

Debt/proton Peak Peak Peak Peak Peak Peak Peak Peak Peak CEC Forecast Romewalds & Man Gas Gen	roject & Potential Mitigation Solutions
Crost Like Profess - Pastons - Wisner 2000 Mine Po N-1-1	
Cross I Lie PRINCE 200 to BALEY 200 Cross I I FP N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 108.4 Existing Pastorial Lie PRINCE 200 Cross I Lie PRINCE 200 Cross	Energy Facility RAS
Croat Like PARCE 230.0 browner Part 230.0 croat 1 Ps N-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 10.8 Existing Pastorial Like MAMADITH 230.0 browner Pastorial 230.0 croat 1 Ps N-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 112.8 Existing Pastorial Like MAMADITH 230.0 browner Pastorial 230.0 croat 1 Ps N-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 113.2 Existing Pastorial Like MAMADITH 230.0 browner Pastorial 230.0 croat 1 Ps N-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 10	Energy Facility RAS
Creat Line PASTORIA 2000 be WARRINEP 230 Creat 1 bits P. P. 201713. Line WARRINGTH 230 be BIG CRNS 230 0 pe N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 = 100 133. Existing Pastorial line PASTORIA 200 be WARRINGTH 200 be WARRI	Energy Facility RAS
Crost Like Pardies - Pastoria - Warner 2010 b AVTELOPE 220 0 Ben PR. 20198 Line MAGUNDEN 230 to AVTELOPE 220 0 Crost Line PARCE 230 to SAUTEY 2000 crost 1 Res. PR. 20198 Line MAGUNDEN 230 to AVTELOPE 220 0 Crost Line SAUTEY 230 to SAUTEY 230 to Crost 1 Res. PR. 20198 Line MAGUNDEN 230 to AVTELOPE 230 0 PR. N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Crost Line SAUTEY 230 to SAUTEY 230 to Crost 1 Res. PR. 20198 Line MAGUNDEN 230 to Crost 1 Re	Energy Facility RAS
Croal Line PARCE 230 to BALEY 230 Draft 1 PR N-1-1	Energy Facility RAS
2400 MANUFULEN 239 24401 MILELUPE 239 2 COULT Live BNLEY 230.00 PASTORN 2300 Crount 1 PP N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 101.5 Existing Pastorial Piece PR. 2019 PASTORN 2300 Crount 1 PP N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 = 100 Exp. 2012 Live ANTELOPE 230.0 In WARKETAP 2300 Crount 1 PP N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Exp. 2012 Live ANTELOPE 230.0 In WARKETAP 2300 Crount 1 PP N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100	Energy Facility RAS
Crost Like PARCE 230.0 b WARNELPA 230.0 Crost 1 PP N-1-1 < 1UU < 1	Energy Facility RAS
Croat 1 Line BALLEY 230.0 to PASTORIA 230.0 Croat 1 PB N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100	Energy Facility RAS
les PR 2021/26 Line AVTELOPE 230.00 PARCEE 230.00 FROM 1 PR 1 C 100 C 10	Energy Facility RAS
AND ALL THE PROPERTY OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF TH	Energy Facility RAS
24114 PARDEE 230 24115 PASTORIA 230 1 1 line, P6, 202155, Line AVTELOPE 230 to PARDEE 230.0 PP6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100	Energy Facility RAS
Ine_PE_202322_Line_PASTORIA 200.0 to EDUINDISTN 200.0 Circuit 1 Line BAILEY 200.0 to PASTORIA 200.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Existing Pastorial.	Energy Facility RAS
Ine_PE_202304_Line_PASTORIA 200.0 to DUMONSTN 200.0 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Existing Pastoria	Energy Facility RAS
Ine, PE, 201964, Line MAGUNDEN 230.0 to ANTELOPE 230.0 to BALEY 230.0 for MITELOPE 230.0 for MI	Energy Facility RAS
Ine_P6_201985_Line_MAGUNIDEN 230.0 to ANTELOPE 230.0 D Circuit 1 Line PASTORIA 230.0 to EDMONSTN 230.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Existing Pastorial	Energy Facility RAS
Ine_PE_201987_Line MAGUNDEN 230.0 to ANTELOPE 23	Energy Facility RAS
Ine. PE. 201989, Line MACUNDEN 230.0 to ANTELOPE 230.0 to PASTORIA 230.0 Circuit 1 Line PARDEE 230.0 to PASTORIA 230.0 Circuit 1 Line PARDEE 230.0 to PASTORIA 230.0 Circuit 1	Energy Facility RAS
Ine, P6, 202054, Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Existing Peatorial.	Energy Facility RAS
Inc. PG. 202095, Line MAGUNDEN 230.0 to ANTELOPE	Energy Facility RAS
Inc. DC 2020E7 Inc. MACHINDEN 220.0 to ANTEL ODE 220.0	Energy Facility RAS
Ine_P6_2021/22_Line_ANTELOPE 230.0 to PARCEE 230.0 Circuit 1 PP6 N-1-1 104.9 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Circuit 1 Line PASTORIA 230.0 to EDMONSTN 230.0 Circuit 1	Energy Facility RAS
Ine_P6_202124_Line_ANTELOPE 2010 to PARCEE 230.0 Cross 1 Line_BALEY 230.0 to PARCEE 230.0 PARCEE 230.0 PARCEE 230.0 FACTORIA 230.0 Cross 1 Line_BALEY 230.0 Line_BALEY 230.0 Cross 1 Line_BALEY 230.0 Line_BALEY 230.0 Cross 1 Line_BALEY 230.0 Line	Energy Facility RAS
Iner PE 2021/25, Line ANTELOPE 200.0 to PARDEE	Energy Facility RAS
Ine: PE 202322 Line: PASTORIA 200.0 to EDMONSTN 200.0 Chroat 1 Line: BAILEY 200.0 to PASTORIA 200.0 Croat 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Seisting Pastorial	Energy Facility RAS
Ine PE 202323, Line PASTORIA 200.0 to ENMONSTN 200.0 Circuit 1 Line PARDEE 200.0 to PASTORIA 200.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 100	Energy Facility RAS
24114 PARDEE 230 24403 BALEY 230 1 1 line P6 201990, Line MAGUNDEN 230.0 to AVTELOPE 230.0 to WARNETAP 230.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 10	Energy Facility RAS
Ine_PE_201984_Line_MAGUNDEN_230.0 to ANTELOPE 230.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 I 22.3 Existing Pastorial	Energy Facility RAS
Ine_PE_201987_Lhe_MAGUNDEN_230.0 to ANTELOPE 230.0 to ANTELOPE 230	Energy Facility RAS
Ine P6 201988, Line MAGUNDEN 230.0 to ANTELOPE 230.0 to PASTORIA 230.0 Crould 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 105.6 < 100 < 100 < 100 < 100 Existing Pastorial	Energy Facility RAS
Inter PG 202055, Line MAGUNDEN 230.0 to ANTELOPE 230.0 Cross 2 230.0 Cross 2 1 Line BALEY 230.0 to ANTELOPE 230.0 Cross 2 1 Line BALEY 230.0 Cross 2 Line BALEY 230.0 Cr	Energy Facility RAS
24115 PASTORIA 230 24/217 WARNETAP 230 1 1 line, P6, 20057, Line MAGUNDEN 230 to NATIFICIPE 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 1 line, P6, 20057, Line MAGUNDEN 230 to PASTORIA 230 0 Cross 1 line, P6, 20057,	Energy Facility RAS
Imp. PE, 2021/24, Line ANTELOPE 230.0 to PARDEE 230.0 Crould 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Crould 1 Line BALLEY 230.0 to PARTORIA 230.0 Crould 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 Crould 1 Line BALLEY 230.0 to PARTORIA 230.0 Crould 1	Energy Facility RAS
Ine, P6, 2021/25, Line AVTELOPE 20:00 to PARDEE 20:00. Cloud 1 Line PARDEE 20:00 to PARDER 20:00 Crould P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Existing Peatorial	Energy Facility RAS
Ine_PE_202322_Line_PASTORIA 200.0 to EDMONSTN 230.0 Circuit 1 Line BALEY 200.0 to PASTORIA 230.0 Circuit 1 P6 N-1-1 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 < 100 Existing Pastorial	Energy Facility RAS
Ine_P6_20223_Line_PASTORIA 20.0 to EDMONSTN 20.0 D Circuit I Line PARDEE 20.0 to PASTORIA 20.0 Croult I P6 N-I-1 < 100 < 100 < 100 < 100 < 100 104.8 < 100 < 100 < 100 < 100 Existing Pastorial	Energy Facility RAS
Ine_PE_201306_Line_BIG_CRK2 230.0 to BIG_CRK3 23	k/San Joaquin Valley RAS
24301 BIG CRK1 230 24235 RECTOR 230 1 1 Into Re CRX1 230 0 to BIG CRX2 230.0 to BIG CRX3 230.0 to BIG	k/San Joaquin Valley RAS
Ine_PE_201453_Line_BIG_CRX3 230.0 to_RECTOR 230.0 Circuit 1 Line_BIG_CRX4 230.0 to_BIG_CRX3 230.0 Circuit 1 P6 N-1-1 <100 101.0 100.2 100.9 <100 <100 101.1 <100 <100 <100 Existing Big_Creek	k/San Joaquin Valley RAS
Ine_PE_20166_Line_BIG_CRKI_ 230_0 b_RECTOR_ 230_0 P6 N-I-1 < 100 108.4 108.2 108.2 < 100 < 100 108.4 < 100 < 100 Congestion manus contingency 24302 BIG_CRKI_ 230_0 RKI_ 230_ERKI_ 230_0 b_BIG_CRKI_ 230_0 b_BIG_	agement and system re-dispatch after initial
	agement and system re-dispatch after initial
24302 BIG CRK2 230 24305 BIG CRK8 230 11 line PE, 201055, Line BIG CRK1 230.0 to RECTOR 230.0 Croul T Line BIG CRK2 230.0 to BIG CRK3 230	k/San Joaquin Valley RAS
Ine_PE_200728_Line_SPRINGVL_230.0 to BIG_CRWL_230.0 Circuit 1 Line_BIG_CRWL_230.0 to RECFOR _230.0 Circuit.1 P6 N-1-1 < 100 120.8 1199 121.7 109.3 < 100 120.9 < 100 NotConv Existing Big_Creek	k/San Joaquin Valley RAS
Inter-Pt. 20108, Line Big CRK1 230.0 to RECTOR 230.0 Total Line Big CRK1 2	k/San Joaquin Valley RAS
Fig. 02 00073 List 00 0004 000 0 0000	k/San Joaquin Valley RAS
Ine_PE_201544_Line_BIG_CRK4 230.0 to BIG_CRK3 230.0 to CRX1 230.0 to BIG_CRK3 230.0 to CRX1 230.0 to BIG_CRK3 230.0 to B	k/San Joaquin Valley RAS
24335 BIG CRK8 230 24333 BIG CRK3 230 11 line, PE 201055, Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BIG CRK2 230.0 to BIG CRK3 230.0 to BIG CRK3 230.0 to BIG CRK3 230.0 to BIG CRK3 230.0 circuit 1 P6 N-1-1 < 100 1259 1256 1256 102.0 < 100 1260 < 100 1049 Existing Big Creek	k/San Joaquin Valley RAS
	agement and energizing existing spare er initial contingency and shed load after the ency
	agement and energizing existing spare er intial contingency and shed load after the ency

