



Circuit Reliability Review

Jurupa Valley

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://www.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 Foothill District

Bloomington

Colton

Fontana

Glen Avon

Jurupa Valley

Mira Loma

Muscoy

Pedley

Rancho Cucamonga

Riverside

Rubidoux

Sunnyslope

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.

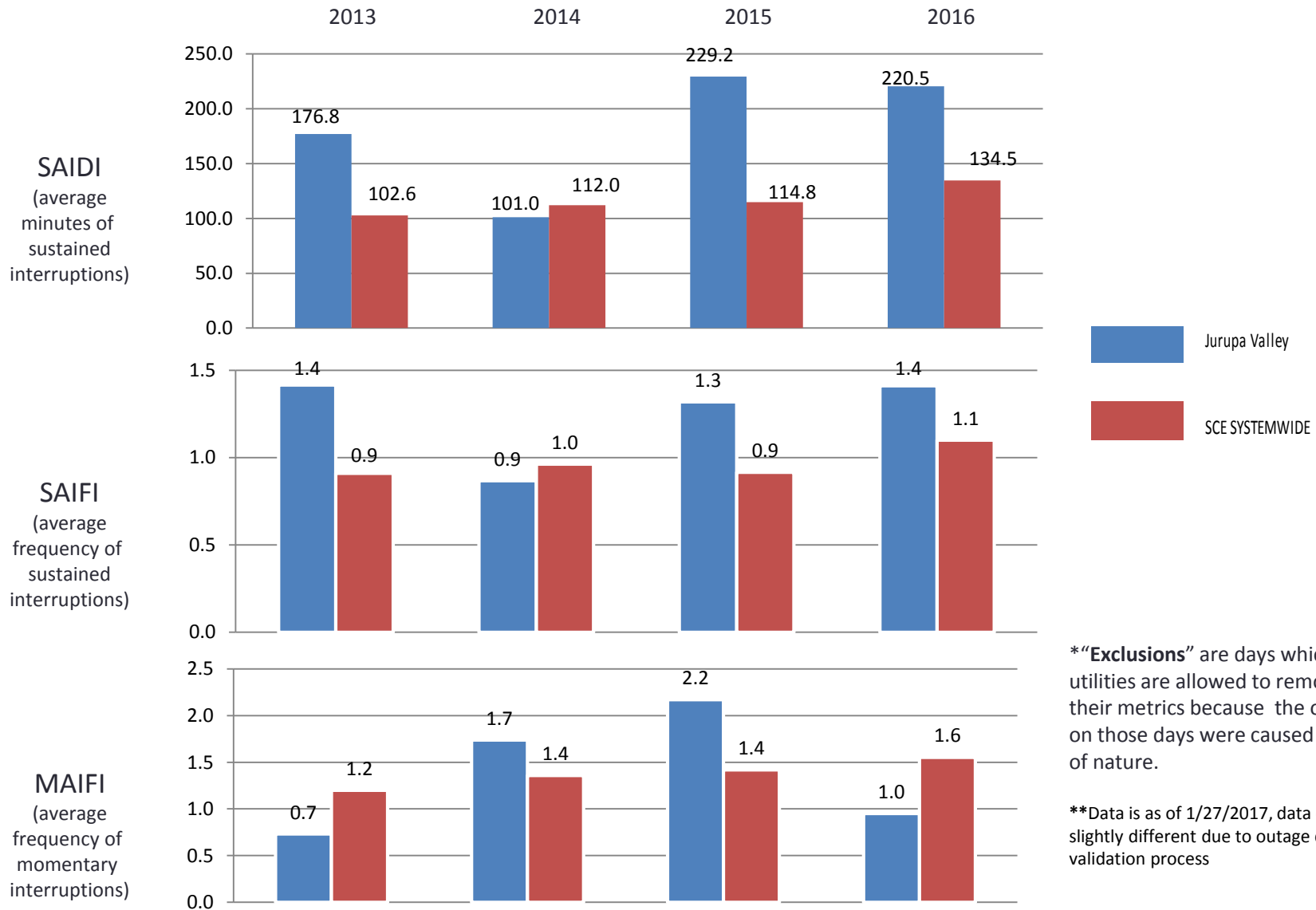
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Jurupa Valley

