



Circuit Reliability Review

Kern District 2

January 2017

Providing Safe, Reliable, and Affordable Power

Southern California Edison is modernizing the power grid to meet the changing needs and expectations of our customers and to help California achieve its clean energy goals.

We are investing more than \$12 billion into our power grid between 2015 – 2017 with the goal of increasing power reliability through significant upgrades. These investments include:

- Updating thousands of transmission and distribution poles
- Replacing hundreds of miles of underground cables
- Replacing hundreds of underground structures such as vaults and manholes
- Upgrading critical distribution equipment; capacitor banks, switches, and circuit breakers
- Building new distribution circuits to serve electrical demands in our communities
- Inspecting and replacing overhead conductor and equipment to improve public safety

Our investments in local communities will help ensure that customers receive safe, reliable, and affordable electricity now and in the future.

Understanding Your Reliability Report

As your electric utility, we want you to always have power when you need it. To get there, we constantly track and monitor electric outages across our service territory, and we measure our “system reliability” from this data.

The two metrics we rely on are common in the electric utility industry: the System Average Interruption Duration Index (SAIDI) and the System Average Interruption Frequency Index (SAIFI). Both are described in more detail on the next page.

Replacing and upgrading our infrastructure will help SCE maintain or improve SAIDI and SAIFI measurements.

This report provides historical reliability data for the circuits that serve your jurisdiction and our proposed infrastructure upgrades for the current year.

To view other reliability reports, visit [sce.com>Outage Center>Maintaining Reliable Service](https://sce.com/Outage-Center/Maintaining-Reliable-Service)

Reliability Metrics

MOMENTARY OUTAGES:

OUTAGES LASTING 5 MINUTES OR LESS

MAIFI:

- The number of times the average customer is interrupted by Momentary outages each year.

SUSTAINED OUTAGES:

OUTAGES LASTING LONGER THAN 5 MINUTES

SAIFI:

- The number of times the average customer is interrupted by Sustained outages each year.

SAIDI:

- The cumulative amount of time the average customer is interrupted by Sustained outages each year.

Cities in the Kernville District

Bakersfield

Bodfish

Glennville

Kernville

Kern County

Lake Isabella

Mountain Mesa

Onyx

Squirrel Mountain Valley

Weldon

Wofford Heights

Reliability by SCE District (No Exclusions)

District Name	2012				2013				2014				2015				2016			
	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking
ANTELOPE VALLEY	78.60	28	0.56	31	94.42	22	0.62	31	51.05	35	0.59	34	104.34	22	0.68	30	107.67	24	0.87	29
ARROWHEAD	129.58	13	1.31	7	180.59	7	1.39	8	193.25	5	1.59	5	362.61	4	3.97	1	659.46	3	2.85	5
BARSTOW	184.80	7	1.15	12	204.33	6	1.40	7	201.53	4	1.34	10	187.11	8	1.17	12	134.83	18	1.35	9
BIG CREEK	1184.25	1	4.52	1	176.51	8	3.08	1	920.25	1	1.34	11	422.77	2	3.42	2	1062.01	2	4.99	1
BISHOP	463.09	2	1.25	9	104.44	17	0.51	35	118.79	17	0.59	35	298.11	6	2.22	4	168.59	8	1.22	14
BLYTHE	225.88	6	1.53	3	483.13	1	1.38	9	707.54	2	2.42	2	427.00	1	1.52	7	396.38	5	2.71	6
CATALINA	78.46	30	0.72	29	105.94	16	2.97	2	97.02	24	4.17	1	42.56	35	2.25	3	65.01	35	3.66	3
COVINA	108.73	19	0.92	19	100.51	19	0.86	20	91.60	27	0.87	22	100.08	23	0.81	25	112.13	22	0.97	24
DOMINGUEZ HILLS	117.22	18	0.82	24	89.17	26	0.80	21	82.30	29	0.71	28	130.63	15	0.97	17	146.38	12	1.11	17
FOOTHILL	91.69	25	0.90	20	85.80	27	0.79	24	93.35	25	0.93	21	109.64	20	0.95	20	142.81	14	1.03	21
FULLERTON	68.99	33	0.42	35	90.57	25	0.79	22	82.23	30	0.72	27	76.59	29	0.67	31	92.72	30	0.76	34
HUNTINGTON BEACH	95.78	23	0.89	21	66.51	32	0.68	29	79.61	31	0.78	25	98.32	25	0.95	19	128.02	20	1.26	12
KERNVILLE	226.76	5	1.31	6	232.18	4	1.96	3	178.69	8	1.99	3	286.38	7	0.96	18	2421.32	1	3.67	2
LONG BEACH	75.83	31	0.55	33	75.11	30	0.70	28	66.33	34	0.61	32	164.46	9	0.89	23	135.16	17	0.86	31
MENIFEE	99.32	22	0.84	23	107.39	15	1.26	10	156.68	11	1.32	12	111.46	19	0.98	16	156.75	9	1.31	10
MONROVIA	108.11	20	1.13	15	99.12	20	1.02	16	133.32	14	1.16	16	96.68	26	0.88	24	116.57	21	0.84	32
MONTEBELLO	131.06	12	1.13	14	118.08	13	1.17	12	158.34	10	1.16	15	150.28	12	1.18	11	133.52	19	1.17	15
ONTARIO	93.09	24	0.87	22	77.39	29	0.79	23	97.91	23	1.00	19	94.04	27	0.74	27	105.07	27	0.93	27
PALM SPRINGS	175.92	8	1.27	8	112.80	14	0.77	25	107.04	20	0.71	29	99.54	24	0.80	26	107.58	25	1.07	19
REDLANDS	120.13	16	1.11	16	96.48	21	1.04	15	154.25	12	1.04	18	124.52	17	1.01	14	137.11	16	0.98	23
RIDGECREST	229.65	4	1.44	4	161.95	9	1.12	13	176.84	9	1.57	6	148.90	13	1.01	15	254.31	6	1.05	20
SADDLEBACK	83.01	27	0.73	27	70.69	31	0.53	34	99.07	22	0.74	26	46.03	34	0.39	35	65.99	34	0.65	35
SAN JOAQUIN	135.90	10	1.04	18	244.44	2	1.45	6	138.25	13	1.17	14	127.50	16	1.05	13	108.44	23	1.09	18
SANTA ANA	78.60	29	0.55	32	93.35	24	0.74	26	91.68	26	0.84	23	67.46	32	0.71	29	97.27	29	1.00	22
SANTA BARBARA	153.81	9	1.15	13	82.00	28	0.70	27	183.78	7	1.38	9	152.37	11	1.52	6	156.66	10	1.41	8
SANTA MONICA	101.69	21	0.79	25	122.78	12	1.00	17	110.76	19	0.99	20	75.41	30	0.62	32	91.08	31	0.95	26
SOUTH BAY	122.68	15	1.17	10	142.15	10	1.49	5	125.28	16	1.39	8	164.07	10	1.31	8	183.90	7	1.88	7
TEHACHAPI	117.96	17	1.43	5	232.67	3	1.12	14	130.70	15	1.29	13	298.96	5	1.21	9	97.29	28	1.13	16
THOUSAND OAKS	127.73	14	1.05	17	93.86	23	0.91	18	104.37	21	1.10	17	106.59	21	0.92	21	143.78	13	1.31	11
VALENCIA	62.01	35	0.46	34	51.04	34	0.53	33	79.23	32	0.61	33	72.27	31	0.61	33	105.09	26	0.97	25
VENTURA	134.81	11	1.15	11	100.52	18	1.21	11	183.79	6	1.65	4	148.85	14	1.19	10	150.41	11	1.24	13
VICTORVILLE	67.70	34	0.66	30	61.33	33	0.63	30	68.85	33	0.63	31	87.03	28	0.91	22	79.35	33	0.92	28
WHITTIER	72.60	32	0.74	26	135.04	11	0.86	19	87.60	28	0.70	30	114.52	18	0.73	28	137.34	15	0.81	33
WILDOMAR	88.54	26	0.72	28	40.51	35	0.56	32	118.49	18	0.81	24	52.70	33	0.60	34	84.01	32	0.87	30
YUCCA VALLEY	319.82	3	3.41	2	216.97	5	1.50	4	304.25	3	1.49	7	389.08	3	1.80	5	463.68	4	3.39	4
SCE SystemWide	108.13		0.89		102.61		0.91		112.00		0.96		114.83		0.92		134.48		1.10	