24402 ANTELOPE 66.0 24401 ANTELOPE 230 1 1	Ine_P6_205897_Line BAILEY	P6	N-1-1	< 100	< 100	107.9	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after initial contingency and shed load after the second contingency
	line_P6_205923_Line NEENACH	P6	N-1-1	< 100	< 100	104.9	<100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after initial contingency and shed load after the second contingency
	tran_P6_207154_Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 2 0.00 Tran ANTELOPE 66.00 to ANTELOPE	P6	N-1-1	131.3	159.1	199.8	102.2	118.2	< 100	164.7	< 100	131.3	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	line_P6_205701_Line ANTELOPE 66.0 to NEENACH 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 4	P6	N-1-1	< 100	< 100	108.2	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	line_P6_205894_Line BAILEY 66.0 to TAP 85 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 1	P6	N-1-1	< 100	< 100	110.3	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
24402 ANTELOPE 66.0 24401 ANTELOPE 230 2 1	line_P6_205897_Line BAILEY 66.0 to TAP 85 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 4	P6	N-1-1	< 100	< 100	111.8	< 100	< 100	< 100	< 100	< 100	<100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	Ine_P6_205925_Line NEENACH 66.0 to TAP 85 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 4	P6	N-1-1	< 100	< 100	108.3	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	tran_P6_207128_Tran ANTELOPE	P6	N-1-1	131.7	159.4	200.3	102.5	118.6	< 100	165.0	< 100	131.7	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	line_P6_205699_Line ANTELOPE 66.0 to NEENACH 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 2	P6	N-1-1	< 100	< 100	107.8	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	line_P6_205894_Line BAILEY 66.0 to TAP 85 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 1	P6	N-1-1	< 100	< 100	109.5	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
24402 ANTELOPE 66.0 24401 ANTELOPE 230 4 1	line_P6_205895_Line BAILEY 66.0 to TAP 85 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 2	P6	N-1-1	< 100	< 100	111.4	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	Ine_P6_205923_Line NEENACH 66.0 to TAP 85 66.0 Circuit 1 Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 2	P6	N-1-1	< 100	< 100	107.9	< 100	< 100	< 100	< 100	< 100	< 100	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
	tran_P6_207126_Tran ANTELOPE 66.00 to ANTELOPE 230.00 Circuit 1 0.00 Tran ANTELOPE 66.00 to ANTELOPE	P6	N-1-1	131.6	159.4	200.2	102.4	118.5	< 100	165.0	< 100	131.6	Congestion management and energizing existing spare transformer after intial contingency and shed load after the second contingency
24402 ANTELOPE 66 0 24420 NEENACH 66 0 1 1	Ine_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 100	113.0	133.8	< 100	132.9	< 100	114.5	< 100	135.9	Split Antelope—Bailey 66 kV System per existing SCE operating procedure after initial contingency
24402 AN IELOPE 66.0 24420 NEENACH 66.0 1 1	tran_P6_207228_Tran BAILEY	P6	N-1-1	< 100	114.3	132.5	< 100	134.1	< 100	114.9	< 100	133.1	Split Antelope–Bailey 66 kV System per existing SCE operating procedure after initial contingency
	Ine_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	100.9	Existing Pastoria Energy Facility RAS
	line_P6_202125_Line ANTELOPE 230.0 to PARDEE 230.0 Circuit 1 Line PARDEE 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 100	< 100	< 100	108.2	< 100	< 100	< 100	< 100	< 100	Existing Pastoria Energy Facility RAS
24403 RAII FY 230 24115 PASTORIA 230 1 1	line_P6_202126_Line ANTELOPE 230.0 to PARDEE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 100	< 100	< 100	109.8	< 100	< 100	< 100	< 100	< 100	System re-dispatch after initial contingency
24403 BAILEY 230 24115 PASTORIA 230 1 1	line_P6_202136_Line ANTELOPE 230.0 to PARDEE 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 100	< 100	< 100	107.4	< 100	< 100	< 100	< 100	< 100	Existing Pastoria Energy Facility RAS
	line_P6_202323_Line PASTORIA 230.0 to EDMONSTN 230.0 Circuit 1 Line PARDEE 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 100	< 100	< 100	107.7	< 100	< 100	< 100	< 100	< 100	Existing Pastoria Energy Facility RAS
	Ine_P6_202324_Line PASTORIA 230.0 to EDMONSTN 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 100	< 100	< 100	109.3	< 100	< 100	< 100	< 100	< 100	Existing Pastoria Energy Facility RAS
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	123.1	119.8	120.2	119.4	< 100	< 100	120.8	125.7	< 100	Split Antelope–Bailey 66 kV System per existing SCE operating procedure after initial contingency
24404 BAILEY 66.0 24452 TAP 85 66.0 1 1	tran_P6_207228_Tran BAILEY	P6	N-1-1	120.6	118.8	125.2	119.5	< 100	< 100	121.0	123.3	< 100	Split Antelope—Bailey 66 kV System per existing SCE operating procedure after initial contingency
24420 NEENACH 66.0 24452 TAP 85 66.0 1 1	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	143.4	138.8	138.8	139.6	115.3	< 100	140.3	131.6	118.0	Split Antelope—Bailey 66 kV System per existing SCE operating procedure after initial contingency
2442U NEERWICH 66.U 24452 IAP 85 66.0 1 1	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	143.5	139.2	142.1	139.7	1163	< 100	142.0	131.8	115.4	Split Antelope–Bailey 66 kV System per existing SCE operating procedure after initial contingency



