



Circuit Reliability Review

Moreno 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://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 Menifee District

Box Springs Mountain

East Hemet

Good Hope

Hemet

Homeland

Idyllwild-Pine Cove

Juniper Flats

Lakeview

March Afb

Meadowbrook

Menifee

Moreno Valley

Mountain Center

Nuevo

Perris

Riverside

San Jacinto

Valle Vista

Winchester

Woodcrest

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.

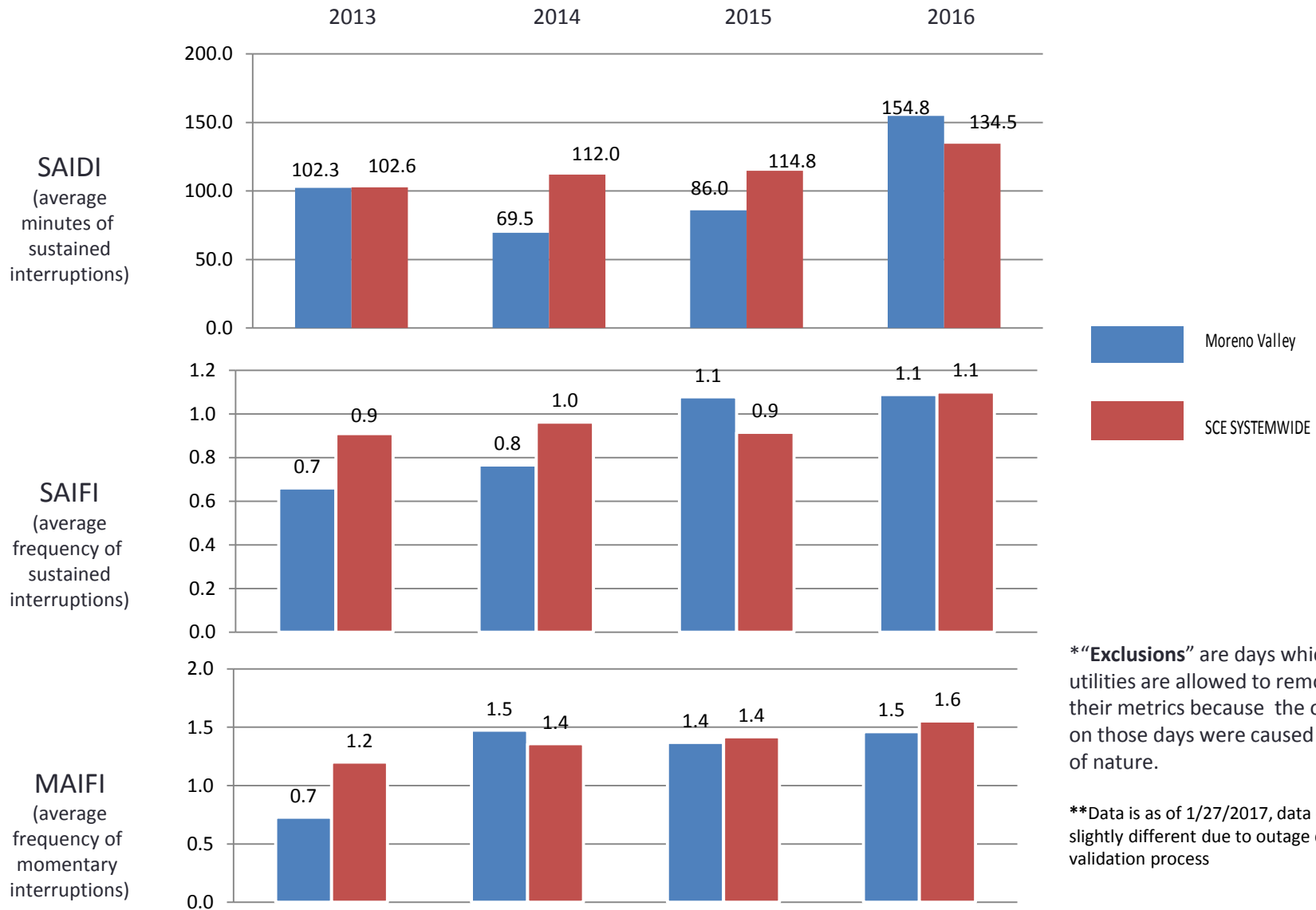
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Moreno Valley