Exclusions are days which utilities are allowed to remove from their metrics because the outages on those days were caused by a severe acts of nature.

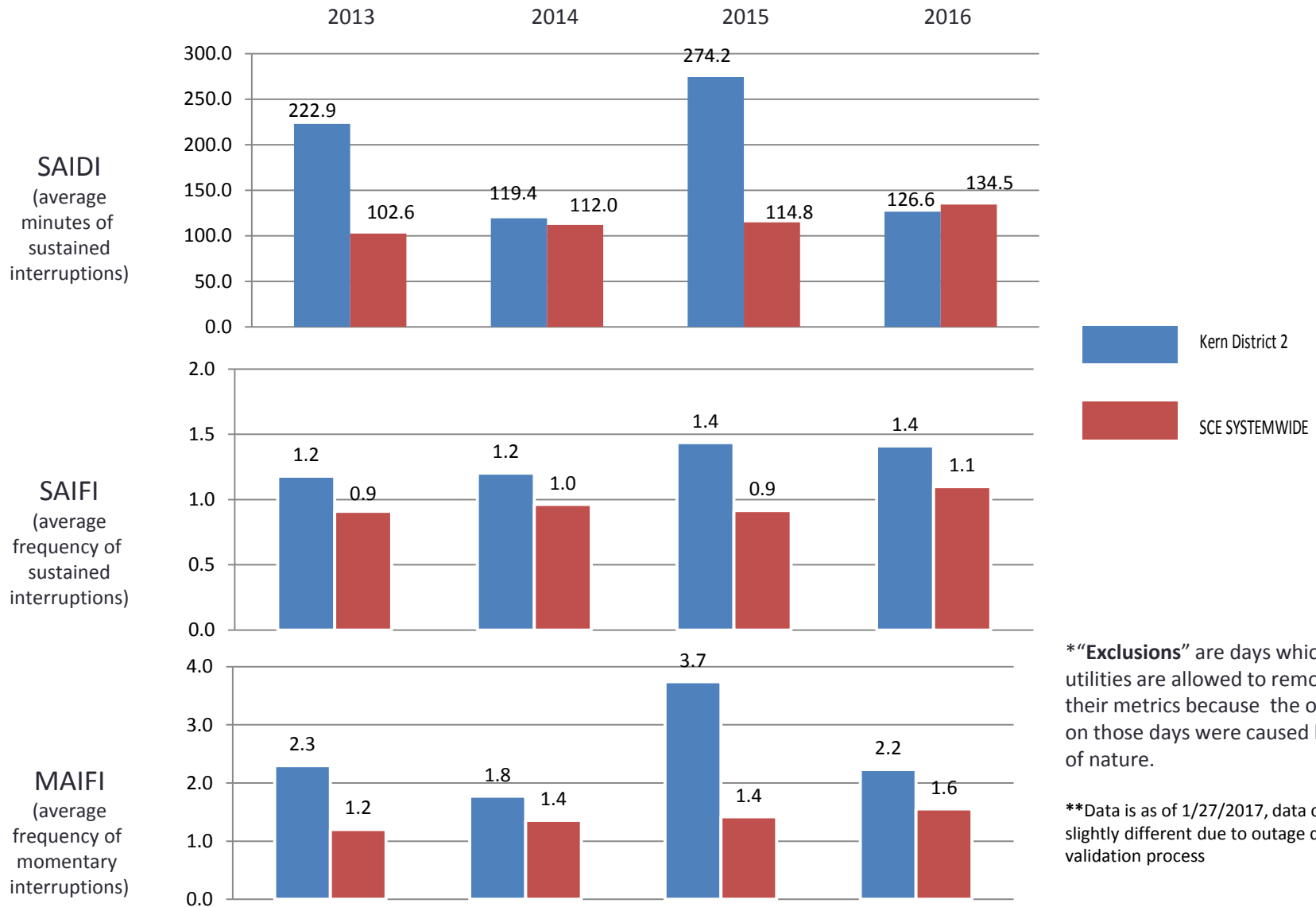
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Kern District 2

