

Study Area: **PG&E Kern**

Thermal Overloads



| ID | Overloaded Facility | Worst Contingency | Category | Category Description | Loading (%) | | | | | | | | Potential Mitigation Solutions |
|---------|---|---|----------|----------------------|------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|--|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| KRN-T-1 | 34716 LRDO JCT 115 34718 KERN OIL 115 1 | P1-1:A15:25:_MT POSO 13.80 Generator ID 1 and P1-2:A15:35:_Kern PP-Seventh Standard 115 kV Line | P3 | L-1/G-1 | 102.95 | 107.03 | <100 | <100 | <100 | | | | East Kern 115 kV Voltage Conversion Project |
| KRN-T-2 | 34724 KRN OL J 115 34798 KERNWATR 115 1 | P1-1:A15:17:_DEXEL + 13.80 Generator ID 1 and P1-2:A15:44:_Kern-Live Oak 115 kV Line | P3 | L-1/G-1 | 100.39 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan Long term: Wheeler Ridge Junction Station Project/East Kern 115 kV Voltage Conversion Project |
| KRN-T-3 | 34724 KRN OL J 115 34798 KERNWATR 115 1 | P1-1:A15:39:_PSE-LVOK 9.11 Generator ID 1 and P1-2:A15:44:_Kern-Live Oak 115 kV Line | P3 | L-1/G-1 | 108.84 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan Long term: Wheeler Ridge Junction Station Project/East Kern 115 kV Voltage Conversion Project |
| KRN-T-4 | 34728 LIVE OAK 115 34752 KERN PWR 115 1 | P1-1:A15:39:_PSE-LVOK 9.11 Generator ID 1 and P1-2:A15:47:_Kern Oil-Witco 115 kV Line | P3 | L-1/G-1 | 114.59 | 121.47 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-5 | 34752 KERN PWR 115 34798 KERNWATR 115 1 | P1-1:A15:39:_PSE-LVOK 9.11 Generator ID 1 and P1-2:A15:44:_Kern-Live Oak 115 kV Line | P3 | L-1/G-1 | 112.03 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-6 | 34918 KERN PW2 70.0 34914 KERN PW1 70.0 1 | P1-1:A15:11:_KERNCNYN 11.00 Generator ID 1 and P1-3:A15:25:_Kern PP 115/70 kV Transformer #2 | P3 | L-1/G-1 | 102.52 | 110.40 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-7 | 38605 BUENAVJ2 230 30970 MIDWAY 230 1 | P1-1:A15:55:_ELKHIL2G 18.00 Generator ID 1 and P1-2:A15:89:_Midway-Wheeler Ridge #1 230 kV Line | P3 | L-1/G-1 | 104.51 | <100 | <100 | <100 | <100 | | | | East Kern 115 kV Voltage Conversion Project |
| KRN-T-8 | 30970 MIDWAY 230 30942 STCKDLJ1 230 1 | P1-2:A15:16:_Midway-Kern #3 230 kV Line and P1-2:A15:17:_Midway-Kern #4 230 kV Line | P6 | N-1-1 | 127.89 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan Long term: Mitigated by the approved Midway-Kern PP #1, #3 & #4 230 kV Line Capacity Increase Project |
| KRN-T-9 | 34704 SEMITROPIC_D 115 34705 WSCOPRSN 115 1 | P1-2:A15:101:_Semitropic-Wasco 115 kV Line and P1-2:A15:28:_Kern-Kern Oil-Famoso 115 kV Line | P6 | N-1-1 | <100 | <100 | 122.08 | <100 | <100 | | | | East Kern 115 kV Conversion Project |