				1		Voltage PI I (Ro	seline Scenarios)			Voltane	PU (Sensitivity S	cenarios)	
Overloaded Facility	Contingency (All and Worst P6)	Category	Category Description	2026 Summer Peak	2029 Summer Peak	2034 Summer Peak	2029 Summer- Off Peak	2026 Spring-Off Peak	2029 Spring-Off Peak		2026 SP Heavy Renewable & Min Gas Gen	2026 Spring Shoulder-Peak	Project & Potential Mitigation Solutions
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.54	0.55	0.47	0.59	0.9 < V < 1.1	0.9 < V < 1.1	0.53	0.62	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
ALAMO SC 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	0.52	0.54	0.54	0.59	0.9 < V < 1.1	0.9 < V < 1.1	0.55	0.59	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.79	0.78	0.73	0.81	0.9 < V < 1.1	0.9 < V < 1.1	0.77	0.84	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
ALPINE 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	0.77	0.77	0.77	0.81	0.9 < V < 1.1	0.9 < V < 1.1	0.78	0.82	0.9 < V < 1.1	
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.54	0.55	0.48	0.58	0.9 < V < 1.1	0.9 < V < 1.1	0.53	0.62	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
BAILEY 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	0.52	0.54	0.54	0.58	0.9 < V < 1.1	0.9 < V < 1.1	0.54	0.59	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.79	0.78	0.73	0.81	0.9 < V < 1.1	0.9 < V < 1.1	0.77	0.84	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
NEENACH 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	0.77	0.77	0.76	0.81	0.9 < V < 1.1	0.9 < V < 1.1	0.78	0.82	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.54	0.54	0.47	0.58	0.9 < V < 1.1	0.9 < V < 1.1	0.53	0.62	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
OSO 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	0.51	0.53	0.54	0.58	0.9 < V < 1.1	0.9 < V < 1.1	0.54	0.59	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.57	0.57	0.50	0.61	0.9 < V < 1.1	0.9 < V < 1.1	0.56	0.64	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
TAP 85 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	0.54	0.56	0.56	0.61	0.9 < V < 1.1	0.9 < V < 1.1	0.57	0.62	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.54	0.54	0.47	0.58	0.9 < V < 1.1	0.9 < V < 1.1	0.53	0.62	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
TAP 86 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY 230.00	P6	N-1-1	0.51	0.53	0.54	0.58	0.9 < V < 1.1	0.9 < V < 1.1	0.54	0.59	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.56	0.56	0.49	0.59	0.9 < V < 1.1	0.9 < V < 1.1	0.54	0.64	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
WESTPAC 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY 230.00	P6	N-1-1	0.53	0.55	0.55	0.59	0.9 < V < 1.1	0.9 < V < 1.1	0.55	0.61	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue			
BAILEY 230 kV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0	P6	N-1-1	0.53	0.53	0.47	0.56	0.9 < V < 1.1	0.9 < V < 1.1	0.52	0.60	0.9 < V < 1.1	system adjustments after first contingency mitigates the issue
BIG CRK3 230 kV	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
BIG CRK4 230 kV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
EDMONSTN 230 kV	Circuit 1 Line Pardee - Pastoria - Warne 230 kV line line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0												system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.88	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
MAGUNDEN 230 kV	Circuit 1 Line Pardee - Pastoria - Warne 230 kV line line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line_MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line P6 201081 Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1		0.9 < V < 1.1	0.9 < V < 1.1	0.84	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line P6 201704 Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.88	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1 line P6 201713 Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
OMAR 230 kV	Circuit 1 Line Pardee - Pastoria - Warne 230 kV line line P6 201920 Line RECTOR 230.0 to BIG CRK3 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	line_P6_201920_Line RECTOR	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line_MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	line_P6_201989_Line MAGUNDEN	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.84	system adjustments after first contingency mitigates the issue			
	line_P6_201081_Line BIG CRK1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
PASTORIA 230 kV	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue			
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue			
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
PSTRIA 230 W	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue			
23189	·									-			