There are 31 circuits that serve Jurupa Valley

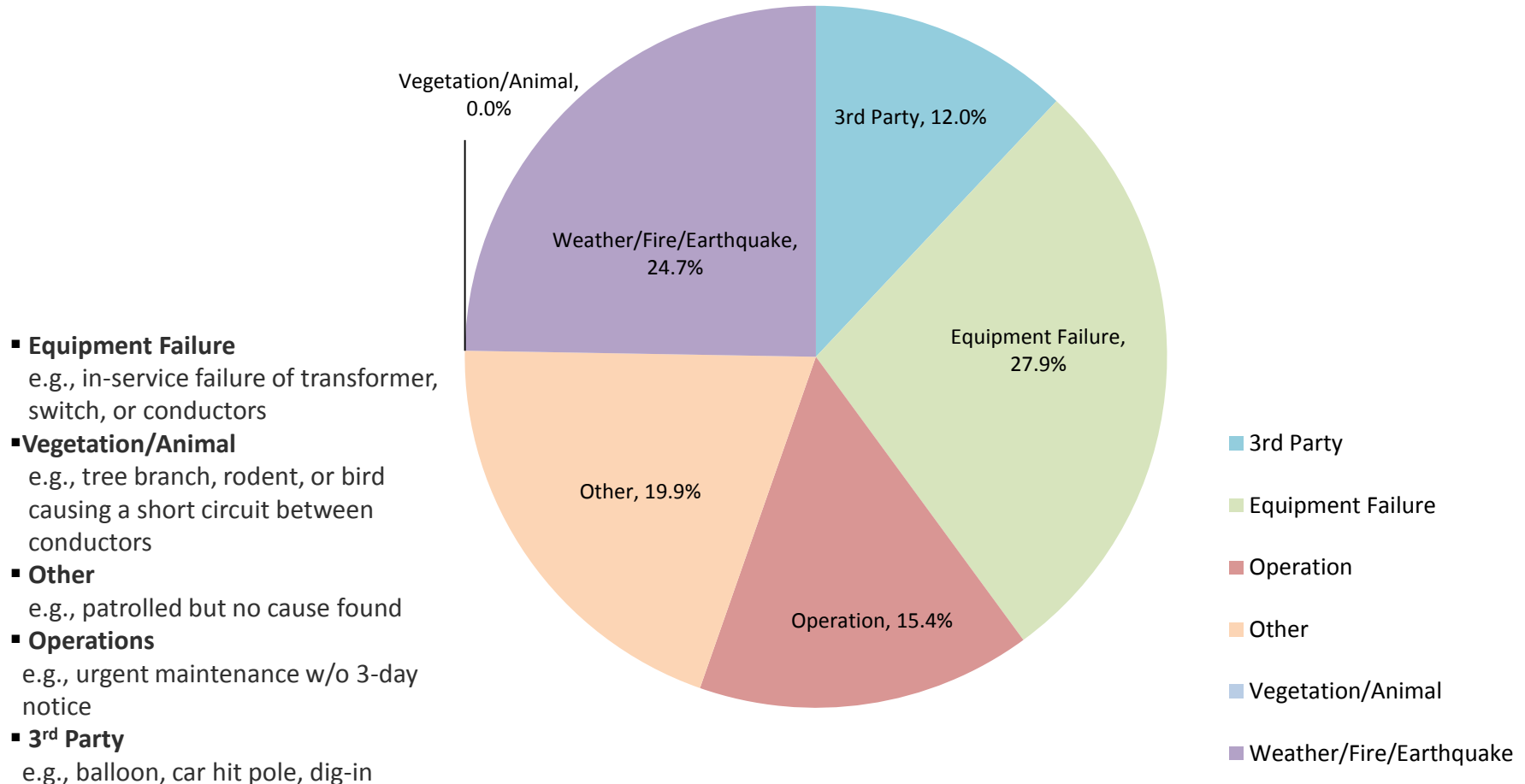
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ANDERSON(12KV)	1,750	WINNEBAGO(12KV)	1,548				
ANDES(12KV)	979						
BEN NEVIS(12KV)	2,124						
BLACKHILLS(12KV)	1,822						
CABANA(12KV)	2,333						
CAMEO(12KV)	1,076						
CONNING(12KV)	570						
FLABOB(12KV)	789						
FLEETWOOD(12KV)	325						
GALENA(12KV)	1,715						
GOWAN(12KV)	1,335						
GRAF(12KV)	81						
HEFTLER(12KV)	286						
HIGHBALL(12KV)	1,630						
KRAFT(12KV)	1,391						
LA SIERRA(12KV)	349						
LARCH(33KV)	3						
LIMONITE(33KV)	2						
MCENROE(12KV)	73						
MESCAL(12KV)	125						
NAYLOR(12KV)	1,528						
PACHAPPA(4.16KV)	204						
PARCO(12KV)	761						
SEBASTIAN(4.16KV)	388						
SEVAINE(12KV)	1,853						
SNIPES(12KV)	2,054						
STAGHORN(12KV)	1,107						
TENDER(12KV)	1,393						
TEXFI(12KV)	1,424						
WINEVILLE(12KV)	854						
Grand Total	31,872						

