

Overloaded Facility	Contingency (All and Worst P6)						Category	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	2028 SP High CEC Forecast	2025 SP Heavy Renewable & Min Gas Gen	2025 Spr Shoulder-Peak Heavy Renewable	
21076 RAMON230 230 24806 MIRAGE 230 1 1	CVSUB230 230.0 to MIRAGE	230.0 Circuit 1 Line RAMON230	230.0 to MIRAGE	230.0 Circuit 2			P6	N-1-1	<100	<100	117.2	<100	112.3	<100	<100	<100	Path 42 RAS
25401 EAGLEMTN 230 25405 IRON MTN 230 1 1	J.HINDS - MIRAGE 230 kv Line BLYTHESC - EAGLEMTN 161 kv						P6	N-1-1	129.5	<100	123.0	<100	<100	<100	129.6	<100	Blythe RAS (arming point update needed)*
25401 EAGLEMTN 230 25405 IRON MTN 230 1 1	DEVERS 230.0 to MIRAGE	230.0 Ckt 1 Line DEVERS	230.0 to MIRAGE	230.0 Ckt 2			P7	DCTL	<100	<100	<100	<100	105.6	<100	<100	<100	Path 42 RAS
25401 EAGLEMTN 230 25405 IRON MTN 230 1 1	J.HINDS - MIRAGE 230 kv						P1	N-1	<100	<100	<100	123.4	<100	<100	<100	<100	Blythe RAS (arming point update needed)*
25405 IRON MTN 230 24019 CAMINO 230 1 1	J.HINDS - MIRAGE 230 kv Line BLYTHESC - EAGLEMTN 161 kv						P6	N-1-1	119.4	<100	113.2	<100	<100	<100	119.5	<100	Blythe RAS (arming point update needed)*
25405 IRON MTN 230 24019 CAMINO 230 1 1	DEVERS 230.0 to MIRAGE	230.0 Ckt 1 Line DEVERS	230.0 to MIRAGE	230.0 Ckt 2			P7	DCTL	<100	<100	<100	<100	105.0	<100	<100	<100	Path 42 RAS
25405 IRON MTN 230 24019 CAMINO 230 1 1	J.HINDS - MIRAGE 230 kv						P1	N-1	<100	<100	<100	122.9	<100	<100	<100	<100	Blythe RAS (arming point update needed)*
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CAMINO - GENE - IRON MTN - MEAD 230 kv OUTAGE						P1	N-1	<100	Diverge	<100	<100	113.7	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	DEVERS 230.0 to MIRAGE	230.0 Ckt 1 Line DEVERS	230.0 to MIRAGE	230.0 Ckt 2			P7	DCTL	<100	<100	<100	<100	115.0	<100	<100	<100	Path 42 RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	COLRIVER - REDBLUFF 500.0 #1 Line COLRIVER - REDBLUFF 500.0 #2						P6	N-1-1	<100	<100	<100	<100	115.1	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	DEVERS - REDBLUFF 500.0 #1 Line DEVERS - REDBLUFF 500.0 #2						P6	N-1-1	108.0	<100	107.9	<100	119.3	<100	120.8	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	EAGLEMTN-IRON MTN 230 kv						P1	N-1	<100	<100	<100	<100	115.0	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	J.HindsMWD, J.HindMWD portion & EagleMTN-J.Hinds Jh & Eagle Shunt Reactor						P2/P4	CB & LLTRE	140.9	<100	138.0	<100	<100	<100	141.0	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	EagleMTN loss EagleMTN sub. Jh & Eagle Shunt Reactor						P2/P4	CB & LLTRE	119.3	<100	<100	<100	<100	<100	119.7	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CB405-EagleMTN loss EagleMTN sub and J.Hind MWD portion Jh & Eagle Shunt Reactor						P2/P4	CB & LLTRE	140.9	<100	138.0	<100	<100	<100	141.0	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CB407-EagleMTN loss EagleMTN sub and EagleMT-ironMTN Jh & Eagle Shunt Reactor						P2/P4	CB & LLTRE	119.3	<100	<100	<100	<100	<100	119.7	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CB307. Eagle-Iron-Camino-Gene-Mead 230kv-loss Iron Jh Shunt Reactor						P2/P4	CB & LLTRE	<100	<100	<100	<100	114.5	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CB307. Eagle-Iron-Camino-Gene-Mead 230kv-loss Iron Eagle Shunt Reactor						P2/P4	CB & LLTRE	<100	<100	<100	<100	111.4	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CB208. Iron-Camino-Gene-Mead-Parker 230kv-loss Gene Jh Shunt Reactor						P2/P4	CB & LLTRE	<100	<100	<100	<100	113.7	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	CB208. Iron-Camino-Gene-Mead-Parker 230kv-loss Gene Eagle Shunt Reactor						P2/P4	CB & LLTRE	<100	<100	<100	<100	110.9	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	Open CB405-EagleMT. Line JHINDMWD - EAGLEMTN 230 kv Jh Shunt Reactor						P2/P4	CB & LLTRE	119.3	<100	<100	<100	<100	<100	119.7	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	Open CB405-EagleMT. Line JHINDMWD - EAGLEMTN 230 kv Eagle Shunt Reactor						P2/P4	CB & LLTRE	119.3	<100	<100	<100	<100	<100	119.7	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	Open CB407-EagleMT. Line EAGLEMTN - IRON MTN 230 kv Jh Shunt Reactor						P2/P4	CB & LLTRE	<100	<100	<100	<100	115.0	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	Open CB407-EagleMT. Line EAGLEMTN - IRON MTN 230 kv Eagle Shunt Reactor						P2/P4	CB & LLTRE	141.0	<100	<100	<100	112.1	<100	<100	<100	Blythe RAS