TOTAL LOUIS	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue							
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue							
	line_P6_201073_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2	P6	N-1-1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.84	system adjustments after first contingency mitigates the issue							
RECTOR 230 kV	line_P6_201083_Line BIG CRK1	P6	N-1-1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue							
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.87	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.82	system adjustments after first contingency mitigates the issue							
	line_P6_201073_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2	P6	N-1-1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.84	system adjustments after first contingency mitigates the issue							
RECTRSVC 230 kV	line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue							
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.87	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.83	system adjustments after first contingency mitigates the issue							
	line_P6_200759_Line SPRINGVL 230.0 to BIG CRK4 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.87	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue							
	line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.87	system adjustments after first contingency mitigates the issue							
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.88	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.82	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.88	system adjustments after first contingency mitigates the issue							
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
SYC CYN 230 kV	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
STC CYN 230 KV	line_P6_201920_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue							
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.84	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue							
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue							
	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue							
TOT833_S 230 kV	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.90	system adjustments after first contingency mitigates the issue							
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue							
	line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.88	system adjustments after first contingency mitigates the issue							
TOT896_H 230 kV	line_P6_201920_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.83	system adjustments after first contingency mitigates the issue							
	line_P6_201081_Line BIG CRK1	P6	N-1-1	0.9 < V < 1.1	0.86	system adjustments after first contingency mitigates the issue							
	line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.88	system adjustments after first contingency mitigates the issue							
VESTAL 230 kV	line_P6_201920_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	0.9 < V < 1.1	0.89	system adjustments after first contingency mitigates the issue							
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.83	system adjustments after first contingency mitigates the issue							
WARNE 230 kV	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue							
WARNETAP 230 kV	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	0.9 < V < 1.1	0.85	system adjustments after first contingency mitigates the issue							
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Overloaded Facility	Contingency (All and Worst P6)	Category	Category Description	2026 Summer Peak	2029 Summer Peak	2034 Summer Peak	ion % (Baseline So: 2029 Summer-Off Peak	2026 Spring-Off Peak	2029 Spring-Off Peak	2029 SP High CEC Forecast	Voltage Deviation % (Se 2026 SP Heavy Renewable & Min Gas Gen	2026 Spring Shoulder-Peak	Project & Potential Mitigation Solutions
ALAMO SC 66 kV	line, P6, 202257, Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00	P6	N-1-1	47.14	47.09	54.23	42.90	<8	< 8	48.92	38.59	<8	system adjustments after first contingency mitigates the issue
	Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0	P6	N-1-1	49.64	48.34	47.43	42.90	<8	< 8	47.42	41.61	<8	system adjustments after first contingency mitigates the issue
ALPINE 66 kV	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	22.90	23.85	29.16	20.83	<8	< 8	24.82	18.17	<8	system adjustments after first contingency mitigates the issue
	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	24.69	24.51	25.34	20.80	<8	< 8	24.16	19.97	<8	system adjustments after first contingency mitigates the issue
BAILEY 66 kV	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	47.32	47.43	54.12	43.26	<8	< 8	49.19	38.93	<8	system adjustments after first contingency mitigates the issue
	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	49.88	48.65	47.84	43.26	<8	< 8	47.93	41.92	<8	system adjustments after first contingency mitigates the issue
NEENACH 66 kV	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	23.19	24.15	29.41	21.09	<8	< 8	25.13	18.40	<8	system adjustments after first contingency mitigates the issue
	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	24.98	24.81	25.60	21.06	<8	< 8	24.47	20.20	<8	system adjustments after first contingency mitigates the issue
OSO 66 kV	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	47.43	47.42	54.54	43.17	< 8	< 8	49.26	38.82	<8	system adjustments after first contingency mitigates the issue
	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	49.92	48.66	47.79	43.17	<8	< 8	47.77	41.82	<8	system adjustments after first contingency mitigates the issue
TAP 85 66 kV	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	44.24	44.48	50.90	40.45	<8	< 8	46.13	36.17	<8	system adjustments after first contingency mitigates the issue
TAP 65 GOAV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	46.73	45.63	45.16	40.45	<8	< 8	45.07	39.00	<8	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	47.41	47.41	54.51	43.17	<8	< 8	49.24	38.81	<8	system adjustments after first contingency mitigates the issue
TAP 86 66 kV	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	49.90	48.65	47.77	43.16	< 8	< 8	47.76	41.81	<8	system adjustments after first contingency mitigates the issue
	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	44.07	44.31	50.60	40.36	<8	< 8	45.93	36.17	<8	system adjustments after first contingency mitigates the issue
WESTPAC 66 kV	line_P6_203521_Line BAILEY 66.0 to TAP 85 66.0 Circuit 1 Line NEENACH 66.0 to ALPINE 66.0 Circuit 1	P6	N-1-1	< 8	< 8	9.39	< 8	< 8	< 8	<8	<8	<8	
	tran_P6_207228_Tran BAILEY 66.00 to BAILEY 230.00 Circuit 2 0.00 Tran BAILEY 66.00 to BAILEY	P6	N-1-1	46.58	45.47	44.84	40.36	< 8	< 8	44.87	38.99	<8	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	< 8	< 8	< 8	< 8	<8	<8	12.79	system adjustments after first contingency mitigates the issue
BAILEY 230 KV	line_P6_202257_Line PARDEE 230.0 to BAILEY 230.0	P6	N-1-1	46.34	46.24	53.02	42.13	<8	< 8	47.97	38.65	<8	system adjustments after first contingency mitigates the issue
BIG CRK1 230 kV	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	< 8	<8	< 8	<8	< 8	<8	<8	11.42	system adjustments after first contingency mitigates the issue
BIG CRK2 230 kV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	11.57	system adjustments after first contingency mitigates the issue
BIG CRK3 230 kV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	<8	<8	<8	<8	<8	<8	<8	12.08	system adjustments after first contingency mitigates the issue
BIG CRAS 230 KV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0												system adjustments after first contingency mitigates the issue
BIG CRK4 230 kV	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	< 8	< 8	<8	<8	<8	< 8	<8	<8	10.12	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	< 8	<8	< 8	<8	< 8	<8	<8	12.26	system adjustments after first contingency mitigates the issue
BIG CRK8 230 kV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	< 8	< 8	<8	<8	<8	<8	11.62	system adjustments after first contingency mitigates the issue
EASTWOOD 230 kV	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	11.12	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	< 8	< 8	<8	<8	9.79	system adjustments after first contingency mitigates the issue
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.37	system adjustments after first contingency mitigates the issue
EDMONSTN 230 kV	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.48	system adjustments after first contingency mitigates the issue
	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	< 8	< 8	<8	<8	9.40	system adjustments after first contingency mitigates the issue
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.96	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	14.55	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	10.17	system adjustments after first contingency mitigates the issue
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.04	system adjustments after first contingency mitigates the issue
MAGUNDEN 230 kV	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.15	system adjustments after first contingency mitigates the issue
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.40	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	< 8	< 8	<8	<8	14.69	system adjustments after first contingency mitigates the issue
MAMMOTH 230 kV	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	12.05	system adjustments after first contingency mitigates the issue
	line_P6_200759_Line SPRINGVL 230.0 to BIG CRK4 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	8.02	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	10.17	system adjustments after first contingency mitigates the issue
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.05	
OMAR 230 kV	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.15	system adjustments after first contingency mitigates the issue
	line_P6_201920_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	<8	< 8	<8	< 8	<8	<8	8.47	system adjustments after first contingency mitigates the issue
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	< 8	<8	<8	9.40	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	<8	<8	< 8	<8	< 8	<8	<8	14.69	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201081_Line_BIG_CRK1 230.0 to RECTOR 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	9.79	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	<8	<8	<8	<8	<8	<8	<8	<8	9.79	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	<8	<8	<8	<8	<8	<8	<8	<8	9.30	system adjustments after first contingency mitigates the issue
PASTORIA 230 kV	Circuit 1 Line Pardee - Pastoria - Warne 230 kV line line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1 N-1-1										system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0			<8	< 8	<8	<8	<8	< 8	<8	<8	9.39	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line P6 201989 Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	9.96	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	<8	<8	<8	< 8	<8	<8	14.56	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.75	system adjustments after first contingency mitigates the issue