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|----------|---|---|----------|----------------------|------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|--|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| KRN-T-10 | 34704 SEMITROPIC_D 115 34743 SEMITROPIC_E 115 1 | P1-2:A15:38:_Smyrna-Semitropic-Midway 115 kV Line and P1-2:A15:28:_Kern-Kern Oil-Famoso 115 kV Line | P6 | N-1-1 | <100 | <100 | 126.90 | <100 | <100 | | | | East Kern 115 kV Conversion Project |
| KRN-T-11 | 34705 WSCOPRSN 115 34710 CHARKA 115 1 | P1-2:A15:101:_Semitropic-Wasco 115 kV Line and P1-2:A15:28:_Kern-Kern Oil-Famoso 115 kV Line | P6 | N-1-1 | <100 | <100 | 112.07 | <100 | <100 | | | | East Kern 115 kV Conversion Project |
| KRN-T-12 | 34706 WESTPARK 115 34752 KERN PWR 115 1 | P1-2:A15:34:_Kern PP-Westpark #2 115 kV Line and P1-2:A15:42:_Kern-Magunden-Witco 115 kV Line | P6 | N-1-1 | 118.57 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-13 | 34706 WESTPARK 115 34752 KERN PWR 115 2 | P1-2:A15:33:_Kern PP-Westpark #1 115 kV Line and P1-2:A15:42:_Kern-Magunden-Witco 115 kV Line | P6 | N-1-1 | 118.57 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-14 | 34716 LRDO JCT 115 34718 KERN OIL 115 1 | P1-2:A15:35:_Kern PP-Seventh Standard 115 kV Line and P1-1:A15:25:_MT POSO 13.80 Generator ID 1 | P6 | N-1-1 | 102.97 | 107.03 | <100 | <100 | <100 | | | | East Kern 115 kV Conversion Project |
| KRN-T-15 | 34724 KRN OL J 115 34798 KERNWATR 115 1 | P1-2:A15:35:_Kern PP-Seventh Standard 115 kV Line and P1-2:A15:44:_Kern-Live Oak 115 kV Line | P6 | N-1-1 | 113.94 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project/ Wheeler Ridge Junction Station Project |
| KRN-T-16 | 34726 PTRL JCT 115 34719 POSOMTJT 115 1 | P1-2:A15:35:_Kern PP-Seventh Standard 115 kV Line and P1-2:A15:40:_Kern Oil-Witco 115 kV Line | P6 | N-1-1 | 114.92 | 122.65 | <100 | <100 | <100 | | | | East Kern 115 kV Conversion Project |
| KRN-T-17 | 34726 PTRL JCT 115 34728 LIVE OAK 115 1 | P1-2:A15:35:_Kern PP-Seventh Standard 115 kV Line and P1-2:A15:40:_Kern Oil-Witco 115 kV Line | P6 | N-1-1 | 114.91 | 122.64 | <100 | <100 | <100 | | | | East Kern 115 kV Conversion Project |