There are 38 circuits that serve Moreno Valley

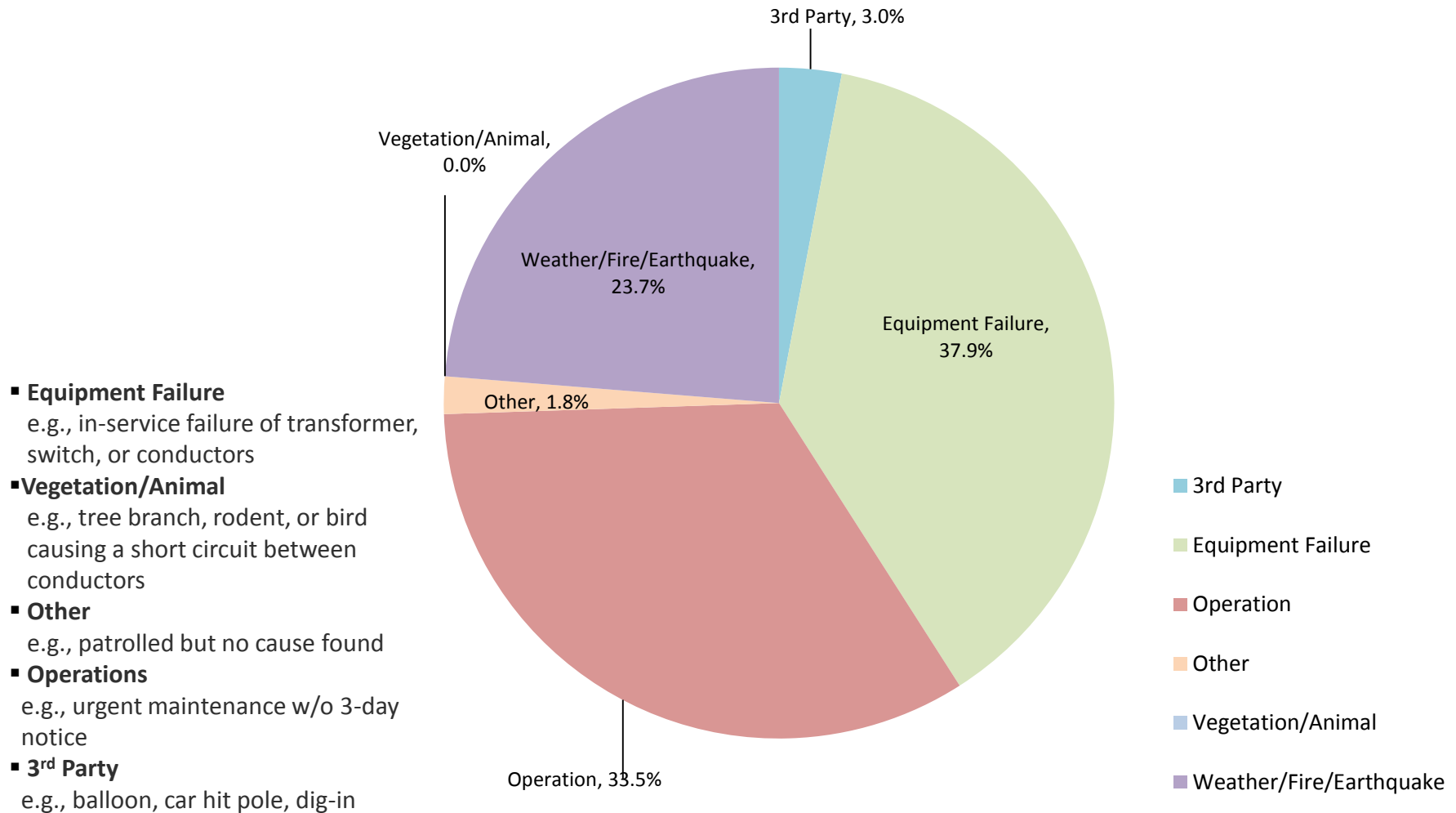
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ACCENT(12KV)	1,582	RIVARD(12KV)	782				
BARBEE(12KV)	1,296	ROWE(12KV)	1,522				
BARRATT(12KV)	1,983	SNYDER(12KV)	2,345				
BASIL(12KV)	1,536	SPICE(12KV)	1,374				
BAZOOKA(12KV)	1,064	TRINITY(12KV)	1,450				
BENTON(12KV)	2,316	TURMERIC(12KV)	2,350				
BRUTTE(12KV)	1,765	WESTBLUFF(12KV)	1,396				
CLOVE(12KV)	962	ZANTAR(12KV)	1,638				
DILL(12KV)	1,225						
DUDA(12KV)	782						
EDWIN(12KV)	1,080						
ELSWORTH(12KV)	1,886						
FANTASTICO(12KV)	1,369						
FLAKE(12KV)	2,105						
GAMBLE(12KV)	1,728						
GINGER(12KV)	939						
GRAHAM(12KV)	1,672						
HACKLER(12KV)	1,872						
HAMMOCK(33KV)	5						
HEACOCK(12KV)	2,616						
HEERS(12KV)	1,977						
IRONWOOD(33KV)	8						
KINGSWAY(12KV)	1,331						
LANDMARK(12KV)	786						
NANCE(12KV)	1,660						
OLIVER(33KV)	10						
OUTLAW(12KV)	727						
REAGAN(12KV)	1,034						
REAKES(12KV)	1,762						
RECHE(12KV)	1,848						
Grand Total	53,783						

