

Circuit Reliability Review Glendora

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 in the Covina District

Avocado Heights

Azusa

Charter Oak

Citrus

Claremont

Covina

Diamond Bar

Glendora

Hacienda Heights

Industry

La Puente

La Verne

Pomona

Rowland Heights

San Dimas

South San Jose Hills

Valinda

Vincent

Walnut

West Covina

West Puente Valley

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.

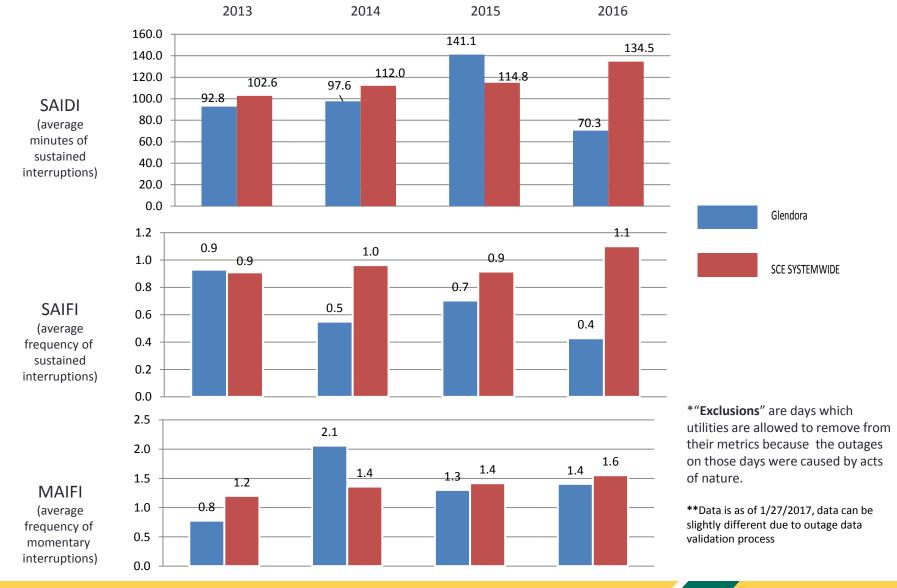
Overview of Glendora

There are 18 circuits that serve Glendora

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
APPLE(12KV)	1,820						
BANANA(12KV)	1,244						
BENDER(12KV)	2,268						
BLUEBERRY(12KV)	2,176						
CARLET(12KV)	1,829						
CATARACT(12KV)	1,443						
GLADSTONE(12KV)	803						
GRAPEFRUIT(12KV)	1,611						
JARVIS(12KV)	858						
KUMQUAT(12KV)	2,080						
LEMONADE(12KV)	1,567						
MANDARIN(12KV)	1,509						
PEAR(12KV)	1,387						
PINEAPPLE(12KV)	2,024						
SPANADA(12KV)	1,127						
SUNKIST(12KV)	1,343						
TANGERINE(12KV)	1,429						
VECINO(12KV)	1,981						

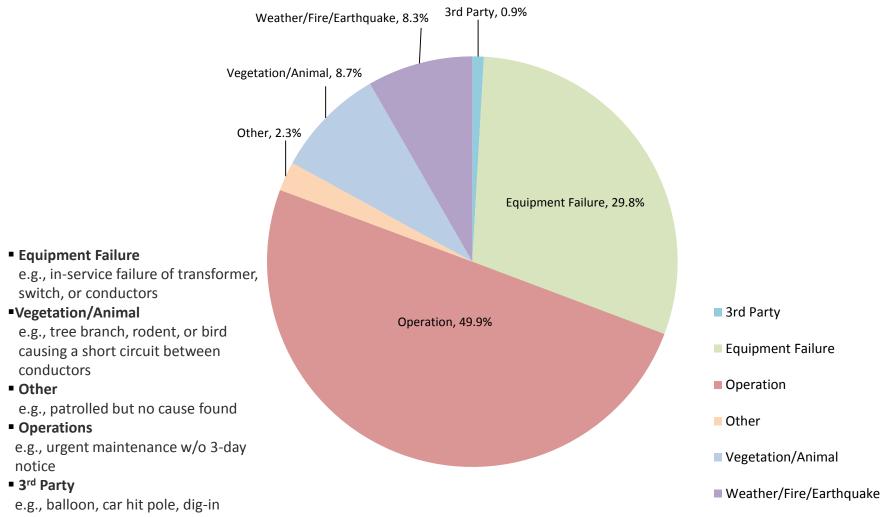
Grand Total 28,499

Reliability History of Circuits Serving Glendora (No Exclusions)