1	line P6 201704 Line MAMMOTH 230.0 to BIG CRK3 230.0					l							T
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	<8	< 8	<8	< 8	<8	<8	9.33	system adjustments after first contingency mitigates the issue
	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.44	system adjustments after first contingency mitigates the issue
PSTRIA 230 kV	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	<8	< 8	< 8	<8	<8	< 8	<8	<8	9.36	
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	9.92	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	< 8	< 8	<8	<8	<8	<8	<8	<8	14.52	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line P6 201073 Line BIG CRK1 230.0 to RECTOR 230.0												system adjustments after first contingency mitigates the issue
	Circuit 1 Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	10.64	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	13.33	system adjustments after first contingency mitigates the issue
RECTOR 230 kV	line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	<8	×8	<8	<8	<8	11.27	system adjustments after first contingency mitigates the issue
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	8 >	< 8	< 8	< 8	<8	< 8	<8	<8	9.83	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	< 8	< 8	<8	< 8	<8	<8	14.50	
	line_P6_201073_Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	10.61	system adjustments after first contingency mitigates the issue
	Circuit 1 Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	13.29	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0												system adjustments after first contingency mitigates the issue
RECTRSVC 230 kV	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201929_Line_RECTOR 230.0 to BIG_CRK3 230.0	P6	N-1-1	< 8	< 8	< 8	<8	<8	<8	<8	<8	11.23	system adjustments after first contingency mitigates the issue
	Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	9.80	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	14.46	system adjustments after first contingency mitigates the issue
	line_P6_200759_Line SPRINGVL 230.0 to BIG CRK4 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	8.75	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1	P6	N-1-1	< 8	< 8	< 8	< 8	< 8	< 8	<8	<8	11.37	system adjustments after first contingency mitigates the issue
SPRINGVL 230 kV	line_P6_201083_Line BIG CRK1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.58	system adjustments after first contingency mitigates the issue
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	8.50	
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	<8	< 8	<8	< 8	<8	<8	<8	<8	13.78	system adjustments after first contingency mitigates the issue
	line_P6_200759_Line SPRINGVL 230.0 to BIG CRK4 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	8.02	system adjustments after first contingency mitigates the issue
	Circuit 1 Line Pardee - Pastoria - Warne 230 kV line line P6 201081 Line BIG CRK1 230.0 to RECTOR 230.0												system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	< 8	< 8	< 8	<8	<8	<8	<8	<8	10.17	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	9.05	system adjustments after first contingency mitigates the issue
SYC CYN 230 kV	line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0 Circuit 1 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	< 8	< 8	< 8	< 8	<8	<8	9.15	system adjustments after first contingency mitigates the issue
	line_P6_201920_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	· 8	<8	<8	<8	8.47	system adjustments after first contingency mitigates the issue
	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.40	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	<8	·8	<8	<8	<8	14.69	
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	<8	<8	<8	<8	<8	9.72	system adjustments after first contingency mitigates the issue
	line_P6_201704_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	9.30	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201713_Line MAMMOTH 230.0 to BIG CRK3 230.0	P6	N-1-1	- 0	< 8	<8	-0	<8	<8	-0	-0	9.40	system adjustments after first contingency mitigates the issue
TOT833_S 230 kV	Circuit 1 Line Pardee - Pastoria - Warne 230 kV line line P6 201984 Line MAGUNDEN 230.0 to ANTELOPE 230.0			< 8			<8			<8	<8		system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1 line P6 201967 Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	< 8	< 8	< 8	<8	<8	<8	<8	<8	9.33	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.88	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	14.49	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	<8	< 8	<8	<8	<8	<8	11.74	system adjustments after first contingency mitigates the issue
	line_P6_201083_Line BIG CRK1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	10.09	system adjustments after first contingency mitigates the issue
TOT896_H 230 kV	line_P6_201920_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	< 8	< 8	<8	<8	9.03	
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	9.16	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	14.52	system adjustments after first contingency mitigates the issue
	line_P6_201081_Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	11.75	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201083_Line BIG CRK1 230.0 to RECTOR 230.0	P6	N-1-1	<8		<8	<8					10.10	system adjustments after first contingency mitigates the issue
	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1 line_P6_201920_Line_RECTOR 230.0 to BIG_CRK3 230.0				< 8			<8	< 8	<8	<8		system adjustments after first contingency mitigates the issue
VESTAL 230 kV	Circuit 2 Line PASTORIA 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	<8	<8	<8	<8	<8	9.03	system adjustments after first contingency mitigates the issue
	line_P6_201929_Line RECTOR 230.0 to BIG CRK3 230.0 Circuit 2 Line Pardee - Pastoria - Warne 230 kV line	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	9.16	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	14.53	system adjustments after first contingency mitigates the issue
	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	< 8	<8	<8	8.34	system adjustments after first contingency mitigates the issue
WARNE 230 kV	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	8.35	system adjustments after first contingency mitigates the issue
	line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	13.59	system adjustments after first contingency mitigates the issue
	line_P6_201984_Line MAGUNDEN 230.0 to ANTELOPE 230.0 Circuit 1 Line PARDEE 230.0 to BAILEY 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	8.35	
WARNETAP 230 kV	line_P6_201987_Line MAGUNDEN 230.0 to ANTELOPE 230.0	P6	N-1-1	<8	< 8	<8	<8	<8	<8	<8	<8	8.35	system adjustments after first contingency mitigates the issue
	Circuit 1 Line BAILEY 230.0 to PASTORIA 230.0 Circuit 1 line_P6_201989_Line MAGUNDEN 230.0 to ANTELOPE 230.0												system adjustments after first contingency mitigates the issue
<u> </u>	Circuit 1 Line PARDEE 230.0 to WARNETAP 230.0 Circuit 1	P6	N-1-1	< 8	< 8	< 8	< 8	<8	<8	<8	<8	13.60	system adjustments after first contingency mitigates the issue

2024-2025 ISO Reliability Assessment - Preliminary Study Results

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SCF Tehanhani & Rin Creek Corrido



