

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		Area26, Area21, Area 14
2	line_100041 "Line ELDORDO 500.0 to LUGO 500.0 Circuit1" 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	TL23040IV 500kV N-1 RAS	Area 20, Area 21
5	line"OCOTILLO 500.00" "SUNCREST 500.00" "1 " 1 0	P1	TL23040IV 500kV 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" 0.00" 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	TL23040IV 500kVN-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_12 500.00" "COLRIVER 500.00" "1" "1" 0 line"N.GILA 500.00" "IMPRLVLY 500.00" "1" "1" 0	P6		Area 26, Area 21, 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 GenDrop 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" 10 gen"MIGUEL A 17.50" "1" 0 gen"MIGUEL B 17.50" "1" 0 line"OCOTILLO 500.00" "SUNCREST 500.00" "1" 10	P6/Extreme	San Diego 500kV Gen Drop RAS, San Diego Safety Net	Area 20, Area 21, Area 14
52	line"EAGLROCK 230.00" "SYLMARS 230.00" "1" 10 line"SYLMARS 230.00" "GOULD 230.00" "1" 10	P7		Area 26
53	line"OTAYMESA 230.00" "MLSXTAP 230.00" "1" 10 line"MIGUEL 230.00" "MLSXTAP 230.00" "1" 10 line"SYCAMORE 230.00" "MLSXTAP 230.00" "1" 10 line"OTAYMESA 230.00" "MLMS3TAP 230.00" "1" 10 line"MIGUEL 230.00" "MLMS3TAP 230.00" "1" 10 line"BAYBLVD 230.00" "MLMS3TAP 230.00" "1" 10	P7	RAS tripping Otay Mesay and/or Pio Pico generation	Area 20
54	line"CVSUB230 230.00" "MIRAGE 230.00" "1" 10 line"RAMON 230.00" "MIRAGE 230.00" "1" 10	P7		Area 21
55	line"CONTROL 115.00" "TAP710 115.00" "1" 10 line"TAP710 115.00" "INYOKERN 115.00" "1" 10 line"COSO 115.00" "TAP710 115.00" "1" 10 line"CONTROL 115.00" "INYOKERN 115.00" "1" 10	P7	Bishop RAS - trips Bishop area generation	Area 26
56	line"INNOVATION 230.00" "DESERT VIEW 230.00" "1" 10			
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			