Causes of Repair Outages in Glendora Circuits 2016 YTD

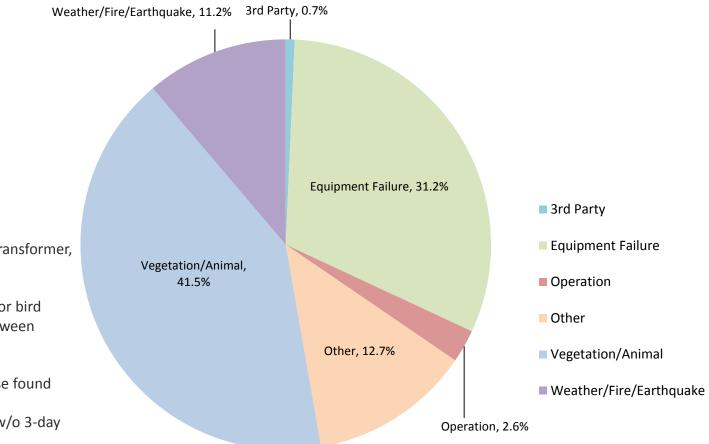




SAIDI = the cumulative amount of time the average customer is interrupted by "sustained" outages each year.

Causes of Repair Outages in Glendora 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

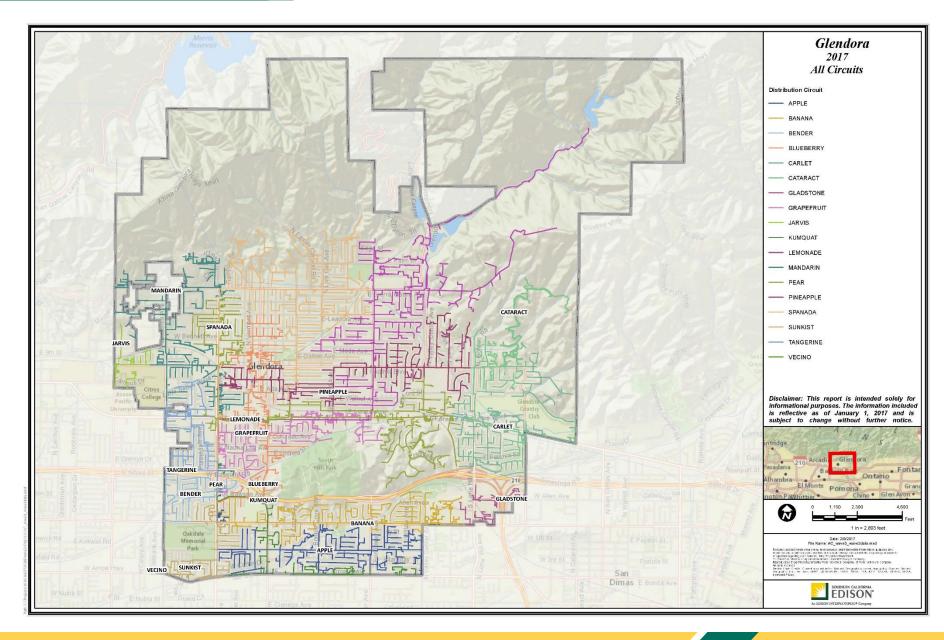
Operations

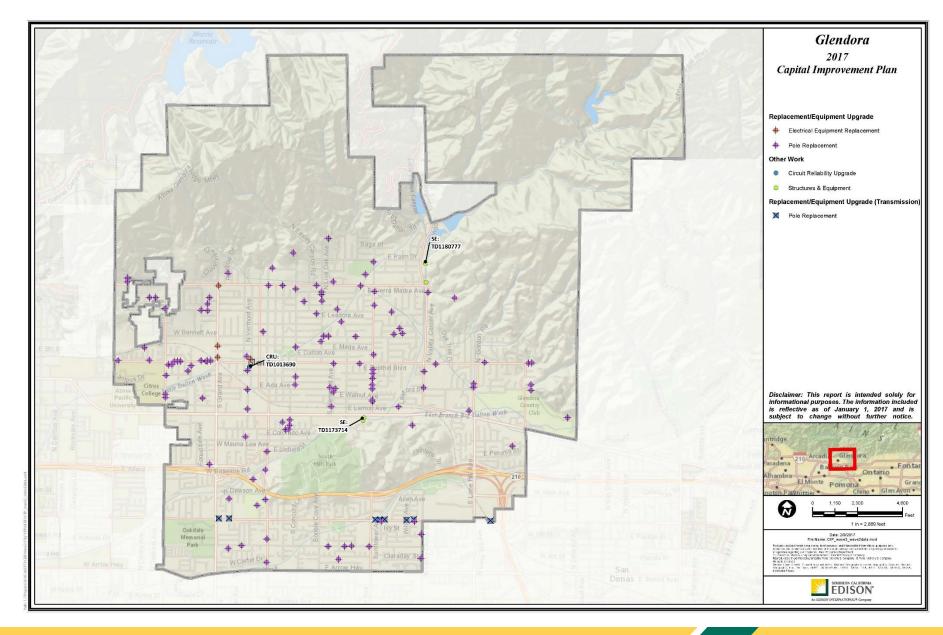
e.g., urgent maintenance w/o 3-day notice

