

## **APPENDIX F: Contingencies on the ISO System that may Impact Adjacent Systems**

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Study Area: **PG&E Bulk**

Contingency files: See Contingency List

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files > PGE 21-22 TPP Bulk Contingency Files

Study Area: **PG&E North Valley**

Contingency files: See Contingency List

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files>PGE 21-22 TPP NVLY Contingency Files

Study Area: **PG&E Central Valley**

Contingency files: See Contingency List

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files>PGE 21-22 TPP CVLY Contingency Files

Study Area: **PG&E Greater Bay Area**

Contingency files: See contingency list

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files> PGE 21-22 TPP GBA Contingency Files

Study Area: **PG&E Greater Fresno**

Contingency files: See contingency list

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files>PGE 21-22 Fresno Contingency Files

Study Area: **PG&E Kern**

Contingency files: See Contingency List

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files>PGE 21-22 TPP Kern Contingency Files



Study Area: **PG&E Central Coast & Los Padres**

Contingency files: See contingency list

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process >Contingency Files>PGE 21-22 CCLP Contingency Files

## Study Area: Consolidated Southern CA

Contingency file location: Market Participant Portal ->Transmission Planning ->2021-2022 ISO  
Transmission Planning Process ->Contingency Files>

No	Contingency	Category Description	Description of RAS if Applicable	Potentially Affected Adjacent Area
	Steady State Contingencies (OTG Format)			
1	line "PALOVRDE 500.00" "PV_CLRVR_11 500.00" "1 " 1 0 line "PV_CLRVR_11 500.00" "PV_CLRVR_12 500.00" "1 " 1 0 line "PV_CLRVR_12500.00" "COLRIVER 500.00" "1 " 1 0	P1		Area 26, Area 21, Area 14
2	line_100041 "Line ELDORDO 500.0 to LUGO 500.0 Circuit 1" line 24042 29240 "1 " 1 0 line 29240 29241 "1 " 1 0 line 29241 29242 "1 " 1 0 line 29242 29243 "1 " 1 0 line 29243 24086 "1 " 1 0	P1	Lugo-Victorville RAS	Area 26
3	line "N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0	P1		Area 21, Area 14
4	line "ECO 500.00" "MIGUEL 500.00" "1 " 1 0	P1	TL23040 IV 500 kV N-1 RAS	Area 20, Area 21
5	line "OCOTILLO 500.00" "SUNCREST 500.00" "1 " 1 0	P1	TL23040 IV 500 kV N-1 RAS	Area 20, Area 21
6	line "OTAYMESA 230.00" "TJI-230 230.00" "1 " 1 0	P1		Area 20
7	line "IVPFC 230.00" "ROA-230 230.00" "1 " 1 0	P1		Area 20
8	line "OTAYMESA 230.00" "MLMS3TAP 230.00" "1 " 1 0 line "MIGUEL 230.00" "MLMS3TAP 230.00" "1 " 1 0 line "BAYBLVD 230.00" "MLMS3TAP 230.00" "1 " 1 0	P1	RAS tripping Otay Mesa and/or Pio Pico generation	Area 20
9	line "MIGUEL 230.00" "MIGUEL 500.00" "2 " 1 0	P1	Miguel Banks RAS shedding gen in the greater IV area	Area 20
10	tran "ELDORDO 500.00" "ELDORDO 230.00" "3 " 0 "ELDOR3T 13.80"	P1		Area 26
11	tran "ELDORDO 500.00" "ELDORDO 230.00" "4 " 0 "ELDOR4T 13.80"	P1		Area 26
12	tran "ELDORDO 500.00" "ELDORDO2 230.00" "5 " 0 "ELDOR5T 13.80"	P1	Ivanpah RAS	Area 26