Reliability History of Circuits Serving Jurupa Valley (No Exclusions)



Causes of Repair Outages in Jurupa Valley Circuits 2016 YTD

Contributions to SAIDI by Outage Cause

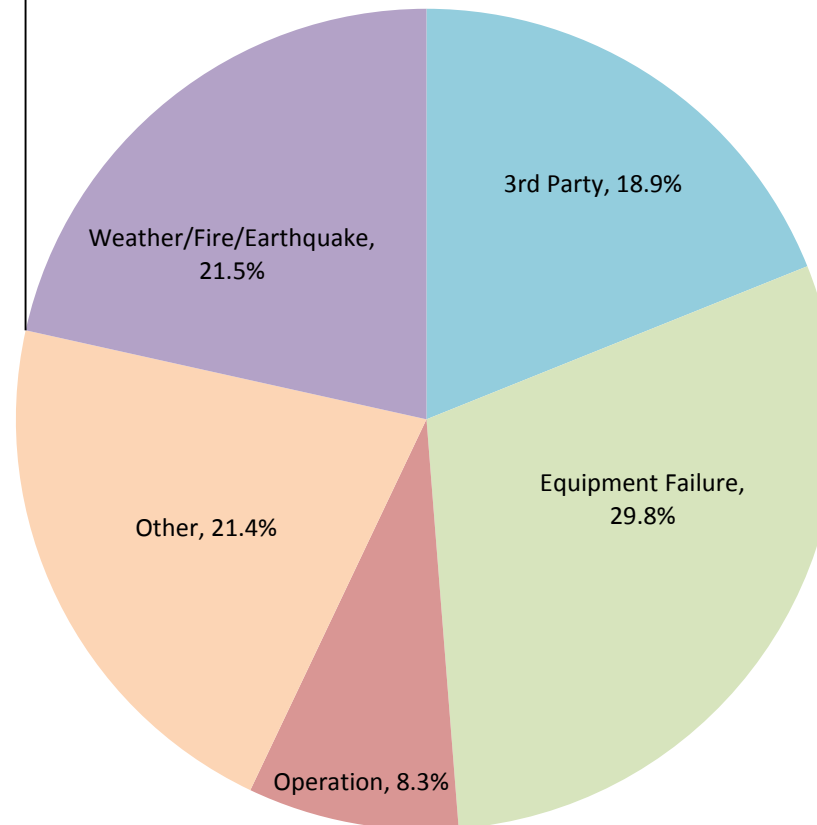


SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

Causes of Repair Outages in Jurupa Valley Circuits 2016 YTD

Contributions to SAIFI by Outage Cause

Vegetation/Animal, 0.0%



- **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

- 3rd Party
- Equipment Failure
- Operation
- Other
- Vegetation/Animal
- Weather/Fire/Earthquake

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





Back-up Slides

Reliability Histories of Circuits Serving Jurupa Valley

Updated through Year-End 2016

Average Reliability of 31 Circuits Serving Jurupa Valley

	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
Jurupa Valley	176.8	1.4	0.7	101.0	0.9	1.7	229.2	1.3	2.2	40.2	0.3	0.2	30.9	0.2	0.2	56.4	0.3	0.2	93.0	0.6	0.4	220.5	1.4	1.0
3rd Party	34%	26%	9%	37%	27%	19%	24%	36%	9%	37%	30%	0%	23%	27%	16%	4%	25%	43%	2%	6%	3%	12%	19%	11%
Equipment Failure	44%	62%	38%	43%	42%	23%	30%	32%	14%	57%	59%	48%	36%	36%	0%	34%	41%	0%	9%	5%	17%	28%	30%	19%
Operation	12%	5%	19%	10%	6%	7%	7%	14%	12%	4%	4%	0%	11%	24%	0%	51%	13%	28%	0%	1%	0%	15%	8%	5%
Other	0%	0%	33%	6%	12%	47%	34%	12%	58%	2%	7%	16%	8%	10%	50%	12%	20%	29%	37%	35%	10%	20%	21%	22%
Vegetation/Animal	0%	0%	1%	0%	0%	0%	4%	4%	3%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	6%
Weather/Fire/Earthquake	11%	7%	0%	4%	12%	4%	1%	2%	3%	0%	0%	36%	23%	3%	0%	0%	0%	0%	51%	53%	70%	25%	22%	38%
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 Jurupa Valley

	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
ANDERSON(12KV) - Customers: 1,750	36.0	0.1	0.0	49.4	0.1	1.0	32.2	0.2	2.9	1.2	0.1	0.0	0.0	0.0	1.0	0.0	0.0	0.0	31.0	0.1	0.0	32.3	0.1	1.0