■ 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 Glendora

Updated through Year-End 2016

Average Reliability of 18 Circuits Serving Glendora

		2013			2014			2015		1st	Qtr 20	16	2nd	Qtr 20	016	3rd	Qtr 20	16	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
Glendora	92.8	0.9	0.8	97.6	0.5	2.1	141.1	0.7	1.3	10.5	0.2	0.4	48.7	0.1	0.2	6.9	0.1	0.4	4.4	0.1	0.4	70.3	0.4	1.4
3rd Party	2%	0%	23%	26%	32%	12%	9%	11%	22%	0%	0%	18%	1%	4%	41%	0%	0%	0%	0%	0%	0%	1%	1%	119
Equipment Failure	53%	47%	26%	21%	15%	35%	17%	27%	8%	48%	42%	38%	16%	13%	0%	87%	12%	1%	54%	41%	23%	30%	31%	179
Operation	5%	12%	16%	18%	26%	9%	32%	19%	0%	1%	1%	20%	71%	9%	0%	0%	0%	18%	5%	4%	0%	50%	3%	10%
Other	2%	0%	14%	5%	3%	21%	2%	13%	34%	8%	24%	14%	1%	4%	23%	0%	0%	51%	8%	4%	33%	2%	13%	32%
Vegetation/Animal	20%	26%	14%	20%	23%	23%	13%	14%	23%	43%	34%	11%	1%	5%	36%	13%	87%	31%	8%	49%	44%	9%	41%	30%
Weather/Fire/Earthquake	18%	15%	6%	11%	2%	0%	26%	16%	12%	0%	0%	0%	10%	65%	0%	0%	0%	0%	25%	2%	0%	8%	11%	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.

		2013			2014			2015		1st	Qtr 20	16	2nd	Qtr 20	16	3rd	Qtr 20 .	16	4th	Qtr 20 :	16		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	MAIFI	SAIDI	SAIFI I	MAIFI	SAIDI	SAIFI	MAIF
APPLE(12KV) - Customers: 1,820	2.2	0.0	0.0	7.7	0.0	2.0	72.9	0.1	0.0	67.4	1.2	1.2	59.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127.3	1.3	1.
3rd Party	0%	0%	0%	0%	0%	50%	54%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	09
Equipment Failure	100%	100%	0%	56%	9%	50%	37%	17%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%
Operation	0%	0%	0%	44%	91%	0%	9%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	09
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	09
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%	09
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%
BANANA(12KV) - Customers: 1,244	12.4	0.1	0.0	0.1	0.0	1.0	15.0	1.1	1.9	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.0	2.0
3rd Party	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	72%	56%	0%	0%	0%	100%	45%	8%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	28%	44%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	0%	55%	92%	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%	52%	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%
BENDER(12KV) - Customers: 2,268	310.8	3.0	0.0	134.2	0.5	1.1	292.1	1.0	2.0	0.0	0.0	0.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	0.0
3rd Party	1%	0%	0%	100%	96%	100%	0%	0%	0%	0%	0%	0%	8%	44%	0%	0%	0%	0%	0%	0%	0%	8%	44%	0%
Equipment Failure	99%	100%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	92%	56%	0%	0%	0%	0%	0%	0%	0%	92%	56%	0%
Operation	0%	0%	0%	0%	4%	0%	98%	98%	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%	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%
BLUEBERRY(12KV) - Customers: 2,176	0.2	0.0	0.0	163.1	0.5	1.9	6.1	0.0	1.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	3.7	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	100%	100%	0%	0%	0%	52%	67%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	85%	86%	0%	33%	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	43%	89%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	09
Vegetation/Animal	0%	0%	0%	15%	14%	48%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	11%	09
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%	09

