94	0.96	0.88	0.95	0.91	0.97	0.97	0.99	1.01	0.96	0.98	0.95		Continue to Monitor	
	CALLENDERSS 115KV SECTION 1D	P2	Bus	0.94	0.95	0.88	0.96	0.92	0.97	0.98	1.00	1.02	0.97	0.99	0.95		Continue to Monitor	
	MESA PGE - 1D 115KV & MESA PGE-SNTA MRA LINE	P2	Breaker	0.89	0.93	0.83	0.93	0.88	0.95	0.95	0.98	1.01	0.93	0.95	0.92		Under Review	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	0.76	1.00	Diverge	1.01	1.02	0.97	1.00	Diverge	1.00	Diverge		Under Review	
	MESA PGE 115KV - SECTION 2D & 1D	P2	Breaker	0.91	Diverge	0.86	Diverge	Diverge	Diverge	0.96	0.96	0.97	0.94	0.97	Diverge		Under Review	
	CALLENDERSS 115KV - SECTION 1E & 1D	P2	Breaker	0.94	0.95	0.88	0.96	0.92	0.97	0.98	1.00	1.02	0.97	0.99	0.95		Continue to Monitor	
		MESA 230 KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.90	Diverge	0.85	0.94	0.89	Diverge	0.99	1.01	1.02	0.99	0.99	Diverge		Install redundant battery/relay supply
		CALLENDAR SW STA 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.94	0.95	0.88	0.96	0.92	0.97	0.98	1.00	1.02	0.97	0.99	0.95		Continue to Monitor
		CALLENDER 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.94	0.95	0.88	0.96	0.92	0.97	0.98	1.00	1.02	0.97	0.99	0.95		Continue to Monitor
		MESA 230-115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.90	Diverge	0.85	Diverge	Diverge	Diverge	0.95	0.96	0.95	0.94	0.95	Diverge		Install redundant battery/relay supply
	MORRO BAY-MESA AND MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	0.94	0.83	1.00	Diverge	1.01	1.01	1.02	1.01	0.96	1.01	0.93		Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	0.91	0.85	1.00	Diverge	0.97	1.01	1.03	1.02	0.91	1.00	Diverge		Under Review	
	CALLENDER SW STA-MESA & SAN LUIS OBISPO-SANTA MARIA 115 KV LINES	P7	DCTL	0.91	0.94	0.85	0.94	0.89	0.95	0.96	0.97	1.00	0.94	0.97	0.94		Under Review	
	MESA-SISQUOC AND CALLENDER SW STA-MESA 115 KV LINES	P7	DCTL	0.93	0.96	0.88	0.95	0.91	0.97	0.97	0.99	1.01	0.96	0.98	0.95		Continue to Monitor	
	CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3	P3	G-1/N-1	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.59	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Off-peak only	
	MORRO BAY-TEMPLETON 230KV and TEMPLETON-GATES 230KV	P6	N-1-1	0.65	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.92	> 0.9	> 0.9		Under Review	
	PASO ROBLES-TEMPLETON 70KV	P1	N-1	0.72	0.97	0.92	0.93	0.98	1.00	0.96	0.92	1.02	0.84	0.96	0.97		Under Review	
	SN LS OB 115/70KV TB 3	P1	N-1	0.97	0.99	0.98	0.98	0.99	1.00	0.98	0.59	1.03	0.97	0.98	0.99		Off-peak only	
	SN LS OB 115KV SECTION MA	P2	Bus	0.97	0.99	0.98	0.97	0.99	1.00	0.98	0.59	1.03	0.97	0.98	0.99		Off-peak only	
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	0.97	0.99	0.98	0.98	0.99	1.00	0.99	0.59	1.03	0.97	0.98	0.99		Off-peak only	

Substation	Contingency (All and Worst P6)	Category	Category Description	Voltage PU (Baseline Scenarios)									Voltage PU (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	
PASO ROBLES 70.0 kV	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	0.97	0.99	0.98	0.97	0.99	1.00	0.98	0.59	1.03	0.97	0.98	0.99	Off-peak only
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	0.97	0.99	0.98	0.97	0.99	1.00	0.98	0.59	1.03	0.97	0.98	0.99	Off-peak only
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	0.97	0.99	0.98	0.98	0.99	1.00	0.98	0.59	1.03	0.97	0.98	0.99	Off-peak only