25406 J.HINDS 230 24806 MIRAGE 230 1 1	JHINDMWD - EAGLEMTN 230 kv						P1	N-1	140.9	<100	138.0	<100	<100	<100	<100	<100	Blythe RAS
25512 JHINDMWD 230 25401 EAGLEMTN 230 1 1	J.HINDS - MIRAGE 230 kv Line BLYTHESC - EAGLEMTN 161 kv						P6	N-1-1	159.8	<100	151.9	Diverge	<100	<100	160.0	<100	Blythe RAS (arming point update needed)*
25512 JHINDMWD 230 25401 EAGLEMTN 230 1 1	DEVERS 230.0 to MIRAGE	230.0 Ckt 1 Line DEVERS	230.0 to MIRAGE	230.0 Ckt 2			P7	DCTL	141.6	<100	<100	112.5	141.04*	<100	146.5	<100	Blythe RAS (arming point update needed)*
25512 JHINDMWD 230 25401 EAGLEMTN 230 1 1	J.HINDS - MIRAGE 230 kv						P1	N-1	148.9	<100	143.6	185.23*	<100	<100	149.1	<100	Blythe RAS (arming point update needed)*
25512 JHINDMWD 230 25401 EAGLEMTN 230 1 1	J.HINDS - MIRAGE 230 kv Line EAGLEMTN-IRON MTN 230 kv						P6	N-1-1	Diverge	Diverge	Diverge	Diverge	<100	Diverge	Diverge	<100	Blythe RAS (arming point update needed)*
25512 JHINDMWD 230 25401 EAGLEMTN 230 1 1	CAMINO - GENE - IRON MTN - MEAD 230 kv Line Julian Hinds - Mirage						P6	N-1-1	Diverge	Diverge	Diverge	Diverge	<100	Diverge	Diverge	<100	Blythe RAS (arming point update needed)*
25512 JHINDMWD 230 25406 J.HINDS 230 r1 1	J.HINDS - MIRAGE 230 kv Line BLYTHESC - EAGLEMTN 161 kv						P6	N-1-1	153.8	<100	146.1	Diverge	<100	<100	153.9	<100	Blythe RAS
25512 JHINDMWD 230 25406 J.HINDS 230 r1 1	DEVERS 230.0 to MIRAGE	230.0 Ckt 1 Line DEVERS	230.0 to MIRAGE	230.0 Ckt 2			P7	DCTL	136.2	<100	<100	<100	114.3	<100	140.3	<100	Blythe RAS
25512 JHINDMWD 230 25406 J.HINDS 230 r1 1	J.HINDS - MIRAGE 230 kv						P1	N-1	142.7	<100	137.6	150.2	<100	<100	142.8	<100	Blythe RAS
24900 COLRIVER 500 24959 colrvr2i 13.8 2 1	Tran COLRIVER 500/230/13.8 #1						P1	N-1	128.1	<100	<100	<100	<100	<100	165.8	<100	WOCR CRAS
24900 COLRIVER 500 24993 colrvr1i 13.8 1 1	Tran COLRIVER 500/230/13.8 #2						P1	N-1	128.1	<100	<100	<100	<100	<100	165.8	<100	WOCR CRAS
24374 REDBLUFF 500 24379 redblf1i 13.8 1 1	Tran REDBLUFF 500/230/13.8 #2						P1	N-1	117.5	<100	<100	<100	<100	<100	132.6	<100	WOCR CRAS
24374 REDBLUFF 500 24377 redblf2i 13.8 2 1	Tran REDBLUFF 500/230/13.8 #1						P1	N-1	117.5	<100	<100	<100	<100	<100	132.6	<100	WOCR CRAS

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Contingency	Category	Category Description	Transient Stability Performance					Potential Mitigation Solutions
			Baseline Scenarios			Sensitivity Scenarios		
			2028 Summer Peak	2035 Summer Peak	2025 Spring Off-Peak	2028 SP High CEC Forecast	2025 Spr Shoulder-Peak Heavy Renewable	
EagleMTN-BlytheSCE 161 kV	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-BlytheSCE 161 kV & Blythe 1CT	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-IronMTN 230 kV	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV & Blythe 1CT trip (RAS)	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV & Blythe 1CT trip (RAS)	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Palo Verde 500 kV, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River - Red Bluff 500 kV #1, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Red Bluff 500 kV #1, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Valley 500 kV #1, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Valley-Serrano/Alberhill 500 kV, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers 500/230 AA #2, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Imperial Valley - N. Gila 500 kV	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Imperial Valley - N. Gila 500 kV, no Devers SVC	P1	N-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds Bus tie CB fault, loss Julian Hinds	P2.4	Bus-Tie-Breaker	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers Middle CB fault, loss of Devers - Red Bluff 500 kV #1 and Devers-Valley 500 kV #1, no Devers SVC	P2.3	Non-Bus-Tie Breaker	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers Middle CB fault, loss of Devers - Red Bluff 500 kV #2 and Devers 1AA Bank, no Devers SVC	P2.3	Non-Bus-Tie Breaker	No Issues	No Issues	No Issues	No Issues	No Issues	