There are 51 circuits that serve Kern District 2

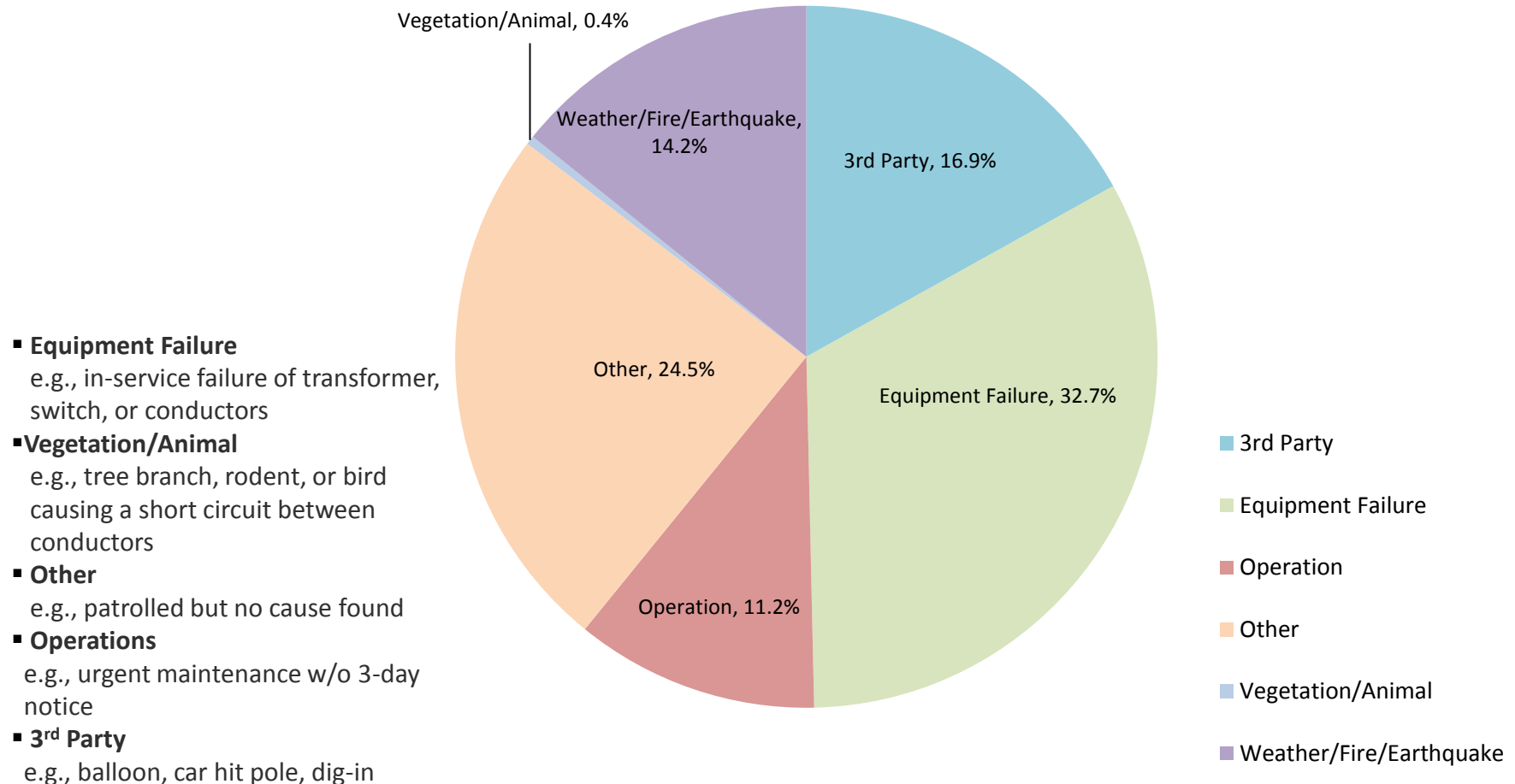
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ALFALFA(12KV)	269	LLOYD(12KV)	975				
BLEDSON(12KV)	145	MC CASLIN(4.16KV)	47				
BOXCAR(12KV)	793	METTLER(12KV)	2,928				
BUTTE(12KV)	1,904	OAK CREEK(12KV)	196				
CALIENTE(12KV)	2,204	OVERALL(12KV)	1,099				
CARBON(12KV)	772	PAPPAS(33KV)	4				
CASTLE BUTTE(33KV)	6	PAXTON(4.16KV)	335				
CLAYMINE(12KV)	58	PINWHEEL(12KV)	4				
CONLEY(12KV)	217	PUFF(12KV)	25				
CONTE(12KV)	466	QUIXOTE(12KV)	1				
CUDDEBACK(12KV)	2,266	RANKIN(12KV)	86				
DINELY(12KV)	1	RED BARN(12KV)	275				
DISCOVERY(12KV)	879	SANCHO(12KV)	1				
DIVISION(12KV)	1,502	SHEEP(12KV)	55				
DOGBANE(12KV)	1,072	TEJON(12KV)	521				
DUNTLEY(12KV)	48	TEMPEST(12KV)	1				
DYSON(33KV)	1	TOMAHAWK(12KV)	2,007				
FAIRMONT(12KV)	55	TUMBLEWEED(2.4KV)	69				
FLYING D(12KV)	416	VIENTO(12KV)	2,514				
GRUBSTAKE(12KV)	392	WILLOW SPRINGS(12KV)	267				
GUST(12KV)	360	ZENDA(12KV)	322				
HEAVY(33KV)	13						
HURON(12KV)	2,961						
ISNER(33KV)	5						
JAWBONE(12KV)	28						
JESSIE(4.16KV)	101						
JOBURG(2.4KV)	240						
KEENE(12KV)	308						
KOEFLER(4.8KV)	5						
LEVECHE(12KV)	1,996						
Grand Total	31,215						

Reliability History of Circuits Serving Kern District 2 (No Exclusions)