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.97	0.99	0.98	0.98	0.99	1.00	0.98	0.59	1.03	0.97	0.98	0.99	Off-peak only
	TEMPLETON 230-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.72	0.97	0.95	0.93	0.97	1.00	0.96	0.92	1.02	0.84	0.96	0.98	Install redundant battery/relay supply
	SAN LUIS OBISPO 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.97	1.00	0.98	0.98	0.99	1.01	0.99	0.82	1.03	0.97	0.99	1.00	Off-peak only
PAUL SWT 115.0 kV	CAMPEVERS_D1 21.60KV GEN UNIT RE and GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY ROB ROY	P3	G-1/N-1	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review
	MOSS LANDING-GREEN VALLEY #2 115KV and MOSS LANDING-GREEN VALLEY #1 115KV	P6	N-1-1	> 0.9	> 0.9	0.68	0.21	0.87	0.84	0.25	> 0.9	> 0.9	0.29	0.26	0.93	Under Review
	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY ROB ROY	P1	N-1	0.87	1.00	0.91	0.96	0.94	0.91	0.98	1.03	1.03	0.95	0.98	0.98	Under Review
	MOSS LANDING-GREEN VALLEY #1 115KV	P1	N-1	0.88	0.99	0.95	0.96	0.97	0.99	0.98	1.03	1.03	0.95	0.98	0.99	Under Review
	MOSS LANDING-GREEN VALLEY #2 115KV	P1	N-1	0.88	0.99	0.95	0.96	0.97	0.99	0.98	1.03	1.03	0.95	0.98	0.99	Under Review
	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON PAUL SWT ROB ROY	P1	N-1	0.89	1.01	0.95	0.97	0.99	1.02	0.99	1.03	1.03	0.96	0.99	1.00	Under Review
	GREEN VALLEY-PAUL SWEET 115KV (GREENVALLEY-ROB ROY)	P2	Line Section w/o Fault	0.87	1.00	0.91	0.96	0.94	0.91	0.98	1.03	1.03	0.95	0.98	0.98	Under Review
	GREEN VALLEY-PAUL SWEET 115KV (PAUL SWT-ROB ROY)	P2	Line Section w/o Fault	0.89	1.01	0.95	0.97	0.99	1.02	0.99	1.03	1.03	0.96	0.99	1.00	Under Review
	MOSSLNSW 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	0.88	0.99	0.95	0.96	0.97	0.99	0.98	1.03	1.03	0.95	0.98	0.98	Under Review
	MOSSLNSW 115KV - MIDDLE BREAKER BAY 6	P2	Breaker	0.88	0.99	0.95	0.95	0.97	0.99	0.98	1.03	1.03	0.94	0.98	0.98	Under Review
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	0.95	1.01	0.90	0.99	1.00	1.02	1.00	1.03	1.03	0.96	1.00	1.01	Continue to Monitor
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	0.82	0.98	0.91	0.94	0.95	0.98	0.97	1.03	1.03	0.93	0.97	0.97	Under Review
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 3	P2	Breaker	0.88	1.00	0.93	0.97	0.95	0.92	0.99	1.03	1.03	0.96	0.99	0.99	Under Review
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 4	P2	Breaker	0.90	1.00	0.96	0.97	0.98	1.00	0.99	1.03	1.03	0.96	0.99	1.00	Under Review
	ROB ROY 115KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.89	1.01	0.96	0.97	1.00	1.03	0.99	1.03	1.03	0.96	0.99	1.00	Install redundant battery/relay supply
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	0.91	0.67	0.21	0.86	0.82	0.25	1.03	1.03	0.28	0.25	0.90	Under Review
	PRUNEDLE 115.0 kV	MOSSLNSW 230/115KV TB 4 and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9
ROB ROY 115.0 kV	CAMPEVERS_D1 21.60KV GEN UNIT RE and GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY ROB ROY	P3	G-1/N-1	0.86	> 0.9	> 0.9	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review
	MOSS LANDING-GREEN VALLEY #1 115KV and MOSS LANDING-GREEN VALLEY #2 115KV	P6	N-1-1	> 0.9	> 0.9	0.70	0.22	0.87	0.84	0.26	> 0.9	> 0.9	0.29	0.27	> 0.9	Under Review
	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY ROB ROY	P1	N-1	0.86	1.00	0.91	0.96	0.94	0.90	0.98	1.03	1.03	0.95	0.98	0.98	Under Review