Study Area: **PG&E Kern**

Thermal Overloads



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|----------|--|---|----------|----------------------|------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|---|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| KRN-T-18 | 34728 LIVE OAK 115 34752 KERN PWR 115 1 | P1-2:A15:42:_Kern PP-Seventh Standard 115 kV Line and P1-2:A15:47:_Kern Oil-Witco 115 kV Line | P6 | N-1-1 | 132.24 | 144.91 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project/East Kern 115 kV Voltage Conversion Project |
| KRN-T-19 | 34752 KERN PWR 115 30945 KERN PP 230 3 | P1-3:A15:22:_Kern PP 230/115 kV Transformer #5 and P1-3:A15:21:_Kern PP 230/115 kV Transformer #4 | P6 | N-1-1 | 177.72 | 139.31 | 136.19 | <100 | <100 | | | | Replace terminal limiting equipment to benefit from the full 420MVA transformer rating as part of the Kern PP 230kV Area Reinforcement Project. |
| KRN-T-20 | 34752 KERN PWR 115 30945 KERN PP 230 4 | P1-3:A15:20:_Kern PP 230/115 kV Transformer #3 and P1-3:A15:22:_Kern PP 230/115 kV Transformer #5 | P6 | N-1-1 | 145.87 | 106.21 | 104.07 | <100 | <100 | | | | Short term: Action Plan (Install SPS as part of the approved Kern PP 230 kV Area Reinforcement Project) Long term: Kern PP 230 kV Area Reinforcement Project |
| KRN-T-21 | 34752 KERN PWR 115 30945 KERN PP 230 5 | P1-3:A15:21:_Kern PP 230/115 kV Transformer #3 and P1-3:A15:22:_Kern PP 230/115 kV Transformer #4 | P6 | N-1-1 | 127.23 | 100.28 | <100 | <100 | <100 | | | | TBD/East Kern 115 kV Conversion Project |
| KRN-T-22 | 34752 KERN PWR 115 34798 KERNWATR 115 1 | P1-2:A15:35:_Kern PP-Seventh Standard 115 kV Line and P1-2:A15:44:_Kern-Live Oak 115 kV Line | P6 | N-1-1 | 117.02 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-23 | 34752 KERN PWR 115 34798 KERNWATR 115 1 | P1-2:A15:39:_Westpark-Magunden 115 kV Line and P1-2:A15:53:_Magunden-Wheeler Ridge Jct 115 kV Line | P6 | N-1-1 | <100 | 102.47 | | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-24 | 34860 TAFT A 70.0 34919 TX_BV_HL 70.0 1 | P1-2:A15:72:_Midway-Taft 115 kV Line and P1-2:A15:73:_Taft-Chalk Cliff 115 kV Line | P6 | N-1-1 | <100 | <100 | 101.17 | <100 | <100 | | | | Short term: Action Plan Long term: Wheeler Ridge Junction Station Project |
| KRN-T-25 | 34872 LAKEVIEW 70.0 34882 SAN EMDO 70.0 1 | P1-3:A15:18:_Wheeler Ridge 230/70 kV Transformer #4 and P1-3:A15:19:_Wheeler Ridge 230/70 kV Transformer #5 | P6 | N-1-1 | <100 | <100 | <100 | 118.76 | Diverged | | | | Short term: Action Plan Long term: Wheeler Ridge Junction Station Project |
| KRN-T-26 | 34904 OLD RIVR 70.0 34975 OLD_RVR1_TP 70.0 1 | P1-3:A15:25:_Kern PP 115/70 kV Transformer #2 and P1-2:A15:96:_Kern PP 70 kV Bus Tie Breaker | P6 | N-1-1 | Diverged | Diverged | <100 | <100 | <100 | | | | Short term: Action Plan Long term: Wheeler Ridge Junction Station Project |

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Thermal Overloads



| ID | Overloaded Facility | Worst Contingency | Category | Category Description | Loading (%) | | | | | | | | Potential Mitigation Solutions |
|----------|--|--|----------|----------------------|------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|--|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| KRN-T-27 | 34918 KERN PW2 70.0 34914 KERN PW1 70.0 1 | P1-3:A15:24:_Kern PP 115/70 kV Transformer #1 and P1-2:A15:28:_Kern-Old River #2 (Kern-Panama) 70 kV Line | P6 | N-1-1 | 117.78 | 129.41 | 140.51 | <100 | <100 | | | | Short term: Action Plan (summer setup). Long term: Mitigated by the approved Kern PP 115 kV Area Reinforcement Project |
| KRN-T-28 | 34926 FAMOSO 70.0 34131 CAWLOB T 70.0 1 | P1-2:A15:14:_Midway-LaPaloma #1 230 kV Line and P1-2:A15:29:_Smyrna-Semitropic-Midway 115 kV Line | P6 | N-1-1 | <100 | <100 | <100 | 100.07 | <100 | | | | East Kern 115 kV Conversion Project |
| KRN-T-29 | 34975 OLD_RVR1_TP 70.0 34903 PANMJCT1 70.0 1 | P1-3:A15:25:_Kern PP 115/70 kV Transformer #2 and P1-2:A15:85:_Kern PP 70 kV Bus Tie Breaker | P6 | N-1-1 | Diverged | NConv | <100 | <100 | <100 | | | | Short term: Action Plan Long term: Mitigated by the approved Midway-Kern PP #1, #3 & #4 230 kV Line Capacity Increase Project |
| KRN-T-30 | 38605 BUENAVJ2 230 30970 MIDWAY 230 1 | P1-2:A15:26:_Kern-Kern Front (PSE) 115 kV Line and P1-2:A15:89:_Midway-Wheeler Ridge #1 230 kV Line | P6 | N-1-1 | 104.26 | <100 | <100 | <100 | <100 | | | | Short term: Action Plan Long term: Mitigated by the approved Midway-Kern PP #1, #3 & #4 230 kV Line Capacity Increase Project |
| KRN-T-31 | 38605 BUENAVJ2 230 30970 MIDWAY 230 1 | P1-2:A15:26:_Wheeler Ridge Jct-Wheeler Ridge 230 kV Line and P1-2:A15:101:_Midway-Wheeler Ridge #1 230 kV Line | P6 | N-1-1 | <100 | 102.32 | 102.93 | <100 | <100 | | | | Short term: Action Plan Long term: Mitigated by the approved Midway-Kern PP #1, #3 & #4 230 kV Line Capacity Increase Project |