Causes of Repair Outages in Kern District 2 Circuits 2016 YTD

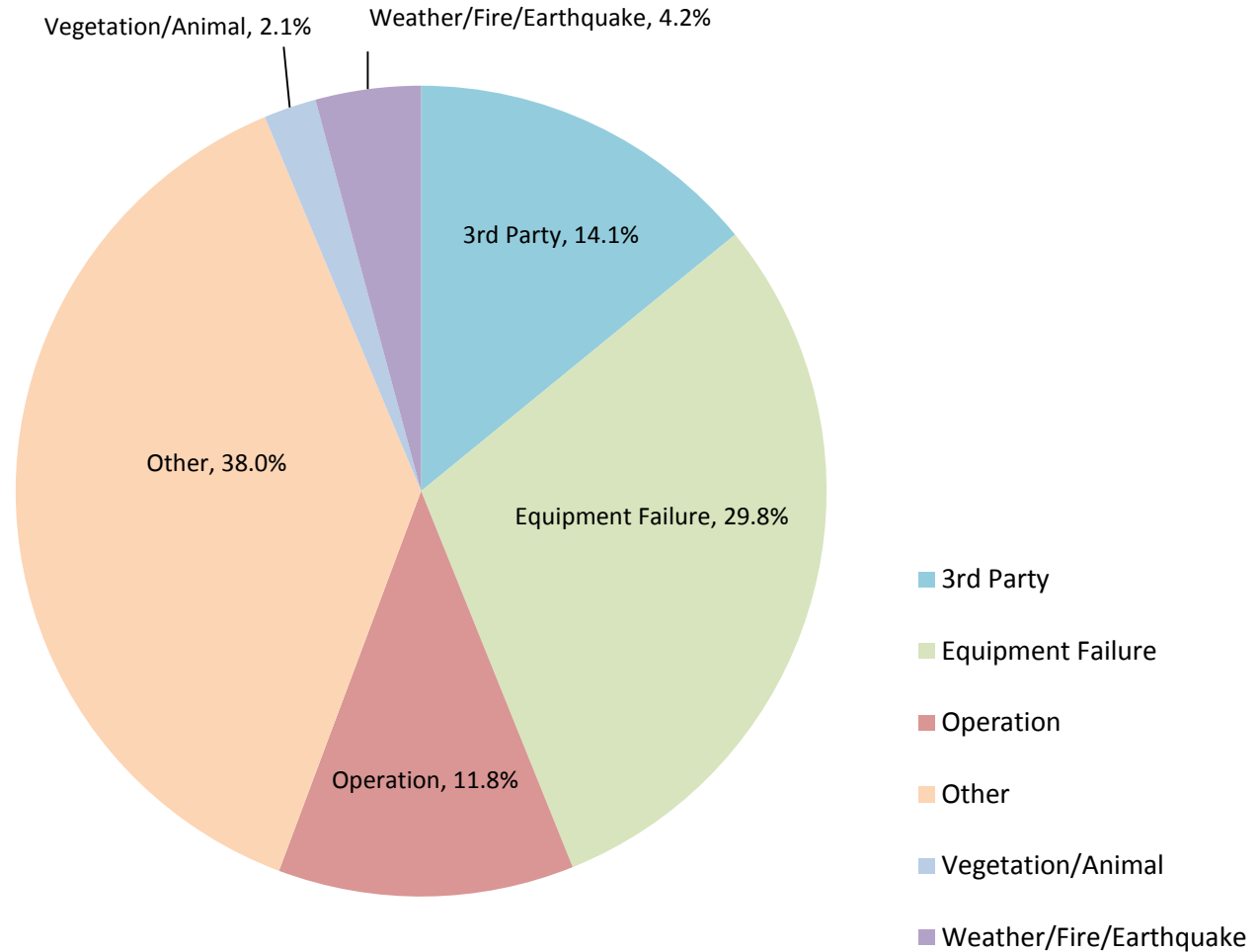
Contributions to SAIDI by Outage Cause



SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

Causes of Repair Outages in Kern District 2 Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



- **Equipment Failure**
e.g., in-service failure of transformer, switch, or conductors
- **Vegetation/Animal**
e.g., tree branch, rodent, or bird causing a short circuit between conductors
- **Other**
e.g., patrolled but no cause found
- **Operations**
e.g., urgent maintenance w/o 3-day notice
- **3rd Party**
e.g., balloon, car hit pole, dig-in

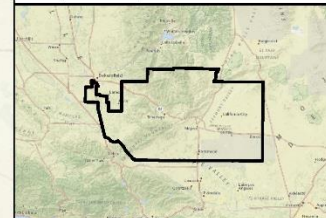
SAIFI = the number of times the average customer is interrupted by “sustained” outages each year.



Kern County District 2 Unincorporated Areas 2017 Capital Improvement Plan

- Unincorporated Community
 Unincorporated County Area
 Supervisory District
- Replacement/Equipment Upgrade**
- Electrical Equipment Replacement
 - Grid Modernization
 - Pole Replacement
- Other Work**
- Circuit Rebuild
 - Structures & Equipment
- Replacement/Equipment Upgrade (Transmission)**
- ✕ Electrical Equipment Replacement
 - ✕ Pole Replacement
- Other Work (Transmission)**
- ✕ Circuit Reliability Upgrade

Disclaimer: This report is intended solely for informational purposes. The information included is reflective as of January 1, 2017 and is subject to change without further notice.



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Back-up Slides

Reliability Histories of Circuits Serving Kern District 2

Updated through Year-End 2016

Average Reliability of 51 Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
Kern District 2	222.9	1.2	2.3	119.4	1.2	1.8	274.2	1.4	3.7	40.0	0.4	0.4	15.3	0.3	0.5	38.8	0.4	0.5	32.6	0.3	0.9	126.6	1.4	2.2
3rd Party	13%	10%	5%	16%	22%	14%	4%	9%	10%	15%	24%	3%	8%	1%	17%	36%	23%	36%	1%	1%	0%	17%	14%	12%
Equipment Failure	47%	40%	22%	35%	22%	18%	19%	22%	5%	37%	34%	14%	51%	45%	32%	28%	28%	10%	24%	14%	21%	33%	30%	20%
Operation	6%	9%	4%	6%	22%	3%	11%	10%	1%	14%	11%	20%	14%	10%	5%	8%	9%	12%	10%	17%	0%	11%	12%	7%
Other	16%	13%	31%	21%	14%	41%	34%	39%	59%	17%	27%	60%	26%	34%	40%	24%	37%	38%	33%	57%	53%	24%	38%	48%
Vegetation/Animal	0%	1%	13%	5%	6%	14%	0%	0%	2%	1%	1%	0%	1%	10%	3%	0%	0%	5%	0%	0%	1%	0%	2%	2%
Weather/Fire/Earthquake	18%	27%	24%	17%	14%	11%	32%	21%	22%	15%	3%	2%	0%	0%	2%	3%	2%	0%	33%	11%	25%	14%	4%	10%
SCE Systemwide	102.6	0.9	1.2	112.0	1.0	1.4	114.8	0.9	1.4	40.5	0.3	0.4	34.8	0.3	0.4	29.4	0.2	0.3	29.8	0.3	0.4	134.5	1.1	1.6

Notes:

No outages are excluded from the metrics.

Outage Causes:

Other: e.g., patrolled but no cause could be found

Operations: e.g., urgent maintenance w/o 3-day notice to customers

3rd Party: e.g., balloons, car hit pole, dig-in

Vegetation/Animal: e.g., tree branch, rodent, or bird causing short circuit across conductors

SAIDI (minutes) = the cumulative amount of time the average customer is interrupted by "sustained" (longer than 5 minutes) outages.

SAIFI (interruptions) = the number of times the average customer is interrupted by "sustained" outages.

MAIFI (interruptions) = the number of times the average customer is interrupted by "momentary" (lasting 5 minutes or less) outages.