	MOSS LANDING-GREEN VALLEY #1 115KV	P1	N-1	0.89	0.99	0.95	0.97	0.97	0.98	0.98	1.03	1.03	0.96	0.98	0.98	Under Review
	MOSS LANDING-GREEN VALLEY #2 115KV	P1	N-1	0.89	0.99	0.95	0.97	0.97	0.98	0.98	1.03	1.03	0.96	0.98	0.98	Under Review
	GREEN VALLEY-PAUL SWEET 115KV (GREENVALLEY-ROB ROY)	P2	Line Section w/o Fault	0.86	1.00	0.91	0.96	0.94	0.90	0.98	1.03	1.03	0.95	0.98	0.98	Under Review
	MOSSLNSW 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	0.89	0.99	0.95	0.97	0.97	0.98	0.98	1.03	1.03	0.96	0.98	0.98	Under Review
	MOSSLNSW 115KV - MIDDLE BREAKER BAY 6	P2	Breaker	0.90	0.99	0.95	0.96	0.97	0.98	0.98	1.03	1.03	0.95	0.98	0.98	Under Review
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 5	P2	Breaker	0.86	0.98	0.92	0.95	0.95	0.96	0.98	1.03	1.02	0.95	0.97	0.97	Under Review
	GREENVALLEY 115KV - MIDDLE BREAKER BAY 3	P2	Breaker	0.87	1.00	0.92	0.97	0.95	0.91	0.99	1.03	1.03	0.96	0.99	0.99	Under Review
	MOSS LANDING - GREEN VALLEY #1 AND #2 115 KV LINES	P7	DCTL	Diverge	0.91	0.70	0.22	0.86	0.82	0.26	1.03	1.03	0.28	0.26	0.90	Under Review
	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor
	MOSSLNSW 230/115KV TB 4 and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	1.00	0.99	0.89	1.01	0.99	1.00	1.01	1.01	1.03	0.99	1.01	1.00	Continue to Monitor
SALINAS 115.0 kV	SALINAS 115/60KV TB 3 and SALINAS 115/60KV TB 2	P6	N-1-1	> 0.9	> 0.9	0.46	0.28	> 0.9	0.33	0.32	0.36	> 0.9	0.27	0.33	> 0.9	Under Review
	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	0.47	0.28	Diverge	0.33	0.32	0.36	1.13	0.26	0.32	Diverge	Install redundant battery/relay supply
	MORRO BAY-TEMPLETON 230KV and TEMPLETON-GATES 230KV	P6	N-1-1	0.66	> 0.9	> 0.9	0.88	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.93	> 0.9	> 0.9	Under Review
SAN MIGUEL 70.0 kV	PASO ROBLES-TEMPLETON 70KV	P1	N-1	0.75	1.00	0.96	0.93	0.99	1.00	0.96	0.95	1.02	0.86	0.96	0.99	Under Review
	SAN MIGUEL-PASO ROBLES 70KV	P1	N-1	0.88	NA	NA	0.92	NA	NA	0.95	NA	NA	0.94	0.95	NA	Under Review
	SN LS OB 115/70KV TB 3	P1	N-1	0.95	1.00	0.99	0.97	0.99	1.00	0.98	0.71	1.02	0.97	0.97	0.99	Off-peak only
	SN LS OB 115KV SECTION MA	P2	Bus	0.95	1.00	0.99	0.97	0.99	1.01	0.98	0.71	1.02	0.97	0.98	0.99	Off-peak only
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	0.95	1.00	0.99	0.97	0.99	1.01	0.98	0.71	1.02	0.97	0.98	0.99	Off-peak only
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	0.95	1.00	0.99	0.97	0.99	1.00	0.98	0.71	1.02	0.97	0.98	0.99	Off-peak only
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	0.95	1.00	0.99	0.97	0.99	1.01	0.98	0.71	1.02	0.97	0.98	0.99	Off-peak only
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	0.95	1.00	0.99	0.97	0.99	1.01	0.97	0.71	1.02	0.97	0.98	0.99	Off-peak only
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.95	1.00	0.99	0.97	0.99	1.01	0.97	0.71	1.02	0.97	0.98	0.99	Off-peak only
	TEMPLETON 230-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.75	1.00	0.98	0.93	0.99	1.00	0.96	0.95	1.02	0.86	0.95	0.99	Install redundant battery/relay supply
	SAN LUIS OBISPO 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.95	1.00	0.99	0.97	0.99	1.01	0.98	0.87	1.02	0.97	0.98	0.99	Off-peak only
SAN BENITO 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor
	CRAZY HORSE CANYON-SAN BENITO 115KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.83	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor

Substation	Contingency (All and Worst P6)	Category	Category Description	Voltage PU (Baseline Scenarios)										Voltage PU (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast		
	MOSSLAND 500/230KV TB 9	P1	N-1	0.99	0.99	0.89	1.01	0.99	1.00	1.02	1.01	1.02	1.00	1.01	1.00	Continue to Monitor	
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	1.00	0.99	0.88	1.01	0.99	1.00	1.01	1.01	1.02	0.99	1.01	1.00	Continue to Monitor	
SISQUOC 115.0 kV	MESA-SISQUOC 115KV and MESA_PGE-SNTA MRA 115KV	P6	N-1-1	0.41	0.44	> 0.9	> 0.9	0.48	> 0.9	> 0.9	> 0.9	> 0.9	0.93	> 0.9	0.45	Under Review	
SN LS OB 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MORROBAY 230/115KV TB 6	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MORROBAY 230/115KV TB 6 and OCEANO-CALLENDER SW STA 115KV	P6	N-1-1	0.79	0.89	0.59	> 0.9	0.86	0.83	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.92	Under Review	
	MORROBAY 230/115KV TB 6	P1	N-1	0.92	0.95	0.89	0.96	0.93	0.96	0.98	1.00	1.02	0.97	0.98	0.94	Continue to Monitor	
	MESA_PGE 115KV SECTION 1D	P2	Bus	0.93	0.96	0.88	0.97	0.93	0.98	0.97	0.99	1.01	0.96	0.98	0.95	Continue to Monitor	
	MORROBAY 230KV SECTION 1D	P2	Bus	0.92	0.94	0.88	0.96	0.93	0.95	0.97	1.01	1.02	0.97	0.97	0.94	Continue to Monitor	
	MORRO BY 115KV SECTION 1D	P2	Bus	0.92	0.95	0.89	0.97	0.94	0.97	0.98	1.01	1.02	0.98	0.98	0.95	Continue to Monitor	
	MORRO BY - 1D 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	0.92	0.95	0.89	0.97	0.94	0.97	0.98	1.01	1.02	0.98	0.98	0.95	Continue to Monitor	
	MESA_PGE - 1D 115KV & MESA_PGE-SNTA MRA LINE	P2	Breaker	0.93	0.96	0.89	0.97	0.93	0.98	0.98	0.99	1.01	0.96	0.98	0.96	Continue to Monitor	
	MORROBAY 230KV - SECTION 1D & 1E	P2	Breaker	0.93	0.95	0.88	0.96	0.93	0.95	0.98	1.00	1.02	0.96	0.97	0.94	Continue to Monitor	
	MORROBAY 230KV - SECTION 1E & 2E	P2	Breaker	Diverge	Diverge	0.82	0.98	Diverge	1.00	1.00	0.97	0.98	Diverge	0.98	Diverge	Under Review	
	MORRO BAY-MESA and MORRO BAY-DIABLO 230 KV LINES	P7	DCTL	Diverge	0.94	0.88	0.99	Diverge	1.01	1.00	1.01	1.00	0.95	1.00	0.93	Under Review	
	MORRO BAY-MESA AND DIABLO-MESA 230 KV LINES	P7	DCTL	Diverge	0.93	0.90	1.00	Diverge	0.94	1.01	1.02	1.01	0.93	1.00	Diverge	Under Review	
	CALLENDER SW STA-MESA & SAN LUIS OBISPO-SANTA MARIA 115 KV LINES	P7	DCTL	0.95	0.97	0.90	0.97	0.94	0.98	0.99	0.99	1.01	0.97	0.99	0.97	Continue to Monitor	
	SN LS OB 70.0 kV	SN LS OB 115/70KV TB 3	P1	N-1	0.95	0.95	0.94	0.96	0.94	0.95	0.96	0.53	1.00	0.96	0.96	0.95	Off-peak only
CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3		P3	G-1/N-1	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.53	> 0.9	> 0.9	> 0.9	> 0.9	Off-peak only	
MORROBAY 230/115KV TB 6 and OCEANO-CALLENDER SW STA 115KV		P6	N-1-1	0.87	> 0.9	0.66	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review	
SN LS OB 115KV SECTION MA		P2	Bus	0.95	0.95	0.93	0.95	0.94	0.95	0.96	0.53	1.00	0.96	0.96	0.95	Off-peak only	
SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE		P2	Breaker	0.95	0.95	0.94	0.95	0.94	0.95	0.96	0.53	1.00	0.96	0.96	0.95	Off-peak only	
SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE		P2	Breaker	0.95	0.95	0.93	0.95	0.94	0.95	0.96	0.53	1.00	0.96	0.96	0.95	Off-peak only	
SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE		P2	Breaker	0.95	0.95	0.93	0.95	0.94	0.95	0.96	0.53	1.00	0.96	0.96	0.95	Off-peak only	
NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162		P5	Non-Redundant Battery/Relay	0.95	0.95	0.93	0.95	0.94	0.95	0.95	0.53	1.00	0.96	0.96	0.95	Off-peak only	
SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)		P5	Non-Redundant Battery/Relay	0.95	0.95	0.93	0.95	0.94	0.95	0.95	0.53	1.00	0.96	0.96	0.95	Off-peak only	
MESA-SISQUOC 115KV and MESA_PGE-SNTA MRA 115KV		P6	N-1-1	0.38	0.41	> 0.9	> 0.9	0.45	> 0.9	> 0.9	> 0.9	> 0.9	0.93	> 0.9	0.42	Under Review	
SOLEDAD 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	TEMPLETON-14C19595S #1 230KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MOSSLAND 500/230KV TB 9	P1	N-1	0.99	0.97	0.89	1.00	0.98	0.99	1.01	1.00	1.02	1.00	1.01	0.98	Continue to Monitor	
SOLEDAD 60.0 kV	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	1.00	0.97	0.87	1.00	0.98	0.99	1.00	1.00	1.02	0.99	1.01	0.98	Continue to Monitor	
	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	TEMPLETON-14C19595S #1 230KV and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.86	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MOSSLAND 500/230KV TB 9	P1	N-1	1.00	0.97	0.89	1.00	0.98	0.99	1.01	1.00	1.03	1.00	1.01	0.98	Continue to Monitor	
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	1.00	0.97	0.87	1.00	0.98	0.99	1.01	1.00	1.03	0.99	1.01	0.98	Continue to Monitor	
SPENCE 115.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and MOSSLAND 500/230KV TB 9	P3	G-1/N-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MOSSLNSW 230/115KV TB 4 and MOSSLAND 500/230KV TB 9	P6	N-1-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	MOSSLAND 500/230KV TB 9	P1	N-1	0.95	0.95	0.89	0.96	0.96	1.00	0.98	0.98	1.02	0.97	0.99	0.96	Continue to Monitor	
	MOSSLNSW 230KV - MIDDLE BREAKER BAY 7	P2	Breaker	0.95	0.95	0.88	0.96	0.96	1.00	0.97	0.98	1.02	0.97	1.00	0.96	Continue to Monitor	
	MOSS LANDING - SALINAS #1 AND #2 115 KV LINES	P7	DCTL	0.93	0.93	0.90	0.96	0.93	0.95	0.96	0.96	1.01	0.94	0.96	0.92	Continue to Monitor	
SPENCE 60.0 kV	MLPB1CTG1 18.00KV & MLPB1CTG2 18.00KV & MLPB1STG1 18.00KV GEN UNITS and SALINAS1-FIRESTNE 60KV	P3	G-1/N-1	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review	
	SALINAS 115/60KV TB 3 and SALINAS 115/60KV TB 2	P6	N-1-1	> 0.9	> 0.9	> 0.9	0.26	> 0.9	> 0.9	0.30	0.33	> 0.9	0.24	0.31	> 0.9	Under Review	
	SALINAS1-FIRESTNE 60KV	P1	N-1	0.90	0.88	NA	0.94	0.88	NA	0.96	0.96	NA	0.91	0.96	0.87	Under Review	
	SALINAS-SPENCE 60KV	P1	N-1	0.91	0.90	NA	0.96	0.91	NA	0.97	0.97	NA	0.93	0.97	0.89	Under Review	
	SALINAS-SPENCE 60KV (2)	P1	N-1	0.91	0.89	NA	0.95	0.89	NA	0.96	0.96	NA	0.92	0.96	0.89	Under Review	
	SALINAS 115KV BAAH BUS #1 OR #2 (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	Diverge	Diverge	NA	0.26	Diverge	NA	0.30	0.33	NA	0.23	0.30	Diverge	Install redundant battery/relay supply	
	TEMPLETON 230.0 kV	CABALLEROBES 0.66KV GEN UNIT 1 and TEMPLETON-14C19595S #1 230KV	P3	G-1/N-1	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review
MORRO BAY-SOLAR SW STA #2 230KV and TEMPLETON-14C19595S #1 230KV		P6	N-1-1	> 0.9	> 0.9	0.85	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review	
MORROBAY 230KV - SECTION 1E & 2E		P2	Breaker	Diverge	Diverge	0.90	0.98	Diverge	1.00	0.99	1.00	0.99	Diverge	0.97	Diverge	Under Review	
CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3		P3	G-1/N-1	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.58	> 0.9	> 0.9	> 0.9	> 0.9	Off-peak only	