13	line "LUGO 500.00" "LGO_MOHVE_11 500.00" "1 " 1 0 line "LGO_MOHVE_11 500.00" "LGO_MOHVE_12 500.00" "1 " 1 0 line "LGO_MOHVE_12 500.00" "LGO_MOHVE_13 500.00" "1 " 1 0 line "LGO_MOHVE_13 500.00" "LGO_MOHVE_14 500.00" "1 " 1 0 line "LGO_MOHVE_14 500.00" "MOHAVE 500.00" "1 " 1 0	P1		Area 26
14	line "MOHAVE 500.00" "ELDORDO 500.00" "1 " 1 0	P1		Area 26
15	line "PISGAH 230.00" "CIMAT1 230.00" "1 " 1 0 line "CIMAT1 230.00" "ELDORDO 230.00" "1 " 1 0	P1		Area 26
16	line "PISGAH 230.00" "CIMAT2 230.00" "2 " 1 0 line "CIMAT2 230.00" "ELDORDO 230.00" "2 " 1 0	P1		Area 26
17	line "ELDORDO2 230.00" "BOB SS 230.00" "1 " 1 0	P1		Area 26, Area 18
18	line "PISGAH 230.00" "LUGO 230.00" "1 " 1 0	P1		Area 26
19	line "PISGAH 230.00" "CALCITE 230.00" "1 " 1 0	P1		Area 26
20	line "CALCITE 230.00" "LUGO 230.00" "1 " 1 0	P1		Area 26
21	line "TAP645 55.00" "NEVBD502 55.00" "1 " 1 0	P1		Area 18
22	line "CONTROL 115.00" "INYO 115.00" "1 " 1 0	P1		Area 26
23	line "CONTROL 115.00" "INYOKERN 115.00" "1 " 1 0	P1	Bishop RAS - trips Bishop area generation	Area 26
24	line "INYOKERN 115.00" "KRAMER 115.00" "1 " 1 0	P1		Area 26
25	line "TAP701 115.00" "KRAMER 115.00" "1 " 1 0 line "TAP701 115.00" "INYOKERN 115.00" "1 " 1 0 line "RANDSBRG 115.00" "TAP701 115.00" "1 " 1 0	P1		Area 26
26	line "CONTROL 115.00" "TAP710 115.00" "1 " 1 0 line "TAP710 115.00" "INYOKERN 115.00" "1 " 1 0 line "COSO 115.00" "TAP710 115.00" "1 " 1 0	P1	Bishop RAS - trips Bishop area generation	Area 26
27	line "NWEST 230.00" "DESERT VIEW 230.00" "1 " 1 0	P1		Area 18
28	line "BOB SS 230.00" "MEAD S 230.00" "1 " 1 0	P1		Area 19, Area 26, Area 24, Area 18
29	line "AMARGOSA 138.00" "SANDY 138.00" "1 " 1 0	P1		Area 18
30	line "GAMEBIRD 138.00" "PAHRUMP 138.00" "1 " 1 0	P1	VEA's UVLS scheme	Area 18
31	isol "INNOVATION 138.00"	P1		Area 18
32	line "JACKASSF 138.00" "MERCYSW 138.00" "1 " 1 0	P1		Area 18
33	line "CONTROL 115.00" "INYO 115.00" "1 " 1 0 line "CONTROL 115.00" "TAP704 115.00" "1 " 1 0 line "CONTROL 115.00" "INYOKERN 115.00" "1 " 1 0 tran "CONTROL 115.00" "CONTROL 55.00" "3 " 0 0 0.00" line "CONTROL 115.00" "OXBOW B 115.00" "1 " 1 0	P2		Area 26