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	89%	68%	0%	48%	26%	0%	73%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	50%	0%	92%	30%	0%
Operation	11%	32%	0%	52%	74%	0%	27%	37%	32%	100%	100%	0%	0%	0%	0%	0%	0%	0%	4%	50%	0%	8%	70%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	68%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	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%
ANDES(12KV) - Customers: 979	5.0	0.0	0.0	68.2	1.1	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.9	0.2	0.0	0.0	0.0	0.0	41.9	0.2	0.0
3rd Party	0%	0%	0%	95%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	62%	60%	0%	4%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	38%	40%	0%	1%	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%
BEN NEVIS(12KV) - Customers: 2,124	460.4	4.1	0.3	121.9	1.7	2.5	121.0	0.7	1.4	1.0	0.0	0.0	1.0	0.0	0.0	2.6	0.0	0.0	174.4	0.7	0.7	178.9	0.7	0.7
3rd Party	9%	17%	23%	5%	38%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	54%	72%	77%	88%	61%	45%	81%	91%	27%	100%	100%	0%	25%	1%	0%	100%	100%	0%	34%	8%	0%	36%	9%	0%
Operation	37%	11%	0%	7%	1%	0%	19%	9%	0%	0%	0%	0%	75%	99%	0%	0%	0%	0%	0%	0%	0%	0%	5%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	73%	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%	66%	92%	100%	64%	86%	100%
BLACKHILLS(12KV) - Customers: 1,822	56.1	1.0	1.9	61.7	0.2	2.5	544.2	1.0	2.0	61.4	1.0	0.0	8.5	0.1	0.0	0.0	0.0	0.0	314.8	1.7	1.0	384.7	2.7	1.0
3rd Party	88%	96%	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%	24%	9%	0%	0%	0%	0%	100%	100%	100%	90%	64%	0%	0%	0%	0%	0%	0%	0%	18%	38%	3%
Operation	12%	4%	100%	76%	91%	21%	2%	3%	0%	0%	0%	0%	10%	36%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	0%	0%	0%	79%	98%	97%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	89%	59%	0%	73%	36%	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%	11%	40%	100%	9%	25%	97%

