

Circuit Reliability Review Kings District 5

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

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 and Communities in the San Joaquin Region

Armona

Delano

Ducor

Earlimart

East Porterville

Exeter

Farmersville

Goshen

Hanford

Ivanhoe

Kings County

Lemon Cove

Lindsay

Mcfarland

Pixley

Poplar-Cotton Center

Porterville

Richgrove

Springville

Strathmore

Terra Bella

Three Rivers

Tipton

Tulare

Visalia

Woodlake

Woodville

Reliability by SCE District (No Exclusions)

		20	12			20:	13			20	14			20	15			20	16	
	District	SAIDI	District	SAIFI																
District Name	SAIDI	RANKING	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	

^{*&}quot;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.

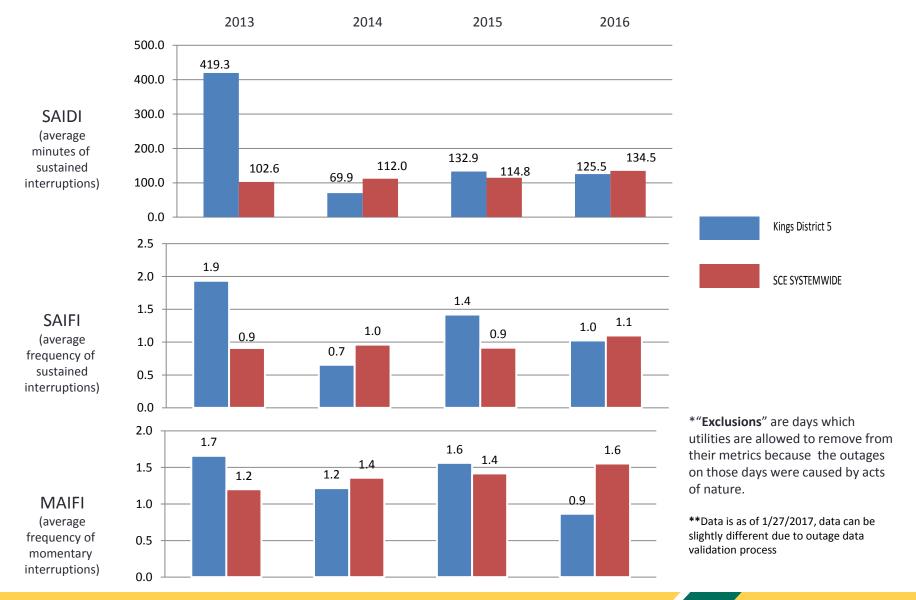
^{**}In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Kings District 5 There are 13 circuits that serve Kings District 5

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
BALL(12KV)	286						
BULLPUP(12KV)	1,803						
BURRIS(12KV)	637						
CURTIS(12KV)	381						
FLORINDA(12KV)	1,926						
GEE BEE(12KV)	1,666						
GOLDENBEAR(12KV)	694						
LINDER(12KV)	396						
MANZANILLO(12KV)	262						
MARAUDER(12KV)	432						
MUSSEL(12KV)	1,795						
TRAILBLAZER(12KV)	1,467						
WINDT(12KV)	134						

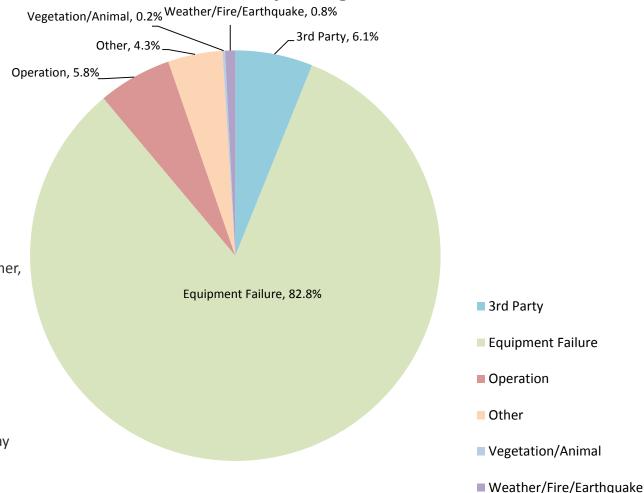
Grand Total 11,879

Reliability History of Circuits Serving Kings District 5 (No Exclusions)