Transient Stability												
					Loading % (Bas	eline Scenarios)	T			Loading % (Sensitivity Scena	rios)	
Contingency (All and Worst P6)	Category	Category Description	2026 Summer Peak	2029 Summer Peak	2034 Summer Peak	2029 Summer-Off Peak	2026 Spring-Off Peak	2029 Spring-Off Peak	2029 SP High CEC Forecast	2026 SP Heavy Renewable & Min Gas Gen	2026 Spring Shoulder-Peak	Project & Potential Mitigation Solutions
MAGUNDEN-SPRINGVILLE NO. 1 230 KV	P1	N-1	No issues	No issues	No issues	No Violation						
MAGUNDEN-SPRINGVILLE NO. 2 230 KV	P1 P1	N-1 N-1	No issues	No issues	No issues	No Violation						
MAGUNDEN-VESTAL NO. 1 230 KV MAGUNDEN-VESTAL NO. 2 230 KV	PI	N-1	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pardee-Svimar No. 2 and Pardee-Moorpark No. 3 220 kV and Loss of Rector SVC Pardee-Sylmar No. 1 and Pardee-Moorpark No. 2 230 kV and Loss of Rector SVC	P2 P2	Line Section wio Fault Line Section wio Fault	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pardee-Saugus 1A and Pardee-Moorpark No. 4 230 kV and Loss of Rector SVC Pardee leg of the Pardee-Pastoria-Warne and Pardee-Santa Clara 230 kV and Loss of Rector SVC	P2 P2	Line Section wio Fault Line Section wio Fault	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pardee-Vincent No.1 and Pardee-Pastoria 230 kV and Loss of Rector SVC	P2 P2	Line Section wio Fault Line Section wio Fault	No issues	No issues	No issues	No Violation						
Pardee-Balley and Pardee-Vincent No. 2 230 kV and Loss of Rector SVC Big Creek 3 - Rector No.1 and Rector-Vestal No.2 230 kV and Loss of Rector SVC	P2	Line Section wio Fault	No issues No issues	No issues No issues	No issues No issues	No Violation						
Big Creek 1 - Rector and Rector-Vestal No.1 230 kV and Loss of Rector SVC Pastoria-Lebec and Pastoria-Edmonston 230 kV and Loss of Rector SVC	P2 P2	Line Section wio Fault Line Section wio Fault	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pastoria-Magunden No.1 and Pastoria-Balley 230 kV and Loss of Rector SVC	P2	Line Section wio Fault Line Section wio Fault	No issues	No issues	No issues	No Violation No Violation						
Pastoria-Magunden No. 2 and Pastoria-Pardee 230 kV and Loss of Rector SVC Pastoria-Pardee-Warne and Pastoria-Magunden No. 3 230 kV and Loss of Rector SVC	P2 P2	Line Section wio Fault	No issues No issues	No issues No issues		No Violation						
Bio Creek 4 - Scrinoville and Macunden - Sprinoville No. 2 230 kV and Loss of Rector SVC Big Creek 2-Big Creek 8 & Big Creek 3-Big Creek 8 and Loss of Rector SVC	P2 P2	Line Section wio Fault Line Section wio Fault	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pardee-Sylmar No. 2 and Pardee-Moorpark No. 3 220 kV Pardee-Sylmar No. 1 and Pardee-Moorpark No. 2 230 kV	P4 P4	N-1 N-1	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pardee-Saugus 1A and Pardee-Moorpark No. 4 230 kV	P4	N-1	No issues	No issues	No issues	No Violation						
Pardee leg of the Pardee-Pastoria-Warne and Pardee-Santa Clara 230 kV Pardee-Vincent No. 1 and Pardee-Pastoria 230 kV	P4 P4	N-1 N-1	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Partice-Balley and Partice-Vincent No. 2 230 kV Bio Creek 3 - Rector No. 1 and Rector-Vestal No. 2 230 kV	P4 P4	N-1 N-1	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Big Creek 1 - Rector and Rector-Vestal No.1 230 kV	P4	N-1	No issues	No issues	No issues	No Violation						
Pastoria-Lebec and Pastoria-Edmonston 230 kV Pastoria-Magunden No.1 and Pastoria-Balley 230 kV	P4 P4	N-1 N-1	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pastoria-Magunden No. 2 and Pastoria-Pardee 230 kV Pastoria-Pardee-Werne and Pastoria-Magunden No. 3 230 kV	P4 P4	N-1 N-1	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Big Creek 4 - Springville and Magunden - Springville No. 2 230 kV	P4	N-1	No issues	No issues	No issues	No Violation						
Balley 66 kv East Bus Antelope 230 kV	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Balley 230 KV	P5	Non-Redundant Relay	No issues	No issues	No issues	No Violation Develop PTO standards on BES DC station						
Big Crook 1	P5	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	No issues	WECC criteria not met	No issues	No issues	WECC criteria not met	WECC criteria not met	No issues	supply to meet NERC TPL-001-5 PS-2 Footnote 13c criteria and install the necessary mitigation. FACTS Engineering and Sub R tooking into pilot program to install 2nd DC station supply
Big Crisis 2	PS	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	Develop PTO standards on BES DC station supply to meet NERC TPL-001-6 PS-2 Footnise 15 collection and reliable necessary mitigation. FACTS Engineering and Su.P. Robing into plot program to install 2nd DC station supply						
Big Creak 3	PS	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	supply to meet NERC TPL-001-5 P5.2 Footnote 13c oriteria and install the necessary mitigation. FACTS Engineering and Sub R tooking into plot program to install 2nd DC station supply						
Big Creak 4	PS	Non-Redundant Relay	WECC criteria not met	No issues	No issues	WECC criteria not met	WECC criteria not met	WECC criteria not met	No issues	WECC criteria not met	WECC criteria not met	Develop PTO standards on BES DC station supply to meet NECT PT-001-5 F55.2 Footnote 13c criteria and install the necessary mitigation. FAITS Engineering and SuA R looking into pilot program to install 2nd DC station supply
Big Creek 8	P5	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	No issues	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	WECC criteria not met	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnote 13c orderin and restall the necessary mitigation. FACTS Engineering and SuA R looking into pilot program to install 2nd DC station supply
Magunden 220 NV	P5	Non-Redundant Relay	WECC criteria not met	No issues	WECC criteria not met	No issues	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnote 15 Contents and install the necessary mitigation. FACTS Engineering and SuR R looking into plet program to install 2nd DC station supply					
Neumanh 66 kV	PS	Non-Redundant Relay	No issues	No issues	No issues	WECC criteria not met	No issues	No issues	No issues	No issues	No issues	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Foothes 15 c Interior and install the necessary mitigation. FACTS Engineering and Sub R looking into plot program to install 2nd DC station supply
Perdox 235 AV	PS PS	Non-Redundant Relay	WECC criteria not met	No issues	WECC criteria not met	No issues	No issues	No issues	No issues	WECC criteria not met	No issues	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnote 13c Circina and install the necessary mitigation. FACTS Engineering and Sub R looking into plot program to install 2nd DC station supply
Pastoia 230 VV	PS	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	Develop PTO standards on BES DC station supply to meet NERC TPL-001-6 PS.2 Foothes 15 citions and install the necessary mitigation. FACTS Engineering and Sub R looking into plot program to install 2nd DC station supply						
Rector 220 MV	P5	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	WECC criteria not met	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnote 13c Circina and install the necessary mitigation. FACTS Engineering and Sub R looking into plot program to install 2nd DC station supply						
Springville 200 NV	P5	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	No issues	No issues	No issues	No issues	WECC criteria not met	WECC criteria not met	No issues	Develop PTO standards on BES DC station supply to meet NERC TFL-001-5 PS.2 Footnote 13c Orienta and install the necessary mitigation. FACTS Engineering and Sub R looking into pilot program to install 2nd DC station supply
Vestal 230 N/	PS PS	Non-Redundant Relay	WECC criteria not met	WECC criteria not met	No issues	No issues	No issues	No issues	WECC criteria not met	WECC criteria not met	No issues	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnote 15 contents and install the necessary mitigation. FACTS Engineering and Sub R looking into plot program to install 2nd DC station supply
Big Creek 1 - Big Creek 2 220 kv Line (Non Redundant Trip Coll Big Creek 1 CB# 612) Big Creek 1 - Rector 220 kv Line (Non Redundant Trip Coll Big Creek 1 CB# 412)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Big Creek 1 - Eastwood 220 kv Line (Non Redundant Trip Coll Big Creek 1 CB# 412)	P5	Non-Redundant Relay Non-Redundant Relay	No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation
Big Creek 2 - Big Creek 1 220 for Line (Non Redundant Trip Coll Big Creek 2 CB# 422) Big Creek 2 - Big Creek 3 220 for Line (Non Redundant Trip Coll Big Creek 2 CB# 412)	P5	Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Big Creek 2 - Big Creek 8 220 kv Line (Non Redundant Trip Coll Big Creek 2 CB# 442) Bio Creek 4 - Big Creek 3 220 kv Line (Non Redundant Trip Coll Big Creek 4 CB# 412)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Big Creek 4 - Big Creek 3 220 for Line (Non Redundant Trip Coll Big Creek 4 CB# 622) Big Creek 4 - Springt/file 220 for Line (Non Redundant Trip Coll Big Creek 4 CB# 622)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Big Creek 8 - Big Creek 2 220 kv Line (Non Redundant Trip Coll Big Creek 8 CB# 412)	P5	Non-Redundant Relay	No issues	No issues	No issues	No Violation						
Bio Creek 8 - Bio Creek 3 220 kr Line (Non Redundant Trio Coll Bio Creek 8 CB# 422) Pastoria - Bailey 220 kr Line (Non Redundant Trip Coll Pastoria CB# 542)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pactoria - Edmonston 200 ler Line (Non Redundant Trip Coll Pactoria CBE 502)	P5	Non-Redundant Relay	Unstable	No issues	Unstable	No issues	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnote 13c ontheirs and install the necessary mitigation. FACTS Engineering and Sub R looking into plot program to install 2nd DC station supply					
Pastoria - Lebec 220 kv Line (Non Redundant Trip Coll Pastoria CB# 552)	P5	Non-Redundant Relay	No issues	No issues	No issues	No Violation						
Pastoria - Maounden No. 1 220 kv Line (Non Redundent Trio Coll Pastoria CB# 542) Pastoria - Magunden No. 2 220 kv Line (Non Redundent Trip Coll Pastoria CB# 532)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pastoria - Pardee 220 kv Line (Non Redundant Trip Coll Pastoria CB# 512) Pastoria - Pardee 220 kv Line (Non Redundant Trip Coll Pastoria CB# 512)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Pastoria - Pardee-Warne 220 kv Line (Non Redundant Trip Coll Pastoria CB# 512)	P5	Non-Redundant Relay	No issues	No issues No issues	No issues	No issues No issues	No issues	No issues	No issues	No issues		No Violation No Violation
Rector - Big Creek 1 220 kv Line (Non Redundant Trip Coll Rector CB# 5032) Rector - Big Creek 3 No. 1 220 kv Line (Non Redundant Trip Coll Rector CB# 5042)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Rector - Big Creek 3 No. 2 220 kv Line (Non Redundant Trip Coll Rector CB# 4022)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues	No issues	No issues	No Violation No Violation						
Rector - Sprinaville 220 kv Line (Non Redundant Trip Coll Rector CB# 5012) Rector - Vestal No. 1 220 kv Line (Non Redundant Trip Coll Rector CB# 5032)	P5 P5	Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation						
Rector - Vestal No. 2 220 kv Line (Non Redundant Trip Coll Rector CB# 5042) Vestal - Magunden No. 1 220 kv Line (Non Redundant Trip Coll Vestal CB# 452)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues		No Violation No Violation						
Vestal - Masunden No. 2 220 kv Line (Non Redundent Trio Coll Vestal CB# 662) Vestal - Rector No. 1 220 kv Line (Non Redundent Trip Coll Vestal CB# 412)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues	No Violation No Violation						
Vestal - Rector No. 2 220 kv Line (Non Redundant Trip Coll Vestal CB# 622)	P5 P5	Non-Redundant Relay	No issues	No issues	No issues	No Violation						
Antelope - Neenach 66 kv Line (Non Redundant Trip Coll Antelope CB# 49) Balley - Neenach-Westpac 66 kv Line (Non Redundant Trip Coll Balley CB# 120)	P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Neenach - Antelope 65 kv Line (Non Redundant Trip Coll Neenach CB# 10) Neenach - Balley-Westpac 66 kv Line (Non Redundant Trip Coll Neenach CB# 2)	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation						
Neenach - Balley-Westpac (Neenach-Balley) Ckt 1 65 kV Neenach - Balley-Westpac (Neenach-Westpac) Ckt 1 65 kV	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues No issues	No issues	No Violation No Violation						
Nestrauri - Sainsy-Westpac (Westpack) Cut 1 66 KV Balley - Nesnach-Westpac (Balley-Westpach) Cut 1 66 KV Balley - Nesnach-Westpac (Balley-Westpac) Cut 1 66 KV	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues	No issues No issues	No issues No issues	No Violation No Violation
Westpac - Neenach-Bailey (Westpac-Bailey) Ckt 1 65 kV	P5	Non-Redundant Relay	No issues	No issues No issues	No issues	No issues	No issues	No issues	No issues No issues	No issues	No issues	No Violation
Westpac - Neenach-Bailey (Westpac-Neenach) Ckt 1 66 kV	P5	Non-Redundant Relay	No issues No issues	No issues No issues	No issues No issues	No Violation						
Anteloce - Neenach Ckt 1 65 kV Neenach - Antelope Ckt 1 65 kV	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues	No issues	No issues	No Violation No Violation						