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
ALFALFA(12KV) - Customers: 269	198.2	1.9	1.0	108.4	1.0	1.1	353.5	2.8	1.3	0.0	0.0	1.0	69.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.2	1.0	1.0
3rd Party	51%	50%	0%	0%	0%	0%	17%	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	49%	50%	7%	86%	87%	18%	5%	8%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	4%	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	93%	0%	0%	0%	75%	31%	86%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	14%	13%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BLEDSE(12KV) - Customers: 145	1466.0	2.4	7.6	107.3	0.4	0.0	618.6	1.2	4.8	19.6	0.0	1.0	0.0	0.0	0.0	47.6	0.2	0.8	18.2	0.1	1.0	85.4	0.4	2.8
3rd Party	6%	44%	11%	0%	0%	0%	0%	1%	21%	0%	0%	0%	0%	0%	0%	100%	100%	100%	2%	7%	0%	56%	61%	28%
Equipment Failure	2%	4%	0%	97%	34%	0%	1%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	12%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	3%	8%	89%	2%	64%	0%	99%	98%	79%	0%	0%	100%	0%	0%	0%	0%	0%	0%	98%	93%	100%	21%	27%	72%
Vegetation/Animal	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	89%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BOXCAR(12KV) - Customers: 793	268.4	2.5	4.5	26.0	0.4	3.5	1142.3	3.2	5.4	210.7	0.3	0.2	83.8	1.0	1.0	8.9	0.1	0.0	126.2	2.0	0.0	429.7	3.4	1.2
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	40%	44%	67%	60%	25%	2%	20%	5%	0%	7%	34%	100%	3%	1%	0%	7%	4%	0%	1%	1%	0%	4%	4%	17%
Operation	27%	27%	0%	39%	74%	0%	0%	0%	0%	0%	1%	0%	97%	99%	100%	93%	96%	0%	99%	99%	0%	50%	90%	83%
Other	33%	29%	33%	1%	1%	33%	77%	36%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	33%	3%	59%	18%	93%	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	6%	0%
BUTTE(12KV) - Customers: 1,904	84.8	0.2	0.0	107.2	0.7	1.9	15.1	0.1	1.0	0.0	0.0	1.0	0.1	0.0	1.0	16.5	0.1	0.0	5.8	0.0	1.0	22.4	0.1	3.0
3rd Party	86%	33%	0%	98%	96%	48%	3%	2%	0%	0%	0%	0%	0%	0%	100%	99%	65%	0%	0%	0%	0%	73%	56%	33%
Equipment Failure	1%	1%	0%	2%	4%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	26%	13%	34%
Operation	12%	39%	0%	0%	0%	0%	40%	89%	0%	0%	0%	100%	0%	0%	0%	1%	35%	0%	0%	0%	0%	1%	31%	33%
Other	0%	0%	0%	0%	0%	52%	57%	9%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	2%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
CALIENTE(12KV) - Customers: 2,204	0.1	0.0	1.0	4.5	0.0	1.0	317.4	0.2	3.7	5.1	0.0	0.0	0.0	0.0	0.0	61.1	0.8	0.7	0.0	0.0	0.0	66.2	0.8	0.7
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	100%	88%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	92%	96%	100%
Operation	0%	0%	0%	12%	8%	0%	0%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	4%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	100%	99%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CARBON(12KV) - Customers: 772	421.2	3.2	5.5	79.9	1.2	10.1	588.5	5.2	4.8	45.9	0.1	0.0	15.0	0.1	1.0	141.7	1.6	0.4	1.3	0.0	0.0	204.0	1.7	1.4
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	39%	100%	0%	0%	0%	42%	35%	29%
Equipment Failure	23%	32%	30%	85%	76%	56%	18%	2%	0%	92%	37%	0%	77%	47%	0%	0%	0%	0%	0%	0%	0%	27%	3%	0%
Operation	77%	68%	16%	15%	24%	8%	0%	1%	0%	8%	63%	0%	23%	53%	0%	40%	61%	0%	100%	100%	0%	32%	61%	0%
Other	0%	0%	36%	0%	0%	20%	80%	73%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	71%
Vegetation/Animal	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	18%	0%	0%	8%	2%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CASTLE BUTTE(33KV) - Customers: 6	188.0	2.0	2.0	130.0	1.0	6.0	0.0	0.0	10.0	16.3	0.2	2.0	0.0	0.0	1.0	0.0	0.0	0.0	237.0	1.0	0.0	253.4	1.2	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	17%	0%	0%	0%	100%	100%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	33%
Operation	0%	0%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	24%	50%	100%	100%	100%	50%	0%	0%	90%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Vegetation/Animal	0%	0%	0%	0%	0%	17%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	76%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	33%
CLAYMINE(12KV) - Customers: 58	590.4	2.0	3.0	281.2	1.0	8.9	0.0	0.0	10.0	23.6	0.1	2.0	850.8	1.0	1.0	0.0	0.0	0.0	234.3	1.0	0.0	1108.7	2.1	2.9
3rd Party	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	12%	0%	0%	0%	100%	100%	50%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	33%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	35%	50%	100%	100%	100%	44%	0%	0%	90%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%
Vegetation/Animal	0%	0%	0%	0%	0%	11%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	65%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	34%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
CONLEY(12KV) - Customers: 217	294.7	2.0	1.6	402.3	1.1	1.0	528.9	2.0	4.7	94.3	0.3	0.0	24.0	0.1	0.0	7.5	0.0	0.0	18.8	0.0	0.0	144.6	0.4	0.0
3rd Party	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	5%	2%	0%	23%	9%	0%	0%	0%	0%	0%	0%	0%	96%	91%	0%	38%	11%	0%	100%	100%	0%	31%	20%	0%
Operation	50%	48%	38%	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	45%	48%	0%	0%	0%	0%	49%	51%	40%	82%	49%	0%	0%	0%	0%	62%	89%	0%	0%	0%	0%	56%	44%	0%
Vegetation/Animal	0%	0%	62%	0%	0%	100%	0%	0%	0%	15%	49%	0%	4%	9%	0%	0%	0%	0%	0%	0%	0%	11%	36%	0%
Weather/Fire/Earthquake	0%	0%	0%	77%	91%	0%	51%	49%	52%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%
CONTE(12KV) - Customers: 466	27.7	1.0	2.0	352.7	3.4	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.5	0.0	1.0	147.0	1.0	0.0	155.5	1.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	5%	2%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	95%	98%	50%
Vegetation/Animal	10%	1%	0%	3%	11%	24%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	90%	99%	0%	97%	89%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CUDDEBACK(12KV) - Customers: 2,266	242.5	1.8	0.2	30.1	1.8	0.8	256.2	2.0	4.8	40.8	0.3	0.5	8.9	0.2	0.7	94.9	1.0	0.0	1.7	0.0	0.9	146.3	1.5	2.1
3rd Party	77%	46%	0%	60%	9%	100%	0%	0%	0%	0%	0%	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	7%
Equipment Failure	21%	46%	0%	3%	0%	0%	9%	9%	1%	2%	1%	0%	95%	100%	57%	68%	79%	0%	100%	100%	0%	52%	64%	19%
Operation	2%	8%	0%	37%	91%	0%	29%	32%	2%	1%	1%	0%	0%	0%	0%	11%	7%	0%	0%	0%	0%	8%	5%	0%
Other	0%	0%	100%	0%	0%	0%	43%	56%	37%	62%	61%	73%	0%	0%	21%	0%	0%	0%	0%	0%	100%	17%	14%	67%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	19%	3%	60%	34%	38%	27%	5%	0%	0%	21%	14%	0%	0%	0%	0%	23%	18%	6%
DINELY(12KV) - Customers: 1	0.0	0.0	6.0	19.0	2.0	4.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	33%	0%	0%	0%	0%	0%	57%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	67%
