

Annual Electric Reliability Report Calendar Year: 2025

Prepared for:
California Public Utilities Commission
Pursuant to Decision 16-01-008

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EXECUTIVE SUMMARY

The reliability information contained within this document comprises the Southern California Edison (SCE) Annual Electric Reliability Report for calendar year 2025, as required by California Public Utilities Commission (CPUC) Decision 16-01-008.

Table 1 summarizes SCE's 2025 performance for unplanned outages, including and excluding Major Event Days (MEDs). The table includes the 10-year average performance for unplanned outages, including and excluding MEDs for comparison.

Year	System Indices							
	MED Included				MED Excluded			
	SAIDI	SAIFI	MAIFI	CAIDI	SAIDI	SAIFI	MAIFI	CAIDI
2025	545.01	1.39	1.26	392.10	116.37	0.96	1.07	120.79
10 Year Avg (2016-2025)	192.04	1.09	1.44	170.48	97.24	0.90	1.27	107.32

Table 1: System Indices for 2025 and the 10-year Average (2016-2025)

SCE has and continues to make investments to improve the reliability of its electric system. The increase in System Average Interruption Duration Index (SAIDI), System Average Interruption Frequency Index (SAIFI), and Customer Average Interruption Duration Index (CAIDI) relative to the 10-year average is primarily driven by MEDs experienced in 2025. When excluding MEDs, SAIDI increased relative to the 10-year average primarily due to localized reliability challenges in specific districts (e.g., Thousand Oaks, Redlands, Menifee, Arrowhead, Foothill, and Monrovia). SAIDI was also impacted by equipment failures, operational changes for wildfire risk mitigation by expanding de-energization criteria, and more sensitive protection settings during fire weather conditions.

In 2025, SCE experienced 21 days that resulted in MEDs, which constitutes a day in which the daily SAIDI exceeded the threshold value (T_{MED}) of 2.04 minutes. Table 2 shows the 21 MEDs, the SAIDI impact totaling 428.64 minutes of SAIDI, and the identified causes. Out of the 21 MEDs, 15 MEDs were in January.

Major Event Days for 2025		
Major Event Day	SAIDI	Cause
01/07/2025	154.63	Weather and PSPS
01/08/2025	107.05	PSPS
01/09/2025	31.19	PSPS
01/10/2025	3.22	PSPS
01/11/2025	8.66	PSPS
01/12/2025	6.00	PSPS
01/13/2025	18.02	PSPS
01/14/2025	17.01	PSPS
01/15/2025	7.13	PSPS
01/16/2025	2.52	Operations
01/17/2025	9.67	Operations and Weather
01/20/2025	12.67	PSPS
01/21/2025	4.59	PSPS
01/22/2025	8.92	PSPS
01/23/2025	16.35	PSPS
06/28/2025	3.18	Weather
08/05/2025	4.24	Transmission
08/21/2025	2.37	Transmission
08/23/2025	2.06	No Cause Found and Weather
11/15/2025	2.09	Equipment Failure
12/24/2025	7.05	3rd Party and Equipment Failure

Table 2: Major Event Days for 2025

In 2025, SCE built upon its existing evaluation framework of traditional SAIDI and SAIFI indices and Worst Performing Circuits (WPC) program and began evaluating two customer level reliability indices in earnest: customers experiencing multiple interruption (CEMI) and customers experiencing long interruption duration (CELID). These indices provide a constructive view of reliability impacts at the customer level and serve as a complement to the traditional SAIDI and SAIFI indices. SCE discusses these two indices in more detail in Section 5d.

SCE continuously seeks opportunities to improve reliability performance, including reducing restoration times by improving processes for operational response, replacing aging and/or poorly performing infrastructure with new equipment such as underground cable and expanding our overhead covered conductor installations into non-high fire restriction areas, targeted interventions for circuits with poor customer experience including frequent customer interruptions and long outages with high customer minutes of interruption, and enhancing circuitry via automation and equipment that expedites identification of the faulted location and improves both isolation and restoration. Looking ahead, SCE is building capabilities to improve reliability performance into future infrastructure deployments. For example, SCE is planning to replace over five million customer meters with next-generation advanced meters, which will help lessen customer impacts through real-time outage diagnostics, including exploring solutions to proactively anticipate and prioritize major events by leveraging AI and predictive

analytics to inform pre-event preparation, resource staging, and post-event response, reducing restoration time, operational risk, and field exposure. In addition, this metering infrastructure is expected to enhance reliability by enabling real-time grid visibility, quicker operational response, and faster fault isolation and restoration, reducing outage duration and improving overall reliability performance.

BACKGROUND: Reliability Report History

Decision 16-01-008 became effective January 14, 2016. The purpose of this Decision was to establish policies, procedures, and rules for reliability reporting and mitigation of reliability problems within the service area of the California investor-owned utilities.

The content contained in this report is based on reliability indices and their respective definitions and formulas, as defined in **APPENDIX A: Definitions**. SCE used *IEEE Standard 1366* formulas to calculate reliability indices for SAIDI, SAIFI, Momentary Average Interruption Frequency Index (MAIFI), and CAIDI.

The Annual Electric Reliability Report contains outage data (planned and unplanned) for distribution customers both including and excluding MEDs. Within this report, SCE explicitly notes whether data (e.g., MEDs) has been excluded.

In 2016, SCE provided planned outage reliability indices for the Annual Reliability Report; 2016 was the first year where the entire year's planned outage information was available. SCE continued to provide planned outage data, utilizing the same method up to the calendar year of 2021. For the 2022 calendar year reporting, SCE was unable to provide planned outage data indices due to an ongoing IT system enhancement project and retirement of previous systems that were used for data previously. As a result of this, SCE created an interim planned outage indices report that provided conservative estimates for 2020-2022 planned outages. In summary, the annual planned outage indices provided in the 2022 reliability report were as follows:

- 2016-2019: No planned outage indices were included
- 2020-2022: Conservative estimates based on interim reporting were used

The IT enhancement project, related to planned outage reporting, was completed in 2023. For the 2023-2025 calendar year annual report, planned outage indices for 2022-2025 utilized the planned outage indices data from the completed IT enhancement project. SCE now has better insight into planned outages. It now incorporates meter data, enabling a higher degree of accuracy compared to interim or previous reporting methods. In summary, the planned outage indices provided in this 2025 reliability report are as follows:

- 2016-2019: No planned outage indices were included
- 2020-2021: Conservative estimates based on interim reporting were used
- 2022-2025: Planned outage indices use planned outage data from the completed IT enhancement project

Planned outage indices from 2022–2025 are not directly comparable to prior years due to methodological changes.

SECTION 1: System Indices for the Last 10 Years

SECTION 1a: System Indices

This section contains data for the indices SAIDI, SAIFI, MAIFI, and CAIDI for overall System performance, Distribution performance, and Transmission performance from 2016 to 2025 for unplanned outages. Table 3, Table 4, and Table 5 show the indices for all unplanned outages with MED included and excluded.

Distribution system indices reflect outages that occur on systems operating under 50 kV. Transmission system indices reflect outages that occur on systems operating equal to or greater than 50 kV.

Figure 1, Figure 2, Figure 3, and Figure 4 present separate line graphs of the indices, each with a linear trend line spanning from 2016 to 2025, excluding MEDs.

Year	System Indices							
	MED Included				MED Excluded			
	SAIDI	SAIFI	MAIFI	CAIDI	SAIDI	SAIFI	MAIFI	CAIDI
2016	134.48	1.100	1.553	122.26	109.98	0.994	1.403	110.69
2017	139.73	1.192	1.837	117.19	91.72	0.870	1.420	105.40
2018	136.82	0.874	1.434	156.61	71.25	0.716	1.266	99.58
2019	177.97	1.040	1.380	171.17	90.75	0.866	1.228	104.75
2020	201.32	1.057	1.378	190.47	91.40	0.866	1.248	105.51
2021	179.79	1.112	1.569	161.70	103.82	0.960	1.426	108.10
2022	131.13	1.080	1.417	121.45	101.03	0.964	1.232	104.83
2023	115.90	1.036	1.370	111.93	95.86	0.937	1.249	102.31
2024	158.30	0.990	1.166	159.96	100.25	0.901	1.121	111.25
2025	545.01	1.390	1.257	392.10	116.37	0.963	1.068	120.79

Table 3: System Indices for the Last 10 years for Unplanned Outages

SECTION 1ai: Distribution System Indices

Year	Distribution System Indices							
	MED Included				MED Excluded			
	SAIDI	SAIFI	MAIFI	CAIDI	SAIDI	SAIFI	MAIFI	CAIDI
2016	129.32	1.049	1.473	123.24	106.29	0.949	1.334	112.03
2017	128.74	0.985	1.564	130.69	89.99	0.843	1.375	106.71
2018	134.87	0.863	1.392	156.34	70.81	0.710	1.232	99.70
2019	170.30	1.006	1.318	169.33	89.33	0.848	1.184	105.37
2020	198.93	1.045	1.315	190.39	89.42	0.854	1.191	104.69
2021	178.01	1.081	1.512	164.72	102.15	0.931	1.377	109.69
2022	129.98	1.054	1.349	123.30	100.29	0.950	1.198	105.53
2023	113.07	1.010	1.290	111.99	94.57	0.912	1.185	103.67
2024	155.09	0.963	1.094	161.07	98.77	0.878	1.050	112.46
2025	479.26	1.289	1.201	371.91	114.05	0.945	1.033	120.67

Table 4: Distribution System Indices for the Last 10 years for Unplanned Outages

SECTION 1aii: Transmission System Indices

Year	Transmission System Indices							
	MED Included				MED Excluded			
	SAIDI	SAIFI	MAIFI	CAIDI	SAIDI	SAIFI	MAIFI	CAIDI
2016	5.15	0.051	0.080	101.92	3.68	0.045	0.068	82.39
2017	10.99	0.207	0.273	53.01	1.74	0.027	0.045	64.31
2018	1.95	0.011	0.042	177.73	0.44	0.005	0.034	83.54
2019	7.67	0.034	0.062	225.95	1.43	0.019	0.044	76.39
2020	2.39	0.012	0.063	197.46	1.98	0.012	0.057	163.29
2021	1.78	0.031	0.057	57.19	1.67	0.029	0.049	57.42
2022	1.15	0.025	0.067	45.16	0.74	0.013	0.035	55.29
2023	2.83	0.026	0.080	109.27	1.29	0.025	0.064	52.04
2024	3.21	0.027	0.071	120.04	1.48	0.023	0.070	64.84
2025	65.75	0.101	0.055	648.73	2.31	0.018	0.036	127.12

Table 5: Transmission System Indices for the Last 10 years for Unplanned Outages

SECTION 1b: Line Graphs of SAIDI, SAIFI, MAIFI, and CAIDI

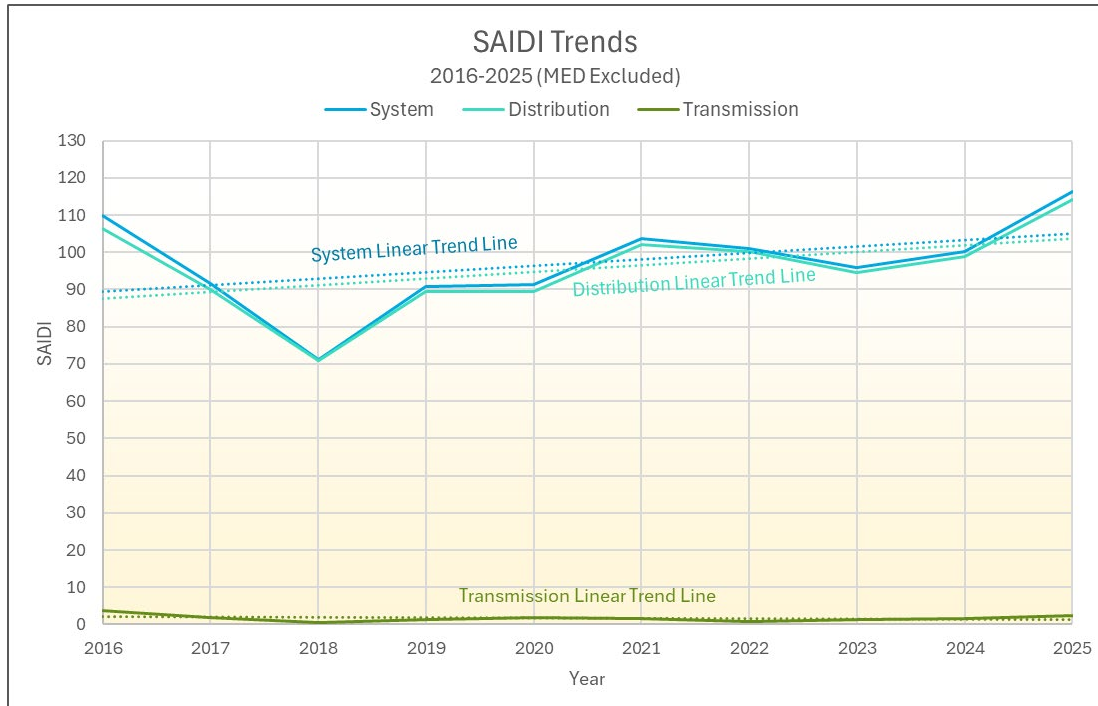


Figure 1: Unplanned SAIDI Line Graph with Linear Trend Line

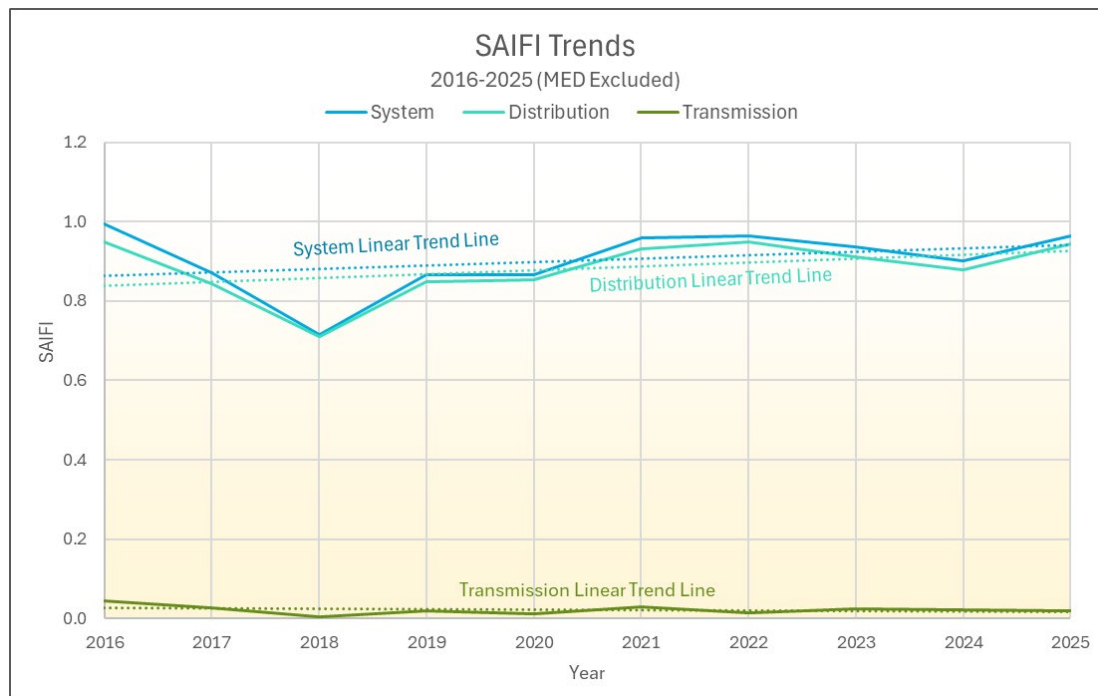


Figure 2: Unplanned SAIFI Line Graph with Linear Trend Line

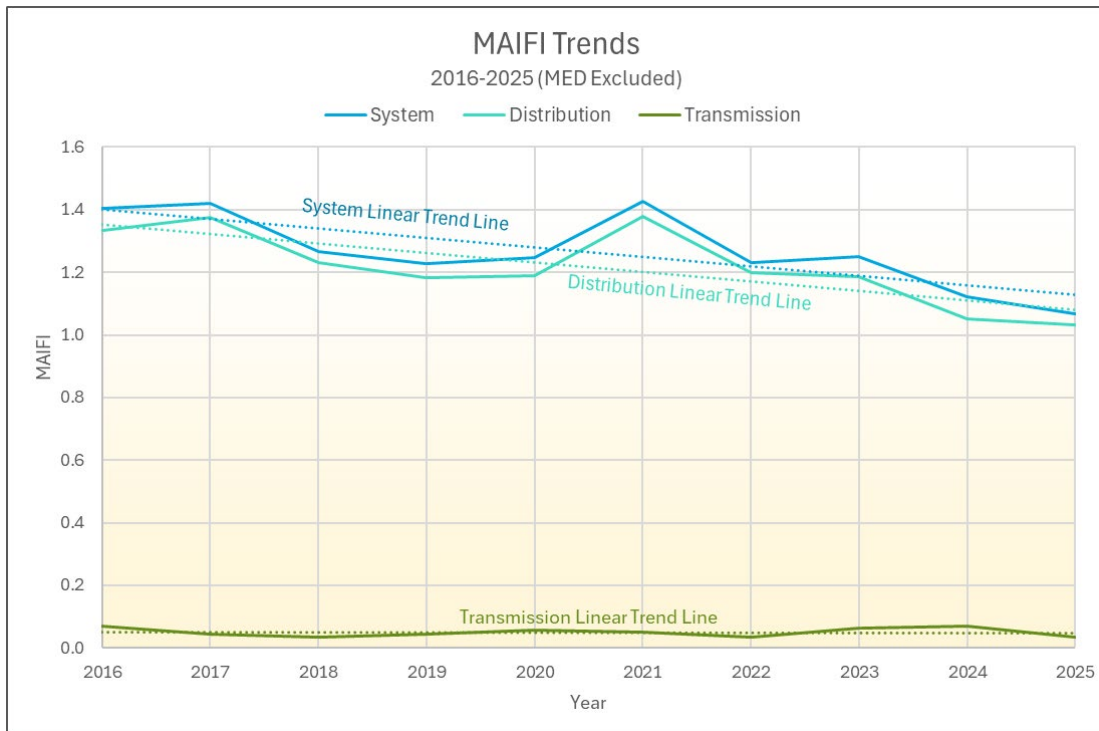


Figure 3: Unplanned MAIFI Line Graph with Linear Trend Line

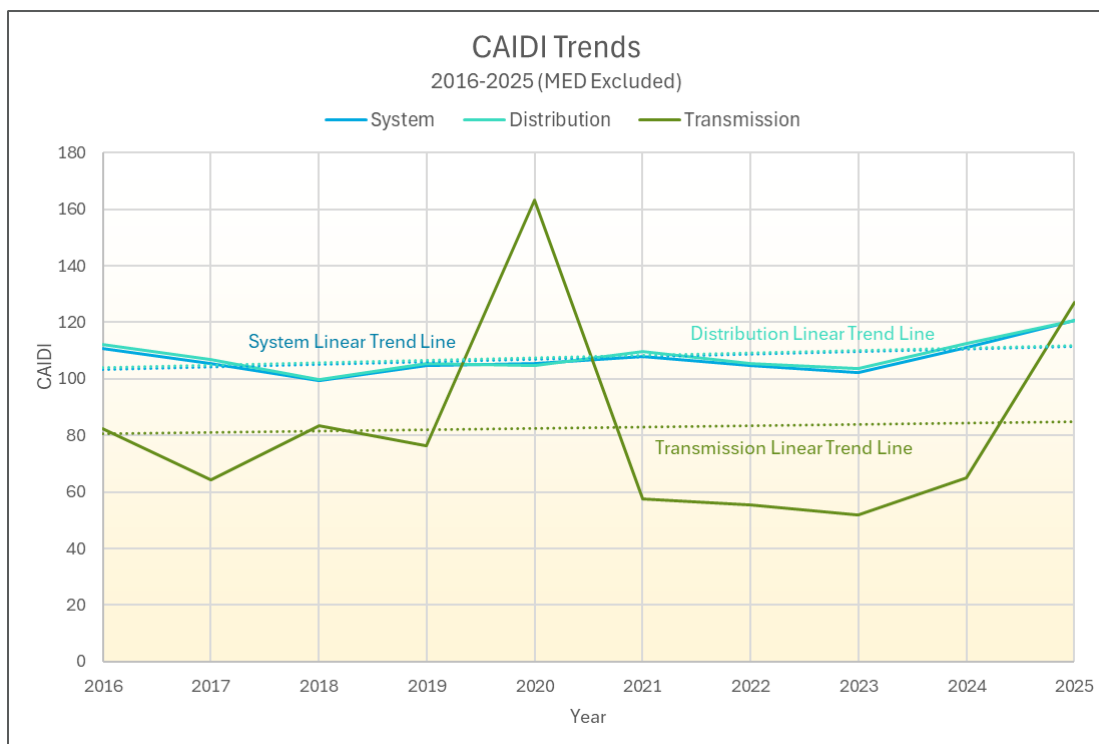


Figure 4: Unplanned CAIDI Line Graph with Linear Trend Line

SECTION 2: District Reliability Indices for the Last 10 Years

SECTION 2a: District Indices

This section contains district indices for SAIDI, SAIFI, MAIFI, and CAIDI from 2016-2025 for unplanned outages. The district indices are denoted with a lower case “d” to discern between system indices and district indices (e.g., dSAIDI, dSAIFI, dMAIFI, and dCAIDI). District reliability indices are calculated using the local district area as the number of total customers served within the respective district. Table 6 shows the indices for all unplanned outages with MEDs included and excluded.

SCE region and districts recently changed from 10 regions and 35 districts to 7 regions and 34 districts. Barstow and Victorville districts were combined into High Desert district. There have been a few minor boundaries changes for the districts, which is why some of the districts’ values differ historically from the previous reports.

The following linear charts in Figure 5 show the past 10 years of district indices from 2016-2025 for all 34 districts. The linear charts represent the unplanned outages with MEDs included and excluded. The charts are listed in alphabetical order by district name.