Vestal - Magunden Ckt 1 230 kV	ne ne	Non-Redundant Relay	No issues	Ma Malatan								
Springville - Magunden Ckt 2 230 kV	P5	Non-Redundant Relay	No issues	No Violation								
Springville - Magunden Ckt 1 230 kV	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues	No Violation								
Pastoria - Pardee - Warne (Pastoria-Pardeel 230 kV Pastoria - Pardee - Warne (Pastoria-Warne) 230 kV	P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No Violation								
Pardee - Pastoria - Warne (Pardee-Pastoria) 230 kV	P5	Non-Redundant Relay	No issues	No Violation								
Pardee - Pastoria - Warne (Pardee-Warne) 230 kV Warne - Pastoria - Pardee (Warne-Pastoria) 230 kV	P5 P5	Non-Redundant Relay Non-Redundant Relay	No issues No issues	No Violation No Violation								
Warne - Pastoria - Pardee (Warne-Pardee) 230 kV Warne - Pastoria - Pardee (Warne-Pardee) 230 kV	P5	Non-Redundant Relay	No issues	No Violation								
Pastoria - Pardee Ckt 1 230 kV	P5	Non-Redundant Relay	No issues	No Violation								
Padoria - Edmonston 230 MV	P5	Non-Redundant Relay	Unstable	No issues	Unstable	No issues	Develop PTO standards on BES DC station supply to meet NERC TPL-001-5 PS.2 Footnete 13c centries and install the necessary mitigation. FACTS Engineering and Sub R bolking into pilot program to install 2nd DC station supply					
Pardee - Pastoria Ckt 1 230 kV	P5	Non-Redundant Relay	No issues	No Violation								
Magunden - Vestal Cit. 2 230 kV Magunden - Vestal Cit. 1 230 kV	P5 P5	Non-Redundant Relay	No issues No issues	No Violation No Violation								
Magunden - Springville Okt 2 230 KV	P5	Non-Redundant Relay Non-Redundant Relay	No issues	No Violation								
Macunden - Scrinoville Ckt 1 230 kV	P5	Non-Redundant Relay	No issues	No Violation								
BIG CREEK 1-RECTOR and BIG CREEK 3-RECTOR NO. 1	P6	N-1-1	No issues	Unstable	Unstable	Unstable	No issues	No issues	Unstable	No issues	No issues	Existing Big Creek/San Joaquin Valley RAS
BIG CREEK 1-RECTOR and BIG CREEK 3-RECTOR NO. 1 - BC/SJV RAS armed to trip Eastwood and Mammoth	P6	N-1-1	No issues	No Violation								
Big Creek 3-Rector No. 2 & Big Creek 1-Rector	P6	N-1-1	No issues	Unstable	Unstable	Unstable	No issues	No issues	Unstable	No issues	No issues	Existing Big Creek/San Joaquin Valley RAS
Big Creek 3-Rector No. 2 & Big Creek 1-Rector with RAS	P6	N-1-1	No issues	No Violation								
BIG CREEK 3-RECTOR NO 2 and BIG CREEK 4-SPRINGVILLE	P6	N-1-1	No issues	Unstable	No issues	Unstable	No issues	No issues	Unstable	No issues	No issues	Existing Big Creek/San Joaquin Valley RAS
BIG CREEK 3-RECTOR NO.2 and BIG CREEK 4-SPRINGVILLE with RAS			No issues	No Violation								
BIG CREEK 4-SPRINGVILLE and RECTOR-SPRINGVILLE	P6 P6	N-1-1 N-1-1	No issues	No Violation								
BIG CREEK 4-SPRINGVILLE and RECTOR-SPRINGVILLE with RAS	P6	N-1-1 N-1-1	No issues	No Violation								
RECTOR-VESTAL NOS. 1 & 2 RECTOR-VESTAL NOS. 1 & 2 with RAS	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
MAGUNDEN-SPRINGVILLE NOS. 1 & 2	P6	N-1-1	No issues	No issues	No issues	Unstable	No issues	Existing Big Creek/San Joaquin Valley RAS				
MAGUNDEN-SPRINGVILLE NOS. 1 & 2 wth RAS	P6	N-1-1	No issues	No Violatino								
MAGUNDEN SPRINGVELE NOS. 1 & 2 WITH HAS MAGUNDEN VESTAL NOS. 1 & 2	P6	N-1-1	No issues No issues	No issues No issues	No issues No issues	No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	Existing Big Creek/San Joaquin Valley RAS
		N-1-1 N-1-1										Ma Madalan
MAGUNDEN-VESTAL NOS. 1 & 2 wth RAS Bia Creek 1-Rector & Bia Creek 3-Bia Creek 8	P6 P6	N-1-1	No issues No issues	No Violation No Violation								
Magunden-Vestal No. 1 & Rector-Springville	P6	N-1-1 N-1-1	No issues	No Violation								
Magunden-Vestal No. 2 & Rector-Springville Pactor-Vestal No. 1 & Magunden-Springville No. 1	P6	N-1-1 N-1-1	No issues No issues	No Violation								
Rector-Vestal No. 1 & Magunden-Springville No. 1 Rector-Vestal No. 2 & Magunden-Springville No. 1	P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
Magunden-Vestal No. 1 & Magunden-Springville No. 1	P6	N-1-1 N-1-1	No issues	No Violation								
Magunden-Vestal No. 2 & Magunden-Springville No. 1 Rector-Vestal No. 1 & Rector-Springville	P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
Rector-Vestal No. 2 & Rector-Springville	P6	N-1-1	No issues	No Violation								
Big Creek 3-Rector No. 1 & Rector-Springville	P6	N-1-1 N-1-1	No issues	No Violation								
Magunden-Pastoria Nos. 1 & 2 Magunden-Pastoria Nos. 1 & 3	P6	N-1-1 N-1-1	No issues No issues	No Violation								
Macunden-Pastoria Nos. 2 & 3	P6	N-1-1	No issues	No Violation								
Balley-Pastoria and Pardee-Pastoria	P6	N-1-1 N-1-1	No issues	No Violation No Violation								
Balley-Pastoria and Pardee-Pastoria-Warne Pardee-Pastoria and Pardee-Pastoria-Warne	P6	N-1-1 N-1-1	No issues No issues	No Violation								
Pardee-Pastoria and Balley-Pardee	P6	N-1-1	No issues	No Violation								
Balley-Pardee and Pardee-Pastoria-Warne Anteicoe-Macunden Nos. 1 and 2	P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
Artelope-Magunden No. 1 & Pardee-Pastoria-Werne	P6	N-1-1	No issues	No Violation								
Atterope-Magunden No. 2 & Parose-Pastona-Warne	P6	N-1-1 N-1-1	No issues	No Violation								
Antelopo-Pardee & Pardee-Pastoria-Wiame Balley-Pastoria & Balley-Pardee	P6	N-1-1	No issues Unstable	No issues Unstable	No issues Unstable	No issues Unstable	No issues No issues	No issues No issues	No issues Unstable	No issues Unstable	No issues No issues	No Violation Split Antelope—Balley 66 kV System per existing SCE operating procedure after initial continuous
Bia Creek 1-Rector & Bia Creek 2-Bia Creek 8	P6	N-1-1	No issues	No Violation								