Vegetation/Animal	0%	0%	50%	100%	100%	100%	0%	0%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	17%	0%	0%	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
DISCOVERY(12KV) - Customers: 879	248.5	1.7	2.5	268.0	1.5	2.0	926.0	2.6	5.9	103.9	0.6	0.3	40.4	0.1	0.0	6.3	0.0	0.0	2.5	0.0	0.0	153.1	0.7	0.3
3rd Party	0%	0%	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	35%	36%	64%	2%	1%	0%	49%	22%	14%	100%	99%	100%	100%	100%	0%	41%	10%	0%	100%	100%	0%	97%	94%	100%
Operation	2%	2%	0%	0%	1%	0%	1%	38%	0%	0%	1%	0%	0%	0%	0%	59%	90%	0%	0%	0%	0%	3%	6%	0%
Other	63%	59%	36%	96%	98%	49%	26%	21%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	2%	0%	0%	0%	0%	25%	18%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DIVISION(12KV) - Customers: 1,502	248.4	2.2	4.0	18.2	0.2	0.0	12.7	0.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	176.2	0.9	0.0	0.0	0.0	0.0	176.2	0.9	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Equipment Failure	2%	16%	16%	100%	100%	0%	34%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	1%	1%	0%	0%	0%	0%	66%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	4%	5%	0%	0%	0%	0%	0%	0%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	93%	78%	84%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DOGBANE(12KV) - Customers: 1,072	196.5	2.1	11.1	178.7	2.9	4.0	65.5	4.1	4.1	6.9	1.0	1.0	0.0	0.0	0.0	0.2	0.0	0.0	90.7	2.0	2.0	97.8	3.0	3.0
3rd Party	0%	0%	9%	12%	45%	0%	23%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	8%	49%	0%	1%	0%	0%	12%	25%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	3%	0%	0%
Operation	18%	3%	9%	0%	0%	0%	33%	2%	27%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	46%	87%	55%	100%	32%	49%	65%	86%	100%	100%	0%	0%	0%	0%	0%	0%	98%	100%	100%	97%	100%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	74%	49%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DUNTLEY(12KV) - Customers: 48	29.7	0.1	0.0	0.0	0.0	1.1	377.5	1.7	1.0	38.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.6	0.4	0.0
3rd Party	0%	0%	0%	0%	0%	100%	49%	3%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	7%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	93%	86%	0%	0%	0%	0%	28%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	23%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
DYSON(33KV) - Customers: 1	0.0	0.0	0.0	239.6	1.2	2.3	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	45%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	100%	100%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FAIRMONT(12KV) - Customers: 55	213.5	2.0	0.5	6.7	0.5	2.4	334.8	1.0	6.5	106.5	0.9	0.9	230.7	1.5	1.4	41.5	1.0	0.0	253.6	2.7	0.5	632.3	6.1	2.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	99%	100%	100%	100%	0%	43%	56%	100%	60%	65%	68%
Equipment Failure	1%	1%	0%	0%	0%	82%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	44%	0%	23%	19%	0%
Operation	19%	25%	0%	0%	0%	0%	0%	0%	0%	42%	49%	50%	1%	1%	0%	0%	0%	0%	0%	0%	0%	7%	8%	16%
Other	0%	0%	0%	0%	0%	0%	62%	49%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	100%	100%	18%	0%	0%	0%	58%	51%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	8%	16%
Weather/Fire/Earthquake	81%	74%	100%	0%	0%	0%	34%	49%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FLYING D(12KV) - Customers: 416	30.0	1.6	5.6	95.9	0.2	3.5	1782.8	9.4	9.8	0.0	0.0	0.0	6.9	1.0	0.0	33.4	1.1	0.1	11.3	0.0	2.0	51.6	2.1	2.1
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	90%	0%	0%	0%	0%	21%	47%	0%
Equipment Failure	13%	0%	0%	65%	85%	30%	24%	21%	17%	0%	0%	0%	13%	0%	0%	67%	10%	0%	94%	90%	0%	66%	6%	0%
Operation	11%	0%	0%	1%	4%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	3%	0%	69%	34%	11%	58%	48%	41%	64%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	4%
Vegetation/Animal	23%	36%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	87%	100%	0%	0%	0%	0%	6%	10%	0%	13%	47%	0%
Weather/Fire/Earthquake	50%	63%	0%	0%	0%	0%	28%	37%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	96%
GRUBSTAKE(12KV) - Customers: 392	161.4	1.9	2.4	138.3	0.8	0.9	791.9	3.8	3.9	60.6	0.1	0.4	11.9	0.1	0.0	28.5	0.2	0.0	0.0	0.0	0.0	101.1	0.4	0.4
3rd Party	0%	0%	0%	0%	0%	0%	5%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	84%	55%	82%	0%	0%	0%	3%	8%	8%	86%	73%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	52%	21%	40%
Operation	2%	17%	0%	32%	27%	0%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	5%	11%	18%	60%	37%	67%	88%	81%	66%	0%	0%	60%	100%	100%	0%	100%	100%	0%	0%	0%	0%	40%	72%	60%
Vegetation/Animal	9%	17%	0%	9%	36%	33%	0%	0%	26%	14%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	8%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
GUST(12KV) - Customers: 360	206.5	1.0	0.6	265.0	2.1	0.0	84.1	0.3	8.5	59.8	1.0	6.6	89.4	1.1	0.0	28.5	1.0	0.0	0.0	0.0	3.5	177.8	3.1	10.1
3rd Party	0%	0%	0%	2%	3%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%
Equipment Failure	97%	97%	0%	98%	97%	0%	13%	2%	0%	100%	100%	15%	40%	6%	0%	0%	0%	0%	0%	84%	54%	35%	39%	
Operation	0%	1%	0%	0%	0%	0%	48%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Other	2%	2%	100%	0%	0%	0%	0%	0%	100%	0%	0%	69%	60%	94%	0%	100%	100%	0%	0%	0%	0%	46%	65%	45%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	0%	0%	5%	
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	38%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
HEAVY(33KV) - Customers: 13	510.8	1.1	4.5	38.4	0.3	0.0	937.9	2.2	1.2	17.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	209.7	2.2	2.0	227.5	2.3	2.0
3rd Party	0%	0%	2%	71%	75%	0%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	97%	93%	0%	0%	0%	0%	68%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	71%	0%	0%	0%	30%	48%	93%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%
Vegetation/Animal	0%	0%	0%	29%	25%	0%	1%	3%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	3%	7%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HURON(12KV) - Customers: 2,961	185.8	1.4	1.0	17.3	0.0	0.0	5.1	0.0	3.9	52.4	1.0	0.0	24.3	0.7	0.3	97.2	1.1	1.0	32.0	0.2	1.0	205.9	3.0	2.3
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	43%	100%	100%	0%	0%	0%	0%	5%	4%	100%	0%	0%	0%	28%	35%	44%
Equipment Failure	55%	71%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	4%	0%	1%	1%	0%	2%	2%	0%
Other	0%	0%	0%	0%	0%	0%	1%	33%	57%	0%	0%	0%	100%	100%	100%	91%	92%	0%	0%	0%	0%	55%	57%	12%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	45%	29%	0%	0%	0%	0%	99%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	99%	100%	15%	7%	44%