34	line"CONTROL 115.00" "INYO 115.00" "1 " 1 0 line"CONTROL 115.00" "CSADIAB 115.00" "1 " 1 0 line"CONTROL 115.00" "TAP710 115.00" "1 " 1 0 tran"CONTROL 115.00" "CONTROL 55.00" "1 " 0 " 0.00" tran"CONTROL 115.00" "BSPHYD34 2.20" "1 " 0 " 0.00" gen "BSPHYD34 2.20" "34 " 0	P2		Area 26
35	gen"IVGEN1STG 21.00" "1 " 0 gen"IVGEN1CTG2 18.00" "1 " 0 gen"IVGEN1CTG3 18.00" "1 " 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0	P3		Area 21, Area 14
36	gen"OTAYMST1 16.00" "1 " 0 gen"OTAYMGT1 18.00" "1 " 0 gen"OTAYMGT2 18.00" "1 " 0 line"ECO 500.00" "MIGUEL 500.00" "1 " 1 0 gen"MIGUELA 17.50" "1 " 0 gen"MIGUELB 17.50" "1 " 0	P3	TL23040IV500kVN-1 RAS	Area 20
37	line"VISTA 138.00" "PAHRUMP 138.00" "1 " 1 0 line"PAHRUMP 138.00" "GAMEBIRD 138.00" "1 " 1 0	P4	VEA's UVLS scheme	Area 18
38	tran"PAHRUMP 230.00" "PAHRUMP 138.00" "1 " 0 -1 line"PAHRUMP 138.00" "GAMEBIRD 138.00" "1 " 1 0	P4	VEA's UVLS scheme	Area 18
39	tran"PAHRUMP 230.00" "PAHRUMP 138.00" "1 " 0 -1 line"PAHRUMP 230.00" "BOB SS 230.00" "1 " 1 0	P4	VEA's UVLS scheme	Area 18
40	line"ELDORDO 500.0" "LUGO 500.0" "1 " 1 0 line"PALOVRDE 500.00" "COLRIVER 500.00" "1 " 1 0	P6	Lugo-Victorville RAS	Area 26
41	line"PALOVRDE 500.00" "PV_CLRVR_11 500.00" "1 " 1 0 line "PV_CLRVR_11 500.00" "PV_CLRVR_12 500.00" "1 " 1 0 line "PV_CLRVR_12500.00" "COLRIVER 500.00" "1 " 1 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0	P6		Area26, Area21, Area 14
42	line"MOHAVE 500.0" "ELDORDO 500.0" "1 " 1 0 line"MOHAVE 500.0" "LUGO 500.0" "1 " 1 0	P6	NVE RAS	Area 18
43	line"ECO 500.00" "MIGUEL 500.00" "1 " 1 0 gen"MIGUELA 17.50" "1 " 0 gen"MIGUELB 17.50" "1 " 0 line"SYCAMORE TP1 230.00" "SYCAMORE 230.00" "1 " 1 0 line"SUNCREST TP1 230.00" "SYCAMORE TP1 230.00" "1 " 1 0 line"SUNCREST TP1 230.00" "SYCAMORE TP1" "2" 1 0 line"SUNCREST 230.00" "SUNCREST TP1 230.00" "1 " 1 0	P6	Suncrest-Sycamore 230kV Gen Drop RAS	Area 20, Area 21