Causes of Repair Outages in Kings District 5 Circuits 2016 YTD

Contributions to SAIDI 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

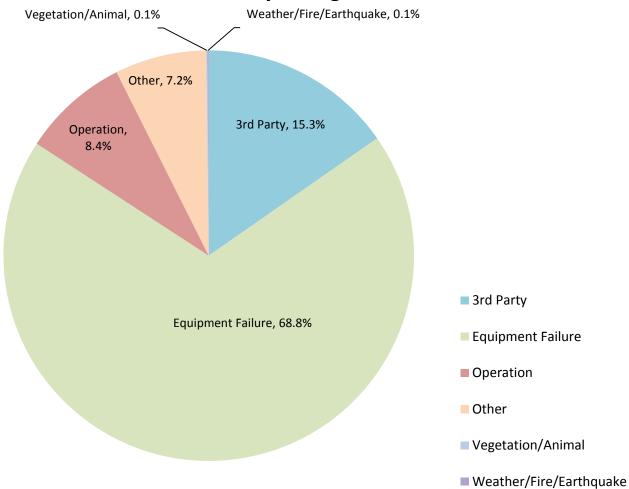
■ 3rd Party

e.g., balloon, car hit pole, dig-in

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

Causes of Repair Outages in Kings District 5 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

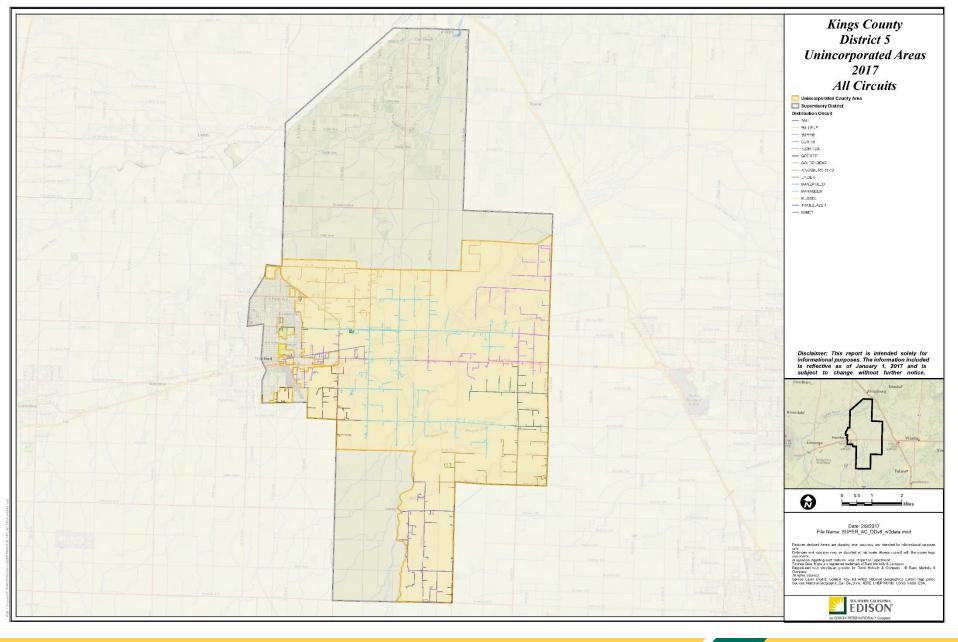
Operations

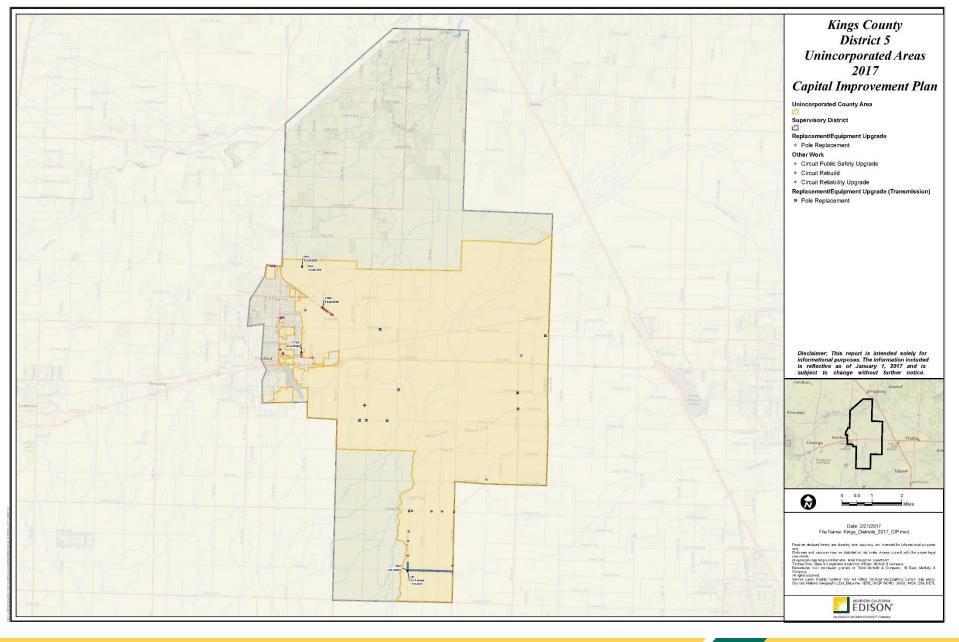
e.g., urgent maintenance w/o 3-day notice

■ 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.





Back-up Slides

Reliability Histories of Circuits Serving Kings District 5

Updated through Year-End 2016

Average Reliability of 13 Circuits Serving Kings District 5

		2013			2014			2015		1st	Qtr 20	16	2nc	Qtr 20	016	3rd	Qtr 20	016	4th	Qtr 20	016		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIF
Kings District 5	419.3	1.9	1.7	69.9	0.7	1.2	132.9	1.4	1.6	29.3	0.2	0.3	79.6	0.6	0.2	7.9	0.2	0.3	8.7	0.1	0.0	125.5	1.0	0.9
3rd Party	6%	5%	15%	41%	44%	11%	24%	37%	25%	11%	17%	61%	0%	0%	0%	37%	66%	35%	18%	20%	0%	6%	15%	36%
Equipment Failure	11%	17%	25%	36%	25%	20%	42%	32%	10%	87%	76%	0%	94%	89%	6%	24%	2%	0%	22%	24%	4%	83%	69%	2%
Operation	2%	14%	1%	10%	19%	3%	2%	3%	2%	1%	1%	0%	2%	3%	0%	28%	25%	1%	36%	39%	0%	6%	8%	0%
Other	69%	61%	53%	1%	0%	19%	2%	4%	24%	1%	6%	39%	4%	7%	94%	10%	7%	64%	12%	13%	79%	4%	7%	62%
Vegetation/Animal	0%	0%	4%	1%	3%	46%	12%	9%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	12%	3%	2%	11%	9%	2%	19%	16%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	3%	17%	1%	0%	0%
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	1.0

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.