ISNER(33KV) - Customers: 5	0.0	0.0	2.0	220.4	1.0	3.0	50.5	0.2	1.0	103.2	0.6	0.4	0.0	0.0	1.0	0.0	0.0	0.0	181.8	1.4	1.0	285.0	2.0	2.4
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	42%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	0%	0%	33%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	64%	70%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	67%	0%	0%	0%	100%	100%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	36%	30%	58%
Weather/Fire/Earthquake	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
JAWBONE(12KV) - Customers: 28	447.0	1.0	4.0	136.7	1.1	0.0	824.9	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	193.2	1.9	1.9	193.2	1.9	1.9
3rd Party	0%	0%	0%	93%	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	49%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	75%	0%	0%	0%	51%	59%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%
Vegetation/Animal	0%	0%	0%	7%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
JESSIE(4.16KV) - Customers: 101	0.0	0.0	1.0	155.3	1.1	1.0	43.1	0.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	18%	10%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	82%	90%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
JOBURG(2.4KV) - Customers: 240	333.4	1.0	4.0	0.0	0.0	0.0	467.3	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.6	3.0	2.0	318.6	3.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	38%	34%	0%	38%	34%	0%
Operation	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	75%	0%	0%	0%	50%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	62%	66%	100%	62%	66%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
KEENE(12KV) - Customers: 308	0.6	0.0	1.0	46.5	0.9	0.0	466.0	2.0	0.9	179.7	1.0	0.0	90.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	269.8	2.0	1.9
3rd Party	0%	0%	0%	0%	0%	0%	29%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	34%	46%	0%	100%	100%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	67%	50%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	100%	100%	0%	34%	7%	100%	0%	0%	0%	99%	100%	0%	0%	0%	0%	0%	0%	52%	33%	50%	52%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	48%	0%	0%	48%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
KOEFLER(4.8KV) - Customers: 5	188.0	2.0	0.0	130.0	1.0	5.0	0.0	0.0	10.0	0.0	0.0	2.0	17.0	1.0	1.0	0.0	0.0	0.0	237.0	1.0	0.0	254.0	2.0	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	20%	0%	0%	0%	0%	0%	50%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	33%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	24%	50%	0%	100%	100%	60%	0%	0%	90%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Vegetation/Animal	0%	0%	0%	0%	0%	20%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	76%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	33%
LEVECHE(12KV) - Customers: 1,996	1.5	0.0	1.0	86.5	1.3	2.0	45.4	1.0	1.0	99.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	99.3	1.0	2.0
3rd Party	0%	0%	0%	2%	3%	0%	31%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	94%	95%	0%	69%	98%	0%	98%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	99%	0%
Operation	1%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	99%	78%	0%	4%	2%	100%	0%	0%	100%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	2%	1%	100%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LLOYD(12KV) - Customers: 975	7.8	0.1	0.0	145.8	1.9	2.3	854.8	4.0	2.6	4.8	0.0	0.0	0.0	0.0	0.0	96.6	0.6	0.0	0.0	0.0	0.0	101.4	0.6	0.0
3rd Party	0%	0%	0%	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	50%	0%	0%	0%	0%	33%	49%	0%
Equipment Failure	71%	32%	0%	92%	63%	27%	6%	33%	0%	20%	9%	0%	0%	0%	0%	65%	50%	100%	0%	0%	0%	63%	49%	100%
Operation	23%	64%	0%	1%	1%	0%	67%	33%	0%	18%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	2%	0%	0%	27%	34%	88%	62%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	1%	0%
Vegetation/Animal	6%	4%	0%	6%	36%	43%	0%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MC CASLIN(4.16KV) - Customers: 47	0.0	0.0	0.0	187.5	1.0	2.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
METTLER(12KV) - Customers: 2,928	793.7	2.2	1.1	389.4	2.8	3.7	176.1	0.8	7.4	52.6	0.7	0.5	10.8	0.0	1.0	3.8	0.4	1.5	0.5	0.0	0.8	67.8	1.2	3.8
3rd Party	10%	19%	38%	5%	4%	11%	18%	32%	6%	1%	0%	0%	81%	63%	0%	0%	0%	0%	0%	0%	4%	14%	1%	1%
Equipment Failure	84%	46%	24%	56%	21%	39%	9%	7%	0%	9%	41%	0%	19%	37%	0%	21%	1%	0%	100%	100%	52%	12%	26%	11%
Operation	0%	2%	0%	10%	46%	3%	0%	0%	0%	89%	58%	36%	0%	0%	0%	9%	0%	0%	0%	0%	0%	70%	35%	5%
Other	2%	10%	15%	19%	13%	39%	4%	8%	56%	0%	0%	64%	0%	0%	100%	70%	99%	84%	0%	0%	43%	4%	38%	78%
Vegetation/Animal	0%	0%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	0%	0%	0%	0%	0%	6%
Weather/Fire/Earthquake	3%	24%	24%	10%	15%	2%	70%	53%	38%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
OAK CREEK(12KV) - Customers: 196	16.7	1.0	1.0	152.6	1.0	0.0	338.3	1.9	7.0	43.2	0.3	1.7	0.4	0.0	0.0	1.3	0.0	0.0	142.7	1.0	0.0	187.6	1.4	1.7
3rd Party	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	100%	100%	14%	100%	100%	100%	0%	0%	0%	100%	100%	0%	100%	100%	0%	100%	100%	100%
Operation	91%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	9%	1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
OVERALL(12KV) - Customers: 1,099	588.4	1.1	9.5	35.4	2.0	0.0	61.5	4.1	1.0	57.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	84.6	2.0	2.0	142.5	3.0	3.0
3rd Party	0%	0%	11%	99%	100%	0%	50%	26%	0%	50%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	1%	0%
Equipment Failure	1%	7%	0%	1%	0%	0%	13%	25%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	11%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	99%	93%	37%	0%	0%	0%	34%	49%	0%	49%	97%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	79%	99%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PAPPAS(33KV) - Customers: 4	0.0	0.0	1.0	0.0	0.0	3.0	758.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	86%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	14%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
PAXTON(4.16KV) - Customers: 335	0.0	0.0	0.0	206.7	2.0	3.0	0.0	0.0	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	6%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	94%	50%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PINWHEEL(12KV) - Customers: 4	180.5	1.0	2.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	69.0	1.0	0.0	0.0	0.0	0.0	69.0	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	100%	100%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PUFF(12KV) - Customers: 25	96.8	1.2	0.0	9.3	0.2	2.0	634.8	1.1	4.1	8.5	0.1	7.0	128.7	0.9	3.0	0.0	0.0	0.0	49.2	1.0	1.0	186.5	2.0	11.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	69%	46%	9%