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
ANTELOPE VALLEY								
2016	107.45	0.869	1.523	123.63	101.01	0.813	1.430	124.17
2017	103.19	0.873	1.830	118.15	83.35	0.814	1.701	102.39
2018	55.57	0.607	1.256	91.48	50.38	0.533	1.096	94.45
2019	194.57	0.665	1.339	292.77	76.25	0.566	1.241	134.69
2020	287.38	1.152	2.401	249.47	154.50	0.996	2.326	155.11
2021	162.17	1.298	1.786	124.91	148.89	1.233	1.780	120.78
2022	182.21	0.972	1.404	187.48	106.07	0.719	1.071	147.61
2023	120.84	0.917	1.340	131.81	87.89	0.761	1.206	115.43
2024	201.57	1.153	1.645	174.76	180.87	1.128	1.635	160.38
2025	385.44	1.234	1.201	312.27	211.56	1.042	1.119	203.05
ARROWHEAD								
2016	659.46	2.848	5.951	231.52	200.72	1.883	4.712	106.59
2017	816.52	3.861	7.057	211.50	218.33	3.058	4.093	71.39
2018	68.60	1.527	2.980	44.92	53.42	0.712	2.919	75.07
2019	3630.64	9.592	9.883	378.50	828.27	5.814	6.160	142.45
2020	443.36	2.384	4.264	185.94	204.90	2.061	3.311	99.40
2021	1565.30	2.875	5.966	544.44	492.17	2.057	4.108	239.24
2022	282.96	1.914	3.736	147.82	231.33	1.370	2.245	168.90
2023	555.51	1.745	9.434	318.34	165.92	1.467	6.148	113.11
2024	1378.09	5.154	2.915	267.41	960.96	4.806	2.915	199.95
2025	7648.50	11.755	2.722	650.64	679.98	4.996	0.617	136.10
BISHOP								
2016	168.59	1.216	2.820	138.64	168.53	1.216	2.711	138.60
2017	190.51	1.934	3.223	98.49	172.14	1.877	3.077	91.72
2018	139.70	0.539	1.957	258.99	136.47	0.499	1.820	273.59
2019	1445.73	2.915	3.217	496.01	276.15	1.394	2.878	198.13
2020	317.99	1.935	1.637	164.37	317.81	1.933	1.619	164.42
2021	385.95	2.471	4.783	156.18	355.41	2.404	4.630	147.81
2022	236.61	1.962	3.632	120.62	235.04	1.936	3.624	121.43
2023	1237.19	3.216	3.593	384.71	785.39	2.938	3.278	267.31
2024	535.52	1.440	1.753	371.81	534.59	1.435	1.753	372.60
2025	1293.44	3.458	0.715	374.08	1060.98	2.565	0.593	413.60
BLYTHE								
2016	396.38	2.707	6.342	146.43	302.98	1.917	4.848	158.02
2017	684.48	2.377	3.585	287.95	683.56	2.372	3.493	288.18
2018	277.72	1.571	2.198	176.83	255.61	1.321	2.168	193.45
2019	379.85	1.692	2.769	224.48	360.00	1.629	2.675	221.03
2020	211.99	1.319	1.937	160.72	174.05	1.191	1.788	146.08
2021	196.18	1.181	3.755	166.16	195.13	1.176	3.656	165.98
2022	577.44	2.830	2.625	204.06	571.43	2.808	2.625	203.48
2023	153.87	1.245	3.204	123.54	123.74	1.074	2.746	115.24
2024	209.27	2.015	1.897	103.87	166.94	1.732	1.618	96.40
2025	289.65	2.537	2.046	114.17	273.19	2.306	1.920	118.47

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
CATALINA								
2016	65.01	3.659	3.168	17.77	65.01	3.659	3.168	17.77
2017	70.67	0.542	2.496	130.36	4.94	0.487	1.324	10.16
2018	141.45	2.440	1.277	57.98	141.45	2.440	1.277	57.98
2019	46.63	1.559	0.428	29.90	45.63	1.555	0.428	29.34
2020	76.34	0.194	0.000	393.06	76.34	0.194	0.000	393.06
2021	62.02	0.471	0.000	131.75	62.02	0.471	0.000	131.75
2022	18.06	0.598	0.357	30.21	18.06	0.598	0.357	30.21
2023	315.66	2.805	0.887	112.52	315.66	2.805	0.887	112.52
2024	164.57	4.058	0.121	40.55	164.57	4.058	0.121	40.55
2025	194.04	0.754	0.018	257.23	28.11	0.604	0.000	46.54
COMPTON								
2016	154.67	1.148	2.633	134.73	132.92	1.041	2.322	127.71
2017	130.73	0.888	2.265	147.29	95.62	0.763	2.038	125.37
2018	93.90	0.873	2.484	107.57	65.21	0.730	2.313	89.28
2019	102.81	0.931	2.128	110.46	69.57	0.761	1.758	91.44
2020	172.34	1.238	2.940	139.23	125.67	1.089	2.801	115.38
2021	113.79	1.279	2.850	89.00	90.10	1.095	2.665	82.30
2022	96.05	0.829	2.006	115.85	81.89	0.761	1.905	107.63
2023	123.61	1.126	1.862	109.74	109.76	1.029	1.727	106.66
2024	91.43	0.984	1.427	92.96	87.94	0.925	1.411	95.02
2025	100.90	0.926	2.261	108.94	84.06	0.726	2.007	115.83
COVINA								
2016	122.00	1.083	1.456	112.66	96.52	0.970	1.277	99.53
2017	122.78	1.006	1.499	122.08	110.47	0.875	1.257	126.25
2018	116.07	0.911	1.536	127.43	79.23	0.749	1.432	105.75
2019	90.18	0.949	1.045	95.07	82.20	0.885	0.969	92.90
2020	151.84	1.420	1.089	106.91	115.41	1.311	1.019	88.05
2021	103.54	1.127	1.509	91.85	95.04	1.072	1.372	88.62
2022	228.99	1.107	1.393	206.82	78.58	0.897	1.099	87.64
2023	99.32	1.256	1.530	79.10	94.67	1.176	1.373	80.53
2024	80.58	0.830	1.037	97.08	68.80	0.788	1.006	87.32
2025	236.32	1.144	1.189	206.65	86.69	0.896	1.028	96.70
FOOTHILL								
2016	142.11	0.973	1.353	146.09	137.41	0.953	1.322	144.19
2017	109.30	1.140	1.386	95.84	85.92	0.904	1.212	95.03
2018	111.89	0.938	1.230	119.24	72.98	0.736	0.996	99.14
2019	271.11	1.045	1.150	259.50	66.66	0.790	1.110	84.35
2020	217.34	1.199	1.657	181.21	82.24	0.911	1.487	90.23
2021	305.31	1.448	1.941	210.79	136.08	1.106	1.682	123.04
2022	105.31	1.087	1.569	96.89	86.25	1.029	1.280	83.83
2023	120.14	0.932	1.187	128.86	91.97	0.801	1.100	114.87
2024	285.99	1.169	1.151	244.54	87.40	1.017	1.130	85.95
2025	1007.43	1.869	1.206	539.12	124.19	1.162	0.867	106.87

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
FULLERTON								
2016	91.66	0.751	1.134	122.10	73.37	0.598	0.944	122.66
2017	81.64	0.637	1.105	128.19	66.42	0.544	0.969	122.05
2018	60.06	0.495	0.989	121.30	53.86	0.429	0.901	125.54
2019	82.09	0.777	1.077	105.62	72.90	0.712	1.007	102.39
2020	82.52	0.648	1.078	127.43	48.75	0.490	0.726	99.51
2021	91.25	0.592	1.122	154.08	79.00	0.553	1.006	142.86
2022	86.52	0.683	0.680	126.67	78.10	0.641	0.641	121.82
2023	74.99	0.587	1.039	127.70	67.97	0.535	0.995	127.09
2024	76.85	0.550	0.692	139.82	67.38	0.543	0.619	124.12
2025	77.27	0.679	0.665	113.75	65.38	0.604	0.604	108.17
HIGH DESERT								
2016	85.67	0.966	1.498	88.67	82.06	0.939	1.435	87.43
2017	114.76	1.092	2.566	105.08	104.88	1.014	2.030	103.48
2018	124.94	0.919	1.438	135.91	99.83	0.862	1.367	115.84
2019	86.33	1.075	2.082	80.33	77.33	0.967	1.732	79.97
2020	58.71	0.966	1.735	60.78	54.57	0.920	1.640	59.30
2021	98.38	1.092	2.733	90.06	91.67	1.015	2.669	90.29
2022	164.28	1.340	2.349	122.63	147.47	1.182	2.166	124.78
2023	81.75	0.791	2.042	103.39	66.04	0.701	1.893	94.15
2024	96.92	1.026	1.919	94.43	94.26	0.897	1.891	105.06
2025	189.42	1.284	2.693	147.48	88.54	1.024	2.538	86.50
HUNTINGTON BEACH								
2016	127.09	1.230	1.216	103.34	107.23	1.154	1.154	92.92
2017	95.91	0.958	1.429	100.09	76.22	0.834	1.166	91.38
2018	87.73	0.765	1.331	114.74	73.73	0.687	1.067	107.39
2019	98.96	0.956	1.151	103.49	80.54	0.828	0.975	97.28
2020	89.68	0.872	1.099	102.82	79.35	0.789	1.048	100.56
2021	89.89	0.994	1.513	90.39	79.59	0.900	1.325	88.41
2022	128.36	1.259	1.411	101.93	122.33	1.194	1.359	102.48
2023	93.09	1.046	1.079	88.98	86.76	0.948	0.920	91.50
2024	87.25	0.842	1.216	103.62	86.62	0.836	1.179	103.60
2025	102.67	1.130	1.290	90.85	95.02	1.029	1.045	92.30
KERNVILLE								
2016	2421.32	3.674	2.928	659.03	909.19	2.839	2.832	320.21
2017	305.53	3.286	4.508	92.98	290.60	3.148	4.210	92.31
2018	184.41	1.141	3.104	161.65	152.82	1.009	3.087	151.39
2019	320.17	1.669	3.964	191.87	317.54	1.663	3.961	190.89
2020	318.40	1.873	2.590	170.01	295.34	1.828	2.583	161.54
2021	1830.32	1.885	2.072	970.80	1060.00	1.550	1.365	683.84
2022	507.42	2.579	4.705	196.75	412.72	2.345	2.664	175.97
2023	269.28	1.245	1.902	216.23	198.30	1.144	1.123	173.39
2024	747.21	2.137	3.877	349.62	672.28	2.003	3.877	335.60
2025	1616.30	4.995	1.558	323.60	1500.20	4.494	1.299	333.80

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
LONG BEACH								
2016	123.01	0.748	1.176	164.42	88.24	0.604	0.966	146.12
2017	72.08	0.646	1.107	111.66	56.27	0.547	0.980	102.89
2018	47.04	0.387	1.202	121.65	39.44	0.351	1.072	112.20
2019	76.69	0.591	0.957	129.80	58.99	0.529	0.807	111.59
2020	60.78	0.665	1.155	91.40	47.01	0.580	1.056	81.05
2021	76.15	0.808	1.248	94.27	66.11	0.734	1.121	90.04
2022	74.53	0.834	1.060	89.39	63.25	0.751	0.957	84.23
2023	62.23	0.665	0.970	93.61	55.25	0.610	0.906	90.57
2024	44.91	0.473	0.703	95.02	43.96	0.465	0.701	94.48
2025	79.03	0.598	1.086	132.24	63.84	0.490	0.997	130.20
MENIFEE								
2016	156.55	1.311	1.454	119.41	138.77	1.190	1.344	116.58
2017	128.28	0.940	1.336	136.42	70.95	0.744	1.225	95.43
2018	173.54	0.890	1.425	195.06	70.65	0.689	1.259	102.51
2019	99.33	0.858	1.036	115.75	76.74	0.749	0.871	102.40
2020	260.93	1.209	1.131	215.73	84.55	0.901	1.019	93.85
2021	171.77	1.080	0.850	158.99	87.92	0.931	0.748	94.46
2022	130.54	1.072	0.923	121.75	123.42	1.021	0.866	120.92
2023	87.37	0.976	0.690	89.51	79.45	0.922	0.645	86.17
2024	157.83	1.183	0.939	133.41	104.46	1.126	0.939	92.76
2025	943.26	1.986	0.932	474.88	118.54	1.125	0.734	105.34
MONROVIA								
2016	110.07	0.863	1.482	127.49	92.75	0.777	1.370	119.30
2017	101.25	0.932	1.682	108.66	92.09	0.891	1.594	103.32
2018	240.94	1.431	1.504	168.39	99.40	1.011	1.355	98.32
2019	80.39	0.748	1.168	107.45	73.33	0.684	1.115	107.27
2020	139.70	0.941	1.589	148.45	81.05	0.739	1.403	109.73
2021	112.51	1.115	1.244	100.94	102.08	1.068	1.147	95.61
2022	254.61	1.267	1.750	201.01	107.60	0.918	1.447	117.20
2023	86.46	1.006	1.141	85.94	78.16	0.935	1.102	83.62
2024	137.25	1.016	0.972	135.13	95.22	0.984	0.962	96.75
2025	3975.33	2.491	1.565	1596.08	144.78	1.397	1.269	103.66
MONTEBELLO								
2016	135.25	1.162	2.207	116.39	109.24	1.050	2.019	103.99
2017	128.07	1.026	2.293	124.80	98.44	0.909	1.977	108.30
2018	159.89	1.067	2.367	149.83	98.87	0.793	1.939	124.73
2019	132.42	1.237	2.115	107.01	111.39	1.074	1.911	103.70
2020	165.54	1.079	1.901	153.36	102.92	0.886	1.707	116.22
2021	129.16	1.074	2.179	120.25	123.09	1.049	2.033	117.34
2022	132.68	1.039	1.781	127.71	99.13	0.894	1.606	110.82
2023	116.12	1.142	1.966	101.68	98.46	0.923	1.709	106.66
2024	86.89	0.828	1.676	104.95	86.27	0.825	1.595	104.61
2025	210.03	1.415	1.950	148.43	102.15	1.026	1.774	99.56

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
ONTARIO								
2016	98.07	0.817	1.143	120.09	79.75	0.703	0.960	113.48
2017	94.38	1.068	1.433	88.39	86.45	0.991	1.298	87.20
2018	69.72	0.644	0.967	108.33	49.79	0.546	0.858	91.23
2019	84.47	0.864	1.153	97.79	71.34	0.785	1.087	90.88
2020	152.37	1.014	1.346	150.32	62.27	0.720	0.989	86.48
2021	102.19	0.941	1.397	108.63	68.09	0.812	1.194	83.82
2022	161.27	1.001	1.558	161.03	74.36	0.787	1.032	94.53
2023	78.80	0.909	1.231	86.73	70.12	0.832	1.179	84.23
2024	77.61	0.690	1.031	112.49	73.39	0.660	1.026	111.24
2025	263.04	0.910	1.209	289.01	63.90	0.612	0.987	104.48
PALM SPRINGS								
2016	107.58	1.066	1.281	100.91	101.36	1.010	1.133	100.35
2017	119.10	1.022	1.220	116.57	116.43	0.998	1.210	116.63
2018	73.94	0.788	1.426	93.79	60.30	0.726	1.208	83.10
2019	133.67	1.231	1.622	108.55	91.53	0.914	1.298	100.17
2020	120.27	0.901	1.216	133.45	93.95	0.783	1.144	120.00
2021	83.56	0.918	1.441	90.98	73.31	0.903	1.423	81.18
2022	84.62	0.826	1.491	102.39	75.94	0.718	1.183	105.71
2023	133.05	0.876	1.546	151.95	69.27	0.696	1.396	99.58
2024	121.97	0.868	0.971	140.47	96.05	0.843	0.944	113.99
2025	204.09	1.182	1.078	172.71	97.57	1.019	0.802	95.78
REDLANDS								
2016	137.74	1.028	1.613	134.05	119.46	0.933	1.480	128.10
2017	143.70	0.989	1.596	145.35	114.31	0.843	1.408	135.56
2018	94.07	1.007	1.342	93.38	76.14	0.874	1.185	87.14
2019	217.35	1.280	1.370	169.80	106.37	0.975	1.206	109.12
2020	572.85	1.746	1.405	328.05	192.16	1.216	1.257	158.04
2021	362.46	2.026	1.850	178.93	215.43	1.695	1.724	127.08
2022	190.67	1.411	1.522	135.16	152.16	1.261	1.336	120.70
2023	186.67	1.576	1.841	118.42	134.37	1.493	1.776	90.00
2024	249.12	1.446	1.433	172.26	180.51	1.342	1.380	134.49
2025	1004.18	2.110	1.046	475.81	138.05	1.166	0.880	118.39
RIDGECREST								
2016	253.60	1.046	1.273	242.48	248.80	0.939	1.150	264.97
2017	162.83	1.080	3.467	150.79	152.12	1.057	3.395	143.89
2018	254.36	1.097	1.231	231.80	99.58	0.730	1.229	136.45
2019	297.40	2.080	4.850	142.97	293.87	1.796	4.132	163.66
2020	117.26	1.005	1.590	116.63	111.61	0.864	1.458	129.22
2021	162.96	1.224	3.336	133.11	125.91	0.990	3.106	127.19
2022	264.44	2.231	4.248	118.54	215.79	1.423	2.578	151.67
2023	178.30	1.125	3.150	158.44	125.51	1.031	2.821	121.77
2024	174.69	1.255	4.161	139.21	172.55	1.249	4.109	138.19
2025	158.18	1.441	3.708	109.79	112.75	0.700	3.281	161.03

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
SADDLEBACK								
2016	71.12	0.693	0.805	102.65	67.59	0.649	0.761	104.07
2017	68.33	0.602	0.723	113.51	51.72	0.508	0.574	101.85
2018	46.24	0.380	0.418	121.82	36.17	0.316	0.368	114.42
2019	133.13	0.667	0.388	199.65	42.90	0.509	0.337	84.32
2020	102.85	0.591	0.244	174.03	64.78	0.478	0.226	135.40
2021	68.74	0.594	0.799	115.64	53.60	0.515	0.796	103.99
2022	59.12	0.608	0.517	97.27	57.67	0.571	0.463	100.93
2023	68.89	0.644	0.384	107.05	66.23	0.610	0.340	108.53
2024	64.32	0.609	0.396	105.63	57.12	0.588	0.396	97.13
2025	116.17	0.846	0.526	137.27	72.25	0.616	0.447	117.22
SANTA ANA								
2016	93.76	0.986	1.206	95.11	84.17	0.910	1.127	92.45
2017	89.30	0.740	1.360	120.74	74.99	0.641	1.222	117.00
2018	130.80	0.834	1.479	156.81	57.88	0.547	1.232	105.80
2019	63.70	0.614	0.881	103.79	59.79	0.565	0.838	105.74
2020	91.69	0.756	1.255	121.30	62.19	0.601	0.931	103.54
2021	96.83	0.731	1.070	132.41	67.31	0.583	0.868	115.45
2022	69.94	0.745	0.900	93.93	60.35	0.700	0.821	86.16
2023	84.81	0.611	1.061	138.82	74.96	0.565	1.014	132.72
2024	76.65	0.531	0.760	144.37	57.38	0.496	0.728	115.60
2025	134.36	0.727	0.771	184.91	63.51	0.549	0.515	115.73
SANTA BARBARA								
2016	156.66	1.411	1.464	111.03	130.01	1.269	1.249	102.44
2017	408.43	9.213	13.591	44.33	152.42	1.619	1.206	94.17
2018	172.90	1.022	1.201	169.20	85.57	0.908	1.000	94.28
2019	201.25	1.502	1.750	134.00	179.19	1.389	1.562	129.02
2020	141.07	1.310	1.153	107.72	118.87	1.104	1.125	107.69
2021	225.17	1.503	0.975	149.80	200.20	1.302	0.796	153.77
2022	141.76	1.362	1.949	104.07	139.57	1.343	1.890	103.94
2023	248.04	2.163	1.836	114.65	229.78	1.959	1.720	117.30
2024	169.37	1.677	1.982	101.00	141.67	1.480	1.357	95.74
2025	291.14	1.776	1.260	163.95	236.55	1.732	1.226	136.60
SANTA MONICA								
2016	91.08	0.948	1.210	96.13	89.11	0.933	1.131	95.49
2017	71.89	0.712	1.168	101.02	66.14	0.678	1.108	97.49
2018	80.24	1.045	1.352	76.79	60.40	0.716	1.320	84.33
2019	104.74	0.896	1.424	116.87	100.35	0.861	1.373	116.49
2020	86.09	1.062	1.241	81.10	76.16	0.978	1.178	77.86
2021	64.09	0.635	1.120	100.94	61.66	0.612	1.039	100.73
2022	152.72	1.768	1.591	86.37	133.08	1.486	1.532	89.57
2023	107.48	0.978	1.150	109.95	74.82	0.807	1.071	92.66
2024	92.65	0.834	0.894	111.13	91.84	0.791	0.891	116.12
2025	156.62	1.382	1.195	113.35	133.46	0.881	1.004	151.49

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
SHAVER LAKE								
2016	1062.01	4.993	4.157	212.70	774.00	2.795	2.165	276.87
2017	4273.52	7.947	5.220	537.73	676.22	6.039	5.197	111.97
2018	203.43	2.484	6.362	81.89	203.43	2.484	6.362	81.89
2019	1559.97	5.579	7.850	279.61	1504.82	5.206	5.339	289.07
2020	33648.98	6.479	3.743	5193.35	647.38	5.230	3.743	123.79
2021	295.79	2.188	3.008	135.18	288.24	2.170	3.007	132.81
2022	934.39	2.475	1.100	377.55	927.45	2.217	0.849	418.32
2023	423.49	2.259	0.401	187.48	298.08	2.205	0.401	135.17
2024	391.22	3.433	0.158	113.95	391.22	3.433	0.158	113.95
2025	661.46	2.395	0.649	276.16	595.48	2.177	0.649	273.55
SOUTH BAY								
2016	183.90	1.884	2.020	97.60	150.90	1.752	1.818	86.12
2017	99.19	0.931	1.460	106.53	87.35	0.818	1.328	106.76
2018	90.63	1.090	1.771	83.13	82.27	1.007	1.524	81.67
2019	79.31	1.010	1.398	78.54	71.49	0.950	1.313	75.27
2020	109.92	1.016	1.567	108.19	83.82	0.918	1.526	91.27
2021	86.12	0.990	1.832	87.01	78.13	0.919	1.721	85.00
2022	126.49	1.310	1.983	96.55	118.61	1.222	1.864	97.10
2023	108.28	1.240	1.762	87.34	97.86	1.177	1.639	83.15
2024	105.39	0.933	1.511	112.95	104.20	0.927	1.488	112.36
2025	143.44	1.053	1.465	136.18	119.19	0.870	1.321	136.98
TEHACHAPI								
2016	99.05	1.136	2.363	87.16	77.96	1.040	1.940	74.95
2017	86.51	1.048	3.149	82.57	77.93	0.890	2.969	87.57
2018	56.34	0.675	2.288	83.51	55.31	0.657	2.158	84.18
2019	2985.35	4.636	2.236	643.90	468.81	2.744	1.841	170.87
2020	1276.04	2.104	3.122	606.54	204.23	1.126	2.982	181.40
2021	462.48	1.135	0.707	407.51	158.64	0.943	0.673	168.17
2022	267.04	1.882	2.975	141.92	88.79	0.804	1.580	110.38
2023	291.27	2.048	1.787	142.23	257.09	1.994	1.351	128.95
2024	353.47	0.903	5.354	391.63	80.16	0.740	5.310	108.30
2025	335.88	1.957	3.135	171.63	180.71	1.661	3.047	108.79
THOUSAND OAKS								
2016	139.46	1.277	2.560	109.20	123.96	1.198	2.364	103.49
2017	145.73	1.348	3.201	108.07	103.86	1.031	2.869	100.71
2018	1161.53	1.432	1.624	810.94	104.14	0.921	1.343	113.03
2019	436.40	1.602	1.109	272.33	109.52	1.120	1.059	97.80
2020	487.51	1.636	0.993	298.08	132.66	1.084	0.915	122.34
2021	895.13	2.049	1.360	436.95	141.31	1.299	1.234	108.80
2022	145.11	1.377	1.056	105.39	139.15	1.294	0.958	107.57
2023	212.31	1.682	1.182	126.26	166.87	1.382	1.083	120.70
2024	736.47	1.616	1.039	455.79	115.18	1.181	1.037	97.49
2025	2866.28	3.073	1.141	932.87	209.72	1.737	0.765	120.75

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
TULARE								
2016	108.44	1.091	1.105	99.37	101.82	1.040	1.082	97.89
2017	191.66	1.343	1.198	142.71	105.72	1.282	1.188	82.46
2018	56.23	0.685	1.077	82.15	51.29	0.652	1.017	78.64
2019	72.67	0.745	1.075	97.51	69.70	0.716	1.035	97.36
2020	186.91	0.817	0.852	228.79	73.71	0.739	0.832	99.75
2021	105.34	0.841	1.117	125.22	93.71	0.810	1.089	115.64
2022	87.95	0.612	1.109	143.70	77.90	0.571	1.049	136.41
2023	119.03	0.840	1.101	141.76	104.92	0.750	0.989	139.95
2024	84.73	0.842	0.929	100.64	82.14	0.829	0.919	99.10
2025	115.54	0.807	1.089	143.25	109.74	0.740	1.056	148.29
VALENCIA								
2016	110.59	1.007	1.607	109.81	102.34	0.880	1.563	116.35
2017	145.56	1.194	1.665	121.89	85.20	0.750	1.347	113.66
2018	101.39	1.123	1.467	90.28	88.02	1.003	1.407	87.77
2019	546.80	1.376	1.098	397.29	106.51	1.004	1.050	106.06
2020	562.00	1.555	1.204	361.50	105.18	1.090	1.182	96.50
2021	439.51	1.286	1.499	341.82	112.22	0.882	1.455	127.24
2022	114.66	1.293	0.972	88.71	113.94	1.289	0.972	88.42
2023	133.06	1.116	0.734	119.24	120.79	1.034	0.729	116.86
2024	235.46	0.889	1.420	264.85	87.27	0.812	1.415	107.50
2025	596.36	1.395	0.812	427.51	108.10	1.072	0.663	100.80
VENTURA								
2016	150.92	1.239	1.666	121.81	107.97	1.025	1.540	105.32
2017	520.83	3.122	2.284	166.82	114.63	1.240	1.533	92.48
2018	135.91	1.443	1.921	94.17	100.26	1.182	1.675	84.80
2019	351.85	1.661	2.621	211.84	133.51	1.364	2.419	97.89
2020	189.82	0.964	1.191	196.87	69.61	0.760	1.079	91.60
2021	382.26	2.015	2.099	189.75	124.93	1.578	1.694	79.20
2022	115.63	1.569	1.405	73.70	110.17	1.511	1.391	72.92
2023	120.30	1.580	2.096	76.15	111.90	1.473	1.990	75.97
2024	336.44	1.923	1.484	174.95	151.77	1.560	1.218	97.28
2025	646.79	2.320	1.741	278.84	147.52	1.545	1.466	95.46
WHITTIER								
2016	146.72	0.969	1.505	151.37	97.38	0.753	1.379	129.33
2017	145.05	0.906	1.807	160.17	79.97	0.754	1.589	106.07
2018	96.46	0.751	1.378	128.40	82.49	0.656	1.258	125.67
2019	79.32	0.725	1.316	109.42	65.91	0.604	1.102	109.17
2020	121.24	0.877	1.339	138.20	87.22	0.752	1.214	115.93
2021	80.90	0.745	1.545	108.62	69.70	0.666	1.306	104.62
2022	79.33	0.786	1.462	100.96	70.30	0.733	1.309	95.90
2023	67.76	0.709	1.145	95.52	57.79	0.645	0.982	89.63
2024	264.33	1.683	1.244	157.03	75.03	0.852	1.079	88.03
2025	74.58	0.631	1.080	118.16	58.31	0.461	0.921	126.59