MORRO BAY-TEMPLETON 230KV and TEMPLETON-GATES 230KV		P6	N-1-1	0.69	> 0.9	> 0.9	0.89	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Under Review	
SN LS OB 115/70KV TB 3		P1	N-1	0.99	1.00	1.00	0.99	0.99	1.00	0.99	0.58	1.03	0.99	0.99	1.00	Off-peak only	
SN LS OB 115KV SECTION MA		P2	Bus	0.99	1.00	1.00	0.99	0.99	1.00	1.00	0.58	1.03	0.99	0.99	0.99	Off-peak only	
SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE		P2	Breaker	0.99	1.00	1.00	0.99	0.99	1.00	1.00	0.58	1.03	0.99	1.00	1.00	Off-peak only	
SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE		P2	Breaker	0.99	1.00	1.00	0.99	0.99	1.00	1.00	0.58	1.02	0.99	0.99	0.99	Off-peak only	
SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE		P2	Breaker	0.99	1.00	1.00	0.99	0.99	1.00	1.00	0.58	1.03	0.99	0.99	0.99	Off-peak only	
TEMPLETON/IT1 70.0 kV	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	0.99	1.00	0.99	0.99	0.99	1.00	0.99	0.58	1.02	0.99	1.00	1.00	Off-peak only	
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	0.99	1.00	0.99	0.99	0.99	1.00	0.99	0.58	1.02	0.99	1.00	1.00	Off-peak only	
	SAN LUIS OBISPO 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	0.99	1.01	0.99	0.99	1.00	1.01	1.00	0.81	1.03	0.99	1.00	1.01	Off-peak only	
	CALPOLYSLO 12.47KV GEN UNIT RN and SN LS OB 115/70KV TB 3	P3	G-1/N-1	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	0.64	> 0.9	> 0.9	> 0.9	> 0.9	Off-peak only	
	ESTRELLA 230/70KV TB 1 and TEMPLETON-14C19595S #1 230KV	P6	N-1-1	> 0.9	> 0.9	0.87	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	Continue to Monitor	
	SN LS OB 115/70KV TB 3	P1	N-1	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only	

Substation	Contingency (All and Worst P6)	Category	Category Description	Voltage PU (Baseline Scenarios)									Voltage PU (Sensitivity Scenarios)			Project & Potential Mitigation Solutions
				2028 Summer Peak	2031 Summer Peak	2036 Summer Peak	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	
UNIONPGAE 70.0 kV	SN LS OB 115KV SECTION MA	P2	Bus	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #2 LINE	P2	Breaker	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only
	SN LS OB - MA 115KV & MORRO BAY-SAN LUIS OBISPO #1 LINE	P2	Breaker	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only
	SN LS OB - MA 115KV & TEMBLOR-SAN LUIS OBISPO LINE	P2	Breaker	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only
	NO BF RELAY SAN LUIS OBISPO 115KV CB 112 132 142 152 OR 162	P5	Non-Redundant Battery/Relay	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only
	SAN LUIS OBISPO 115KV BUS (FAILURE OF NON-REDUNDENT RELAY)	P5	Non-Redundant Battery/Relay	NA	1.01	1.01	NA	1.01	1.02	NA	0.64	1.02	NA	NA	1.01	Off-peak only
	SAN LUIS OBISPO 115-70KV BATT(FAILURE OF NON-REDUNDENT BATT)	P5	Non-Redundant Battery/Relay	NA	1.01	1.01	NA	1.01	1.02	NA	0.84	1.02	NA	NA	1.01	Off-peak only

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	2028 Winter Peak	2031 Winter Peak	2041 Winter Peak	2028 Spring Off-Peak	2031 Spring Off-Peak	2036 Summer-Off Peak	2028 SP Heavy Renewable & Min Gas Gen	2028 OP Sensitivity	2031 SP High CEC Forecast	
ATASCDRO 70.0 kV	SN LS OB 115/70KV TB 3	P1	N-1	< 8	< 8	< 8	< 8	< 8	< 8	< 8	47	< 8	< 8	< 8	< 8	Off-peak only
CALLENDERSS 115.0 kV	CALLENDER SW STA-MESA 115KV	P1	N-1	< 8	< 8	11	< 8	8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
CAYUCOS 70.0 kV	SN LS OB 115/70KV TB 3	P1	N-1	< 8	< 8	< 8	< 8	< 8	< 8	< 8	48	< 8	< 8	< 8	< 8	Off-peak only