Reliability Histories for Individual Circuits Serving Jurupa Valley

	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
CABANA(12KV) - Customers: 2,333	1.4	0.0	1.0	15.0	0.2	2.5	42.8	0.2	2.6	0.0	0.0	0.0	93.7	0.1	0.0	0.0	0.0	0.0	2.6	0.0	0.0	96.3	0.1	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%	100%	100%	100%	100%	100%	100%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	3%	22%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	38%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	97%	78%	0%
CAMEO(12KV) - Customers: 1,076	48.0	1.1	1.0	0.0	0.0	2.0	93.3	1.2	0.9	27.8	0.1	0.0	22.4	0.1	0.0	0.0	0.0	0.0	10.0	0.0	0.0	60.2	0.2	0.0
3rd Party	5%	3%	0%	0%	0%	50%	54%	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	92%	96%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	54%	62%	0%
Operation	3%	1%	0%	0%	0%	0%	27%	2%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	38%	0%
Other	0%	0%	0%	0%	0%	0%	19%	11%	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%
CONNING(12KV) - Customers: 570	80.3	0.9	0.9	0.1	0.0	0.0	216.5	1.2	1.1	0.0	0.0	0.0	8.4	0.9	1.8	158.2	1.1	1.1	0.0	0.0	0.0	166.6	2.0	2.9
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	99%	0%	0%	0%	5%	46%	100%
Equipment Failure	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	1%	0%	0%	0%	95%	54%	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%	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%
FLABOB(12KV) - Customers: 789	199.5	2.0	0.0	10.0	1.0	1.0	311.5	3.1	4.0	5.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	56.7	0.4	1.0	61.7	0.5	3.0
3rd Party	89%	50%	0%	0%	0%	0%	78%	65%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	11%	50%	0%	0%	0%	0%	10%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	92%	90%	0%
Operation	0%	0%	0%	0%	0%	100%	9%	2%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	10%	0%
Other	0%	0%	0%	100%	100%	0%	3%	1%	25%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	66%
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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%