Study Area: **PG&E Kern**

Voltage Deviations



| ID | Substation | Worst Contingency | Category | Category Description | Post Cont. Voltage Deviation % | | | | | | | | Potential Mitigation Solutions |
|----|------------|-------------------|----------|----------------------|--------------------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|--------------------------------|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| | | | | | | | | | | | | | |

No voltage deviations identified.

Study Area: **PG&E Kern**

High/Low Voltage



| ID | Substation | Worst Contingency | Category | Category Description | Voltage (PU) | | | | | | | Potential Mitigation Solutions | |
|----------|----------------|---|----------|----------------------|------------------|------------------|------------------|----------------------|------------------------|-----|-----|--------------------------------|--------------------------------|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | | N/A |
| KRN-V-1 | COPUS_D 70 kV | P1-1:A15:60:_S_KERN 0.36 Generator ID 1 and P1-2:A15:97:_Kern-Old River #1 70 kV Line | P3 | L-1/G-1 | >0.9 | >0.9 | 0.8914 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-2 | COPUS_E 70 kV | P1-1:A15:60:_S_KERN 0.36 Generator ID 1 and P1-2:A15:97:_Kern-Old River #1 70 kV Line | P3 | L-1/G-1 | >0.9 | >0.9 | 0.8914 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-3 | WHEELER 230 kV | P1-1:A15:58:_ORION 0.44 Generator ID 1 and P1-2:A15:89:_Midway-Wheeler Ridge #1 230 kV Line | P3 | L-1/G-1 | 0.8913 | >0.9 | >0.9 | >0.9 | >0.9 | | | | Action Plan |
| KRN-V-4 | BAKRSFLD 70 kV | P1-3:A15:24:_Kern PP 115/70 kV Transformer #1 and P1-2:A15:85:_Kern PP 70 kV Bus Tie Breaker | P6 | N-1-1 | >0.9 | >0.9 | 0.8553 | 1.1022 | >0.9 | | | | Mitigation under investigation |
| KRN-V-5 | CARNATIO 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8627 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-6 | COPUS_D 70 kV | P1-2:A15:82:_Kern-Old River #1 70 kV Line and P1-3:A15:33:_South Kern Solar 70/34.5 kv GSU | P6 | N-1-1 | 0.8601 | 0.842 | 0.8375 | >0.9 | >0.9 | | | | Action Plan |
| KRN-V-7 | EISEN 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8444 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-8 | GRMWY_SM 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8098 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-9 | KERN PW2 70 kV | P1-2:A15:85:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #1 | P6 | N-1-1 | >0.9 | 1.1038 | 1.1001 | 1.1089 | >0.9 | | | | Mitigation under investigation |
| KRN-V-10 | KERN PW2 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8614 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-11 | KRN CNYN 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8645 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-12 | MAGUNDEN 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8567 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-13 | OLD RIVR 70 kV | P1-3:A15:33:_South Kern Solar 70/34.5 kv GSU and P1-2:A15:97:_Kern-Old River #1 70 kV Line | P6 | N-1-1 | >0.9 | 0.8984 | 0.8954 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-14 | PANAMA 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8713 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-15 | RIOBRVQF 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.8621 | >0.9 | >0.9 | | | | Monitor voltage |