	2	2013			2014		2	015		1st Q	tr 2016	5	2nd (Qtr 201	16	3rd	Qtr 20 :	16	4th (Qtr 201	6	;	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
BALL(12KV) - Customers: 286	1290.2	3.4	3.1	158.3	1.5	1.4	117.0	0.8	3.2	61.2	0.2	0.0	102.0	1.0	0.0	34.3	0.4	0.1	30.6	0.2	0.0	228.2	1.8	0.1
3rd Party	0%	0%	0%	0%	0%	0%	62%	32%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	4%	33%	68%	6%	31%	100%	14%	18%	0%	99%	94%	0%	12%	3%	0%	0%	0%	0%	100%	100%	0%	45%	20%	0%
Operation	1%	16%	0%	87%	67%	0%	2%	45%	20%	1%	6%	0%	0%	0%	0%	10%	3%	100%	0%	0%	0%	2%	1%	100%
Other	10%	18%	0%	7%	1%	0%	4%	1%	0%	0%	0%	0%	88%	97%	0%	90%	97%	0%	0%	0%	0%	53%	79%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	7%	2%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	85%	33%	32%	0%	0%	0%	12%	1%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BULLPUP(12KV) - Customers: 1,803	687.4	3.2	4.1	52.5	1.0	1.0	78.7	1.4	0.0	0.0	0.0	0.0	133.6	1.1	1.0	0.0	0.0	0.0	3.4	0.0	0.0	136.9	1.1	1.0
3rd Party	22%	6%	24%	88%	95%	0%	46%	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	27%	31%	52%	0%	0%	0%	54%	28%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	98%	98%	0%
Operation	0%	0%	0%	12%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	2%	2%	0%
Other	51%	63%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BURRIS(12KV) - Customers: 637	206.4	1.0	0.0	6.9	0.0	0.0	181.5	2.7	4.0	0.0	0.0	2.0	151.5	1.0	1.0	28.2	1.5	2.5	0.0	0.0	0.0	179.7	2.5	5.5
3rd Party	0%	0%	0%	0%	0%	0%	66%	38%	25%	0%	0%	100%	0%	0%	0%	100%	100%	60%	0%	0%	0%	16%	60%	64%
Equipment Failure	1%	0%	0%	90%	83%	0%	8%	24%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	84%	40%	0%
Operation	0%	0%	0%	10%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	99%	100%	0%	0%	0%	0%	16%	38%	50%	0%	0%	0%	0%	0%	100%	0%	0%	40%	0%	0%	0%	0%	0%	36%
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%	11%	1%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CURTIS(12KV) - Customers: 381	138.4	1.0	3.7	5.4	0.1	0.1	96.7	0.2	2.1	0.2	0.0	0.0	0.0	0.0	0.0	33.7	0.4	0.0	58.3	0.3	0.2	92.2	0.7	0.2
3rd Party	20%	14%	27%	0%	0%	0%	54%	44%	0%	0%	0%	0%	0%	0%	0%	99%	99%	0%	21%	29%	0%	49%	73%	0%
Equipment Failure	32%	28%	8%	75%	21%	0%	35%	37%	0%	100%	100%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	1%	0%
Operation	8%	54%	0%	25%	79%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	5%	1%	65%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	54%	43%	16%	20%	43%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	35%	3%	0%	0%	0%	0%	11%	14%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	18%	57%	34%	7%	57%