		2013			2014			2015		1st	Qtr 20 1	16	2nd	Qtr 20 .	16	3rd	Qtr 20	16	4th	Qtr 20	16		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI I	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIF
CARLET(12KV) - Customers: 1,829	21.1	0.1	2.0	20.3	0.5	2.5	162.8	1.1	3.0	0.0	0.0	0.0	4.7	0.0	0.1	7.3	0.5	1.6	5.9	0.5	1.5	17.9	1.0	3.2
3rd Party	0%	0%	0%	0%	0%	0%	41%	48%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	63%	51%	0%	0%	0%	0%	56%	48%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	50%	100%	100%	20%	3%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	1%	0%	7%	0%	0%
Other	37%	49%	0%	0%	0%	40%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	68%	0%	0%	66%	0%	0%	65%
Vegetation/Animal	0%	0%	50%	0%	0%	40%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	32%	80%	99%	34%	93%	100%	35%
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%
CATARACT(12KV) - Customers: 1,443	301.6	2.3	1.0	0.9	0.0	2.0	0.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.2	9.9	1.0	2.7	11.4	0.0	4.9	21.4	1.0	8.8
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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	49%	54%	2%	27%
Operation	0%	0%	100%	100%	100%	50%	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%	100%	0%	0%	45%	0%	0%	25%	0%	0%	42%
Vegetation/Animal	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	55%	0%	0%	25%	46%	98%	31%
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%
GLADSTONE(12KV) - Customers: 803	18.8	1.0	1.0	144.4	1.0	4.4	42.5	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	1.8	0.0	0.0	3.6
3rd Party	0%	0%	0%	16%	3%	44%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	84%	97%	10%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	100%	0%	0%	23%	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%	67%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	50%
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%
GRAPEFRUIT(12KV) - Customers: 1,611	34.2	0.2	0.0	0.0	0.0	2.7	0.4	0.0	0.0	0.0	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	21.2	0.1	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	53%	61%	0%	0%	0%	0%	0%	0%	0%	41%	42%	0%
Equipment Failure	51%	67%	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	23%	30%	100%
Operation	49%	33%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	47%	39%	0%	0%	0%	0%	0%	0%	0%	36%	27%	0%
Other	0%	0%	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%	63%	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			2015		1st	Qtr 20	16	2nd	Qtr 20	16	3rd	Qtr 20	16	4th	Qtr 20	16		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
JARVIS(12KV) - Customers: 858	43.7	0.1	4.1	254.5	0.7	0.1	2012.3	1.7	1.4	2.5	0.0	0.0	1212.9	0.1	0.0	186.7	0.1	0.0	0.0	0.0	0.1	1402.1	0.2	0.1
3rd Party	0%	0%	24%	16%	41%	0%	3%	20%	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	13%	13%	49%	0%	0%	0%	3%	5%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	13%	46%	0%
Operation	0%	0%	0%	9%	18%	0%	35%	69%	13%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	87%	54%	0%
Other	87%	87%	27%	55%	25%	100%	3%	4%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	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%	20%	16%	0%	55%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
KUMQUAT(12KV) - Customers: 2,080	0.8	0.0	1.0	189.6	1.3	3.9	14.5	0.1	0.0	0.0	0.0	1.0	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.9	0.0	2.0
3rd Party	0%	0%	0%	41%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	55%	15%	26%	32%	43%	0%	0%	0%	0%	62%	68%	0%	0%	0%	0%	0%	0%	0%	62%	68%	0%
Operation	13%	10%	0%	0%	0%	0%	68%	57%	0%	0%	0%	100%	38%	32%	0%	0%	0%	0%	0%	0%	0%	38%	32%	50%
Other	0%	0%	100%	4%	8%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	87%	90%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
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%
LEMONADE(12KV) - Customers: 1,567	106.1	1.2	0.0	121.1	1.2	4.0	124.9	0.3	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	0.1
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	29%	2%	0%	1%	0%	25%	12%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	33%	8%	0%	49%	88%	0%	6%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	38%	90%	0%	34%	4%	0%	76%	40%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	16%	8%	0%	6%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MANDARIN(12KV) - Customers: 1,509	0.8	0.0	1.7	170.7	1.3	3.2	70.1	1.5	1.4	0.0	0.0	1.0	6.4	0.0	0.0	7.1	0.1	1.0	0.0	0.0	0.0	13.5	0.1	2.0
3rd Party	0%	0%	0%	0%	0%	0%	83%	40%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	51%	29%	6%	26%	0%	0%	0%	0%	0%	100%	100%	100%	0%	100%	100%	0%	0%	0%	0%	100%	100%	50%
Operation	0%	0%	0%	3%	3%	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%	17%	60%	71%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	0%	0%	49%	66%	91%	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