Reliability Histories for Individual Circuits Serving Jurupa Valley

	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
FLEETWOOD(12KV) - Customers: 325	331.6	2.1	0.9	75.4	1.0	4.0	10.3	0.0	1.0	5.9	1.0	0.0	7.9	1.0	0.0	116.4	1.0	0.0	0.0	0.0	1.0	130.2	3.0	1.0
3rd Party	77%	47%	0%	65%	3%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	89%	34%	0%
Equipment Failure	23%	53%	100%	1%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	6%	33%	100%
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%	75%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	33%	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%	34%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GALENA(12KV) - Customers: 1,715	193.5	0.9	0.0	128.6	0.3	2.0	56.5	1.0	3.0	0.0	0.0	0.0	79.2	0.1	0.0	220.1	1.2	0.0	39.0	0.7	1.9	338.3	2.1	1.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	9%	9%	0%	92%	72%	1%	100%	100%	0%	0%	0%	0%	97%	93%	0%	95%	93%	0%	0%	0%	0%	84%	60%	0%
Operation	21%	12%	0%	8%	28%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	7%	0%	3%	5%	0%	4%	6%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	67%	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	69%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	7%	0%	0%	0%	0%	97%	95%	100%	12%	34%	100%
GOWAN(12KV) - Customers: 1,335	381.3	4.3	0.5	107.0	1.2	1.0	87.7	0.7	3.9	114.7	1.0	0.0	19.8	0.1	0.0	0.0	0.0	1.0	0.5	0.0	0.0	134.9	1.1	1.0
3rd Party	11%	23%	0%	51%	86%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	85%	91%	0%
Equipment Failure	86%	76%	0%	48%	11%	0%	91%	81%	49%	0%	0%	0%	56%	13%	0%	0%	0%	0%	100%	100%	0%	9%	1%	0%
Operation	3%	0%	100%	1%	2%	0%	9%	19%	0%	0%	0%	0%	44%	87%	0%	0%	0%	100%	0%	0%	0%	6%	8%	100%
Other	0%	0%	0%	0%	0%	100%	0%	0%	51%	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%
GRAF(12KV) - Customers: 81	0.0	0.0	1.0	91.5	0.1	0.0	0.0	0.0	1.0	132.6	2.0	0.0	0.0	0.0	0.0	59.3	1.0	0.0	5.7	0.0	2.0	197.6	3.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	30%	33%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	50%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	8%	34%	100%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	92%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	62%	33%	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%	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 Jurupa Valley

	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
HEFTLER(12KV) - Customers: 286	507.8	1.2	1.4	60.5	0.7	1.0	151.6	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	28.4	0.4	1.0	30.9	0.4	1.0
3rd Party	19%	55%	27%	75%	90%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	7%	9%	73%	0%	0%	0%	96%	99%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	66%	95%	0%	69%	96%	0%
Operation	1%	6%	0%	1%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	24%	3%	0%	4%	1%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	74%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	4%	0%	30%	4%	0%
HIGHBALL(12KV) - Customers: 1,630	4.0	0.0	1.0	191.7	1.1	2.0	104.5	1.1	1.0	196.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	212.1	1.0	0.0
3rd Party	0%	0%	0%	95%	95%	0%	69%	89%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	93%	97%	0%
Equipment Failure	0%	0%	0%	1%	1%	0%	29%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	53%	42%	0%	2%	3%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	47%	58%	100%	0%	0%	49%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	7%	2%	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%	2%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
KRAFT(12KV) - Customers: 1,391	66.5	0.9	0.2	549.8	3.0	1.3	996.7	2.5	2.2	0.0	0.0	0.0	64.6	0.1	0.0	597.5	0.6	0.0	202.6	1.0	0.1	864.7	1.8	0.1
3rd Party	92%	97%	100%	66%	30%	8%	7%	36%	4%	0%	0%	0%	90%	95%	0%	0%	0%	0%	0%	1%	0%	7%	8%	0%
Equipment Failure	0%	0%	0%	10%	33%	0%	39%	26%	0%	0%	0%	0%	10%	5%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Operation	8%	3%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	69%	33%	0%
Other	0%	0%	0%	15%	7%	78%	53%	36%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	87%	100%	13%	52%	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%	9%	30%	15%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	43%	12%	0%	10%	7%	0%
LA SIERRA(12KV) - Customers: 349	2.5	0.0	0.0	189.6	2.7	0.0	0.0	0.0	2.0	51.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	235.0	1.1	0.0	286.7	2.1	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%	46%	63%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	54%	37%	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%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	47%	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%	100%	100%	0%	82%	53%	0%