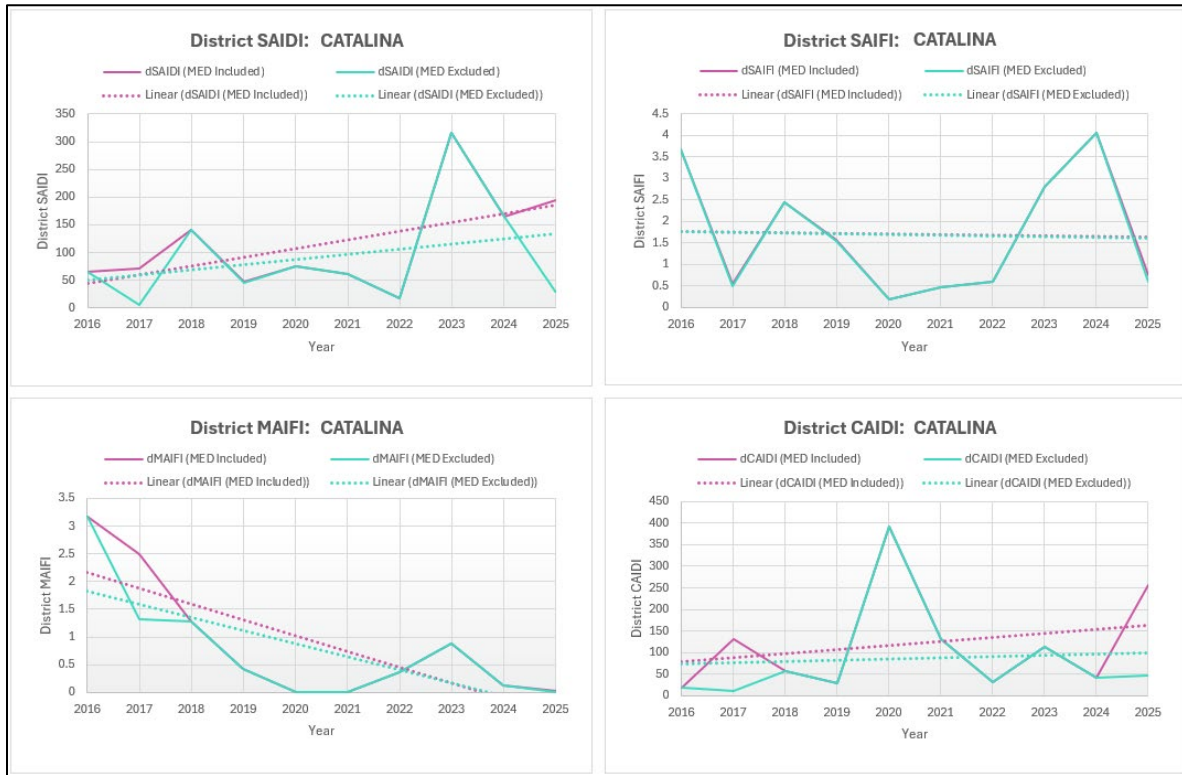
District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
WILDOMAR								
2016	84.26	0.866	0.943	97.28	79.45	0.839	0.853	94.67
2017	92.90	0.830	0.984	111.87	58.76	0.607	0.902	96.76
2018	61.41	0.756	0.860	81.20	52.27	0.630	0.773	82.93
2019	94.66	0.769	0.727	123.09	53.32	0.611	0.713	87.32
2020	99.63	0.774	0.947	128.66	56.49	0.642	0.946	87.99
2021	85.30	0.761	0.649	112.14	75.53	0.681	0.571	110.97
2022	85.75	0.844	0.448	101.58	80.30	0.808	0.413	99.33
2023	81.49	0.686	0.418	118.74	74.62	0.653	0.341	114.22
2024	141.24	0.796	0.408	177.47	82.85	0.739	0.408	112.08
2025	558.86	1.160	0.427	481.85	69.23	0.657	0.400	105.46
YUCCA VALLEY								
2016	463.68	3.393	3.875	136.66	440.06	3.257	3.106	135.13
2017	300.35	1.957	1.602	153.46	270.13	1.729	1.509	156.26
2018	353.88	1.937	2.748	182.65	206.62	1.488	1.833	138.84
2019	452.18	2.348	1.931	192.55	401.95	2.074	1.728	193.81
2020	237.83	2.264	2.414	105.03	211.45	2.087	2.363	101.31
2021	384.44	2.288	2.225	168.03	352.12	2.004	2.163	175.69
2022	232.30	2.081	3.615	111.62	211.52	1.865	1.700	113.43
2023	260.18	2.076	4.648	125.31	207.41	1.854	4.388	111.85
2024	179.43	1.334	1.925	134.47	175.52	1.307	1.925	134.33
2025	756.72	5.471	1.328	138.31	241.29	2.414	1.008	99.96

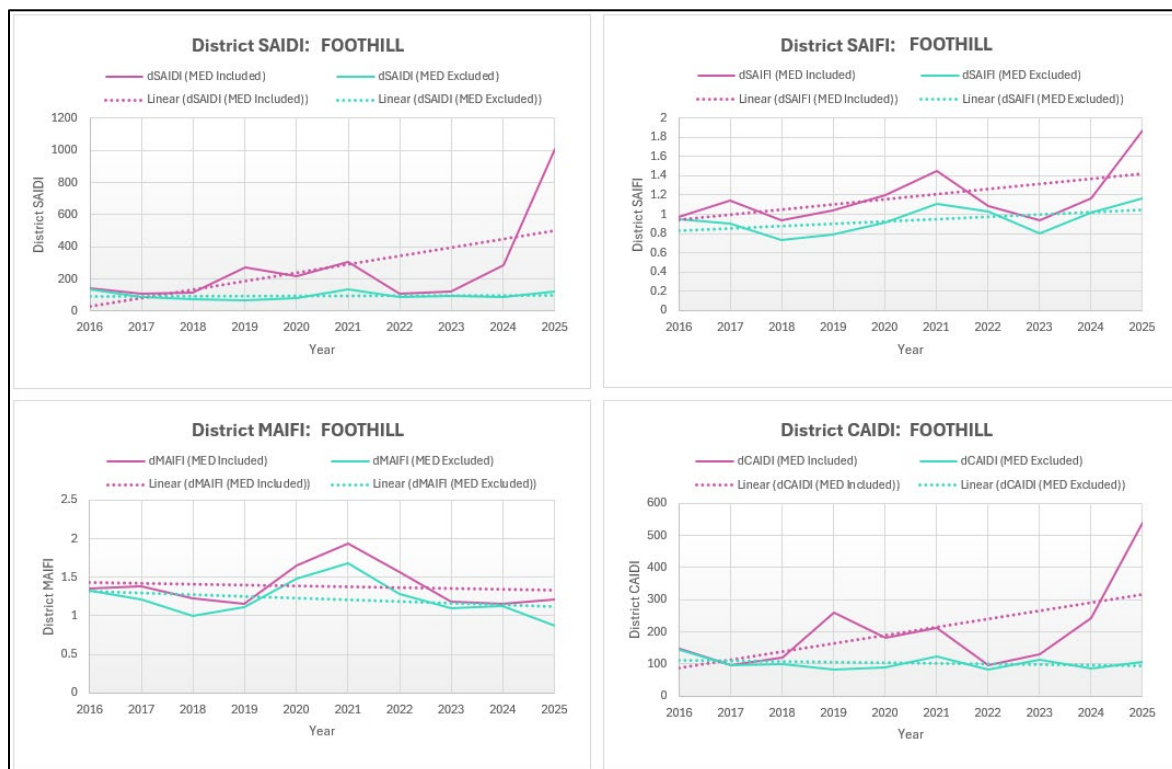
Table 6: District Indices from 2016-2025 for Unplanned Outages

SECTION 2b: District Line Graphs of SAIDI, SAIFI, MAIFI, and CAIDI

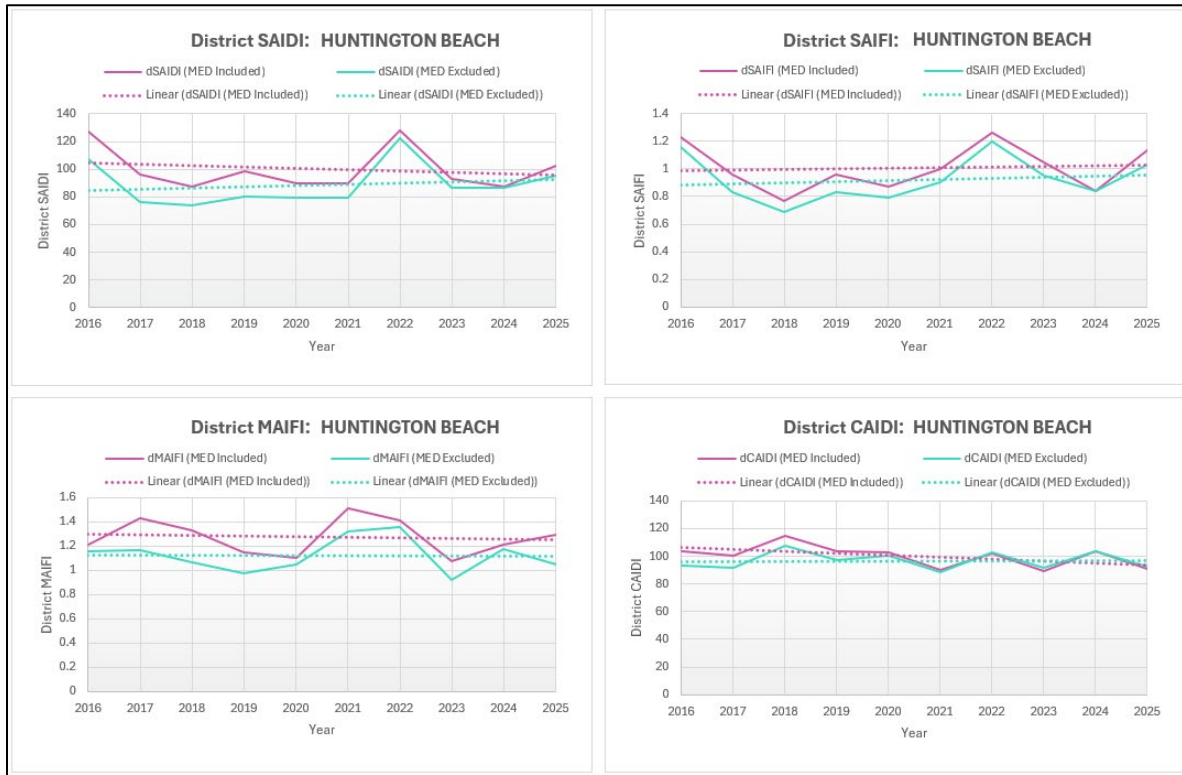




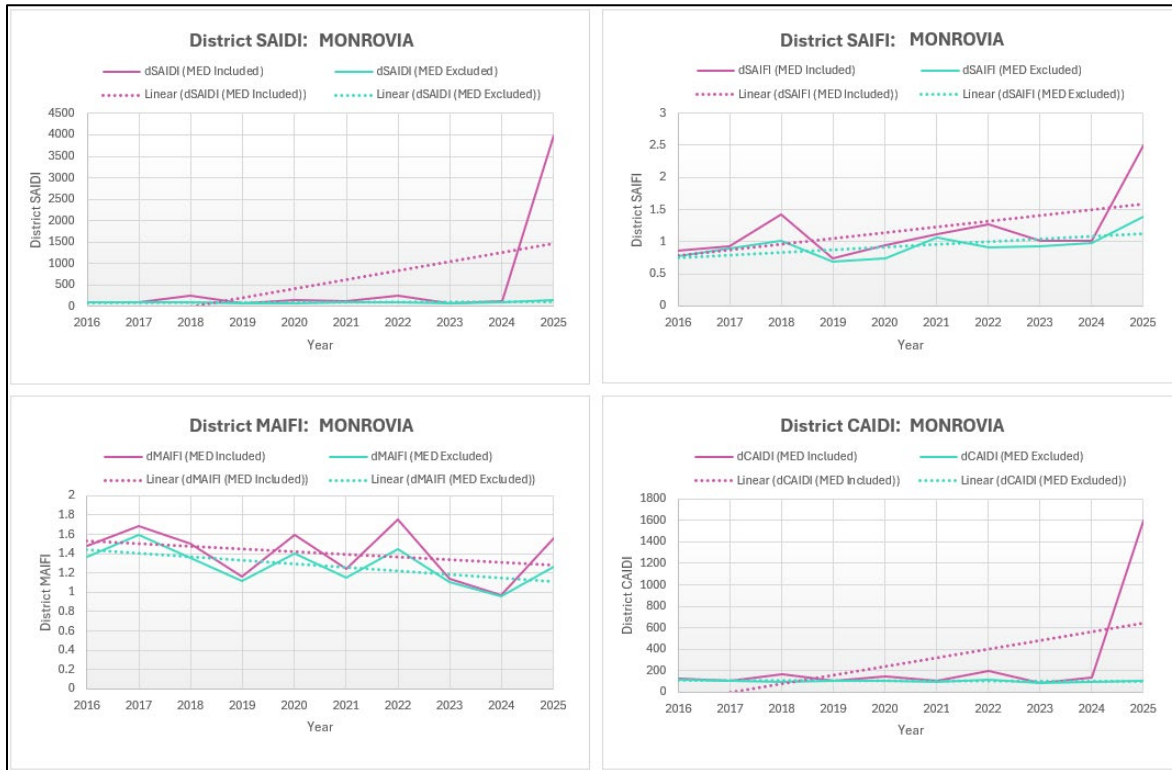


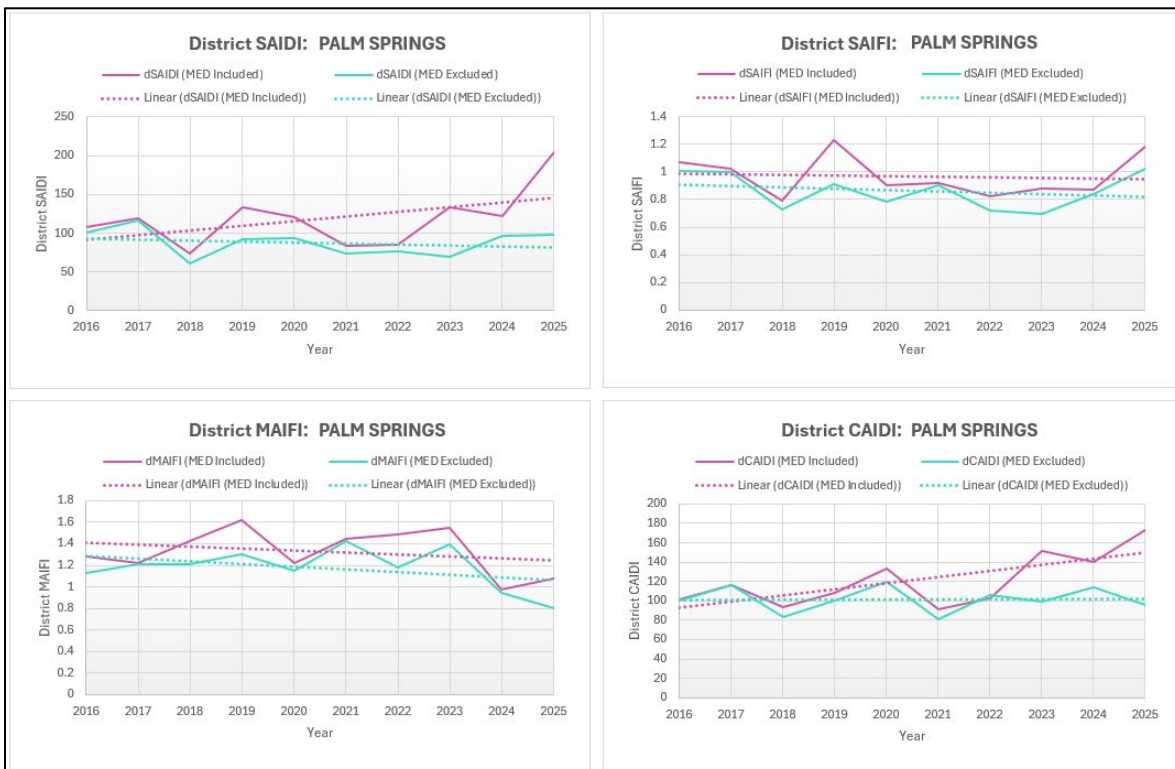
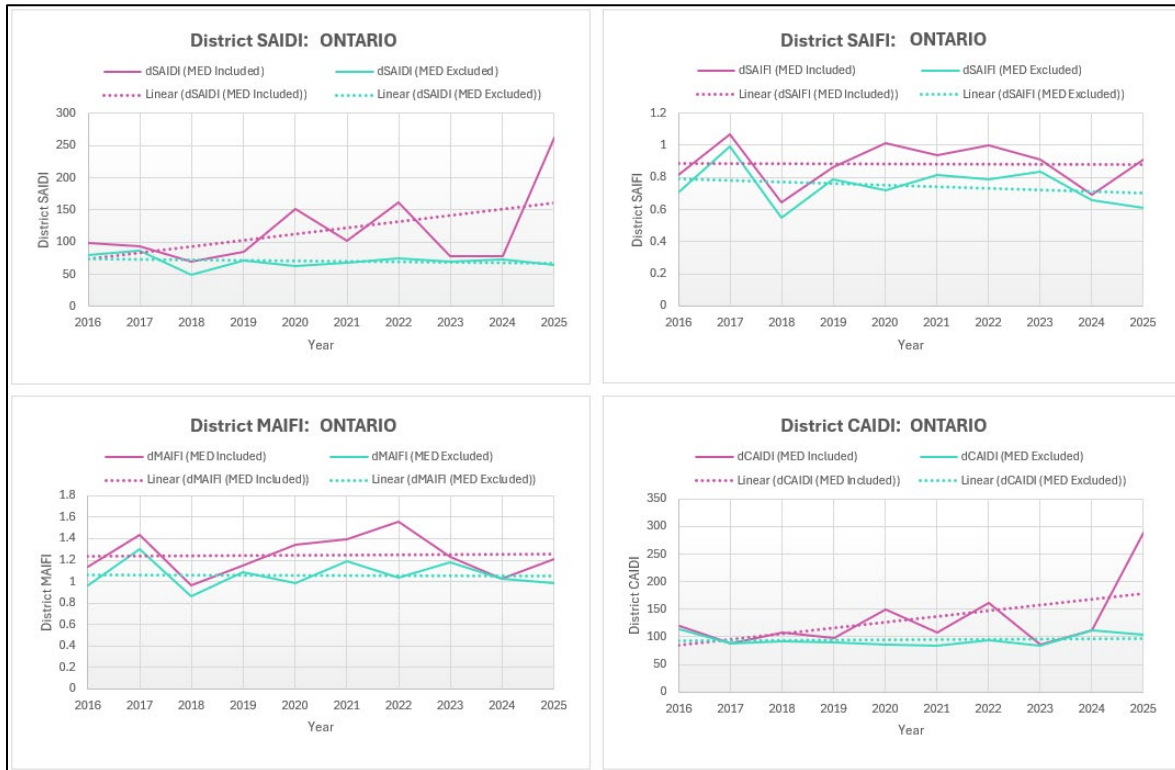