CMP EVRS 115.0 kV	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P1	N-1	< 8	< 8	< 8	< 8	< 8	10	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
COBURN 230.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
KING CTY 60.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	9	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
MORRO BY 115.0 kV	MORROBAY 230/115KV TB 6	P1	N-1	9	< 8	10	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
MOSSLNSW 230.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	11	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Continue to Monitor
OCEANO 115.0 kV	CALLENDER SW STA-MESA 115KV	P1	N-1	< 8	< 8	9	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Continue to Monitor
	OCEANO-CALLENDER SW STA 115KV	P1	N-1	< 8	< 8	10	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Continue to Monitor
PASO ROBLES 70.0 kV	PASO ROBLES-TEMPLETON 70KV	P1	N-1	25	< 8	< 8	< 8	< 8	< 8	< 8	10	< 8	13	< 8	< 8	Under Review
	SN LS OB 115/70KV TB 3	P1	N-1	< 8	< 8	< 8	< 8	< 8	< 8	< 8	42	< 8	< 8	< 8	< 8	Off-peak only
PAUL SWT 115.0 kV	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P1	N-1	9	< 8	< 8	< 8	< 8	11	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
ROB ROY 115.0 kV	GREEN VALLEY-PAUL SWEET 115KV MOAS OPENED ON GREENVALLEY_ROB ROY	P1	N-1	10	< 8	< 8	< 8	< 8	10	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
SAN MIGUEL 70.0 kV	PASO ROBLES-TEMPLETON 70KV	P1	N-1	21	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	10	< 8	< 8	Under Review
	SN LS OB 115/70KV TB 3	P1	N-1	< 8	< 8	< 8	< 8	< 8	< 8	< 8	31	< 8	< 8	< 8	< 8	Off-peak only
SANBENITO 115.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	9	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
SN LS OB 115.0 kV	MORROBAY 230/115KV TB 6	P1	N-1	< 8	< 8	8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
SN LS OB 70.0 kV	SN LS OB 115/70KV TB 3	P1	N-1	< 8	< 8	9	< 8	< 8	< 8	< 8	49	< 8	< 8	< 8	< 8	Under Review
SOLEDAD 115.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	9	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
SOLEDAD 60.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	9	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	< 8	Under Review
SPENCE 115.0 kV	MOSSLAND 500/230KV TB 9	P1	N-1	< 8	< 8	9	< 8	NA	< 8	< 8	< 8	< 8	NA	NA	NA	Under Review
TEMPLETONJT1 70.0 kV	SN LS OB 115/70KV TB 3	P1	N-1	< 8	< 8	< 8	< 8	< 8	< 8	< 8	44	< 8	< 8	< 8	< 8	Off-peak only
UNIONPGAE 70.0 kV	SN LS OB 115/70KV TB 3	P1	N-1	NA	< 8	< 8	NA	< 8	< 8	NA	37	< 8	NA	NA	< 8	Off-peak only

Contingency	Category	Category Description	Transient Stability Performance						Potential Mitigation Solutions
			Baseline Scenarios				Sensitivity Scenarios		
			2028 Spring Off-Peak	2031 Summer Peak	2036 Summer Peak	2036 Summer-Off Peak	2028 Spring OP Sensitivity	2031 SP High CEC Forecast	
In accordance with TPL-001-5- Requirement R2.6, this area relies on the past studies from the 2024-25 Transmission Planning Process for transient stability studies:									
https://stakeholdercenter.caiso.com/InitiativeDocuments/BoardApproved-AppendixC-2024-2025-TransmissionPlan.pdf									

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	2036 Winter 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	2036 Winter 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