Reliability Histories for Individual Circuits Serving Jurupa Valley

	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
LARCH(33KV) - Customers: 3	563.0	1.0	0.0	1178.6	8.1	0.0	155.0	3.0	4.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
3rd Party	100%	100%	0%	4%	11%	0%	0%	0%	25%	0%	0%	33%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	0%	0%	0%	95%	79%	0%	72%	67%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	1%	11%	0%	28%	33%	25%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	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%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%
LIMONITE(33KV) - Customers: 2	1052.0	4.0	2.0	334.0	2.0	1.0	775.6	3.3	1.1	324.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	324.3	1.0	1.0
3rd Party	53%	25%	0%	75%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	41%	50%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	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	7%	25%	100%	0%	0%	0%	0%	0%	100%	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%	25%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MCENROE(12KV) - Customers: 73	0.0	0.0	1.0	49.9	1.9	0.0	0.0	0.0	0.0	31.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	1.0	0.0	41.3	3.0	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%	100%	100%	0%	0%	0%	0%	34%	50%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	51%	67%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	66%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49%	33%	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%	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%
MESCAL(12KV) - Customers: 125	0.0	0.0	0.0	9.9	0.0	0.0	14.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	36.1	2.0	0.0	0.0	0.0	0.0	36.1	2.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	41%	67%	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%	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%	59%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Jurupa Valley

	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
NAYLOR(12KV) - Customers: 1,528	641.7	4.8	3.0	73.0	1.1	1.0	392.4	3.0	3.9	88.1	1.0	2.7	8.1	0.1	0.0	21.0	0.1	0.0	0.0	0.0	0.0	117.2	1.2	2.7
3rd Party	52%	21%	33%	1%	0%	100%	42%	33%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	7%	8%	0%
Equipment Failure	28%	58%	0%	72%	9%	0%	8%	33%	0%	100%	100%	63%	0%	0%	0%	82%	74%	0%	0%	0%	0%	90%	91%	63%
Operation	0%	0%	0%	14%	3%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	18%	26%	0%	0%	0%	0%	3%	1%	0%
Other	0%	0%	67%	14%	87%	0%	0%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	41%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	21%	21%	0%	0%	0%	0%	9%	2%	24%	0%	0%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%
PACHAPPA(4.16KV) - Customers: 204	749.2	4.9	1.0	10.0	1.0	1.0	1770.0	7.0	4.0	209.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	209.4	1.0	0.0
3rd Party	60%	39%	0%	0%	0%	100%	9%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	20%	41%	0%	0%	0%	0%	72%	57%	25%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	100%	100%	0%	10%	14%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	8%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	19%	20%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PARCO(12KV) - Customers: 761	0.0	0.0	0.0	18.3	0.1	1.0	128.6	0.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.1	0.0	0.0	0.0	0.0	17.4	0.1	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	59%	43%	0%	29%	48%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	100%	70%	52%	63%	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%	41%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SEBASTIAN(4.16KV) - Customers: 388	583.7	2.0	0.0	615.8	2.2	0.0	540.4	2.6	14.3	1.6	0.0	1.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	4.4	0.0	1.1
3rd Party	96%	50%	0%	67%	46%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	4%	50%	0%	27%	9%	0%	6%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	38%	38%	38%	100%	100%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	100%	100%	4%
Other	0%	0%	0%	2%	45%	0%	56%	23%	50%	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%	5%	1%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%