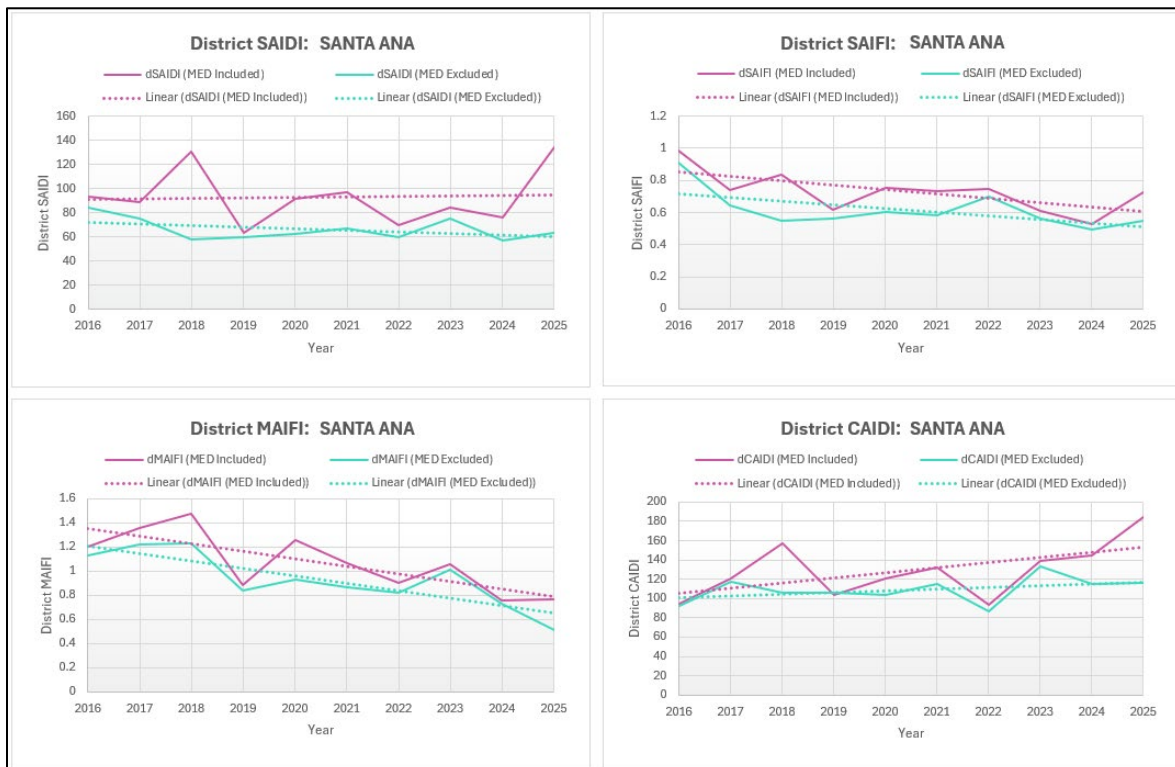






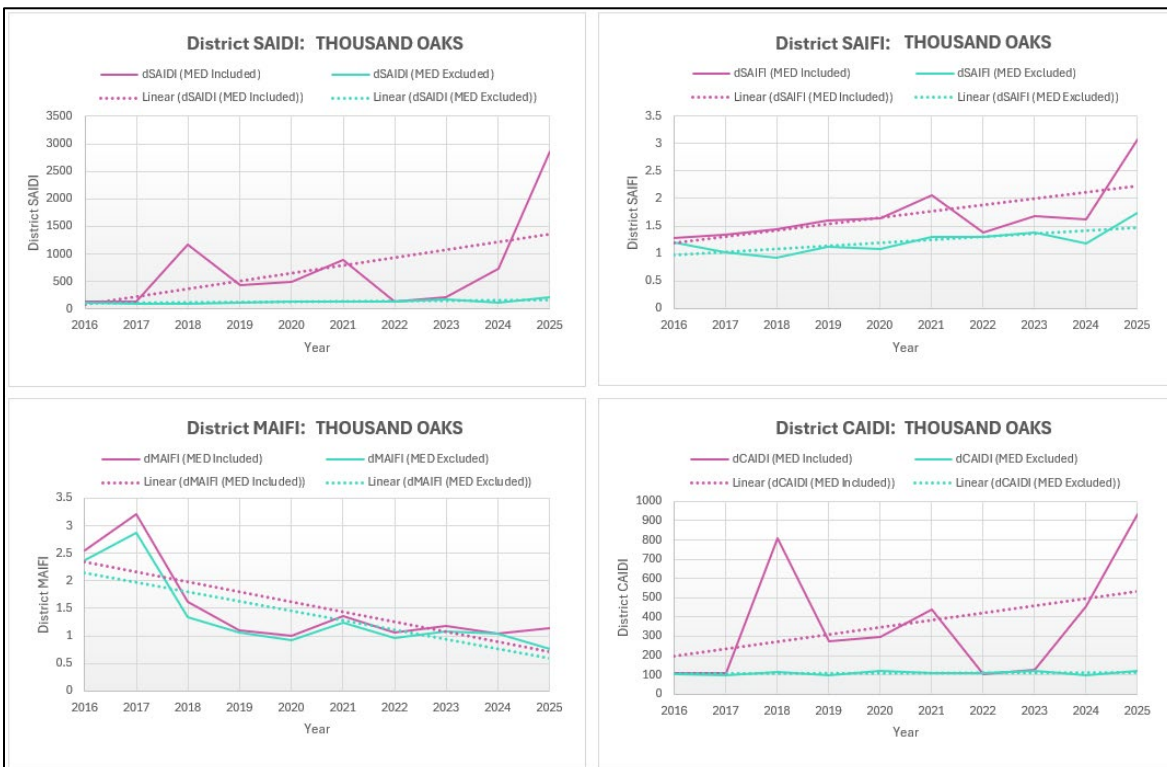
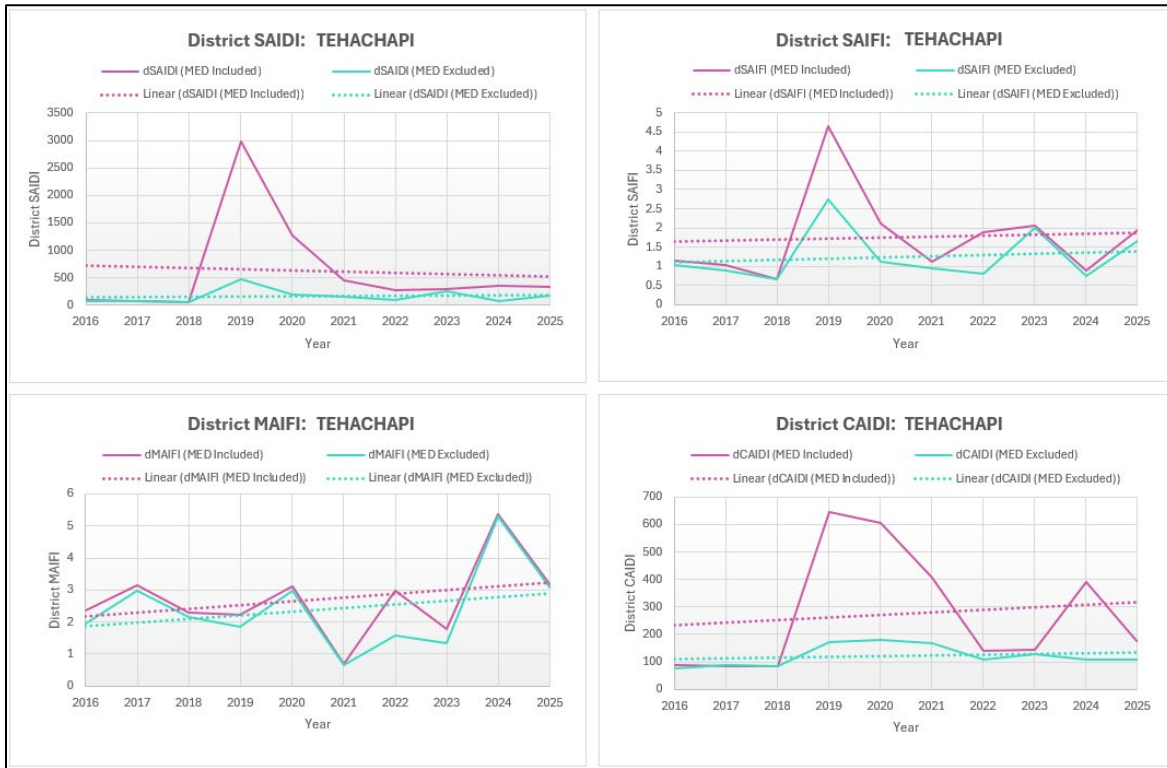
















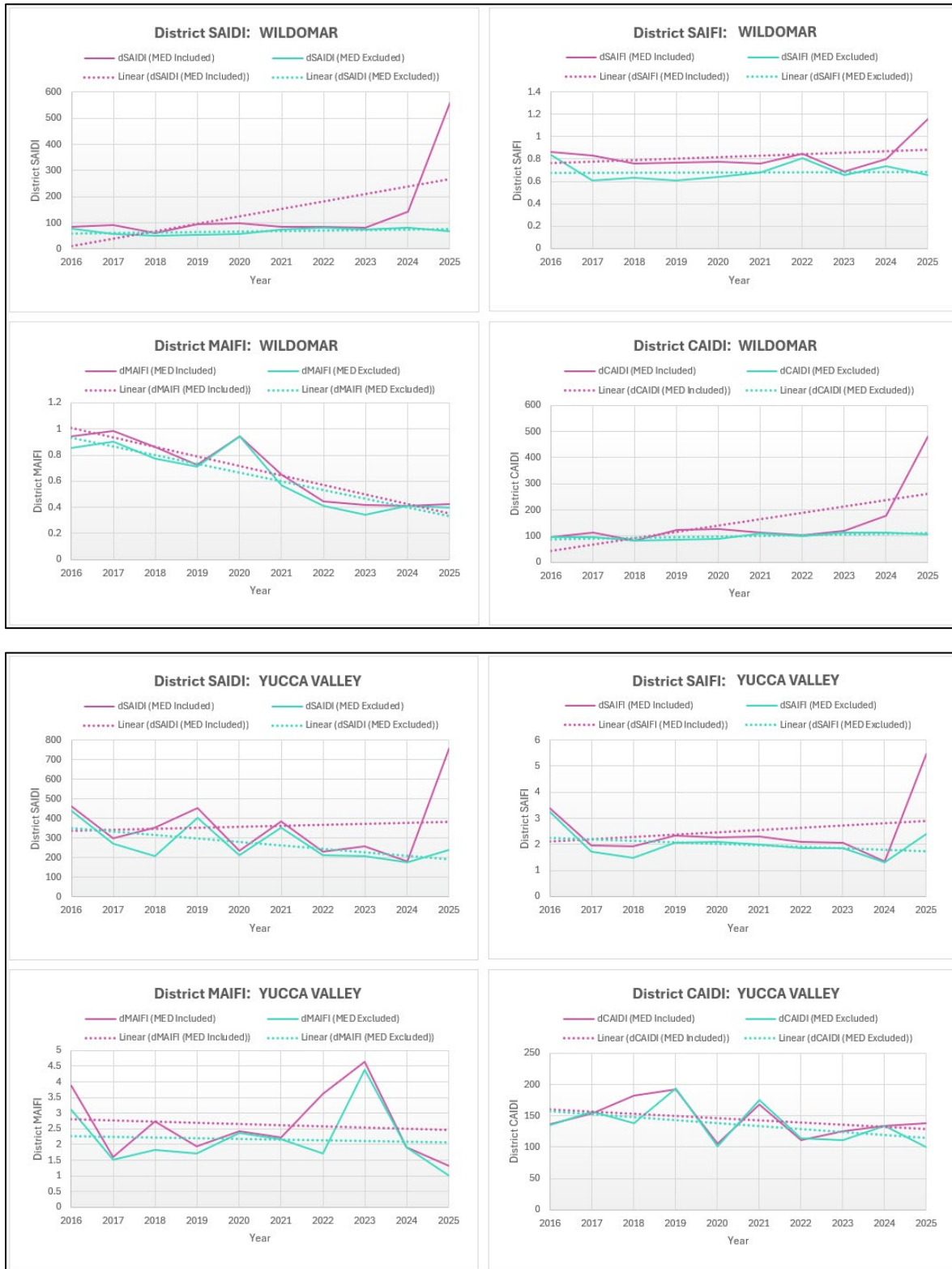


Figure 5: District Indices for Unplanned Outages

SECTION 3: System and District Indices Based on IEEE 1366 for the Last 10 Years for Planned and Unplanned Outages

This section presents the SAIDI, SAIFI, MAIFI, and CAIDI indices, reflecting both overall System performance and District performance from 2016 to 2025. These indices incorporate data from both unplanned and planned outages.

No planned outage indices were included from 2016-2019 due to retirement of the previous reporting systems. For 2020-2021*, planned outage indices reflect a previous interim planned outage report that provided conservative indices estimate. For 2022-2025**, planned outage indices reflect the indices from the recently completed IT system project. See **BACKGROUND: Reliability Report History** for further explanation.

Table 7 shows the System indices for all unplanned and planned outages with both MEDs included and excluded.

Year	System Indices							
	MED Included				MED Excluded			
	SAIDI	SAIFI	MAIFI	CAIDI	SAIDI	SAIFI	MAIFI	CAIDI
2016	134.48	1.100	1.553	122.26	109.98	0.994	1.403	110.69
2017	139.73	1.192	1.837	117.19	91.72	0.870	1.420	105.40
2018	136.82	0.874	1.434	156.61	71.25	0.716	1.266	99.58
2019	177.97	1.040	1.380	171.17	90.75	0.866	1.228	104.75
2020*	328.52	1.386	1.383	237.07	218.59	1.195	1.254	182.93
2021*	395.89	1.549	1.576	255.65	319.91	1.397	1.434	228.99
2022**	236.59	1.403	1.470	168.61	205.83	1.285	1.283	160.23
2023**	226.11	1.370	1.418	165.05	205.60	1.269	1.296	161.96
2024**	245.01	1.341	1.230	182.71	186.33	1.250	1.185	149.03
2025**	628.77	1.649	1.307	381.22	198.18	1.216	1.117	162.99

Table 7: System Indices for the Last 10 years for Unplanned and Planned Outages

District indices of dSAIDI, dSAIFI, dMAIFI, and dCAIDI from 2016-2025 for planned and unplanned outages can be found in Table 8 with MEDs included and excluded.

SCE region and districts recently changed from 10 regions and 35 districts to 7 regions and 34 districts. Barstow and Victorville districts were combined into High Desert district. There have been a few minor boundaries changes for the districts, which is why some of the districts' values differ historically from the previous reports.

* Planned outage indices are reflecting a previous interim planned outage report

** Planned outage indices are reflecting the recently completed IT enhancement

The following linear charts in Figure 6 show the past 10 years of district indices from 2016-2025 for all 34 districts. The linear charts represent the planned and unplanned outages with MEDs included and excluded. The charts are listed in alphabetical order by district name.

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
ANTELOPE VALLEY								
2016	107.45	0.869	1.523	123.63	101.01	0.813	1.430	124.17
2017	103.19	0.873	1.830	118.15	83.35	0.814	1.701	102.39
2018	55.57	0.607	1.256	91.48	50.38	0.533	1.096	94.45
2019	194.57	0.665	1.339	292.77	76.25	0.566	1.241	134.69
2020	587.14	1.657	2.412	354.25	454.26	1.502	2.338	302.53
2021	379.49	1.849	1.794	205.24	366.21	1.783	1.788	205.34
2022	272.04	1.248	1.428	218.03	195.30	0.992	1.095	196.93
2023	196.26	1.188	1.353	165.15	163.31	1.033	1.219	158.09
2024	262.12	1.458	1.665	179.74	241.37	1.432	1.655	168.52
2025	459.41	1.489	1.235	308.62	285.30	1.295	1.153	220.30
ARROWHEAD								
2016	659.46	2.848	5.951	231.52	200.72	1.883	4.712	106.59
2017	816.52	3.861	7.057	211.50	218.33	3.058	4.093	71.39
2018	68.60	1.527	2.980	44.92	53.42	0.712	2.919	75.07
2019	3630.64	9.592	9.883	378.50	828.27	5.814	6.160	142.45
2020	1362.63	4.172	4.272	326.59	1124.16	3.849	3.320	292.05
2021	4358.61	7.666	6.007	568.56	3285.48	6.848	4.149	479.76
2022	1217.26	4.242	3.891	286.96	1156.73	3.683	2.397	314.06
2023	1350.56	3.233	9.639	417.70	960.97	2.955	6.353	325.18
2024	2162.89	6.969	2.975	310.38	1741.30	6.607	2.975	263.57
2025	8192.82	12.996	2.919	630.43	1223.75	6.235	0.768	196.26
BISHOP								
2016	168.59	1.216	2.820	138.64	168.53	1.216	2.711	138.60
2017	190.51	1.934	3.223	98.49	172.14	1.877	3.077	91.72
2018	139.70	0.539	1.957	258.99	136.47	0.499	1.820	273.59
2019	1445.73	2.915	3.217	496.01	276.15	1.394	2.878	198.13
2020	540.22	2.440	1.638	221.39	540.04	2.438	1.620	221.47
2021	538.72	2.935	4.783	183.53	508.18	2.869	4.630	177.15
2022	476.35	2.631	3.804	181.07	470.87	2.595	3.794	181.42
2023	1440.87	3.881	3.854	371.24	989.01	3.603	3.538	274.48
2024	707.52	2.069	2.104	341.88	703.38	2.050	2.099	343.11
2025	1707.23	4.521	1.136	377.60	1450.74	3.537	0.986	410.16
BLYTHE								
2016	396.38	2.707	6.342	146.43	302.98	1.917	4.848	158.02
2017	684.48	2.377	3.585	287.95	683.56	2.372	3.493	288.18
2018	277.72	1.571	2.198	176.83	255.61	1.321	2.168	193.45
2019	379.85	1.692	2.769	224.48	360.00	1.629	2.675	221.03
2020	482.29	2.229	1.937	216.42	444.36	2.101	1.788	211.50
2021	774.49	2.381	3.820	325.28	773.44	2.376	3.720	325.53
2022	753.19	3.758	2.772	200.42	747.18	3.737	2.772	199.97
2023	459.04	2.268	3.350	202.39	400.67	2.013	2.890	199.01
2024	406.57	2.510	1.938	161.96	364.22	2.227	1.659	163.53
2025	552.81	3.213	2.080	172.05	535.86	2.980	1.954	179.82

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
CATALINA								
2016	65.01	3.659	3.168	17.77	65.01	3.659	3.168	17.77
2017	70.67	0.542	2.496	130.36	4.94	0.487	1.324	10.16
2018	141.45	2.440	1.277	57.98	141.45	2.440	1.277	57.98
2019	46.63	1.559	0.428	29.90	45.63	1.555	0.428	29.34
2020	156.54	0.316	0.003	495.54	156.54	0.316	0.003	495.54
2021	226.32	0.848	0.000	266.86	226.32	0.848	0.000	266.86
2022	18.06	0.598	0.357	30.21	18.06	0.598	0.357	30.21
2023	315.66	2.805	0.887	112.52	315.66	2.805	0.887	112.52
2024	191.38	4.209	0.121	45.46	191.38	4.209	0.121	45.46
2025	302.55	1.019	0.018	296.81	136.63	0.869	0.000	157.21
COMPTON								
2016	154.67	1.148	2.633	134.73	132.92	1.041	2.322	127.71
2017	130.73	0.888	2.265	147.29	95.62	0.763	2.038	125.37
2018	93.90	0.873	2.484	107.57	65.21	0.730	2.313	89.28
2019	102.81	0.931	2.128	110.46	69.57	0.761	1.758	91.44
2020	277.50	1.476	2.940	188.06	230.83	1.327	2.801	173.96
2021	377.56	1.575	2.851	239.74	353.86	1.391	2.666	254.37
2022	206.95	1.158	2.042	178.69	192.40	1.088	1.927	176.79
2023	252.47	1.485	1.887	170.04	238.45	1.386	1.751	171.99
2024	174.90	1.191	1.436	146.81	170.77	1.131	1.419	150.95
2025	153.06	1.097	2.266	139.56	135.04	0.894	2.012	151.13
COVINA								
2016	122.00	1.083	1.456	112.66	96.52	0.970	1.277	99.53
2017	122.78	1.006	1.499	122.08	110.47	0.875	1.257	126.25
2018	116.07	0.911	1.536	127.43	79.23	0.749	1.432	105.75
2019	90.18	0.949	1.045	95.07	82.20	0.885	0.969	92.90
2020	239.51	1.679	1.089	142.67	203.09	1.569	1.020	129.42
2021	271.46	1.518	1.511	178.85	262.95	1.463	1.375	179.74
2022	320.49	1.405	1.404	228.15	168.94	1.189	1.110	142.05
2023	165.62	1.466	1.535	112.95	160.74	1.386	1.378	116.01
2024	141.04	1.199	1.052	117.60	128.94	1.156	1.021	111.56
2025	287.99	1.308	1.208	220.18	137.57	1.058	1.047	130.03
FOOTHILL								
2016	142.11	0.973	1.353	146.09	137.41	0.953	1.322	144.19
2017	109.30	1.140	1.386	95.84	85.92	0.904	1.212	95.03
2018	111.89	0.938	1.230	119.24	72.98	0.736	0.996	99.14
2019	271.11	1.045	1.150	259.50	66.66	0.790	1.110	84.35
2020	356.01	1.629	1.658	218.52	220.90	1.341	1.488	164.71
2021	436.93	1.799	1.942	242.90	267.70	1.456	1.683	183.80
2022	200.75	1.393	1.586	144.10	181.49	1.334	1.297	136.07
2023	190.69	1.160	1.205	164.43	162.23	1.027	1.118	157.91
2024	418.03	1.574	1.205	265.59	219.37	1.421	1.184	154.39
2025	1101.82	2.153	1.217	511.75	217.60	1.442	0.879	150.86

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
FULLERTON								
2016	91.66	0.751	1.134	122.10	73.37	0.598	0.944	122.66
2017	81.64	0.637	1.105	128.19	66.42	0.544	0.969	122.05
2018	60.06	0.495	0.989	121.30	53.86	0.429	0.901	125.54
2019	82.09	0.777	1.077	105.62	72.90	0.712	1.007	102.39
2020	129.48	0.793	1.079	163.21	95.71	0.636	0.728	150.58
2021	178.09	0.845	1.130	210.80	165.85	0.806	1.014	205.86
2022	163.60	0.941	0.688	173.80	155.00	0.899	0.650	172.47
2023	156.07	0.878	1.052	177.82	148.81	0.825	1.008	180.49
2024	146.49	0.856	0.710	171.17	136.62	0.847	0.636	161.34
2025	162.39	0.958	0.683	169.44	149.18	0.880	0.622	169.60
HIGH DESERT								
2016	85.67	0.966	1.498	88.67	82.06	0.939	1.435	87.43
2017	114.76	1.092	2.566	105.08	104.88	1.014	2.030	103.48
2018	124.94	0.919	1.438	135.91	99.83	0.862	1.367	115.84
2019	86.33	1.075	2.082	80.33	77.33	0.967	1.732	79.97
2020	135.84	1.222	1.737	111.16	131.70	1.176	1.642	111.96
2021	218.89	1.432	2.746	152.81	212.18	1.355	2.682	156.56
2022	257.23	1.669	2.459	154.15	239.43	1.508	2.273	158.81
2023	211.16	1.181	2.094	178.79	195.03	1.091	1.944	178.81
2024	150.34	1.306	1.961	115.13	147.59	1.176	1.934	125.46
2025	257.92	1.494	2.734	172.59	153.77	1.222	2.578	125.80
HUNTINGTON BEACH								
2016	127.09	1.230	1.216	103.34	107.23	1.154	1.154	92.92
2017	95.91	0.958	1.429	100.09	76.22	0.834	1.166	91.38
2018	87.73	0.765	1.331	114.74	73.73	0.687	1.067	107.39
2019	98.96	0.956	1.151	103.49	80.54	0.828	0.975	97.28
2020	154.16	1.097	1.101	140.50	143.82	1.014	1.050	141.82
2021	154.19	1.201	1.516	128.36	143.89	1.107	1.327	129.99
2022	213.79	1.559	1.441	137.18	207.26	1.491	1.389	139.02
2023	170.11	1.347	1.102	126.26	163.00	1.247	0.943	130.73
2024	148.10	1.129	1.233	131.17	147.01	1.122	1.196	131.07
2025	163.75	1.364	1.310	120.08	154.64	1.255	1.065	123.19
KERNVILLE								
2016	2421.32	3.674	2.928	659.03	909.19	2.839	2.832	320.21
2017	305.53	3.286	4.508	92.98	290.60	3.148	4.210	92.31
2018	184.41	1.141	3.104	161.65	152.82	1.009	3.087	151.39
2019	320.17	1.669	3.964	191.87	317.54	1.663	3.961	190.89
2020	850.04	3.747	2.723	226.84	826.97	3.703	2.715	223.33
2021	2528.50	3.318	2.099	762.16	1758.18	2.982	1.391	589.55
2022	1535.90	4.953	5.668	310.07	1429.44	4.687	3.624	304.99
2023	1033.63	3.207	2.431	322.31	962.59	3.105	1.653	310.01
2024	1335.34	3.834	4.772	348.31	1251.73	3.676	4.765	340.53
2025	2406.14	7.220	2.541	333.26	2278.93	6.679	2.273	341.21

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
LONG BEACH								
2016	123.01	0.748	1.176	164.42	88.24	0.604	0.966	146.12
2017	72.08	0.646	1.107	111.66	56.27	0.547	0.980	102.89
2018	47.04	0.387	1.202	121.65	39.44	0.351	1.072	112.20
2019	76.69	0.591	0.957	129.80	58.99	0.529	0.807	111.59
2020	168.30	0.871	1.181	193.27	154.54	0.786	1.082	196.64
2021	199.06	1.083	1.251	183.84	189.02	1.009	1.123	187.29
2022	157.27	1.078	1.071	145.83	145.85	0.995	0.969	146.58
2023	183.84	1.025	0.995	179.36	176.84	0.970	0.930	182.29
2024	96.67	0.641	0.711	150.71	95.04	0.632	0.708	150.42
2025	138.91	0.777	1.098	178.78	123.23	0.668	1.009	184.43
MENIFEE								
2016	156.55	1.311	1.454	119.41	138.77	1.190	1.344	116.58
2017	128.28	0.940	1.336	136.42	70.95	0.744	1.225	95.43
2018	173.54	0.890	1.425	195.06	70.65	0.689	1.259	102.51
2019	99.33	0.858	1.036	115.75	76.74	0.749	0.871	102.40
2020	370.76	1.570	1.135	236.19	194.38	1.261	1.023	154.12
2021	391.24	1.615	0.853	242.25	307.38	1.465	0.750	209.76
2022	232.87	1.384	0.940	168.31	225.65	1.332	0.883	169.44
2023	176.24	1.252	0.698	140.79	168.12	1.197	0.653	140.47
2024	235.00	1.697	0.979	138.51	180.96	1.637	0.978	110.51
2025	1039.02	2.267	0.965	458.39	211.13	1.395	0.766	151.31
MONROVIA								
2016	110.07	0.863	1.482	127.49	92.75	0.777	1.370	119.30
2017	101.25	0.932	1.682	108.66	92.09	0.891	1.594	103.32
2018	240.94	1.431	1.504	168.39	99.40	1.011	1.355	98.32
2019	80.39	0.748	1.168	107.45	73.33	0.684	1.115	107.27
2020	338.55	1.419	1.591	238.54	279.90	1.217	1.404	230.01
2021	407.38	1.653	1.249	246.50	396.96	1.606	1.151	247.20
2022	369.40	1.575	1.762	234.47	221.93	1.225	1.458	181.17
2023	222.17	1.392	1.145	159.64	213.54	1.319	1.106	161.87
2024	227.05	1.340	0.982	169.41	183.28	1.305	0.972	140.40
2025	4059.85	2.722	1.590	1491.29	228.00	1.624	1.294	140.42
MONTEBELLO								
2016	135.25	1.162	2.207	116.39	109.24	1.050	2.019	103.99
2017	128.07	1.026	2.293	124.80	98.44	0.909	1.977	108.30
2018	159.89	1.067	2.367	149.83	98.87	0.793	1.939	124.73
2019	132.42	1.237	2.115	107.01	111.39	1.074	1.911	103.70
2020	299.13	1.411	1.901	211.98	236.50	1.217	1.707	194.30
2021	337.64	1.477	2.184	228.64	331.57	1.452	2.038	228.41
2022	270.44	1.431	1.800	189.03	236.36	1.285	1.625	184.00
2023	361.64	1.738	1.985	208.08	343.54	1.517	1.728	226.42
2024	180.79	1.097	1.686	164.86	179.80	1.092	1.605	164.63
2025	389.67	1.852	1.968	210.44	279.48	1.459	1.791	191.62