		2013			2014			2015		1st	Qtr 20	16	2nd	Qtr 201	6	3rd	Qtr 20	16	4th	Qtr 20	16		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI N	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
PEAR(12KV) - Customers: 1,387	400.2	4.7	0.0	165.9	1.1	1.1	210.4	2.2	2.9	0.0	0.0	0.0	18.3	0.1	0.0	0.0	0.0	0.0	2.2	0.0	0.0	20.5	0.1	0.0
3rd Party	0%	0%	0%	75%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	20%	25%	0%	25%	2%	91%	73%	49%	0%	0%	0%	0%	53%	25%	0%	0%	0%	0%	100%	100%	0%	58%	32%	0%
Operation	1%	0%	0%	0%	2%	9%	10%	4%	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%	40%	56%	0%	0%	0%	0%	0%	0%	0%	35%	51%	0%
Vegetation/Animal	42%	47%	0%	0%	0%	0%	0%	0%	34%	0%	0%	0%	8%	19%	0%	0%	0%	0%	0%	0%	0%	7%	17%	0%
Weather/Fire/Earthquake	37%	28%	0%	0%	0%	0%	17%	46%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PINEAPPLE(12KV) - Customers: 2,024	13.0	1.0	1.0	2.0	0.0	2.0	158.9	1.1	0.0	0.5	0.0	0.0	3.4	0.0	0.0	0.2	0.0	0.9	33.3	0.3	0.0	37.4	0.3	0.9
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%	100%	30%	23%	50%	0%	0%	0%	100%	100%	0%	90%	26%	0%	0%	0%	0%	58%	96%	0%	61%	93%	0%
Operation	84%	99%	0%	22%	31%	50%	0%	0%	0%	0%	0%	0%	10%	74%	0%	100%	100%	100%	0%	0%	0%	1%	4%	100%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	16%	1%	0%	48%	46%	0%	100%	100%	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%	42%	4%	0%	37%	4%	0%
SPANADA(12KV) - Customers: 1,127	120.5	1.0	0.1	169.0	0.4	1.0	31.7	0.9	1.0	0.0	0.0	0.0	5.4	0.0	0.0	9.9	0.1	0.1	10.6	0.1	0.2	25.8	0.2	0.2
3rd Party	0%	0%	0%	0%	0%	0%	22%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	23%	4%	0%	20%	69%	96%	78%	95%	83%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	38%	39%	25%
Operation	0%	0%	0%	6%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	3%	6%	4%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	75%	0%	35%	35%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45%	17%	0%	0%	0%	0%	14%	25%	100%	15%	14%	75%
Weather/Fire/Earthquake	77%	96%	0%	72%	11%	0%	0%	0%	0%	0%	0%	0%	55%	83%	0%	0%	0%	0%	0%	0%	0%	11%	12%	0%
SUNKIST(12KV) - Customers: 1,343	4.0	0.0	0.0	6.0	0.0	1.7	36.6	0.1	0.9	92.1	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.1	1.5	0.8
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%	4%	2%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	96%	98%	41%	14%	5%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	86%	95%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%
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			2015		15	t Qtr 20	16	2nd	Qtr 20	16	3rd	Qtr 20	016	4tl	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
TANGERINE(12KV) - Customers: 1,429	199.8	1.1	3.7	30.7	0.1	1.0	119.5	1.2	2.0	17.8	1.0	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	1.0	1.0
3rd Party	8%	2%	53%	1%	1%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	65%	88%	22%	99%	99%	100%	14%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	3%	5%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	9%	2%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	91%	98%	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	24%	5%	26%	0%	0%	0%	86%	86%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VECINO(12KV) - Customers: 1,981	128.4	1.0	1.0	185.7	1.1	1.0	7.7	0.0	2.0	1.5	0.0	1.0	67.5	0.7	1.0	0.0	0.0	0.0	0.2	0.0	0.0	69.2	0.7	2.0
3rd Party	8%	1%	100%	0%	0%	0%	100%	100%	50%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49%
Equipment Failure	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	9%	8%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	3%	3%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	92%	99%	0%	90%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	51%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	97%	97%	09