BlytheSCE-EagleMTN 161 kV, CB 872 stuck at BlytheSCE	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
BlytheSCE-EagleMTN 161 kV, CB 872 stuck at BlytheSCE & Blythe 1CT trip (RAS)	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
BlytheSCE-EagleMTN 161 kV, CB 70 stuck at EagleMTN	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
BlytheSCE-EagleMTN 161 kV, CB 70 stuck at EagleMTN & Blythe 1CT trip (RAS)	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-IronMTN 230 kV, CB 407 stuck at EagleMTN	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-IronMTN 230 kV, CB 407 stuck at EagleMTN & Blythe 1CT trip (RAS)	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-IronMTN 230 kV, CB 307 stuck (close to Iron)	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV, CB 405 stuck at EagleMTN	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV, CB 405 stuck at EagleMTN & Blythe 1CT trip (RAS)	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV, Stuck CB 509 at J.Hinds	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN 230/161 kV Transformer #5, Stuck CB432 at EagleMTN	P4.3	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN 230/161 kV Transformer #5, Stuck CB432 at EagleMTN & Blythe 1CT trip (RAS)	P4.3	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Valley-Serrano/Alberhill 500 kV with stuck breaker followed by Valley 4AA Bank	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Red Bluff 500 kV #1 with stuck breaker followed by Devers-Valley 500 kV #1	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Red Bluff 500 kV #2 with stuck breaker followed by Devers 1AA bank	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Mirage 230 kV with stuck breaker followed by Coachell Valley-Mirage 230 kV	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Vista 230 kV #1 with stuck breaker followed by Devers 3A bank	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Vista 230 kV #2 with stuck breaker followed by Devers 1AA bank	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - El Casco 230 kV with stuck breaker followed by El Casco 2A bank	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Mirage-J.Hinds 230 kV with stuck breaker followed by Mirage-Ramon 230 kV	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
Mirage-J.Hinds 230 kV with stuck breaker followed by Mirage-Ramon 230 kV Blythe 1CT trip (RAS)	P4.2	Breaker Failure	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Julian Hinds 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
BlytheSCE 161 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Mirage 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Devers 500 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
El Casco 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
San Bernardino 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Vista 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Etiwanda 230 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Valley 500 kV Bus, non-Redundant DC Supply fail	P5.3.13c	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Add redundant DC supply
Colorado River-Palo Verde 500 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Red Bluff 500 kV #1, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River 1AA Bank, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Genesis 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Black Creek 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Dracker 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Suncatcher 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Crimson 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Centipede 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Filippi 230 kV, non-Redundant Trip Coil fail at Colorado River	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River-Red Bluff 500 kV #1, non-Redundant Trip Coil fail at Red Bluff	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Red Bluff 1AA Bank, non-Redundant Trip Coil fail at Red Bluff	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Red Bluff 500 kV No. 2, non-Redundant Trip Coil fail at Red Bluff	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Desert Sunlight-Red Bluff 230 kV, non-Redundant Trip Coil fail at Red Bluff	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Black Ranch-Red Bluff 230 kV, non-Redundant Trip Coil fail at Red Bluff	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Almasol-Red Bluff 230 kV, non-Redundant Trip Coil fail at Red Bluff	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Red Bluff 500 kV No. 2, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	