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
ONTARIO								
2016	98.07	0.817	1.143	120.09	79.75	0.703	0.960	113.48
2017	94.38	1.068	1.433	88.39	86.45	0.991	1.298	87.20
2018	69.72	0.644	0.967	108.33	49.79	0.546	0.858	91.23
2019	84.47	0.864	1.153	97.79	71.34	0.785	1.087	90.88
2020	239.65	1.256	1.347	190.84	149.55	0.962	0.989	155.43
2021	182.84	1.136	1.401	160.91	148.73	1.008	1.198	147.58
2022	216.95	1.173	1.563	184.89	129.11	0.953	1.037	135.50
2023	144.41	1.113	1.239	129.73	135.42	1.036	1.187	130.68
2024	141.15	1.004	1.055	140.64	136.38	0.968	1.050	140.93
2025	308.08	1.058	1.213	291.17	108.18	0.757	0.990	142.96
PALM SPRINGS								
2016	107.58	1.066	1.281	100.91	101.36	1.010	1.133	100.35
2017	119.10	1.022	1.220	116.57	116.43	0.998	1.210	116.63
2018	73.94	0.788	1.426	93.79	60.30	0.726	1.208	83.10
2019	133.67	1.231	1.622	108.55	91.53	0.914	1.298	100.17
2020	267.81	1.258	1.217	212.89	241.50	1.140	1.145	211.90
2021	246.34	1.336	1.447	184.38	236.09	1.321	1.429	178.77
2022	172.46	1.143	1.505	150.85	163.31	1.029	1.196	158.69
2023	204.76	1.104	1.556	185.45	139.77	0.909	1.405	153.82
2024	175.84	1.152	0.990	152.62	148.63	1.123	0.963	132.37
2025	278.53	1.442	1.090	193.10	171.09	1.276	0.813	134.05
REDLANDS								
2016	137.74	1.028	1.613	134.05	119.46	0.933	1.480	128.10
2017	143.70	0.989	1.596	145.35	114.31	0.843	1.408	135.56
2018	94.07	1.007	1.342	93.38	76.14	0.874	1.185	87.14
2019	217.35	1.280	1.370	169.80	106.37	0.975	1.206	109.12
2020	743.06	2.197	1.406	338.23	362.37	1.667	1.257	217.42
2021	712.80	2.760	1.859	258.30	565.77	2.429	1.733	232.92
2022	390.04	1.949	1.559	200.07	350.63	1.796	1.372	195.27
2023	455.89	2.302	1.916	198.04	403.27	2.216	1.850	181.98
2024	536.27	2.298	1.486	233.33	466.96	2.192	1.433	212.99
2025	1111.51	2.411	1.062	460.96	236.84	1.445	0.895	163.95
RIDGECREST								
2016	253.60	1.046	1.273	242.48	248.80	0.939	1.150	264.97
2017	162.83	1.080	3.467	150.79	152.12	1.057	3.395	143.89
2018	254.36	1.097	1.231	231.80	99.58	0.730	1.229	136.45
2019	297.40	2.080	4.850	142.97	293.87	1.796	4.132	163.66
2020	217.88	1.251	1.602	174.10	212.24	1.110	1.470	191.24
2021	294.89	1.577	3.352	187.03	257.85	1.342	3.122	192.07
2022	397.66	2.559	4.598	155.38	348.93	1.750	2.801	199.33
2023	280.49	1.433	3.346	195.77	226.66	1.336	3.015	169.68
2024	276.32	1.568	4.357	176.28	271.59	1.556	4.303	174.56
2025	237.74	1.645	3.828	144.51	192.02	0.903	3.401	212.53

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
SADDLEBACK								
2016	71.12	0.693	0.805	102.65	67.59	0.649	0.761	104.07
2017	68.33	0.602	0.723	113.51	51.72	0.508	0.574	101.85
2018	46.24	0.380	0.418	121.82	36.17	0.316	0.368	114.42
2019	133.13	0.667	0.388	199.65	42.90	0.509	0.337	84.32
2020	156.10	0.770	0.247	202.71	118.03	0.658	0.229	179.51
2021	138.37	0.780	0.801	177.31	123.23	0.701	0.799	175.70
2022	75.80	0.669	0.520	113.24	74.33	0.633	0.467	117.45
2023	82.33	0.700	0.389	117.69	79.67	0.666	0.345	119.58
2024	86.53	0.756	0.406	114.42	79.11	0.735	0.406	107.67
2025	162.46	0.987	0.533	164.54	117.83	0.755	0.454	156.04
SANTA ANA								
2016	93.76	0.986	1.206	95.11	84.17	0.910	1.127	92.45
2017	89.30	0.740	1.360	120.74	74.99	0.641	1.222	117.00
2018	130.80	0.834	1.479	156.81	57.88	0.547	1.232	105.80
2019	63.70	0.614	0.881	103.79	59.79	0.565	0.838	105.74
2020	137.14	0.897	1.256	152.83	107.64	0.742	0.932	145.04
2021	209.09	0.968	1.073	215.94	179.57	0.820	0.871	219.00
2022	152.73	1.007	0.907	151.69	142.94	0.962	0.828	148.62
2023	159.68	0.841	1.069	189.82	149.57	0.794	1.022	188.29
2024	140.41	0.770	0.777	182.47	120.58	0.733	0.745	164.54
2025	209.80	0.961	0.777	218.34	137.29	0.777	0.520	176.64
SANTA BARBARA								
2016	156.66	1.411	1.464	111.03	130.01	1.269	1.249	102.44
2017	408.43	9.213	13.591	44.33	152.42	1.619	1.206	94.17
2018	172.90	1.022	1.201	169.20	85.57	0.908	1.000	94.28
2019	201.25	1.502	1.750	134.00	179.19	1.389	1.562	129.02
2020	599.25	2.240	1.162	267.57	577.05	2.034	1.134	283.74
2021	652.83	2.359	0.981	276.76	627.86	2.158	0.803	291.00
2022	430.62	2.172	2.221	198.22	425.04	2.147	2.161	198.01
2023	512.85	2.887	2.098	177.66	490.26	2.670	1.977	183.64
2024	293.99	2.072	2.200	141.90	266.21	1.874	1.574	142.04
2025	458.34	2.277	1.523	201.26	399.06	2.218	1.484	179.90
SANTA MONICA								
2016	91.08	0.948	1.210	96.13	89.11	0.933	1.131	95.49
2017	71.89	0.712	1.168	101.02	66.14	0.678	1.108	97.49
2018	80.24	1.045	1.352	76.79	60.40	0.716	1.320	84.33
2019	104.74	0.896	1.424	116.87	100.35	0.861	1.373	116.49
2020	331.19	1.369	1.258	241.86	321.26	1.286	1.196	249.82
2021	157.78	0.834	1.121	189.24	155.35	0.811	1.039	191.57
2022	239.76	1.984	1.605	120.86	219.10	1.699	1.544	128.99
2023	177.48	1.176	1.165	150.88	144.82	1.006	1.086	143.92
2024	152.86	1.094	0.909	139.73	152.05	1.051	0.905	144.65
2025	197.01	1.507	1.201	130.76	172.49	1.002	1.010	172.19

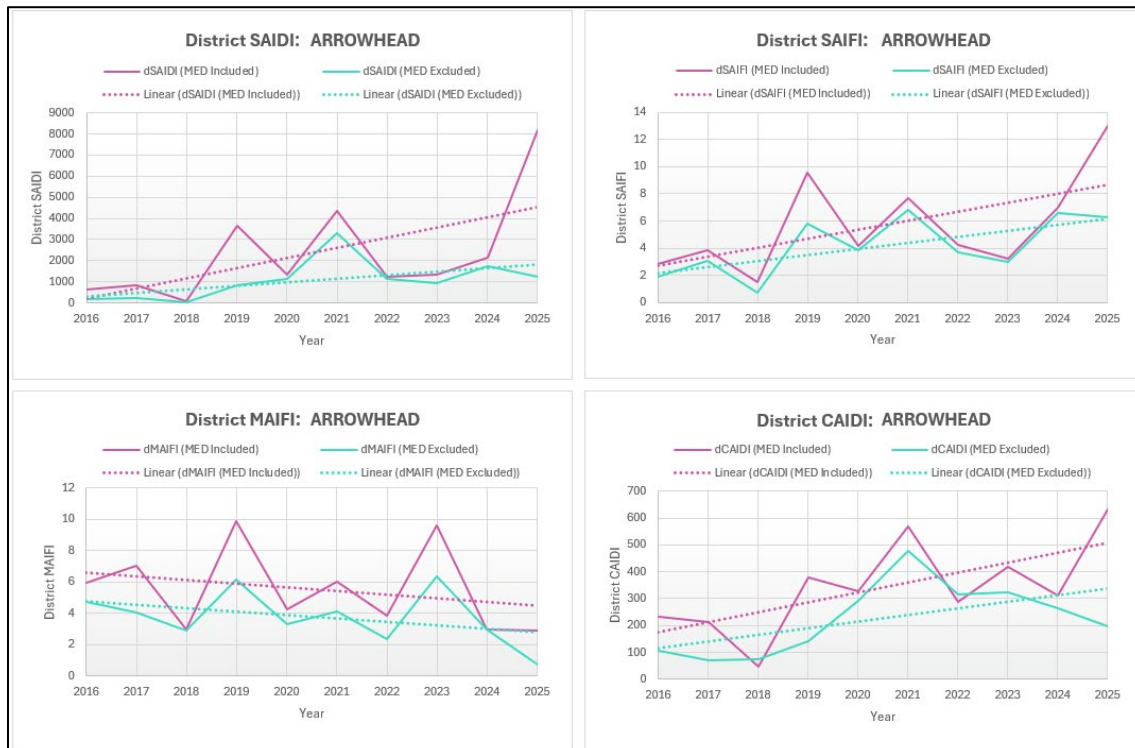
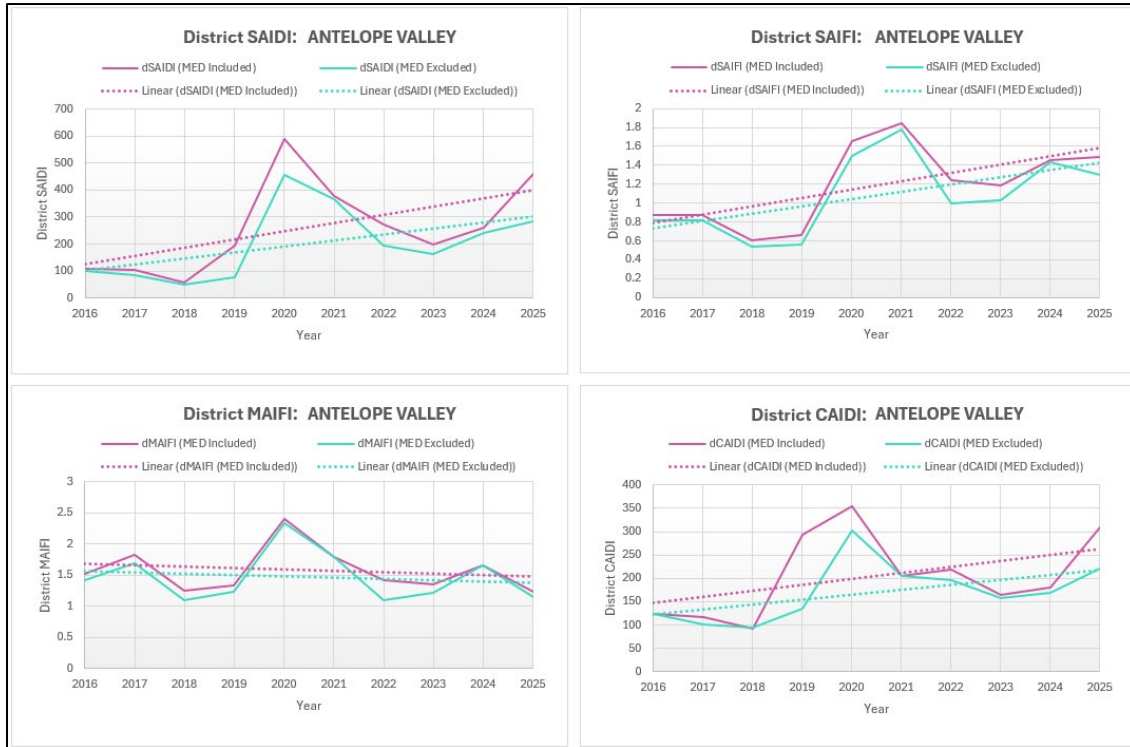
District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
SHAVER LAKE								
2016	1062.01	4.993	4.157	212.70	774.00	2.795	2.165	276.87
2017	4273.52	7.947	5.220	537.73	676.22	6.039	5.197	111.97
2018	203.43	2.484	6.362	81.89	203.43	2.484	6.362	81.89
2019	1559.97	5.579	7.850	279.61	1504.82	5.206	5.339	289.07
2020	35394.32	10.732	3.836	3297.87	2392.72	9.483	3.836	252.31
2021	1486.73	3.345	3.017	444.46	1479.19	3.327	3.017	444.56
2022	1363.35	3.824	1.467	356.49	1356.40	3.567	1.216	380.31
2023	434.06	2.358	0.452	184.05	308.65	2.305	0.452	133.92
2024	536.38	3.829	0.406	140.09	536.38	3.829	0.406	140.09
2025	1575.99	4.391	1.426	358.91	1508.27	4.168	1.426	361.86
SOUTH BAY								
2016	183.90	1.884	2.020	97.60	150.90	1.752	1.818	86.12
2017	99.19	0.931	1.460	106.53	87.35	0.818	1.328	106.76
2018	90.63	1.090	1.771	83.13	82.27	1.007	1.524	81.67
2019	79.31	1.010	1.398	78.54	71.49	0.950	1.313	75.27
2020	232.95	1.353	1.570	172.20	206.85	1.255	1.529	164.80
2021	308.64	1.501	1.834	205.59	300.66	1.431	1.722	210.15
2022	229.65	1.653	2.058	138.96	221.41	1.563	1.939	141.66
2023	247.71	1.719	1.813	144.10	236.33	1.652	1.677	143.10
2024	170.08	1.176	1.521	144.60	168.67	1.169	1.498	144.23
2025	190.97	1.190	1.475	160.44	165.63	1.004	1.328	165.03
TEHACHAPI								
2016	99.05	1.136	2.363	87.16	77.96	1.040	1.940	74.95
2017	86.51	1.048	3.149	82.57	77.93	0.890	2.969	87.57
2018	56.34	0.675	2.288	83.51	55.31	0.657	2.158	84.18
2019	2985.35	4.636	2.236	643.90	468.81	2.744	1.841	170.87
2020	1614.92	3.086	3.165	523.29	543.11	2.108	3.025	257.62
2021	999.43	2.317	0.989	431.31	695.60	2.126	0.955	327.23
2022	593.91	2.842	3.361	209.01	409.22	1.723	1.768	237.50
2023	729.50	3.224	2.045	226.26	695.31	3.170	1.609	219.34
2024	473.30	1.311	5.450	361.12	198.30	1.144	5.406	173.38
2025	433.56	2.320	3.299	186.86	248.17	1.939	3.199	127.98
THOUSAND OAKS								
2016	139.46	1.277	2.560	109.20	123.96	1.198	2.364	103.49
2017	145.73	1.348	3.201	108.07	103.86	1.031	2.869	100.71
2018	1161.53	1.432	1.624	810.94	104.14	0.921	1.343	113.03
2019	436.40	1.602	1.109	272.33	109.52	1.120	1.059	97.80
2020	652.99	2.220	0.997	294.19	298.14	1.668	0.919	178.69
2021	1164.88	2.918	1.398	399.17	411.05	2.168	1.272	189.57
2022	230.27	1.727	1.329	133.31	223.67	1.640	1.216	136.36
2023	286.04	2.009	1.472	142.36	240.36	1.708	1.370	140.70
2024	837.19	2.077	1.747	402.99	215.71	1.641	1.744	131.43
2025	3010.95	3.674	1.620	819.42	350.87	2.320	1.218	151.22

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
TULARE								
2016	108.44	1.091	1.105	99.37	101.82	1.040	1.082	97.89
2017	191.66	1.343	1.198	142.71	105.72	1.282	1.188	82.46
2018	56.23	0.685	1.077	82.15	51.29	0.652	1.017	78.64
2019	72.67	0.745	1.075	97.51	69.70	0.716	1.035	97.36
2020	250.16	1.018	0.880	245.67	136.96	0.940	0.860	145.66
2021	745.70	1.115	1.123	668.99	734.06	1.084	1.094	677.31
2022	143.91	0.840	1.271	171.35	133.49	0.797	1.210	167.40
2023	173.03	1.021	1.209	169.50	158.83	0.930	1.097	170.70
2024	142.13	1.064	1.073	133.58	137.77	1.046	1.058	131.71
2025	168.76	1.005	1.218	167.91	162.35	0.936	1.185	173.36
VALENCIA								
2016	110.59	1.007	1.607	109.81	102.34	0.880	1.563	116.35
2017	145.56	1.194	1.665	121.89	85.20	0.750	1.347	113.66
2018	101.39	1.123	1.467	90.28	88.02	1.003	1.407	87.77
2019	546.80	1.376	1.098	397.29	106.51	1.004	1.050	106.06
2020	645.50	1.807	1.204	357.20	188.68	1.342	1.182	140.55
2021	678.05	1.902	1.510	356.54	350.76	1.498	1.465	234.17
2022	188.03	1.523	0.983	123.46	187.30	1.519	0.983	123.31
2023	183.14	1.335	0.775	137.20	170.60	1.252	0.769	136.28
2024	321.23	1.509	1.476	212.91	170.73	1.427	1.471	119.65
2025	650.14	1.598	0.827	406.75	161.77	1.275	0.677	126.86
VENTURA								
2016	150.92	1.239	1.666	121.81	107.97	1.025	1.540	105.32
2017	520.83	3.122	2.284	166.82	114.63	1.240	1.533	92.48
2018	135.91	1.443	1.921	94.17	100.26	1.182	1.675	84.80
2019	351.85	1.661	2.621	211.84	133.51	1.364	2.419	97.89
2020	368.06	1.432	1.201	257.03	247.85	1.228	1.089	201.88
2021	669.51	2.781	2.104	240.78	412.18	2.344	1.699	175.88
2022	235.09	1.958	1.543	120.05	227.60	1.889	1.524	120.51
2023	208.83	1.877	2.254	111.24	200.01	1.769	2.148	113.05
2024	483.34	2.382	1.732	202.87	297.47	2.016	1.465	147.52
2025	789.61	2.771	1.916	284.92	288.23	1.975	1.635	145.93
WHITTIER								
2016	146.72	0.969	1.505	151.37	97.38	0.753	1.379	129.33
2017	145.05	0.906	1.807	160.17	79.97	0.754	1.589	106.07
2018	96.46	0.751	1.378	128.40	82.49	0.656	1.258	125.67
2019	79.32	0.725	1.316	109.42	65.91	0.604	1.102	109.17
2020	193.35	1.090	1.339	177.44	159.33	0.965	1.214	165.15
2021	314.57	1.249	1.554	251.91	303.36	1.170	1.315	259.27
2022	242.40	1.221	1.492	198.56	233.15	1.167	1.339	199.72
2023	188.75	1.049	1.176	179.90	178.04	0.983	1.000	181.15
2024	317.62	1.860	1.245	170.79	128.08	1.028	1.080	124.58
2025	117.71	0.769	1.083	153.14	100.91	0.596	0.924	169.18

District/Year	MED Included				MED Excluded			
	dSAIDI	dSAIFI	dMAIFI	dCAIDI	dSAIDI	dSAIFI	dMAIFI	dCAIDI
WILDOMAR								
2016	84.26	0.866	0.943	97.28	79.45	0.839	0.853	94.67
2017	92.90	0.830	0.984	111.87	58.76	0.607	0.902	96.76
2018	61.41	0.756	0.860	81.20	52.27	0.630	0.773	82.93
2019	94.66	0.769	0.727	123.09	53.32	0.611	0.713	87.32
2020	189.41	1.090	0.947	173.74	146.26	0.958	0.946	152.71
2021	230.43	1.123	0.663	205.14	220.67	1.043	0.585	211.50
2022	170.60	1.105	0.468	154.38	164.63	1.068	0.434	154.09
2023	163.29	0.972	0.440	168.01	155.86	0.938	0.363	166.21
2024	229.04	1.514	0.434	151.31	170.50	1.456	0.434	117.10
2025	652.27	1.449	0.436	450.28	161.36	0.940	0.410	171.60
YUCCA VALLEY								
2016	463.68	3.393	3.875	136.66	440.06	3.257	3.106	135.13
2017	300.35	1.957	1.602	153.46	270.13	1.729	1.509	156.26
2018	353.88	1.937	2.748	182.65	206.62	1.488	1.833	138.84
2019	452.18	2.348	1.931	192.55	401.95	2.074	1.728	193.81
2020	490.65	2.898	2.418	169.33	464.26	2.720	2.367	170.67
2021	891.52	3.278	2.227	271.99	859.20	2.994	2.165	286.96
2022	499.39	2.824	3.637	176.83	478.24	2.607	1.722	183.46
2023	540.91	2.833	4.819	190.94	488.09	2.611	4.560	186.96
2024	251.71	1.840	1.958	136.80	247.50	1.810	1.958	136.73
2025	865.53	5.810	1.337	148.98	336.39	2.738	1.017	122.87