Reliability Histories for Individual Circuits Serving Jurupa Valley

	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
SEVAINE(12KV) - Customers: 1,853	198.4	1.8	0.1	54.7	1.1	3.8	44.4	0.1	1.0	0.0	0.0	0.0	53.2	0.2	0.0	125.1	1.1	0.0	180.7	1.2	1.0	359.0	2.5	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	90%	91%	100%	97%	99%	48%	54%	43%	100%	0%	0%	0%	95%	76%	0%	0%	0%	0%	0%	0%	0%	14%	5%	0%
Operation	10%	9%	0%	3%	1%	0%	46%	57%	0%	0%	0%	0%	5%	24%	0%	8%	3%	0%	0%	0%	0%	4%	3%	0%
Other	0%	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	91%	97%	0%	83%	83%	0%	73%	83%	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%	17%	17%	100%	9%	9%	100%
SNIPES(12KV) - Customers: 2,054	2.6	0.0	0.0	2.0	0.0	2.0	101.1	1.2	1.1	1.8	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	87.9	1.0	0.0	94.1	1.1	0.0
3rd Party	0%	0%	0%	0%	0%	0%	95%	96%	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	100%	100%	0%	100%	100%	0%	5%	4%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	7%	5%	0%
Other	0%	0%	0%	0%	0%	100%	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%	100%	100%	0%	93%	95%	0%
STAGHORN(12KV) - Customers: 1,107	34.2	0.1	2.0	254.5	2.3	0.3	217.8	2.8	4.3	383.4	2.0	1.3	0.0	0.0	1.0	84.9	1.0	0.0	627.7	3.2	0.4	1096.0	6.2	2.7
3rd Party	34%	73%	0%	13%	11%	0%	17%	36%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	32%	100%	5%	16%	14%
Equipment Failure	66%	27%	50%	86%	88%	100%	0%	0%	0%	100%	100%	72%	0%	0%	0%	100%	100%	0%	4%	1%	0%	45%	49%	36%
Operation	0%	0%	0%	1%	1%	0%	61%	43%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	50%	0%	0%	0%	0%	0%	47%	0%	0%	28%	0%	0%	100%	0%	0%	0%	10%	32%	0%	6%	16%	50%
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%	21%	22%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	35%	0%	44%	18%	0%
TENDER(12KV) - Customers: 1,393	196.7	1.2	1.0	2.9	0.0	0.0	36.9	2.1	0.0	0.0	0.0	0.0	90.5	1.0	0.0	0.0	0.0	1.0	122.6	1.0	0.0	213.1	2.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	100%	0%	0%	0%	0%	0%	0%	0%	42%	49%	0%
Equipment Failure	64%	87%	0%	0%	0%	0%	23%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	36%	13%	0%	100%	100%	0%	77%	99%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	58%	51%	0%

Reliability Histories for Individual Circuits Serving Jurupa Valley

	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
TEXFI(12KV) - Customers: 1,424	81.8	2.1	1.0	106.0	0.4	1.0	378.3	0.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	0.1	0.0	27.1	0.1	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	99%	100%	99%	47%	43%	0%	14%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	1%	0%	0%	30%	36%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	1%	23%	21%	100%	85%	83%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	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%
WINEVILLE(12KV) - Customers: 854	5.5	0.0	0.0	4.9	0.0	0.0	16.7	0.0	1.0	0.0	0.0	0.0	106.2	1.0	1.9	0.5	0.0	0.0	0.0	0.0	0.0	106.7	1.0	1.9
3rd Party	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	21%	28%	0%	0%	0%	0%	5%	1%	0%	100%	100%	0%	0%	0%	0%	6%	2%	0%
Operation	0%	0%	0%	0%	0%	0%	79%	72%	0%	0%	0%	0%	5%	4%	0%	0%	0%	0%	0%	0%	0%	5%	4%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	94%	100%	0%	0%	0%	0%	0%	0%	89%	94%	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%
WINNEBAGO(12KV) - Customers: 1,548	496.5	2.3	1.1	75.4	2.0	4.0	698.4	4.6	1.0	2.0	0.0	0.0	87.7	2.1	0.0	16.0	1.0	1.0	0.0	0.0	1.0	105.7	3.1	2.0
3rd Party	53%	44%	0%	0%	0%	50%	61%	53%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	15%	32%	50%
Equipment Failure	41%	50%	100%	66%	49%	0%	39%	47%	0%	100%	100%	0%	42%	54%	0%	0%	0%	0%	0%	0%	100%	36%	37%	50%
Operation	6%	6%	0%	21%	1%	0%	0%	0%	0%	0%	0%	0%	58%	46%	0%	0%	0%	0%	0%	0%	0%	48%	31%	0%
Other	0%	0%	0%	0%	0%	50%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	13%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%