Antelope-Pardee & Balley-Pastoria	P6	N-1-1	No issues	No Violation								
Balley-Pardee & Pastoria-Edmonston Balley-Pardee & Pastoria-Edmonston with mitigation	P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
Balley-Pastoria & Pastoria-Edmonston	P6	N.1.1	No issues	No Violation								
Balley-Pastoria & Pastoria-Edmonston with mitigation	P6	N-1-1 N-1-1	No issues	No Violation								
Pardee-Vincent and Pardee-Vincent2 Rector SVC and Magunden-Vestal No. 1	P6	N-1-1 N-1-1	No issues No issues	No Violation								
Rector SVC and Magunden-Vestal No. 2	P6	N-1-1	No issues	No Violation								
Rector SVC and Magunden-Springville No. 1 Rector SVC and Magunden-Springville No. 2	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
Rector SVC and Magunden-Pastoria No. 1	P6	N-1-1 N-1-1	No issues	No Violation								
Rector SVC and Magunden-Pastoria No. 2	P6	N-1-1 N-1-1	No issues	No Violation								
Rector SVC and Magunden-Pastoria No. 3 Rector SVC and Antelope-Magunden No. 2	P6 P6	N-1-1	No issues No issues	No Violation No Violation								
ANTELOPE MAGUNDEN NO.2 & RECTOR-VESTAL NO. 2	P6	N-1-1	No issues	No Violation								
MAGUNDEN-PASTORIA NO. 1 & MAGUNDEN-SPRINGVILLE NO. 1	P6	N-1-1 N-1-1	No issues	No Violation Existing Big Creek/San Joaquin Valley RAS								
BIG CREEK 4-SPRINGVILLE & BIG CREEK 1-RECTOR	P6	N-1-1 N-1-1	No issues	Unstable	Unstable	Unstable	No issues	No issues	Unstable	No issues	No issues	
BIG CREEK 4-SPRINGVILLE & BIG CREEK 1-RECTOR with mitigation MAGUNDEN-SPRINGVILLE NO. 1 & ANTEL OPE-MAGUNDEN NO. 2	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
MAGUNDEN-SPRINGVILLE NO. 1 & BIG CREEK 4-SPRINGVILLE	P6	N-1-1	No issues	No issues	No issues	Unstable	No issues	Connection management and system re-				
BALEY 1A & 2a	P6	N-1-1	No issues	dispatch after initial contingency								
MAGUNDEN-OMAR & RECTOR-VESTAL NO. 1	P6	N-1-1	No issues	No Violation								
MAGUNDEN-OMAR & MAGUNDEN-PASTORIA NO. 3	P6	N-1-1 N-1-1	No issues	No Violation No Violation								
MAGUNDEN-OMAR & MAGUNDEN-SPRINGVILLE NO. 1 MAGUNDEN-OMAR & ANTELOPE-MAGUNDEN NO. 2	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation								
MAGUNDEN-OMAR & RECTOR-SPRINGVILLE	P6	N-1-1	No issues	No Violation								
MAGUNDEN-OMAR & BIG CREEK 4-SPRINGVILLE MAGUNDEN-OMAR & BIG CREEK 3-RECTOR NO. 1	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
MAGUNDEN-OMAR & BIG CREEK 3-RECTOR NO. 2	P6	N-1-1	No issues	No Violation No Violation								
MAGUNDEN-OMAR & BIG CREEK 3-BIG CREEK 4 MAGUNDEN-OMAR & RECTOR SVC	P6 P6	N-1-1 N-1-1	No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No issues No issues	No Violation No Violation
ANTELOPE, MAGUNDEN NO. 2 & RECTOR, VESTAL NO. 2	P6	N-1-1	No issues No issues	No issues	No issues	No issues	No issues	No issues	No issues	No issues	No issues	No Violation
MAGUNDEN-PASTORIA NO. 1 & MAGUNDEN-SPRINGVILLE NO. 2 MAGUNDEN-OMAR & PASTORIA-LEBEC	P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
PASTORIA LEBEC & MAGUNDEN-SPRINGVILLE NO. 1	P6	N-1-1	No issues No issues	No issues No issues	No issues	No issues No issues	No issues No issues	No issues No issues	No issues	No issues	No issues No issues	No Violation
PASTORIA-LEBEC & MAGUNDEN-SPRINGVILLE NO. 2	P6	N-1-1	No issues	No Violation								
PASTORIA-LEBEC & MAGUNDEN-VESTAL NO. 1 PASTORIA-LEBEC & MAGUNDEN-VESTAL NO. 2	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation No Violation								
PASTORIA-LEBEC & RECTOR-SPRINGVILLE	P6	N-1-1	No issues	No Violation								
PASTORIA-LEBEC & RECTOR-VESTAL NO. 1	P6 P6	N-1-1 N-1-1	No issues	No Violation No Violation								
PASTORIA-LEBEC & RECTOR-VESTAL NO. 2 MAGUNDEN-SPRINGVILLE NO. 1 & RECTOR-SPRINGVILLE	P6 P6	N-1-1 N-1-1	No issues No issues	No Violation								
MAGUNDEN-SPRINGVILLE NO. 1 & BIG CREEK 4-SPRINGVILLE	P6	N-1-1	No issues	No issues	No issues	Unstable	No issues	Congestion management and system re-				
MAGUNDEN-SPRINGVILLE NO. 1 & BIG CREEK 3-RECTOR NO. 2	P6	N-1-1	No issues	dispatch after initial contingency No Violation								
BIG CREEK 4-SPRINGVILLE & RECTOR-VESTAL NO. 1	P6	N-1-1	No issues	Unstable	No issues	No issues	No issues	No issues	Unstable	No issues	No issues	Existing Big Creek/San Joaquin Valley RAS
Big Creek 3 - Rector No 2 and Rector - Springville 230 MV	P7	DCTL	No issues	No Violation								
Big Creek 3 - Rector No.1 and Big Creek 1 - Rector 230 KV Big Creek 3 - Rector No.1 and Big Creek 1 - Rector 230 KV	P7	DCTL	No issues No issues	No issues Unstable	No issues Unstable	No issues No issues	No issues No issues	No issues	Unstable	No issues	No issues	Existing Big Creek/San Joaquin Valley RAS
	P7	DCTL				No issues No issues	No issues No issues			No issues No issues		
Magunden - Omer and Magunden - Vestal No.1 230 kV	F/	DUIL	No issues	No Violation								

2024-2025 ISO Reliability Assessment - Preliminary Study Results

Study Area: SCE Tehachapi & Big Creek Corridor

Single Contingency Load Drop



							Amou	ınt of Load Drop	(MW)				
Worst Continge	ency	Category	Category Description	2026 Summer Peak	2029 Summer Peak	2034 Summer Peak	2029 Summer- Off Peak	2026 Spring- Off Peak	2029 Spring- Off Peak	CEC Forecast	2026 SP Heavy Renewable & Min Gas Gen	2026 Spring Shoulder-Peak	Potential Mitigation Solutions

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

2024-2025 ISO Reliability Assessment - Preliminary Study Results

Study Area: SCE Tehachapi & Big Creek Corridor

Single Source Substation with more than 100 MW Load



				L	oad Served (MV	V)			
Substation	2026 Summer Peak	2029 Summer Peak	2034 Summer Peak	2029 Summer- Off Peak	2026 Spring- Off Peak		2029 SP High CEC Forecast		Potential Mitigation Solutions

No single source substation with more than 100 MW