Table 8: District Indices from 2016-2025 for Planned and Unplanned Outages

SECTION 3a: District Line Graphs for Planned and Unplanned Outages

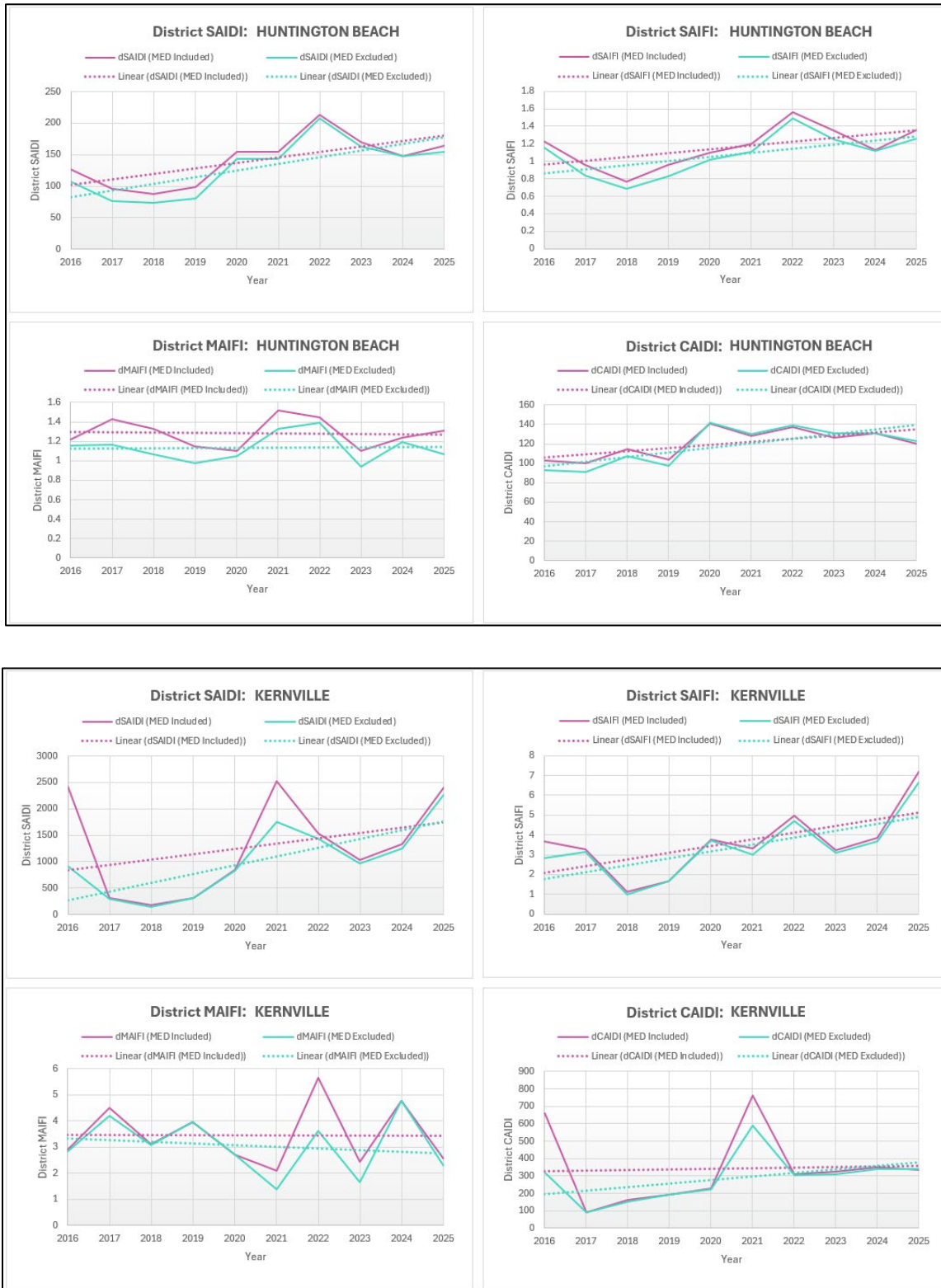


















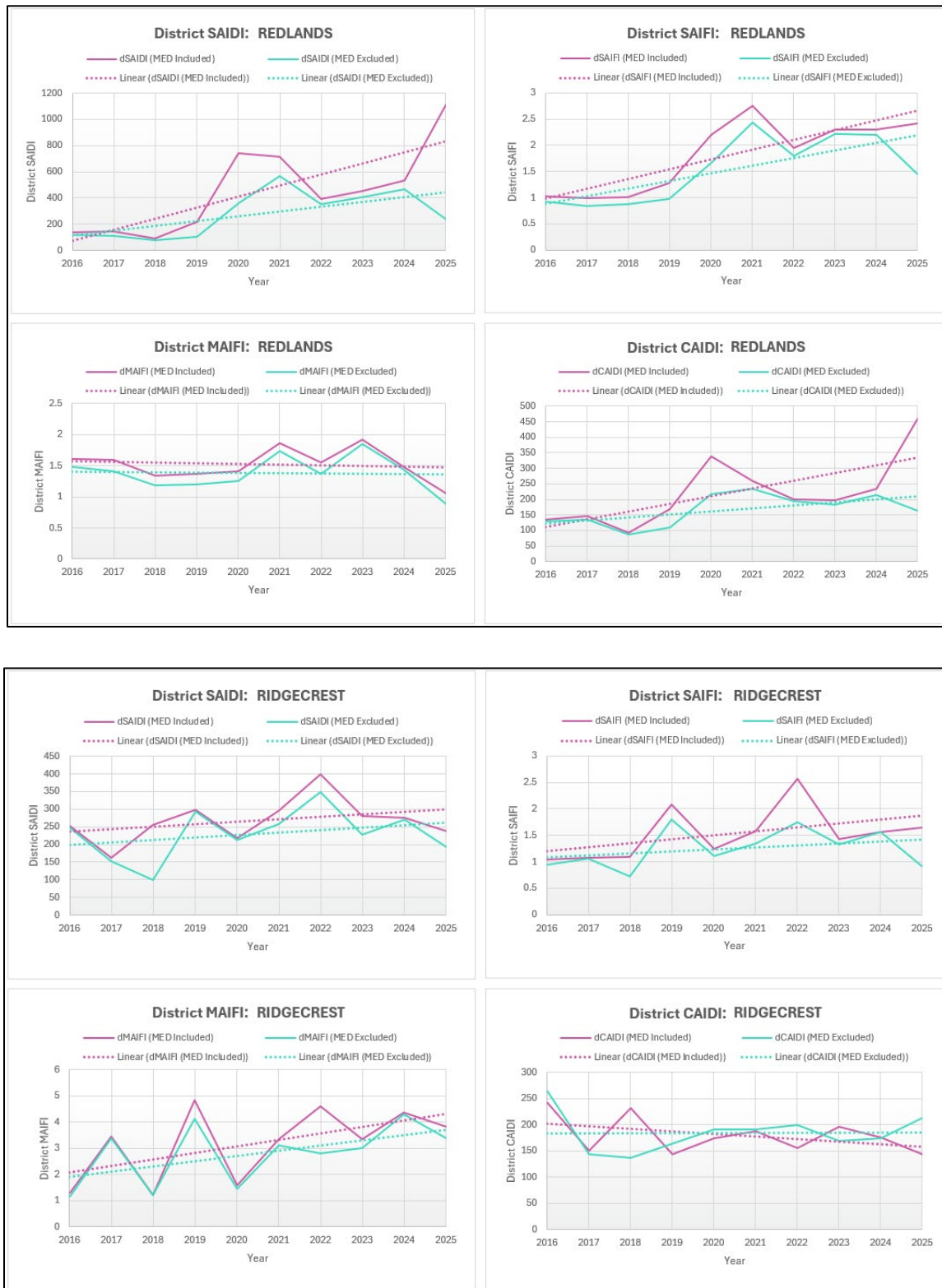
















Figure 6: District Indices for Planned and Unplanned Outages

SECTION 3b: District Planned Outages Details

Table 9 summarizes the number of planned outages for each district per month for 2025. Planned outages on the same day and circuits may potentially be condensed into one outage event due to the underlying methodology used to link outages using meter data. The information on the number, date, and location of planned outages for 2025 was provided under seal in a separate report to the Directors of Energy Division and the Safety Enforcement Division on the same day of submission of this report.

Number of Planned Outages in Each District (2025)													
District	January	February	March	April	May	June	July	August	September	October	November	December	Total
ANTELOPE VALLEY	17	39	78	91	56	49	55	69	56	69	42	59	680
ARROWHEAD	10	59	45	48	38	29	23	21	18	23	12	44	370
BISHOP	8	12	12	20	25	43	30	33	36	36	14	22	291
BLYTHE	6	21	10	11	7	8	10	12	16	19	11	8	139
CATALINA	1	1	5	1	2	1	0	0	0	0	2	0	13
COMPTON	26	40	60	72	73	60	43	35	62	50	41	49	611
COVINA	17	40	60	75	83	51	59	69	71	67	51	57	699
FOOTHILL	30	68	63	57	42	66	53	52	50	45	20	35	581
FULLERTON	24	65	84	84	59	87	56	42	76	60	38	74	748
HIGH DESERT	53	45	75	101	67	52	52	45	45	38	25	33	631
HUNTINGTON BEACH	29	39	49	65	56	47	60	46	40	41	38	44	554
KERNVILLE	5	16	40	74	69	45	56	52	84	81	36	37	595
LONG BEACH	17	46	82	71	51	53	46	35	36	21	25	29	512
MENIFEE	41	90	82	85	78	94	77	86	100	86	44	73	936
MONROVIA	15	32	48	47	54	59	80	71	73	80	39	75	673
MONTEBELLO	9	33	43	58	41	80	67	63	62	89	41	56	642
ONTARIO	19	54	55	70	65	51	70	67	60	59	42	51	663
PALM SPRINGS	15	47	52	59	55	58	55	61	42	41	27	48	560
REDLANDS	41	68	84	101	82	86	59	60	63	74	44	110	872
RIDGECREST	4	7	20	20	29	15	19	10	7	10	1	4	146
SADDLEBACK	10	25	42	71	38	34	35	50	22	24	11	35	397
SANTA ANA	35	63	63	56	72	80	91	47	50	47	47	46	697
SANTA BARBARA	28	47	75	85	100	112	71	72	100	91	36	107	924
SANTA MONICA	9	18	22	14	21	24	19	14	12	24	16	13	206
SHAVER LAKE	0	1	3	8	10	5	5	4	8	18	9	7	78
SOUTH BAY	33	48	48	56	57	67	64	59	45	48	32	56	613
TEHACHAPI	42	96	49	42	17	28	67	42	23	11	4	13	434
THOUSAND OAKS	23	54	134	175	171	124	107	115	135	123	101	229	1,491
TULARE	32	108	117	131	152	119	105	123	129	96	62	90	1,264
VALENCIA	13	40	43	43	34	31	27	19	35	54	26	50	415
VENTURA	44	96	140	147	130	131	140	103	106	95	52	95	1,279
WHITTIER	13	32	24	47	40	35	29	28	21	26	14	14	323
WILDOMAR	42	58	90	90	86	84	95	60	49	46	24	54	778
YUCCA VALLEY	11	32	38	18	15	17	16	30	50	53	25	55	360

Table 9: Number of Planned Outage for Each District (2025)

The map below shows SCE's service area with power delivery regions and districts. The map contains both SCE district boundaries and county boundaries. SCE has 7 regions and 34 districts. Previously, SCE had 10 regions and 35 districts.



SECTION 5: Top 1% of Worst Performing Circuits

SECTION 5a: WPC Details

The Worst Performing Circuits (WPC) activity targets the top 1% worst performing circuits, measured using the *IEEE Standard 1366* indices SAIDI and SAIFI.

WPCs are identified by using three years of system outage history excluding MEDs and planned outages. SCE applies a weighted factor to the SAIDI and SAIFI system indices. The most recent year's performance receives a 61% weight, while the weights for the subsequent previous years are 28% and 11%, respectively. The weighted results are summed per circuit and then ranked from highest to lowest. SCE reports the top 46 WPCs for both SAIDI and SAIFI indices; naturally, some circuits overlap between indices. When considering this overlap, SCE is reporting 75 unique WPCs. Of the 75 WPCs, 30 circuits are denoted with an asterisk (*) which indicates that the circuit was also on the previous year's WPC list.

Table 10 below presents the Top 1% WPC using the SAIDI index, while Table 11 displays the Top 1% WPC using the SAIFI index. The tables provide (1) circuit name, (2) district, (3) customer count, (4) substation name, (5) circuit miles, (6) %UG, (7) %OH, (8) number of main line outages resulting in the operation of a circuit breaker or automatic re-closer, (9) System-Level reliability index, and (10) Circuit-Level reliability index.

Table 10: Top 1% WPC Based on SAIDI (Excluding MEDs)

Name	District	Substation	2025 Circuit Customers	2025 Circuit Miles (d)	2025 %OH	2025 %UG	2025 CB/AR Operation (a)	Sys-SAIDI (b)	Sys-SAIDI Rank	Ckt SAIDI (c)	Ckt SAIDI Rank
SODA SPRINGS 12kV*	Tulare	BOXWOOD	1994	145.30	93%	7%	19	1.35	1	97930.21	2
TUNGSTEN 12kV	Kernville	ISABELLA	1634	49.66	84%	16%	25	0.90	2	87413.00	3
BIRCHIM 12kV*	Bishop	MT. TOM	584	54.84	94%	6%	47	0.81	3	21203.17	5
CACHUMA 16kV	Santa Barbara	VEGAS	2533	69.28	83%	17%	14	0.61	4	9484.04	11
HUGHES LAKE 12kV	Antelope Valley	DEL SUR	1633	122.26	87%	13%	8	0.51	5	3382.35	34
REVERSE PEAK 12kV	Bishop	JUNE LAKE	518	29.15	73%	27%	10	0.49	6	7925.97	14
BONANZA 12kV	Kernville	KERNVILLE	1278	39.90	94%	6%	14	0.48	7	6826.42	17
TENNECO 12kV	Antelope Valley	FRAZIER PARK	4820	121.63	79%	21%	1	0.47	8	1101.05	107
NORTHPARK 12kV	Redlands	SHANDIN	2242	48.00	74%	26%	13	0.42	9	2612.29	44
CAMPANULA 25kV*	Yucca Valley	NUGGET	2108	138.22	92%	8%	33	0.41	10	1071.95	108
FERRARA 12kV*	Ontario	PADUA	1804	41.80	50%	50%	7	0.39	11	2101.86	58
CUTHBERT 16kV	Thousand Oaks	LATIGO	2408	41.60	58%	42%	14	0.38	12	990.22	116
VICASA 16kV*	Thousand Oaks	VALDEZ	2886	51.59	65%	35%	12	0.38	13	1440.57	77
JENKS LAKE 12kV*	Redlands	CONVERSE FLATS	119	14.67	98%	2%	5	0.37	14	586.18	217
TWIN LAKES 16kV	Thousand Oaks	SANTA SUSANA	2840	23.56	24%	76%	2	0.37	15	3073.77	40
GALAHAD 16kV	Thousand Oaks	LATIGO	2221	81.88	65%	35%	27	0.36	16	3352.19	35
SAUNDERS 12kV	Menifee	IDYLLWILD P.T.	2775	39.48	93%	7%	0	0.34	17	4264.84	29
THACHER 16kV	Ventura	OJAI	2230	98.50	80%	20%	20	0.33	18	7124.04	15
SNOW VALLEY 12kV*	Arrowhead	RUNNING SPRINGS	1121	23.74	90%	10%	6	0.32	19	477.05	276
VULTEE 16kV	South Bay	LENNOX	2781	13.45	51%	49%	4	0.31	20	2932.24	41
PAWNEE 12kV*	Menifee	GAVILAN	2403	90.77	84%	16%	11	0.31	21	13353.08	8
ROBINSON CREEK 12kV*	Bishop	BRIDGEPORT	229	17.34	93%	7%	7	0.30	22	5480.39	20
ORSATTI 4kV	Santa Monica	ORSATTI P.T.	1174	3.11	85%	15%	2	0.30	23	1811.21	67
ROWCO 12kV*	Arrowhead	RUNNING SPRINGS	1582	18.28	86%	14%	2	0.29	24	622.20	200
FELDSPAR 16kV*	South Bay	CREST	2563	50.31	42%	58%	1	0.29	25	1281.52	90
BUCKHORN 16kV	Ventura	FILLMORE	2791	68.85	89%	11%	6	0.28	26	1585.60	73
PIRATE 16kV*	Compton	CUDAHY	4718	21.99	85%	15%	2	0.27	27	14872.27	7
TINKER 12kV	Huntington Beach	HAMILTON	3116	20.08	22%	78%	4	0.27	28	2054.13	60
HASKELL 16kV	Monrovia	ARROYO	1563	26.51	55%	45%	20	0.27	29	2210.04	54
RICARDO 16kV	Ventura	SAN MIGUEL	3493	24.57	57%	43%	8	0.26	30	603.55	208
ALASKA 16kV	South Bay	YUKON	2540	15.49	84%	16%	4	0.26	31	1666.64	70
HURST 16kV	Santa Barbara	SAN MARCOS	4150	50.86	73%	27%	6	0.25	32	530.92	236
STROSNIDER 16kV	Bishop	BRIDGEPORT	438	14.45	90%	10%	7	0.25	33	3197.40	38
SINALOA 16kV*	Thousand Oaks	ROYAL	2194	28.40	17%	83%	2	0.25	34	501.11	258
SEXTON 16kV*	Ventura	SATICOY	4299	42.42	68%	32%	4	0.25	35	600.23	210
FLYING D 12kV*	Kernville	HAVILAH	333	62.15	94%	6%	11	0.25	36	477.17	275
WINNEBAGO 12kV	Foothill	WEST RIVERSIDE	1318	19.03	68%	32%	8	0.24	37	1156.98	101
PINE COVE 12kV	Menifee	IDYLLWILD P.T.	1462	26.31	86%	14%	4	0.23	38	1608.55	72
BALDWIN 16kV	Monrovia	EATON	3134	25.62	82%	18%	11	0.23	39	1015.21	114
CANEBRAKE 12kV	Kernville	WELDON	787	73.33	90%	10%	9	0.22	40	1351.07	84
ALPINE 2.4kV	Arrowhead	ALPINE P.T.	708	9.60	93%	7%	5	0.21	41	2482.02	48
LIMITED 12kV*	Wildomar	ELSINORE	2133	40.12	57%	43%	3	0.21	42	66.96	1866
BLAKE 16kV	South Bay	LA FRESA	5316	18.87	60%	40%	1	0.21	43	383.74	373
SAGO 16kV*	South Bay	TORRANCE	4104	20.78	76%	24%	3	0.21	44	1065.26	110
GREEN BEAR 2.4kV*	Arrowhead	GREEN BEAR P.T.	674	7.52	100%	0%	2	0.21	45	499.60	261
ELDER 12kV*	Foothill	RIALTO	1854	12.97	59%	41%	6	0.20	46	831.79	139

(*) Circuits that have appeared in both 2024 and 2025 SAIDI WPC list per D. 16-01-008

(a) Includes sustained and momentary outages that affected the circuit breaker (CB) and/or automatic recloser (AR)

(b) SAIDI is based on a three-year weighted average (61%, 28%, 11%)

(c) Circuit (Ckt) SAIDI is based on a three-year weighted factor (average customer experience on circuit)

(d) Starting 2021, Circuit Miles is obtained using geospatial data moving away from legacy software

Table 11: Top 1% WPC Based on SAIFI (Excluding MEDs)

Name	District	Substation	2025 Circuit Customers	2025 Circuit Miles (d)	2025 %OH	2025 %UG	2025 CB/AR Operation (a)	Sys-SAIFI (b)	Sys-SAIFI Rank	Ckt SAIFI (c)	Ckt SAIFI Rank
CAMPANULA 25kV*	Yucca Valley	NUGGET	2108	138.22	92%	8%	33	0.005	1	18.18	15
MILPAS 16kV*	Santa Barbara	SANTA BARBARA	6572	27.21	69%	31%	5	0.004	2	3.75	166
BALDWIN 16kV	Monrovia	EATON	3134	25.62	82%	18%	11	0.003	3	7.57	27
RICARDO 16kV	Ventura	SAN MIGUEL	3493	24.57	57%	43%	8	0.003	4	7.05	35
PAWNEE 12kV*	Menifee	GAVILAN	2403	90.77	84%	16%	11	0.003	5	9.40	20
LOCKSLEY 16kV*	Monrovia	RAVENDALE	5082	18.34	61%	39%	2	0.003	6	3.91	153
GALAHAD 16kV	Thousand Oaks	LATIGO	2221	81.88	65%	35%	27	0.003	7	20.73	14
DIABLO 16kV*	Ventura	SAN MIGUEL	3853	35.72	36%	64%	5	0.003	8	4.51	106
NAYLOR 12kV	Foothill	RUBIDOUX	1671	13.09	62%	38%	8	0.003	9	9.01	22
CORSICA 16kV*	Ventura	GONZALES	6503	40.78	35%	65%	5	0.003	10	3.22	255
ELDER 12kV*	Foothill	RIALTO	1854	12.97	59%	41%	6	0.002	11	7.57	28
WINNEBAGO 12kV	Foothill	WEST RIVERSIDE	1318	19.03	68%	32%	8	0.002	12	12.33	19
ROITAN 12kV	Redlands	SHANDIN	2623	32.80	73%	27%	5	0.002	13	6.54	37
CUTHBERT 16kV	Thousand Oaks	LATIGO	2408	41.60	58%	42%	14	0.002	14	17.00	17
KING 16kV*	South Bay	VICTORIA	3929	14.52	56%	44%	3	0.002	15	4.79	84
SAGO 16kV*	South Bay	TORRANCE	4104	20.78	76%	24%	3	0.002	16	3.06	281
YELLOWTAIL 12kV	Huntington Beach	BAYSIDE	4174	29.98	54%	46%	5	0.002	17	3.83	161
TUNGSTEN 12kV	Kernville	ISABELLA	1634	49.66	84%	16%	25	0.002	18	579.47	2
SPEAKER 12kV	Huntington Beach	HAMILTON	4939	33.69	38%	62%	3	0.002	19	3.88	157
THACHER 16kV	Ventura	OJAI	2230	98.50	80%	20%	20	0.002	20	12.68	18
VICASA 16kV*	Thousand Oaks	VALDEZ	2886	51.59	65%	35%	12	0.002	21	7.22	34
WINDJAMMER 16kV*	Ventura	CHANNEL ISLANDS	7721	45.03	52%	48%	4	0.002	22	2.79	339
MIDDLECOFF 12kV	Huntington Beach	LAFAYETTE	2679	20.68	40%	60%	3	0.002	23	5.72	50
SEXTON 16kV*	Ventura	SATICOY	4299	42.42	68%	32%	4	0.002	24	4.63	101
SURFSIDE 16kV*	Ventura	CHANNEL ISLANDS	5705	32.32	38%	62%	1	0.002	25	2.20	557
HOBART 16kV	Compton	FRUITLAND	4247	17.38	84%	16%	3	0.002	26	3.64	180
SODA SPRINGS 12kV*	Tulare	BOXWOOD	1994	145.30	93%	7%	19	0.002	27	823.99	1
RHUMBA 16kV	South Bay	BRIGHTON	4324	16.83	61%	39%	6	0.002	28	4.31	119
CHANNTRY 16kV	Monrovia	ARCADIA	3119	18.61	75%	25%	10	0.002	29	4.65	98
JANUARY 12kV*	Huntington Beach	LAFAYETTE	4214	20.20	7%	93%	1	0.002	30	2.70	362
PIRATE 16kV*	Compton	CUDAHY	4718	21.99	85%	15%	2	0.002	31	5.05	73
CANET 16kV*	Ventura	CASITAS	3949	33.58	66%	34%	3	0.002	32	3.40	229
NORTH SHORE 12kV	Arrowhead	BURNT MILL	2074	26.22	50%	50%	4	0.002	33	5.99	44
HURST 16kV	Santa Barbara	SAN MARCOS	4150	50.86	73%	27%	6	0.002	34	5.17	71
SCHOONER 16kV*	Ventura	CHANNEL ISLANDS	5631	32.89	10%	90%	1	0.002	35	1.35	1079
SALMON 16kV*	South Bay	EL NIDO	4084	20.31	59%	41%	3	0.002	36	2.20	556
JAMESON 16kV	Santa Barbara	SANTA BARBARA	3436	20.38	42%	58%	4	0.002	37	3.39	231
VALLECITO 16kV	Santa Barbara	CARPINTERIA	4314	46.28	49%	51%	5	0.002	38	3.24	252
MORITZ 12kV	Arrowhead	HUSTON	2274	31.07	72%	28%	0	0.002	39	5.04	74
SCOW 12kV	Huntington Beach	BOLSA	4268	26.53	17%	83%	4	0.002	40	4.16	133
CARPOIL 16kV	Santa Barbara	CARPINTERIA	2833	27.68	48%	52%	4	0.002	41	4.62	102
INTREPID 16kV	Thousand Oaks	NEWBURY	3211	33.44	21%	79%	3	0.002	42	4.22	125
BUTANE 16kV	South Bay	SEPULVEDA	5270	19.23	83%	17%	2	0.002	43	3.40	227
PICADOR 16kV	Montebello	MESA	4425	18.03	74%	26%	6	0.002	44	4.73	92
HASKELL 16kV	Monrovia	ARROYO	1563	26.51	55%	45%	20	0.002	45	7.37	31
MENTRY 16kV	Valencia	NEWHALL	2942	26.27	8%	92%	1	0.002	46	3.42	223

(*) Circuits that have appeared in both 2024 and 2025 SAIFI WPC list per D. 16-01-008

(a) Includes sustained and momentary outages that affected the circuit breaker (CB) and/or automatic recloser (AR)

(b) SAIFI is based on a three-year weighted average (61%, 28%, 11%)

(c) Circuit (Ckt) SAIFI is based on a three-year weighted factor (average customer experience on circuit)

(d) Starting 2021, Circuit Miles is obtained using geospatial data moving away from legacy software

SECTION 5b: Deficient WPC Circuits

Table 12 and Table 13 identify the circuits that are the top 1% WPC for SAIDI and SAIFI this year (2025) along with the top 1% WPC circuit for SAIDI and SAIFI identified in the previous year (2024). These tables provide information regarding the requirements of Section 5b of Decision 16-01-008. In addition to the engineering scope identified in the tables, SCE continued to support customers affected by PSPS through customer resiliency measures identified in its Wildfire Mitigation Plan (e.g., battery backup rebates, community resource centers).