Study Area: **PG&E Kern**

High/Low Voltage



| ID | Substation | Worst Contingency | Category | Category Description | Voltage (PU) | | | | | | | | Potential Mitigation Solutions |
|----------|--------------------|--|----------|----------------------|------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|--------------------------------|
| | | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| KRN-V-16 | SEMITRPC 70 kV | P1-3:A15:25:_Kern PP 115/70 kV Transformer #2 and P1-2:A15:29:_Smyrna-Semitropic-Midway 115 kV Line | P6 | N-1-1 | >0.9 | >0.9 | >0.90 | 0.90 | >0.9 | | | | Action Plan |
| KRN-V-17 | WEEDPATCH_SF 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.83 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-18 | WELLFILD 70 kV | P1-2:A15:100:_Kern PP 70 kV Bus Tie Breaker and P1-3:A15:24:_Kern PP 115/70 kV Transformer #2 | P6 | N-1-1 | >0.9 | >0.9 | 0.81 | >0.9 | >0.9 | | | | Monitor voltage |
| KRN-V-19 | WHEELER 230 kV | P1-2:A15:26:_Wheeler Ridge Jct-Wheeler Ridge 230 kV Line and P1-2:A15:102:_Midway-Wheeler Ridge #2 230 kV Line | P6 | N-1-1 | >0.9 | 1.1415 | 1.13 | >0.9 | >0.9 | | | | Mitigation under investigation |
| KRN-V-20 | WHEELER 230 kV | P1-2:A15:89:_Midway-Wheeler Ridge #1 230 kV Line and P1-3:A15:18:_Wheeler Ridge 230/70 kV Transformer #4 | P6 | N-1-1 | 0.89 | >0.9 | >0.9 | >0.9 | >0.9 | | | | Action Plan |
| KRN-V-21 | WHEELER 230 kV | P1-2:A15:89:_Midway-Wheeler Ridge #1 230 kV Line and P1-2:A15:90:_Midway-Wheeler Ridge #2 230 kV Line | P6 | N-1-1 | >0.9 | >0.9 | >0.9 | 0.84 | >0.9 | | | | Action Plan |

Study Area: **PG&E Kern**

Transient Stability



| ID | Contingency | Category | Category Description | Transient Stability Performance | | | | | | | | Potential Mitigation Solutions |
|--------|-------------|----------|----------------------|---------------------------------|------------------|------------------|----------------------|------------------------|-----|-----|-----|--------------------------------|
| | | | | 2017 Summer Peak | 2020 Summer Peak | 2025 Summer Peak | 2017 Spring Off-Peak | 2020 Summer Light Load | N/A | N/A | N/A | |
| X-TS-1 | | | | | | | | | | | | |

Study Area: PG&E Kern



Single Contingency Load Drop

| ID | Worst Contingency | Category | Category Description | Amount of Load Drop (MW) | | | | | | | | Potential Mitigation Solutions |
|---------|-------------------|----------|----------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|--------------------------------|
| | | | | Select.. | Select.. | Select.. | Select.. | Select.. | Select.. | Select.. | Select.. | |
| X-SLD-1 | | | | | | | | | | | | |

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

Study Area: **PG&E Kern**



Single Source Substation with more than 100 MW Load

| ID | Substation | Load Served (MW) | | | | | | | | Potential Mitigation Solutions |
|--------|------------|------------------|----------|----------|----------|----------|----------|----------|----------|--------------------------------|
| | | Select.. | Select.. | Select.. | Select.. | Select.. | Select.. | Select.. | Select.. | |
| X-SS-1 | | | | | | | | | | |

No single source substation with more than 100 MW Load