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			Baseline Scenarios			Sensitivity Scenarios		
			2028 Summer Peak	2035 Summer Peak	2025 Spring Off-Peak	2028 SP High CEC Forecast	2025 Spr Shoulder-Peak Heavy Renewable	
Devers-Valley 500 kV No. 1, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers 1AA Bank, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-El Casco 230 kV, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Mirage 230 kV No. 1, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-San Bernardino 230 kV, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Sentinel 230 kV, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Vista 230 kV No. 2, non-Redundant Trip Coil fail at Devers	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-El Casco 230 kV, non-Redundant Trip Coil fail at El Casco	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
El Casco-San Bernardino 230 kV, non-Redundant Trip Coil fail at El Casco	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
El Casco-San Bernardino 230 kV, non-Redundant Trip Coil fail at San Bernardino	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-San Bernardino 230 kV, non-Redundant Trip Coil fail at San Bernardino	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Etiwanda-San Bernardino 230 kV, non-Redundant Trip Coil fail at San Bernardino	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Mountainview-San Bernardino 230 kV No. 3, non-Redundant Trip Coil fail at San Bernardino	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
San Bernardino-Vista 230 kV, non-Redundant Trip Coil fail at San Bernardino	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
San Bernardino-Vista 230 kV, non-Redundant Trip Coil fail at Vista	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Vista 230 kV No. 1, non-Redundant Trip Coil fail at Vista	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Etiwanda-Vista 230 kV, non-Redundant Trip Coil fail at Vista	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Mira Loma-Vista 230 kV No. 1, non-Redundant Trip Coil fail at Vista	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Mira Loma-Vista 230 kV No. 2, non-Redundant Trip Coil fail at Vista	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Etiwanda-San Bernardino 230 kV, non-Redundant Trip Coil fail at Etiwanda	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Etiwanda-Vista 230 kV, non-Redundant Trip Coil fail at Etiwanda	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Valley 500 kV No. 1, non-Redundant Trip Coil fail at Valley	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Serrano-Valley 500 kV, non-Redundant Trip Coil fail at Valley	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Valley 1AA Bank, non-Redundant Trip Coil fail at Valley	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Valley 4AA Bank, non-Redundant Trip Coil fail at Valley	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-Mirage 230 kV No. 1, non-Redundant Trip Coil fail at Mirage	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV, non-Redundant Trip Coil fail at Mirage	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Mirage-Ramon 230 kV, non-Redundant Trip Coil fail at Mirage	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Coachella Valley-Mirage 230 kV, non-Redundant Trip Coil fail at Mirage	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV, non-Redundant Trip Coil fail at Julian Hinds	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Buck Blvd-Julian Hinds 230 kV, non-Redundant Trip Coil fail at Julian Hinds	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Eagle Mtn-Julian Hinds (MWD) , non-Redundant Trip Coil fail at Julian Hinds	P5.4.13d	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