Circuit	2025 Sys-SAIDI Rank	2025 Sys SAIDI	2024 Sys-SAIDI Rank	2024 Sys SAIDI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
BIRCHIM 12kV*	3	0.81	43	0.18	Thirteen interruptions, averaging approximately 300,000 Customer Minutes of Interruption (CMI), contributed to the Birchim 12 kV circuit's 2025 reliability deficiency and impacted the majority of customers. Twelve of these interruptions were caused by PSPS-related unplanned de-energization events, while the remaining interruption resulted from weather-related conditions.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
CAMPANULA 25kV*	10	0.41	22	0.24	The Campanula 25 kV circuit's 2025 reliability deficiency was driven by the implementation of red-flag conditions due to adverse weather and dry conditions. These operational restrictions were also applied to the Pinto 33 kV line feeding Nugget Substation, resulting in interruptions on the Campanula 25 kV circuit. Outside of red-flag conditions, the circuit experienced six overhead interruptions that impacted the majority of customers and led to extended restoration times. These interruptions were primarily caused by animal contacts and equipment failures.	11/1/2025	Reconductor 5.3 mi (28,220') of bare conductor to ATW 5 overhead switches 1 automated device 2 remote fault indicators 23 EFDs	2027
FELDSPAR 16kV*	25	0.29	19	0.25	The 2025 interruptions impacting Feldspar 16 kV included two major events that affected all customers, resulting in Customer Minutes of Interruption (CMI) exceeding 700,000. These interruptions were caused by both an underground equipment failure and an overhead equipment failure.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-

Circuit	2025 Sys- SAIDI Rank	2025 Sys SAIDI	2024 Sys- SAIDI Rank	2024 Sys SAIDI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
FERRARA 12kV*	11	0.39	5	0.44	Ferrara 12 kV experienced seven interruptions in 2025, exceeding 100,000 Customer Minutes of Interruption (CMI). Five of these interruptions were driven by unplanned PSPS deactivations, while the remaining two were related to underground (UG) cable failures.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
FLYING D 12kV*	36	0.25	3	0.48	Customers served by the Flying D 12 kV circuit experienced three interruptions in 2025, each exceeding 150,000 Customer Minutes of Interruption (CMI). These events were caused by a 66 kV line interruption, a PSPS-related unplanned de-energization event, and a patrolled outage for which no cause was identified.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
GREEN BEAR 2.4kV*	45	0.21	8	0.34	Customers served by the Green Bear 12 kV circuit experienced six sustained interruptions in 2025, impacting all customers and resulting in an average Customer Minutes of Interruption (CMI) exceeding 180,000. Five of the six interruptions were caused by source side events originating from the 115 kV line. The remaining interruptions affecting all customers fed by Green Bear 12 kV were attributed to an additional PSPS-related de-energization events.	01/08/2025	Green Bear 2.4kV being underground and cutover to Snow Valley 12kV.	2029
JENKS LAKE 12kV*	14	0.37	1	0.80	The Jenks Lake 12 kV circuit experienced two PSPS-related unplanned de-energization events, averaging 450,000 Customer Minutes of Interruption (CMI), which contributed to the circuit's 2025 reliability deficiency.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
LIMITED 12kV*	42	0.21	4	0.45	The Limited 12 kV circuit experienced six PSPS-related unplanned de-energization events that impacted all customers. Additionally, customers were affected by one underground equipment failure, which contributed to the circuit's 2025 reliability deficiency.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
ROBINSON CREEK 12kV*	22	0.30	33	0.19	Four major interruptions contributed to the Robinson Creek 12 kV circuit's 2025 reliability deficiency and impacted the majority of customers. Two interruptions were caused by PSPS-related unplanned de-energization events, while the remaining two resulted from source loss.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-

Circuit	2025 Sys- SAIDI Rank	2025 Sys SAIDI	2024 Sys- SAIDI Rank	2024 Sys SAIDI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
ROWCO 12kV*	24	0.29	6	0.43	Customers served by the Rowco 12 kV circuit experienced thirteen sustained interruptions in 2025, impacting all customers. Five of the thirteen interruptions were caused by source side events originating from the 115 kV line. The remaining interruptions affecting all Rowco 12 kV customers were attributed to an additional PSPS-related de-energization events and SOB 322.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
SAGO 16kV*	44	0.21	14	0.26	Sago 16 kV experienced two interruptions that affected all customers in 2025, resulting in Customer Minutes of Interruption (CMI) exceeding 200,000. The interruptions were caused by an underground equipment failure and a vehicle pole collision.	7/8/2024	Proposed to install/replace the following: Reconductor .15 miles of overhead bare conductor with covered conductor Install 2 overhead switches Install 14 BLFs	2026
SINALOA 16kV*	34	0.25	30	0.21	The Sinaloa 16 kV circuit experienced one major underground equipment interruption that impacted all customers and exceeded 1 million Customer Minutes of Interruption (CMI), contributing to its 2025 reliability performance deficiency.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
SNOW VALLEY 12kV*	19	0.32	2	0.53	Customers served by the Snow Valley 12 kV experienced seven sustained interruptions affecting all customers in 2025. Five of the seven events were caused by source side interruptions originating from the 115 kV line. The remaining two interruptions impacting all Snow Valley 12kV customers were due to additional PSPS-related de-energization events and SOB 322.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
SODA SPRINGS 12kV*	1	1.35	35	0.19	The Soda Springs 12 kV circuit experienced nine interruptions exceeding 100,000 Customer Minutes of Interruption (CMI) in 2025. Three events were caused by overhead equipment failures, three resulted from operational actions under red-flag conditions, and two were weather-related. An additional interruption occurred due to a third-party-directed de-energization associated with the Stairs Fire.	5/1/2026	2 RAR	2027

Circuit	2025 Sys- SAIDI Rank	2025 Sys SAIDI	2024 Sys- SAIDI Rank	2024 Sys SAIDI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
VICASA 16kV*	13	0.38	29	0.21	2025 reliability performance was driven by eight interruptions affecting the majority of customers served by the Vicasa 16 kV circuit. Four of these interruptions were due to PSPS de-energization events, while the remaining four were caused by underground equipment failures and vegetation contact with overhead lines. Additionally, the Vicasa 16 kV circuit was impacted by the Palisades Fire.	09/01/2023 06/06/2024 11/04/2024 04/04/2025 06/06/2024	Multiple Grid Resiliency and Palisades Fire restoration projects are currently in progress to support system reliability improvements.	2026 2027

Table 12: SAIDI Repeat Deficient List

*SCE does not have a quantitative description for its circuit future performance since SCE designs reliability improvements for WPC projects at the system level rather than at the individual circuit level.

**Completion dates may shift due to the availability of planning and construction resources.

Circuit	2025 Sys- SAIFI Rank	2025 Sys SAIFI	2024 Sys- SAIFI Rank	2024 Sys SAIFI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
CAMPANULA 25kV*	1	0.0047	8	0.0026	The Campanula 25 kV circuit's 2025 reliability deficiency was driven by the implementation of red-flag conditions due to adverse weather and dry conditions. These operational restrictions were also applied to the Pinto 33 kV line feeding Nugget Substation, resulting in interruptions on the Campanula 25 kV circuit. Outside of red-flag conditions, the circuit experienced six overhead interruptions that impacted the majority of customers and led to extended restoration times. These interruptions were primarily caused by animal contacts and equipment failures.	11/1/2025	Reconductor 5.3 mi (28,220') of bare conductor to ATW 5 overhead switches 1 automated device 2 remote fault indicators 23 EFDs	2027
CANET 16kV*	32	0.0019	32	0.0016	The Cabinet 16 kV circuit experienced three interruptions in 2025, averaging 300,000 Customer Minutes of Interruption (CMI). Two events were underground equipment failures that impacted all customers, and one event was patrolled; however, no cause could be identified. These events contributed to the circuit's 2025 reliability deficiency.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
CORSICA 16kV*	10	0.0026	7	0.0026	Customers served by Corsica 16 kV experienced two overhead equipment failures in 2025 that impacted all customers on the circuit, contributing to its reliability deficiency.	3/5/2025	Proposed to install/replace the following: 7 remote fault indicators 2 automated devices 1 underground switch	2026
DIABLO 16kV*	8	0.0026	28	0.0017	The 2025 reliability deficiency for customers on Diablo 16 kV was driven by five interruptions that affected all customers served. Two interruptions were caused by underground equipment failures, two by overhead equipment failures, and one resulted from a vehicle hit pole.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-

Circuit	2025 Sys- SAIFI Rank	2025 Sys SAIFI	2024 Sys- SAIFI Rank	2024 Sys SAIFI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
ELDER 12kV*	11	0.0024	43	0.0015	Six of the eight sustained interruptions affecting all customers on the Elder 12 kV circuit in 2025 were caused by source-side issues. Two of these interruptions originated on 33 kV source lines and were attributed to a Mylar balloon and a bird guard that became loose during a windstorm, resulting in a phase-to-phase fault. A third interruption on a 33 kV feeder was patrolled; however, no cause could be identified. Three additional interruptions originated at the Rialto Substation and were attributed to overhead equipment failure and bird-related damage. The remaining two interruptions on the Elder 12 kV circuit were caused by a vehicle-to-pole collision and a patrolled outage for which no cause could be determined.	08/05/2025	Reconductor 2.7 mi of bare conductor to ATW 7 fuse locations 1 overhead switch	2027
JANUARY 12kV*	30	0.0019	5	0.0027	The January 12 kV circuit experienced twelve underground equipment failures in 2025, the majority involving transformers and localized to fuse operations. However, one interruption affected the circuit breaker and impacted the majority of customers. The circuit traverses the congested intersections and structures of the Newport Beach Balboa Peninsula, where pumping is often required to initiate troubleshooting.	3/1/2024	Proposed to install/replace the following: 2 automated devices 8 Eco Pumps Cathodic Protection at 13 locations 6 underground switches	2026
KING 16kV*	15	0.0023	41	0.0016	The average customer served by King 16 kV experienced five interruptions in 2025, contributing to its poor performance. Three of these interruptions were caused by underground equipment failure, overhead equipment failure, and substation equipment failure.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
LOCKSLEY 16kV*	6	0.0028	18	0.0021	The Locksley 16 kV circuit experienced five interruptions in 2025, impacting an average of 3,500 customers. Three interruptions were substation-related, one was caused by overhead equipment failure, and the remaining interruption was vegetation-related.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-

Circuit	2025 Sys- SAIFI Rank	2025 Sys SAIFI	2024 Sys- SAIFI Rank	2024 Sys SAIFI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
MILPAS 16kV*	2	0.0035	3	0.0030	Two underground equipment failures contributed to the Milpas 16 kV reliability deficiency in 2025, and these interruptions impacted all customers being served.	3/5/2025	Proposed to install/replace the following: 15 sets of fuses 5 remote fault indicators 5 automated devices 1 overhead switch 2 underground fault indicators Reconductor .27 miles of overhead bare conductor with covered conductor	2026
PAWNEE 12kV*	5	0.0029	46	0.0015	The Pawnee 12 kV circuit experienced eleven interruptions in 2025 that resulted in a reliability deficiency. Four of these interruptions were caused by a 33 kV source outage associated with a vehicle-to-pole collision, a Mylar balloon contact, and an equipment failure. The remaining interruptions, which impacted all customers on the Pawnee 12 kV circuit, were attributed to two PSPS-related de-energization events, two overhead equipment failures, and three operational events.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
PIRATE 16kV*	31	0.0019	10	0.0024	The Pirate 16 kV circuit's 2025 reliability performance was affected by an overhead equipment failure—possibly caused by a Mylar balloon—that resulted in an interruption impacting all customers.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
SAGO 16kV*	16	0.0023	1	0.0034	Sago 16 kV experienced two interruptions that affected all customers in 2025, resulting in Customer Minutes of Interruption (CMI) exceeding 200,000. The interruptions were caused by an underground equipment failure and a vehicle pole collision.	7/8/2024	Proposed to install/replace the following: Reconductor .15 miles of overhead bare conductor with covered conductor Install 2 overhead switches Install 14 BLFs	2026
SALMON 16kV*	36	0.0018	9	0.0025	The Salmon 16 kV circuit experienced two interruptions in 2025 that resulted in a reliability deficiency and affected the majority of customers. Both interruptions were caused by overhead equipment failures.	11/1/2025	Replace .28 conductor miles (1,500 ckt ft) of UG cable Reconductor 3.28 mi (17,300') of bare conductor with CTW Install 5 EFD(s)	2027

Circuit	2025 Sys- SAIFI Rank	2025 Sys SAIFI	2024 Sys- SAIFI Rank	2024 Sys SAIFI	Explanation of Repeat Deficiency	Submitted	Engineering Scope	Anticipated Completion Year
SCHOONER 16kV*	35	0.0018	21	0.0020	In 2025, customers served by the Schooner 16 kV circuit experienced three interruptions, impacting just over 3,000 customers. One interruption was caused by an overhead equipment failure, while the remaining two were operational.	-	Engineering will continue to monitor and evaluate circuit performance to identify potential additional enhancements (e.g., fuses, fault indicators, automation, etc) to minimize Customer Minutes of Interruption (CMI) and Customer Interruptions (CI).	-
SEXTON 16kV*	24	0.0020	27	0.0017	Sexton 16 kV experienced six PSPS-related unplanned de-energization events, impacting more than 3,000 customers. Additionally, the average customer was affected by three overhead equipment failures and one underground equipment failure, all of which contributed to the circuit's 2025 reliability deficiency.	3/5/2025	Reconductor 1.6 mi (8,450') of bare conductor to ATW. 2 automated device 8 remote fault indicators 10 EFD(s)	2027
SURFSIDE 16kV*	25	0.0020	2	0.0032	Customers served by the Surfside 16 kV circuit experienced an overhead equipment failure that impacted all customers and exceeded 500,000 Customer Minutes of Interruption (CMI), leading to its 2025 reliability deficiency.	3/5/2025 11/5/2025	Proposed to install/replace the following: 3 set of fuses 5 overhead switches Proposed to install/replace the following: 2 remote fault indicators automated device 2 underground switch	2026 2027
VICASA 16kV*	21	0.0020	36	0.0016	2025 reliability performance was driven by eight interruptions affecting the majority of customers served by the Vicasa 16 kV circuit. Four of these interruptions were due to PSPS de-energization events, while the remaining four were caused by underground equipment failures and vegetation contact with overhead lines. Additionally, the Vicasa 16 kV circuit was impacted by the Palisades Fire.	09/01/2023 06/06/2024 11/04/2024 04/04/2025 06/06/2024	Multiple Grid Resiliency and Palisades Fire restoration projects are currently in progress to support system reliability improvements.	2026 2027
WINDJAMMER 16kV*	22	0.0020	22	0.0019	The Windjammer 16 kV circuit experienced three interruptions in 2025, impacting an average of 6,000 customers. One interruption was caused by an overhead equipment failure, while the remaining two were operational and wind-related.	3/5/2025	Proposed the following: Install 7 remote fault indicators Install 3 fault indicators	2026

Table 13: SAIFI Repeat Deficient List

*SCE does not have a quantitative description for its circuit future performance since SCE designs reliability improvements for WPC projects at the system level rather than at the individual circuit level.

**Completion dates may shift due to the availability of planning and construction resources.

SECTION 5c: WPC Evaluation

WPC projects are initiated using three years of system outage data which are weighted then ranked. The top 1% circuits are assigned to the area Distribution Engineer to evaluate.

The WPC evaluation begins with the review of outages exceeding thresholds of either 100,000 Customer Minutes of Interruption (CMI) or 1,100 Customers Interrupted (CI). These thresholds were used to identify the severity of the outage and target specific areas with reliability concerns. Outage logs and repair orders were used as part of the outage evaluation and provide additional details such as switching procedures and operational obstacles such as access to structures to operate equipment. After the outages had been evaluated, Engineering determines the WPC project scope.

SCE engineers develop circuit specific plans balancing reliability improvements and costs. Adding isolation devices such as branch line fuses (BLFs) help to reduce the number of customers impacted in the event of an outage. Adding fault indicators (FIs) to the circuitry helps speed up locating the fault and thus shortens the outage restoration times. BLFs and FIs are relatively low-cost options. Adding automation devices to detect and isolate faults are effective reliability improvement measures. These solutions incur more costs and take longer to deploy compared to BLFs and FIs, but do not require infrastructure replacement. If the equipment of the circuits is aged or in poor health, engineers develop hardening and infrastructure replacement projects such as overhead conductor or cable replacements.

SECTION 5d: CEMI and CELID Considerations

Customers, stakeholders, and SCE are also focused on evaluating customer-centric reliability indices. As such, SCE is evaluating CEMI and CELID indices to help identify and address specific reliability issues and customer impacts resulting from unplanned outages.

SAIDI and SAIFI WPC methodologies apply a weighted approach in which the most recent year of unplanned outage performance is assigned a 61% weight, while the two preceding years receive 28% and 11%, respectively. These weighted values are aggregated at the circuit level and ranked from highest to lowest.

A similar approach is used to identify CEMI and CELID WPC circuits; however, the weighting of the most recent year is assigned a 61% weight, while the two preceding years receive 28% and 11% respectively, is applied to individual customers' unplanned outage experiences rather than circuit-level metrics. The customer(s) with the highest weighted interruption experience determines the representative value for each circuit. Circuits are then ranked from highest to lowest, and the top 46 circuits for each of the CEMI and CELID indices are designated as CEMI and CELID WPC, respectively.

Table 14 and Table 15 identify the circuits that are the top 1% WPC for CEMI and CELID this year. To adhere to customer confidentiality per the CPUC 15/15 rule, the CEMI and CELID values are not published in this report.

Table 14: Top 1% WPC Based on CEMI (Excluding MEDs)

Name	District	Substation	2025 Circuit Customers	2025 Circuit Miles	2025 %OH	2025 %UG	CEMI Rank
BIRCHIM 12kV	Bishop	MT. TOM	584	54.84	94%	6%	1
CAMPANULA 25kV	Yucca Valley	NUGGET	2108	138.22	92%	8%	2
HASKELL 16kV	Monrovia	ARROYO	1563	26.51	55%	45%	3
WINNEBAGO 12kV	Foothill	WEST RIVERSIDE	1318	19.03	68%	32%	4
PICKLE MEADOWS 16kV	Bishop	BRIDGEPORT	67	26.85	96%	4%	5
TUNGSTEN 12kV	Kernville	ISABELLA	1634	49.66	84%	16%	6
FAYE 12kV	Kernville	WELDON	742	35.35	86%	14%	7
GALAHAD 16kV	Thousand Oaks	LATIGO	2221	81.88	65%	35%	8
TEJON 12kV	Antelope Valley	NEENACH	484	94.15	83%	17%	9
SODA SPRINGS 12kV	Tulare	BOXWOOD	1994	145.30	93%	7%	10
CANEBRAKE 12kV	Kernville	WELDON	787	73.33	90%	10%	11
CALSTATE 12kV	Redlands	SHANDIN	760	13.84	25%	75%	12
PAWNEE 12kV	Menifee	GAVILAN	2403	90.77	84%	16%	13
LARCH 33kV	Foothill	CALECTRIC	13	21.62	78%	22%	14
ELDER 12kV	Foothill	RIALTO	1854	12.97	59%	41%	15
DANBY 16kV	Yucca Valley	CAMINO	96	87.88	99%	1%	16
TUFA 16kV	Bishop	LUNDY	115	28.87	99%	1%	17
CUTHBERT 16kV	Thousand Oaks	LATIGO	2408	41.60	58%	42%	18
STROSNIDER 16kV	Bishop	BRIDGEPORT	438	14.45	90%	10%	19
NAYLOR 12kV	Foothill	RUBIDOUX	1671	13.09	62%	38%	20
CUYAMA 12kV	Antelope Valley	TAFT	106	37.58	98%	2%	21
SNOW VALLEY 12kV	Arrowhead	RUNNING SPRINGS	1121	23.74	90%	10%	22
BADWATER 12kV	Ridgecrest	BADWATER P.T.	112	10.00	44%	56%	23
BONANZA 12kV	Kernville	KERNVILLE	1278	39.90	94%	6%	24
VERDUGO 16kV	Monrovia	LA CANADA	3021	42.85	89%	11%	25
THACHER 16kV	Ventura	OJAI	2230	98.50	80%	20%	26
KING 16kV	South Bay	VICTORIA	3929	14.52	56%	44%	27
ALPINE 2.4kV	Arrowhead	ALPINE P.T.	708	9.60	93%	7%	28
GALILEO 12kV	Ridgecrest	GALILEO P.T.	33	23.80	17%	83%	29
ROWCO 12kV	Arrowhead	RUNNING SPRINGS	1582	18.28	86%	14%	30
PAYNE 16kV	Monrovia	BRADBURY	2258	23.35	65%	35%	31
ROSEWOOD 4kV	Foothill	RIALTO	316	2.97	77%	23%	32
NORTHPARK 12kV	Redlands	SHANDIN	2242	48.00	74%	26%	33
LOPER 4kV	Foothill	RIALTO	470	4.30	100%	0%	34
DREYER 12kV	Santa Ana	BRYAN	1489	23.37	61%	39%	35
BLUE CUT 12kV	Foothill	BLUE CUT P.T.	302	40.70	96%	4%	36
YANKEE 2.4kV	Kernville	YANKEE P.T.	3	1.37	0%	100%	37
INTAKE 12kV	Kernville	KERNVILLE	310	27.61	98%	2%	38
TAGGERT 12kV	Arrowhead	RUNNING SPRINGS	717	10.94	98%	2%	39
HEAPS PEAK 33kV	Arrowhead	BURNT MILL	446	9.07	100%	0%	40
ROBINSON CREEK 12kV	Bishop	BRIDGEPORT	229	17.34	93%	7%	41
SPETH 12kV	High Desert	HINKLEY	279	30.64	100%	0%	42
NORTH SHORE 12kV	Arrowhead	BURNT MILL	2074	26.22	50%	50%	43
DALBA 2.4kV	Arrowhead	DALBA P.T.	594	8.05	98%	2%	44
BLACKFOOT 12kV	Menifee	GAVILAN	1252	20.02	66%	34%	45
CACHUMA 16kV	Santa Barbara	VEGAS	2533	69.28	83%	17%	46

Table 15: Top 1% WPC Based on CELID (Excluding MEDs)