44	line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0 line"IMPRLVLY 230.00" "VEGA_SS 230.00" "1 " 1 0	P6		Area 21, Area 14
45	line"ECO 500.00" "MIGUEL 500.00" "1 " 1 0 gen"MIGUELA 17.50" "1 " 0 gen"MIGUELB 17.50" "1 " 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0	P6	RAS shedding generation in the greater IV area	Area 20, Area 21
46	line"OCOTILLO 500.00" "SUNCREST 500.00" "1 " 1 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0	P6	IV Gen Shedding RAS	Area 20, Area 21
47	line"PALOVRDE 500.00" "PV_CLRVR_11 500.00" "1 " 1 0 line"PV_CLRVR_11 500.00" "PV_CLRVR_12 500.00" "1 " 1 0 line"PV_CLRVR_12 500.00" "COLRIVER 500.00" "1 " 1 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 2 0	P6		Area 14, Area 26, Area 21
48	line"DELANEY 500.00" "DEL_CLRVR_11 500.00" "1 " 1 0 line"DEL_CLRVR_11 500.00" "DEL_CLRVR_12 500.00" "1 " 1 0 line"DEL_CLRVR_12 500.00" "COLRIVER 500.00" "1 " 1 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 1 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1 " 2 0	P6		Area 14
49	line"INYOKERN 115.00" "KRAMER 115.00" "1 " 1 0 line"TAP701 115.00" "KRAMER 115.00" "1 " 1 0 line"TAP701 115.00" "INYOKERN 115.00" "1 " 1 0 line"RANDSBRG 115.00" "TAP701 115.00" "1 " 1 0	P6		Area 26
50	line"DEVERS 500.00" "DVRS_RB_11 500.00" "1 " 1 0 line"DVRS_RB_11 500.00" "DVRS_RB_12 500.00" "1 " 1 0 line"DVRS_RB_12 500.00" "REDBLUFF 500.00" "1 " 1 0 line"DEVERS 500.00" "DVRS_RB_21 500.00" "2 " 1 0 line"DVRS_RB_21 500.00" "DVRS_RB_22 500.00" "2 " 1 0 line"DVRS_RB_22 500.00" "REDBLUFF 500.00" "2 " 1 0	P6 (NERC)/ WECC Common Corridor /Extreme	Colorado River Corridor RAS	Area 26, Area 21, Area 14
50	line"COLRIVER 500.00" "REDBLUFF 500.00" "1 " 1 0 line"COLRIVER 500.00" "REDBLUFF 500.00" "2 " 1 0	P6 (NERC)/ WECC Common Corridor	Colorado River Corridor RAS	Area 14
51	line"MOHAVE 500.0" "ELDORDO 500.0" "1 " 1 0 line"ELDORDO 500.0" "LUGO 500.0" "1 " 1 0	P6/Extreme	Lugo-Victorville RAS	Area 26

52	line"ECO 500.00" "MIGUEL 500.00" "1 " 1 0 gen"MIGUELA 17.50" "1 " 0 gen"MIGUELB 17.50" "1 " 0 line"OCOTILLO 500.00" "SUNCREST 500.00" "1 " 1 0	P6/Extreme	San Diego 500 kV Gen Drop RAS, San Diego Safety Net	Area 20, Area 21, Area 14
52	line"EAGLROCK 230.00" "SYLMARS 230.00" "1 " 1 0 line"SYLMARS 230.00" "GOULD 230.00" "1 " 1 0	P7		Area 26
53	line"OTAYMESA 230.00" "MLSXTAP 230.00" "1 " 1 0 line"MIGUEL 230.00" "MLSXTAP 230.00" "1 " 1 0 line"SYCAMORE 230.00" "MLSXTAP 230.00" "1 " 1 0 line"OTAYMESA 230.00" "MLMS3TAP 230.00" "1 " 1 0 line"MIGUEL 230.00" "MLMS3TAP 230.00" "1 " 1 0 line"BAYBLVD 230.00" "MLMS3TAP 230.00" "1 " 1 0	P7	RAS tripping Otay Mesay and/or Pio Pico generation	Area 20
54	line"CVSUB230 230.00" "MIRAGE 230.00" "1 " 1 0 line"RAMON 230.00" "MIRAGE 230.00" "1 " 1 0	P7		Area 21
55	line"CONTROL 115.00" "TAP710 115.00" "1 " 1 0 line"TAP710 115.00" "INYOKERN 115.00" "1 " 1 0 line"COSO 115.00" "TAP710 115.00" "1 " 1 0 line"CONTROL 115.00" "INYOKERN 115.00" "1 " 1 0	P7	Bishop RAS - trips Bishop area generation	Area 26
56	line"INNOVATION 230.00" "DESERT VIEW 230.00" "1 " 1 0			
57	"tran 26094 24147 'G'" "OPEN" 1.25000 "" "tran 26094 24147 'E'" "OPEN" 1.25000 ""	P2/P4		Area 26
58	"tran 26094 24147 'G'" "OPEN" 1.25000 "" "tran 26094 24147 'F'" "OPEN" 1.25000 ""	P2/P4		Area 26
	Stability Contingencies			
	None identified			