BlytheSCE-EagleMTN 161 kV, non-redundant pilot relay fail, SLG near BlytheSC	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
BlytheSCE-EagleMTN 161 kV, non-redundant pilot relay fail, SLG near EagleMtn	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-IronMTN 230 kV, non-redundant pilot relay fail, SLG near EagleMTN	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
EagleMTN-IronMTN 230 kV, non-redundant pilot relay fail, SLG near IronMtn	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV, non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV & Blythe 1CT trip (RAS), non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV, non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-EagleMTN 230 kV & Blythe 1CT trip (RAS), non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV, non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV & Blythe 1CT trip (RAS), non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV, non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage 230 kV & Blythe 1CT trip (RAS), non-redundant pilot relay fail	P5.2	Non-Redundant Relay	No Issues	No Issues	No Issues	No Issues	No Issues	
Julian Hinds-Mirage & EagleMTN-IronMTN 230 kV	P6.1	N-1-1	Diverge	Diverge	No Issues	Diverge	No Issues	ISO7720 (OP) with system adjustments after the first contingency
Julian Hinds-Mirage & EagleMTN-IronMTN 230 kV & ISO7720 (OP)	P6.1	N-1-1	Diverge	No Issues	No Issues	Diverge	No Issues	ISO7720 (OP) with system adjustments after the first contingency
Colorado River - Red Bluff 500 kV #1 & #2	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Red Bluff 500 kV #1 & #2	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Valley 500 kV #1 & #2	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Etiwanda - San Bernardino & El Casco-San Bernardino 230kV	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
San Bernardino - Vista & Devers - San Bernardino 230kV	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Colorado River - Palo Verde & Colorado River - Delaney 500 kV	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Mirage-Ramon & Coachella Valley-Mirage 230 kV	P6.1	N-1-1	No Issues	Diverge	No Issues	No Issues	No Issues	Path 42 RAS, Blythe RAS
Mirage-Ramon & Coachella Valley-Mirage 230 kV with RAS	P6.1	N-1-1	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Mirage 230 kV #1 & #2	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Mirage 230 kV #1 & #2 with RAS	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-San Bernardino & Devers-El Casco 230 kV	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers-San Bernardino & San Bernardino-El Casco 230 kV	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Devers - Vista 230 kV #1 & #2	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Etiwanda-San Bernardino & San Bernardino-Vista 230 kV	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Mira Loma-Vista #2 & Mira Loma-Vista #1/Vista-Wildlife 230 kV	P7.1	DCTL	No Issues	No Issues	No Issues	No Issues	No Issues	
Coachella Valley-Ramon & Coachella Valley-Mirage 230 kV	P7.1	DCTL	Oscillations	Oscillations	No Issues	Oscillations	No Issues	Path 42 RAS with system adjustments
Coachella Valley-Ramon & Coachella Valley-Mirage 230 kV with RAS	P7.1	DCTL	Oscillations	Oscillations	No Issues	Oscillations	No Issues	Path 42 RAS with system adjustments
Devers Substation 500 kV Bus & AA Banks	Extreme	NA	No Issues	No Issues	No Issues	No Issues	No Issues	
Valley Substation 500 kV Bus & AA Banks	Extreme	NA	No Issues	No Issues	No Issues	No Issues	No Issues	
Loss of Mountainview Generation Station	Extreme	NA	No Issues	No Issues	No Issues	No Issues	No Issues	



Worst Contingency	Category	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	2028 SP High CEC Forecast	2025 SP Heavy Renewable & Min Gas Gen	2025 Spr Shoulder-Peak Heavy Renewable	

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



Substation	Load Served (MW)												Potential Mitigation Solutions

No single source substation with more than 100 MW