Operation	77%	86%	0%	100%	100%	100%	0%	0%	0%	100%	100%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	4%	9%
Other	23%	14%	0%	0%	0%	0%	0%	0%	28%	0%	0%	86%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	82%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	26%	50%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	100%	100%	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QUIXOTE(12KV) - Customers: 1	0.0	0.0	0.0	638.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	2.0	0.0	0.0	0.0	0.0	77.0	2.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
RANKIN(12KV) - Customers: 86	287.4	2.0	1.0	160.5	1.3	2.7	3339.3	9.5	3.0	0.0	0.0	0.0	6.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.9	6.0	1.0	2.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	34%
Equipment Failure	95%	49%	0%	0%	0%	0%	27%	21%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	100%	100%	100%	25%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Weather/Fire/Earthquake	5%	51%	0%	0%	0%	0%	48%	46%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	66%
RED BARN(12KV) - Customers: 275	188.7	2.0	0.0	197.7	2.0	4.9	37.1	0.1	10.0	0.0	0.0	2.0	15.3	1.0	2.0	0.0	0.0	0.0	239.3	1.0	0.0	254.6	2.0	4.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	20%	23%	16%	0%	0%	0%	50%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	25%
Operation	0%	0%	0%	0%	0%	0%	40%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	25%	50%	0%	64%	49%	60%	36%	35%	90%	0%	0%	50%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	21%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	75%	50%	0%	36%	51%	0%	1%	3%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	25%
SANCHO(12KV) - Customers: 1	0.0	0.0	0.0	550.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0	2.0	0.0	0.0	0.0	0.0	77.0	2.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SHEEP(12KV) - Customers: 55	675.7	2.1	4.0	386.5	2.4	0.0	716.9	2.7	2.4	225.3	1.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	265.4	3.5	5.5	494.0	4.5	5.5
3rd Party	0%	0%	0%	84%	84%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	69%	50%	0%	1%	1%	0%	62%	62%	59%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Operation	0%	0%	25%	0%	0%	0%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	43%	3%	10%	33%	3%
Other	0%	0%	75%	4%	13%	0%	35%	35%	41%	100%	100%	0%	0%	0%	0%	0%	0%	0%	74%	56%	97%	85%	66%	97%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	1%	0%	4%	0%	0%
Weather/Fire/Earthquake	31%	50%	0%	11%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
TEJON(12KV) - Customers: 521	114.5	0.6	1.4	110.3	1.0	0.2	257.0	1.4	4.8	138.9	1.3	1.4	83.1	0.2	1.0	3.8	0.0	0.0	465.6	1.1	1.0	691.4	2.5	3.4
3rd Party	15%	6%	0%	94%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	0%	6%	1%	0%	73%	28%	82%	0%	0%	0%	99%	99%	0%	100%	100%	0%	1%	1%	100%	13%	7%	29%
Operation	42%	48%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	7%	4%	70%	0%	0%	0%	1%	0%	18%	100%	100%	100%	0%	0%	100%	0%	0%	0%	2%	6%	0%	22%	54%	71%
Vegetation/Animal	35%	40%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	25%	71%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	97%	93%	0%	65%	39%	0%
TEMPEST(12KV) - Customers: 1	0.0	0.0	1.0	0.0	0.0	0.0	132.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	1.0	0.0	48.0	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TOMAHAWK(12KV) - Customers: 2,007	93.1	1.0	2.0	106.5	0.9	0.1	371.0	0.8	1.7	0.0	0.0	0.0	0.1	0.0	1.9	4.5	0.0	0.6	0.0	0.0	0.0	4.6	0.0	2.6
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	99%	0%	0%	0%	0%	94%	97%	0%
Equipment Failure	100%	100%	50%	0%	0%	0%	13%	8%	40%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	2%	2%	75%
Operation	0%	0%	0%	0%	0%	0%	18%	7%	0%	0%	0%	0%	0%	0%	0%	4%	1%	0%	0%	0%	0%	3%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	25%
Vegetation/Animal	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	100%	100%	100%	68%	86%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TUMBLEWEED(2.4KV) - Customers: 69	938.1	1.1	1.0	0.0	0.0	3.0	0.0	0.0	0.0	218.4	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	218.4	0.9	0.8
3rd Party	98%	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	2%	10%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%
Other	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Kern District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
VIENTO(12KV) - Customers: 2,514	0.9	0.0	2.4	74.2	1.0	1.8	57.8	0.2	2.1	0.4	0.0	0.0	10.9	1.0	0.0	2.5	0.0	1.3	0.6	0.0	1.4	14.4	1.0	2.7
3rd Party	0%	0%	0%	64%	73%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	53%	44%	50%	0%	0%	0%	9%	1%	25%
Equipment Failure	81%	84%	10%	0%	0%	0%	14%	39%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	100%	100%	6%	82%	97%	3%
Operation	2%	11%	0%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	3%	50%	0%	0%	0%	2%	0%	25%
Other	0%	0%	30%	0%	0%	5%	48%	52%	100%	0%	0%	0%	0%	0%	0%	36%	53%	0%	0%	0%	44%	6%	1%	22%
Vegetation/Animal	16%	5%	61%	28%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	4%	0%	56%	38%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	25%
WILLOW SPRINGS(12KV) - Customers: 2,514	0.4	0.0	1.0	121.0	0.8	0.9	317.6	1.7	6.4	86.2	0.6	1.4	5.2	0.1	1.0	0.0	0.0	0.0	27.5	0.3	1.7	118.8	1.0	4.1
3rd Party	0%	0%	0%	0%	0%	0%	83%	60%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	24%
Equipment Failure	100%	100%	0%	16%	4%	0%	16%	22%	27%	45%	51%	50%	86%	15%	0%	0%	0%	0%	100%	100%	42%	59%	62%	35%
Operation	0%	0%	0%	16%	19%	0%	0%	1%	0%	0%	0%	0%	14%	85%	0%	0%	0%	0%	0%	0%	0%	1%	8%	0%
Other	0%	0%	100%	69%	78%	100%	1%	17%	73%	55%	49%	50%	0%	0%	0%	0%	0%	0%	0%	0%	58%	40%	30%	41%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ZENDA(12KV) - Customers: 322	442.8	3.1	3.0	17.4	0.2	4.0	715.9	3.1	5.6	0.0	0.0	0.0	11.2	1.0	0.0	1.6	0.0	1.0	162.0	1.0	3.6	174.8	2.0	4.6
3rd Party	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	22%
Equipment Failure	6%	1%	0%	0%	0%	0%	6%	1%	0%	0%	0%	0%	46%	0%	0%	100%	100%	0%	100%	100%	44%	97%	50%	35%
Operation	0%	0%	0%	100%	100%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	82%	33%	67%	0%	0%	50%	10%	66%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	100%	0%	0%	0%	0%	0%	0%	0%	3%	50%	0%
Weather/Fire/Earthquake	12%	66%	33%	0%	0%	0%	84%	33%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	0%	0%	44%