Name	District	Substation	2025 Circuit Customers	2025 Circuit Miles	2025 %OH	2025 %UG	CELID Rank
FERRARA 12kV	Ontario	PADUA	1804	41.80	50%	50%	1
JARVIS 12kV	Covina	DALTON	970	53.05	94%	6%	2
TUBA 16kV	Valencia	ELIZABETH LAKE	1166	30.53	32%	68%	3
ROBIN 12kV	High Desert	WRIGHTWOOD	182	22.93	62%	38%	4
LAMANDA 16kV	Monrovia	EATON	1133	18.88	82%	18%	5
RHINEDOLLAR 12kV	Bishop	POOLE	29	24.80	7%	93%	6
TEE VEE 12kV	Kernville	HAVILAH	7	6.39	87%	13%	7
SNOW VALLEY 12kV	Arrowhead	RUNNING SPRINGS	1121	23.74	90%	10%	8
ACOSTA 12kV	Foothill	RANDALL	2342	39.64	24%	76%	9
ERSKINE 12kV	Kernville	ISABELLA	2246	55.27	98%	2%	10
BEAR VALLEY 33kV	Redlands	ZANJA	43	21.08	98%	2%	11
RED BOX 16kV	Monrovia	RED BOX P.T.	27	18.59	99%	1%	12
JENKS LAKE 12kV	Redlands	CONVERSE FLATS	119	14.67	98%	2%	13
WEESHA 2.4kV	Redlands	WEESHA P.T.	54	3.72	100%	0%	14
MARSH 12kV	Tulare	EARLIMART	538	35.81	93%	7%	15
FELDSPAR 16kV	South Bay	CREST	2563	50.31	42%	58%	16
RUSTIC 12kV	Saddleback	ONEILL	3087	44.47	43%	57%	17
AUTUMN 12kV	Bishop	SKILAND	2247	28.30	23%	77%	18
FLYING D 12kV	Kernville	HAVILAH	333	62.15	94%	6%	19
CARATAN 12kV	Tulare	VESTAL	100	41.74	99%	1%	20
LIMITED 12kV	Wildomar	ELSINORE	2133	40.12	57%	43%	21
TRUMPET 16kV	Valencia	ELIZABETH LAKE	2509	51.68	59%	41%	22
SHOVEL 12kV	Antelope Valley	ACTON	725	56.20	85%	15%	23
CURTIS 12kV	Tulare	GOSHEN	370	44.99	97%	3%	24
PICKLE MEADOWS 16kV	Bishop	BRIDGEPORT	67	26.85	96%	4%	25
FALLS 2.4kV	Bishop	FALLS P.T.	13	0.16	100%	0%	26
ROEDING 12kV	Tulare	VENIDA	831	66.26	88%	12%	27
VIDEO 16kV	Monrovia	EATON	416	17.21	69%	31%	28
TANAGER 12kV	Tehachapi	BANDUCCI	1706	67.76	91%	9%	29
SAND CANYON 16kV	Valencia	SOLEMINT	2207	68.75	41%	59%	30
BUCKHORN 16kV	Ventura	FILLMORE	2791	68.85	89%	11%	31
HUCKLEBERRY 12kV	Antelope Valley	RITTER RANCH	173	26.69	94%	6%	32
EIGHTEENTH 12kV	Blythe	RIPLEY	208	36.07	98%	2%	33
PAWLEY 12kV	Tulare	THREE RIVERS	1135	61.44	94%	6%	34
POULTRY 12kV	Redlands	YUCAIPA	2251	34.27	66%	34%	35
DYSART 12kV	Redlands	DYSART P.T.	72	12.01	91%	9%	36
LAVA 12kV	Yucca Valley	AMBOY	41	23.95	99%	1%	37
OPAL 4kV	South Bay	REDONDO	797	3.68	79%	21%	38
KINSEY 12kV	Antelope Valley	GORMAN	111	48.99	80%	20%	39
MAYO 16kV	Compton	BULLIS	1514	8.28	41%	59%	40
VERDUGO 16kV	Monrovia	LA CANADA	3021	42.85	89%	11%	41
REVERSE PEAK 12kV	Bishop	JUNE LAKE	518	29.15	73%	27%	42
GRAPEVINE PEAK 2.4kV	Antelope Valley	GRAPEVINE PEAK P.T.	1	0.04	100%	0%	43
TWIN PEAKS 33kV	Arrowhead	BURNT MILL	1186	10.00	84%	16%	44
MATILJA 16kV	Ventura	OJAI	1964	24.75	79%	21%	45
ROBINSON CREEK 12kV	Bishop	BRIDGEPORT	229	17.34	93%	7%	46

SECTION 6: Top 10 Major Unplanned Power Outages within 2025

This section contains the top 10 unplanned outages based on SAIDI for 2025. The location, cause, and SAIDI can be found for each outage.

Rank	System Outage ID	Date	Switching Center	Cause Description	SAIDI
1	454450	1/8/2025	MESA/EL NIDO	LOST SOURCE SUBSTATION	19.87
2	455853	1/7/2025	MESA	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	11.99
3	452598	1/14/2025	VISTA	PUB. SAFETY POWER SHUTDOWN SOURCE DISTRIBUTION LINE	11.05
4	455851	1/7/2025	MESA	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	10.39
5	455281	1/9/2025	VISTA	NO CAUSE FOUND UNKNOWN PATROLLED	10.23
6	455933	1/7/2025	VENTURA	OTHER-SEE NOTES STANDARD OPERATION OPERATOR/CREW	8.65
7	455854	1/7/2025	MESA	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	7.61
8	455549	1/7/2025	MESA	NO CAUSE FOUND UNKNOWN PATROLLED	7.29
9	455860	1/7/2025	MESA	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	7.04
10	455857	1/7/2025	MESA	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	4.12

Table 16: Top 10 Unplanned Outages for 2025 (SAIDI)

SECTION 7: Summary List of Major Event Days

This section contains all the MEDs for 2025 along with the number of customers without service for specific intervals, the cause(s), and location.

Outage Date	Region Location	Cause	Number of Customers Impacted for Each Duration Period													Grand Total
			0 to 1 hour	1 to 5 hours	5 to 10 hours	10 to 15 hours	15 to 20 hours	20 to 24 hours	1 to 2 days	2 to 3 days	3 to 4 days	4 to 5 days	5 to 6 days	6 to 7 days	> = 7 days	
1/7/2025	Metro East	Weather and PSPS	380,461	131,697	22,453	12,848	23,835	12,966	51,329	62,121	13,782	942	53	734	17,951	731,172
1/8/2025	Metro East and North Coast	PSPS	266,938	71,849	19,789	9,898	18,285	13,464	67,271	70,967	4,646	2,083	8	49	2,633	547,880
1/9/2025	San Jacinto and Rurals	PSPS	23,332	60,862	19,122	25,852	18,314	2,230	56,800	29	0	0	0	0	0	206,541
1/10/2025	San Jacinto	PSPS	42,835	12,740	2,034	8,279	3,588	129	1,013	482	0	0	0	0	0	71,100
1/11/2025	Desert	PSPS	19,683	1,919	308	2,729	5,318	2,380	566	4,251	219	2,943	6	0	0	40,322
1/12/2025	North Coast	PSPS	41,416	5,694	4,295	8,055	2,447	1,274	114	4,029	965	0	0	0	0	68,289
1/13/2025	North Coast	PSPS	44,989	5,775	3,186	2,764	101	668	18,518	14,895	543	2	0	0	0	91,441
1/14/2025	Rurals	PSPS	10,446	7,171	3,992	498	971	480	37,546	16	0	21	0	0	0	61,141
1/15/2025	North Coast	PSPS	74,723	28,996	20,558	15,405	3,401	1,762	3,495	306	0	0	0	0	0	148,646
1/16/2025	North Coast	Operations	9,454	2,820	1,313	89	0	1	380	0	0	0	0	0	543	14,600
1/17/2025	Metro East	Operations and Weather	29,316	6,087	2,371	23	16	649	165	148	39	624	330	151	2,154	42,073
1/20/2025	San Jacinto	PSPS	105,217	23,849	6,264	4,769	17,220	14,225	9,007	1	113	273	3	0	0	180,941
1/21/2025	North Coast and San Jacinto	PSPS	18,126	3,047	10,630	15,919	1,933	1	2,340	125	97	1	0	0	0	52,219
1/22/2025	Desert	PSPS	14,196	8,842	2,262	14	39	1,448	16,651	2,104	0	64	0	0	17	45,637
1/23/2025	North Coast	PSPS	74,316	12,071	26,591	17,590	23,258	5,984	15,943	0	0	0	0	0	0	175,753
6/28/2025	Rurals	Weather	33,911	7,193	11,726	11,778	1,414	7	18	0	0	0	0	0	0	66,047
8/5/2025	Rurals	Transmission	35,189	23,584	22,987	10,404	30	7	63	0	0	0	0	0	0	92,264
8/21/2025	North Coast	Transmission	28,868	35,234	15,622	278	12	0	34	0	0	0	0	0	0	80,048
8/23/2025	Rurals and Desert	No Cause Found and Weather	23,405	36,170	11,251	670	47	15	162	0	0	0	0	0	0	71,720
11/15/2025	Metro West	Equipment Failure	134,332	62,882	2,910	733	1,080	174	392	1	20	0	0	0	0	202,524
12/24/2025	Rurals and North Coast	3rd Party and Equipment Failure	217,912	45,921	19,997	4,097	1,168	474	2,037	2,980	4	38	6	17	0	294,651

Table 17: Summary List of MEDs for 2025

SECTION 8: Historical 10 Largest Unplanned Outage Events in the Last 10 Years

This section contains the 10 largest unplanned outage events based on SAIDI for each year from 2016-2025.

Rank	Cause Description	System Outage ID	Date	SAIDI	Switching Center
2025					
1	LOST SOURCE SUBSTATION	454450	1/8/2025	19.87	MESA/EL NIDO
2	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	455853	1/7/2025	11.99	MESA
3	PUB. SAFETY POWER SHUTDOWN SOURCE DISTRIBUTION LINE	452598	1/14/2025	11.05	VISTA
4	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	455851	1/7/2025	10.39	MESA
5	NO CAUSE FOUND UNKNOWN PATROLLED	455281	1/9/2025	10.23	VISTA
6	OTHER-SEE NOTES STANDARD OPERATION OPERATOR/CREW	455933	1/7/2025	8.65	VENTURA
7	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	455854	1/7/2025	7.61	MESA
8	NO CAUSE FOUND UNKNOWN PATROLLED	455549	1/7/2025	7.29	MESA
9	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	455860	1/7/2025	7.04	MESA
10	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	455857	1/7/2025	4.12	MESA
2024					
1	LOST SOURCE SUBSTATION	451668	12/24/2024	4.59	LIGHTHIPE
2	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	451004	12/9/2024	1.61	VENTURA
3	NO CAUSE FOUND UNKNOWN PATROLLED	449958	11/6/2024	1.46	VENTURA
4	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	447558	9/29/2024	1.24	VISTA
5	LOST SOURCE SUBSTATION	436870	3/30/2024	1.16	VINCENT
6	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	450865	12/9/2024	1.10	VENTURA
7	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	449426	11/6/2024	1.10	MESA
8	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	449174	11/6/2024	1.10	VISTA
9	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	449259	11/6/2024	1.04	VENTURA
10	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	449443	11/6/2024	1.03	VINCENT
2023					
1	OTHER-SEE NOTES STRUCTURE POLE	415936	2/28/2023	1.41	LUGO
2	TOPPLED/BROKEN STRUCTURE POLE	431080	8/20/2023	1.32	VISTA
3	FOREIGN MATERIAL SUBSTATION EQUIPMENT BUS/CONDUCTOR	412386	1/23/2023	1.10	ORANGE COUNTY
4	UNKNOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	426494	8/20/2023	1.03	DEVERS
5	TOPPLED/BROKEN STRUCTURE POLE	418022	3/10/2023	0.54	RECTOR
6	TOPPLED/BROKEN STRUCTURE POLE	419067	4/3/2023	0.52	LUGO
7	OPEN FOR REPAIRS STANDARD OPERATION OPERATOR/CREW	423826	7/16/2023	0.49	VISTA
8	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	415938	2/28/2023	0.48	VISTA
9	NO CAUSE FOUND UNKNOWN PATROLLED	418396	2/27/2023	0.47	LUGO
10	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	430913	12/9/2023	0.47	VENTURA
2022					
1	UNKNOWN OVERHEAD EQUIPMENT SPICE/CONNECTOR/TAP	392533	1/22/2022	1.03	MIRA LOMA
2	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	405076	8/15/2022	0.95	RECTOR
3	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	391947	1/21/2022	0.81	MESA
4	OPEN FOR REPAIRS STANDARD OPERATION OPERATOR/CREW	400741	6/16/2022	0.72	LUGO
5	LIGHTNING OVERHEAD EQUIPMENT FUSE/BLF/CUTOUT	400713	6/22/2022	0.63	VINCENT
6	OTHER-SEE NOTES SUBSTATION EQUIPMENT CIRCUIT BREAKER	403187	7/19/2022	0.58	EL NIDO
7	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	392509	1/21/2022	0.56	MIRA LOMA
8	OTHER-SEE NOTES STRUCTURE POLE	403999	8/8/2022	0.56	ELDORADO
9	WIND OVERHEAD EQUIPMENT CONDUCTOR/WIRE	392236	1/21/2022	0.55	MIRA LOMA
10	WIND OVERHEAD EQUIPMENT CONDUCTOR/WIRE	392495	1/21/2022	0.55	MIRA LOMA

Rank	Cause Description	System Outage ID	Date	SAIDI	Switching Center
2021					
1	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	383108	8/20/2021	1.80	RECTOR
2	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	388053	11/24/2021	1.46	VENTURA
3	UNKNOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	390687	12/29/2021	1.45	VISTA
4	UNKNOWN SUBSTATION EQUIPMENT BUS/CONDUCTOR	382392	8/9/2021	1.26	ORANGE COUNTY
5	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	390712	12/29/2021	1.26	VISTA
6	VEGETATION BLOWN SUBSTATION EQUIPMENT DISCONNECT	369669	1/19/2021	1.16	VINCENT
7	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	369889	1/19/2021	1.09	VENTURA
8	NO CAUSE FOUND UNKNOWN PATROLLED	369414	1/19/2021	1.09	VINCENT
9	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	369394	1/19/2021	1.06	VENTURA
10	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	388252	11/25/2021	1.02	VISTA
2020					
1	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	368680	9/5/2020	16.14	RECTOR
2	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	366672	9/9/2020	3.30	VISTA
3	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	368697	9/13/2020	1.91	RECTOR
4	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	367130	12/7/2020	1.88	VALLEY
5	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	366833	12/7/2020	1.80	VINCENT
6	FIRE STRUCTURE POLE	366519	9/5/2020	1.65	RECTOR
7	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	362801	9/14/2020	1.48	RECTOR
8	DE-ENERGIZE FOR PUB. AGENCY PUB. SAFETY SWITCH/DISCONNECT/AR	364540	9/10/2020	1.31	VISTA
9	REMEDIAL ACTION SCHEME STANDARD OPERATION OPERATOR/CREW	367731	12/13/2020	1.30	MIRA LOMA
10	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	366862	12/7/2020	1.27	VINCENT
2019					
1	LOST SOURCE SUBSTATION	336358	8/2/2019	4.62	ORANGE COUNTY
2	LOST SOURCE SUBSTATION	338863	9/16/2019	2.29	CONTROL
3	WIND OVERHEAD EQUIPMENT CONDUCTOR/WIRE	344450	12/26/2019	2.20	VISTA
4	NO CAUSE FOUND UNKNOWN PATROLLED	342810	11/28/2019	1.64	VISTA
5	UNKNOWN TRANSMISSION EQUIPMENT CONDUCTOR	339320	10/5/2019	1.61	CONTROL
6	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	340707	10/30/2019	1.42	VISTA
7	LOST SOURCE SUBSTATION	344416	12/26/2019	1.29	VISTA
8	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	340669	10/30/2019	1.20	VINCENT
9	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	340627	10/30/2019	1.10	VINCENT
10	PUB. SAFETY POWER SHUTDOWN PUB. SAFETY SWITCH/DISCONNECT/AR	340690	10/30/2019	1.05	VISTA
2018					
1	LOST SOURCE SUBSTATION	320389	11/13/2018	7.58	VENTURA
2	FIRE STRUCTURE POLE	320287	11/12/2018	4.16	VENTURA
3	PUBLIC AGENCY DENIED ACCESS POLE	320225	11/9/2018	3.70	VENTURA
4	LOST SOURCE SUBSTATION	320091	11/11/2018	2.74	VENTURA
5	LOST SOURCE SUBSTATION	320324	11/15/2018	2.46	VENTURA
6	PUBLIC AGENCY DENIED ACCESS POLE	320390	11/9/2018	2.42	VENTURA
7	OPEN FOR REPAIRS STANDARD OPERATION OPERATOR/CREW	313579	7/25/2018	2.20	VALLEY
8	LOST SOURCE SUBSTATION	319319	11/9/2018	2.06	VENTURA
9	LOST SOURCE DISTRIBUTION LINE	318316	10/15/2018	1.31	VALLEY
10	LOST SOURCE SUBSTATION	319972	11/9/2018	0.93	VENTURA

Rank	Cause Description	System Outage ID	Date	SAIDI	Switching Center
2017					
1	LOST SOURCE SUBSTATION	303349	12/4/2017	5.00	VENTURA
2	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	298030	8/29/2017	3.02	RECTOR
3	FIRE STRUCTURE POLE	303217	12/4/2017	2.26	VENTURA
4	TOPPLED/BROKEN STRUCTURE POLE	286230	1/22/2017	2.05	RECTOR
5	FIRE STRUCTURE POLE	303315	12/5/2017	1.85	VENTURA
6	FIRE TRANSMISSION EQUIPMENT CONDUCTOR	303350	12/4/2017	1.45	VENTURA
7	LOST SOURCE SUBSTATION	301515	12/7/2017	0.92	VALLEY
8	FIRE TRANSMISSION EQUIPMENT CONDUCTOR	302696	12/10/2017	0.90	VENTURA
9	BALLOON OVERHEAD EQUIPMENT POTHEAD	290334	4/30/2017	0.74	VISTA
10	LOST SOURCE SUBSTATION	302693	12/4/2017	0.62	VENTURA
2016					
1	OPEN FOR REPAIRS STANDARD OPERATION OPERATOR/CREW	272685	4/29/2016	1.51	VALLEY
2	OPEN FOR REPAIRS STANDARD OPERATION OPERATOR/CREW	278786	8/19/2016	1.30	RECTOR
3	FIRE STRUCTURE POLE	276042	6/23/2016	1.17	RECTOR
4	VEGETATION BLOWN OVERHEAD EQUIPMENT CONDUCTOR/WIRE	267639	1/7/2016	0.98	VISTA
5	OVERLOAD/FATIGUE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	275066	6/20/2016	0.93	LIGHTHIPE
6	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	276005	6/23/2016	0.88	RECTOR
7	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	276561	6/23/2016	0.84	RECTOR
8	FIRE OVERHEAD EQUIPMENT CONDUCTOR/WIRE	275884	6/23/2016	0.83	RECTOR
9	SUBSTATION MAINTENANCE ERROR DURING ROUTINE WORK	280501	10/11/2016	0.69	EL NIDO
10	BALLOON OVERHEAD EQUIPMENT CONDUCTOR/WIRE	269108	2/15/2016	0.64	EL NIDO

Table 18: Historical Top 10 Outages from 2016 to 2025 (SAIDI)

SECTION 9: Number of Customers Inquiries on Reliability Data

In 2025, SCE received a total of 49 customer inquiries relating to circuit outage history or reliability data. SCE responded to 18% of the inquiries within 7 business days, 57% of the inquiries between 8 to 15 business days, and 25% of the inquiries in a time frame greater than 15 business days.

APPENDIX A: Definitions

Outages are defined as an interruption to electric services. The type of outages falls in 4 different categories:

1. Unplanned outages: Unplanned outages are also known as repair outages. These outages occur without warning or notification of interruption of service.
 - a. Sustained Outages: Sustained outage is a subcategory of unplanned outages where the outage duration is equal to or greater than 5 minutes.
 - b. Momentary Outages: Momentary outage is a subcategory of unplanned outages where the outage duration is less than 5 minutes.
2. Planned outages: Planned outages are also known as maintenance outages. Maintenance outages would occur with notifications prior to interruption of service.
3. Public Safety Power Shutoff (PSPS): An operational protocol that is implemented under extreme weather conditions to minimize the threat of wildfires and keep communities safe from potentially dangerous situations. These types of sustained outages are temporary and usually involve situations where high-fire areas are experiencing adverse weather combined with dangerous vegetation conditions and public safety is at risk.
4. Major Event Day (MED): A day in which the daily system SAIDI exceeds the threshold value of T_{MED} . For purposes of calculating daily system SAIDI, any interruption that spans multiple calendar days is accrued to the day on which the interruption began. Statistically, days having a daily system SAIDI greater than a threshold value are days on which the energy delivery system experienced stresses beyond that normally expected (such as severe weather). Events are excluded based on the "2.5 beta method." Per *IEEE Standard 1366*, days are excluded from a given year's indices if their SAIDI exceeds 2.5 times the standard deviation of the natural logarithm of daily SAIDI over the previous five-year period.
 - a. T_{MED} : The calculated threshold value used to determine a Major Event Day. SCE's T_{MED} value is calculated at the beginning of each year using SCE's daily SAIDI values for the prior 5 years. SCE's T_{MED} value for 2025 was 2.04 minutes.

SAIDI: The System Average Interruption Duration Index is the amount of time on average a customer was without power in a year due to sustained interruptions (measured in minutes per customer).

$$SAIDI = \frac{\text{sum of all sustained customer interruption durations}}{\text{total number of customer served}}$$

SAIFI: The System Average Interruption Frequency Index is the number of times an average customer was without power in a year due to service interruptions lasting more than 5 minutes (measured in interruptions per customer).

$$\text{SAIFI} = \frac{\text{sum of total quantity of sustained customer interruptions}}{\text{total number of customer served}}$$

MAIFI: The Momentary Average Interruption Frequency Index is the number of times an average customer was without power in a year due to service interruptions lasting 5 minutes or less (measured in interruptions per customer). SCE calculates MAIFI at the individual outage event.

$$\text{MAIFI} = \frac{\text{sum of total quantity of momentary customer interruptions}}{\text{total number of customer served}}$$

CAIDI: The Customer Average Interruption Duration Index is the average time required to restore service for a sustained outage.

$$\text{CAIDI} = \frac{\text{sum of all sustained customer interruption durations}}{\text{sum of total quantity of sustained customer interruptions}}$$

Circuit SAIFI: The number of times an average customer was without power in a year due to service interruptions lasting more than 5 minutes (measured in interruptions per customer). Circuit reliability indices are calculated using the average number of customers on that circuit as the number of total customers served for that specific circuit.

$$\text{Circuit SAIFI} = \frac{\text{sum of total quantity of sustained customer interruptions}}{\text{average number of customers on a circuit}}$$

Circuit SAIDI: The amount of time on average a customer was without power in a year due to sustained interruptions (measured in minutes per customer). Circuit reliability indices are calculated using the average number of customers on that circuit as the number of total customers served for that specific circuit.

$$\text{Circuit SAIDI} = \frac{\text{sum of all sustained customer interruption durations}}{\text{average number of customers on a circuit}}$$

Circuit MAIFI: The Momentary Average Interruption Frequency Index is the number of times an average customer was without power in a year due to service interruptions lasting 5 minutes or less (measured in interruptions per customer). SCE calculates MAIFI at the individual outage event. Circuit reliability indices are calculated using the average number of customers on that circuit as the number of total customers served for that specific circuit.

$$\text{Circuit MAIFI} = \frac{\text{sum of total quantity of momentary customer interruptions}}{\text{average number of customers on a circuit}}$$

Circuit CAIDI: The average time required to restore service for a sustained outage for that circuit.

$$\text{Circuit CAIDI} = \frac{\text{sum of all sustained customer interruption durations}}{\text{sum of total quantity of sustained customer interruptions}}$$

CEMI (n): The Customers Experiencing Multiple Interruptions Index indicates the ratio of individual customers experiencing n , or more sustained interruptions to the total number of customers served.

$$\text{CEMI (n)} = \frac{\text{total number of customers experienced } n \text{ or more sustained interruptions}}{\text{total number of customer served}}$$

$$\text{CEMI} = \text{total number of sustained interruptions a customer experienced}$$

CELID (n): The Customers Experiencing Long Interruptions Duration Index indicates the ratio of individual customers experiencing interruptions with the durations longer than or equal to n time (hours) for the duration of a single interruption (n) that a customer has been interrupted during the reporting calendar year.

$$\text{CELID (n)} = \frac{\text{total number of customers experienced } n \text{ or more hours duration}}{\text{total number of customer served}}$$

$$\text{CELID} = \text{the longest duration a customer experienced from a single interruption (hours)}$$