	2013		2	2014		2	2015		1st Q	tr 201	6	2nd	Qtr 201	6	3rd	Qtr 201	16	4th (Qtr 201	6		2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	MAIFI	SAIDI	SAIFI I	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
FLORINDA(12KV) - Customers: 1,926	250.8	1.0	0.0	15.1	0.1	0.0	21.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	8.5	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%	77%	73%	0%	56%	45%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	5%	10%	0%	23%	27%	0%	44%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	95%	90%	0%	0%	0%	0%	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%
GEE BEE(12KV) - Customers: 1,666	249.6	1.3	0.7	98.3	0.5	1.0	23.9	0.3	1.8	180.0	1.3	0.7	118.9	1.0	0.0	5.4	0.0	0.0	12.6	0.1	0.1	316.9	2.4	0.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	20%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	11%	87%
Equipment Failure	1%	1%	0%	98%	50%	77%	98%	91%	45%	86%	79%	0%	100%	100%	0%	43%	24%	0%	36%	14%	0%	89%	85%	0%
Operation	0%	1%	0%	2%	50%	23%	2%	8%	0%	1%	1%	0%	0%	0%	0%	57%	76%	0%	28%	55%	0%	3%	4%	0%
Other	98%	98%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	31%	100%	1%	1%	13%
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%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GOLDENBEAR(12KV) - Customers: 694	461.1	3.4	1.0	11.8	0.0	1.0	226.6	1.4	2.0	0.0	0.0	0.0	4.1	0.0	0.0	23.3	0.7	0.0	0.0	0.0	0.0	27.4	0.7	0.0
3rd Party	6%	39%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	5%	28%	0%	42%	17%	0%	19%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	9%	3%	0%	58%	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	85%	98%	0%
Other	80%	29%	0%	0%	0%	0%	0%	0%	50%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	15%	2%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	81%	83%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LINDER(12KV) - Customers: 396	486.2	1.7	12.4	145.4	3.3	9.2	231.4	2.0	2.5	0.0	0.0	0.4	0.0	0.0	0.0	18.7	0.5	0.5	49.1	0.5	0.0	67.8	1.0	0.9
3rd Party	0%	0%	0%	53%	20%	14%	53%	25%	20%	0%	0%	0%	0%	0%	0%	68%	99%	100%	72%	53%	0%	71%	76%	55%
Equipment Failure	0%	0%	0%	38%	47%	17%	34%	72%	0%	0%	0%	0%	0%	0%	0%	32%	1%	0%	28%	47%	100%	29%	24%	3%
Operation	0%	0%	0%	10%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	98%	99%	92%	0%	0%	69%	6%	1%	40%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	42%
Vegetation/Animal	0%	0%	8%	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	0%	0%	0%	0%	0%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	2013		2	2014		2	2015		1st Q	tr 201	6	2nd	Qtr 2016	5	3rd	Qtr 201	16	4th C	<mark>(tr 201</mark>	6		2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI N	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	MAIFI	SAIDI	SAIFI	MAIFI
MANZANILLO(12KV) - Customers: 262	1113.3	1.9	2.4	246.7	3.0	2.3	141.5	1.6	3.4	18.2	0.6	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.6	0.0
3rd Party	7%	18%	58%	0%	0%	0%	40%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	0%	28%	49%	57%	45%	39%	20%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	14%	1%	0%
Operation	1%	18%	42%	6%	18%	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%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	99%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	90%	63%	0%	67%	33%	43%	15%	23%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MARAUDER(12KV) - Customers: 432	598.3	3.7	0.5	22.2	0.5	2.0	56.2	0.3	3.4	0.0	0.0	0.0	7.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.4	0.0
3rd Party	0%	0%	0%	0%	0%	0%	63%	65%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	7%	28%	0%	1%	1%	0%	15%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	2%	27%	0%	0%	0%	0%	2%	22%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Other	91%	45%	0%	0%	0%	0%	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	99%	99%	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%	19%	3%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MUSSEL(12KV) - Customers: 1,795	261.8	1.9	0.0	9.7	0.0	1.0	455.9	4.9	2.5	0.0	0.0	0.0	178.6	1.0	0.0	2.6	0.0	0.0	3.2	0.0	0.0	184.4	1.1	0.0
3rd Party	0%	0%	0%	0%	0%	0%	14%	36%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	2%	0%	0%	83%	74%	0%	46%	27%	8%	0%	0%	0%	95%	97%	0%	0%	0%	0%	0%	0%	0%	92%	94%	0%
Operation	7%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	3%	0%	100%	100%	0%	100%	100%	0%	8%	6%	0%
Other	91%	47%	0%	0%	0%	0%	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%	100%	22%	16%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	17%	26%	0%	19%	20%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TRAILBLAZER(12KV) - Customers: 1,467	461.7	1.8	1.2	137.1	0.7	1.4	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.6	0.0	1.0	12.7	0.1	0.0	13.2	0.1	2.0
3rd Party	0%	0%	0%	87%	88%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	15%	28%	18%	13%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	2%	0%	4%	2%	0%
Operation	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	95%	98%	0%	96%	98%	0%
Other	84%	71%	82%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	71%	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%

		2013			2014		2	2015		1st (Qtr 201	6	2nd	Qtr 201	16	3rd	Qtr 2016	;	4th	Qtr 201	.6	í	2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI N	IAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
WINDT(12KV) - Customers: 134	365.8	1.0	0.0	608.1	4.4	3.2	226.2	1.5	2.7	159.9	1.3	0.1	293.1	2.1	1.0	0.0	0.0	0.0	11.1	0.1	0.0	464.2	3.5	1.1
3rd Party	2%	3%	0%	41%	49%	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	2%	1%	0%	17%	4%	39%	82%	78%	0%	100%	100%	100%	79%	37%	100%	0%	0%	0%	0%	0%	0%	84%	60%	100%
Operation	0%	0%	0%	0%	0%	0%	18%	22%	26%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100%	100%	0%	2%	2%	0%
Other	96%	96%	0%	3%	2%	0%	0%	0%	37%	0%	0%	0%	21%	63%	0%	0%	0%	0%	0%	0%	0%	13%	38%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	39%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%