Reliability History of Circuits Serving Moreno Valley (No Exclusions)



Causes of Repair Outages in Moreno Valley Circuits 2016 YTD

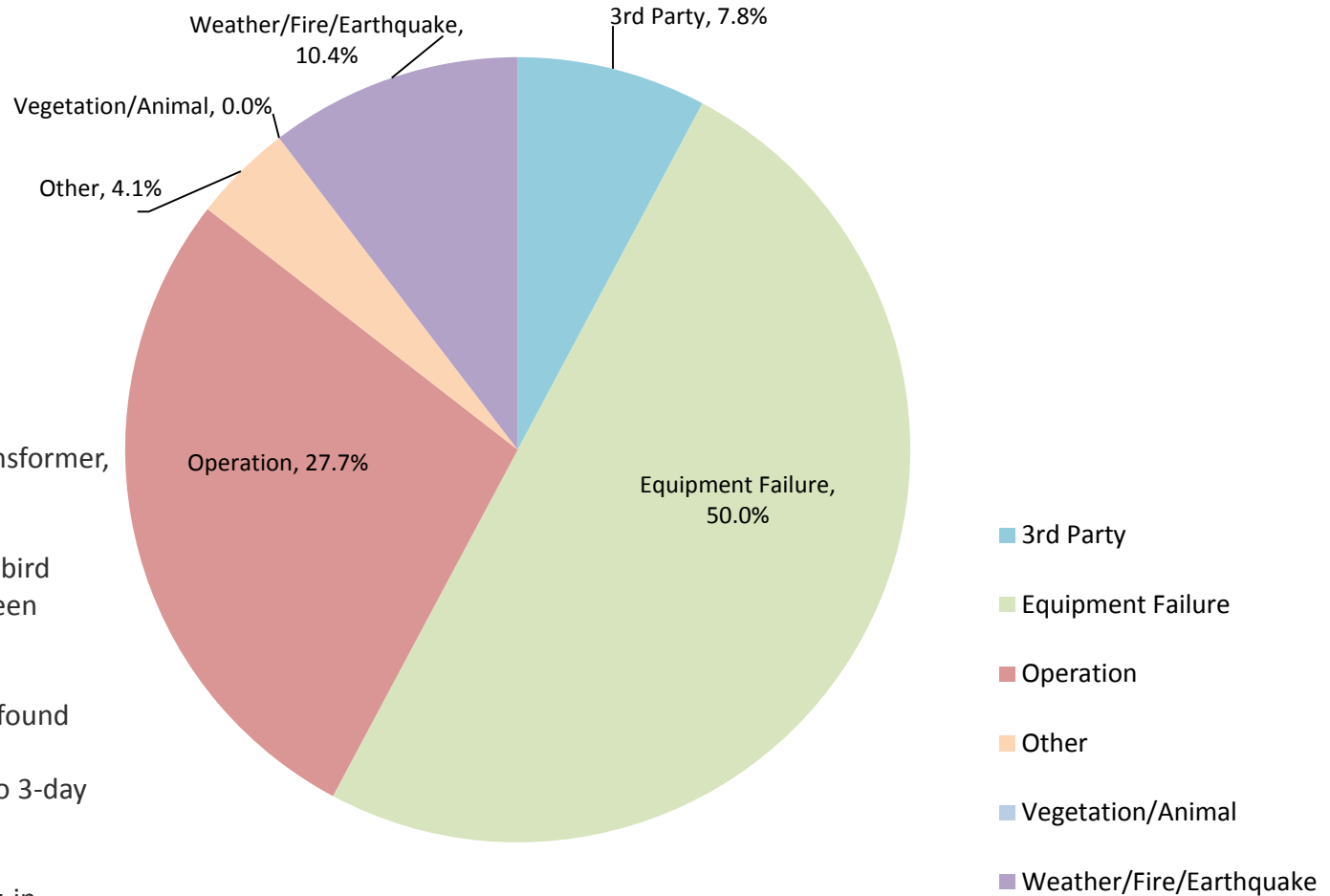
Contributions to SAIDI by Outage Cause



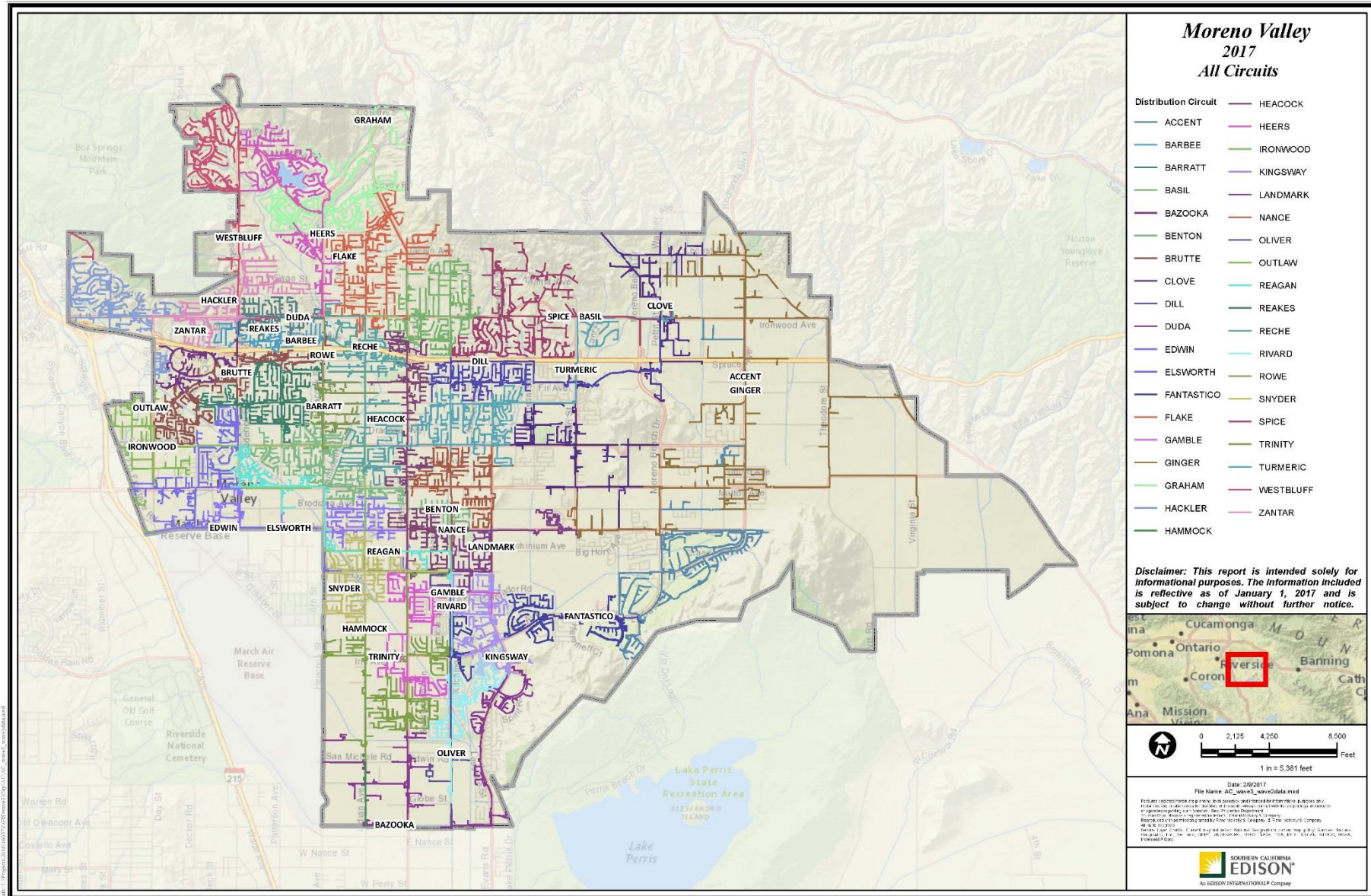
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

Causes of Repair Outages in Moreno Valley Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



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



Moreno Valley 2017 Capital Improvement Plan

Replacement/Equipment Upgrade

Electrical Equipment Replacement

Pole Replacement

Other Work

Circuit Rebuild

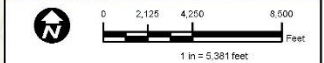
Structures & Equipment

Replacement/Equipment Upgrade (Transmission)

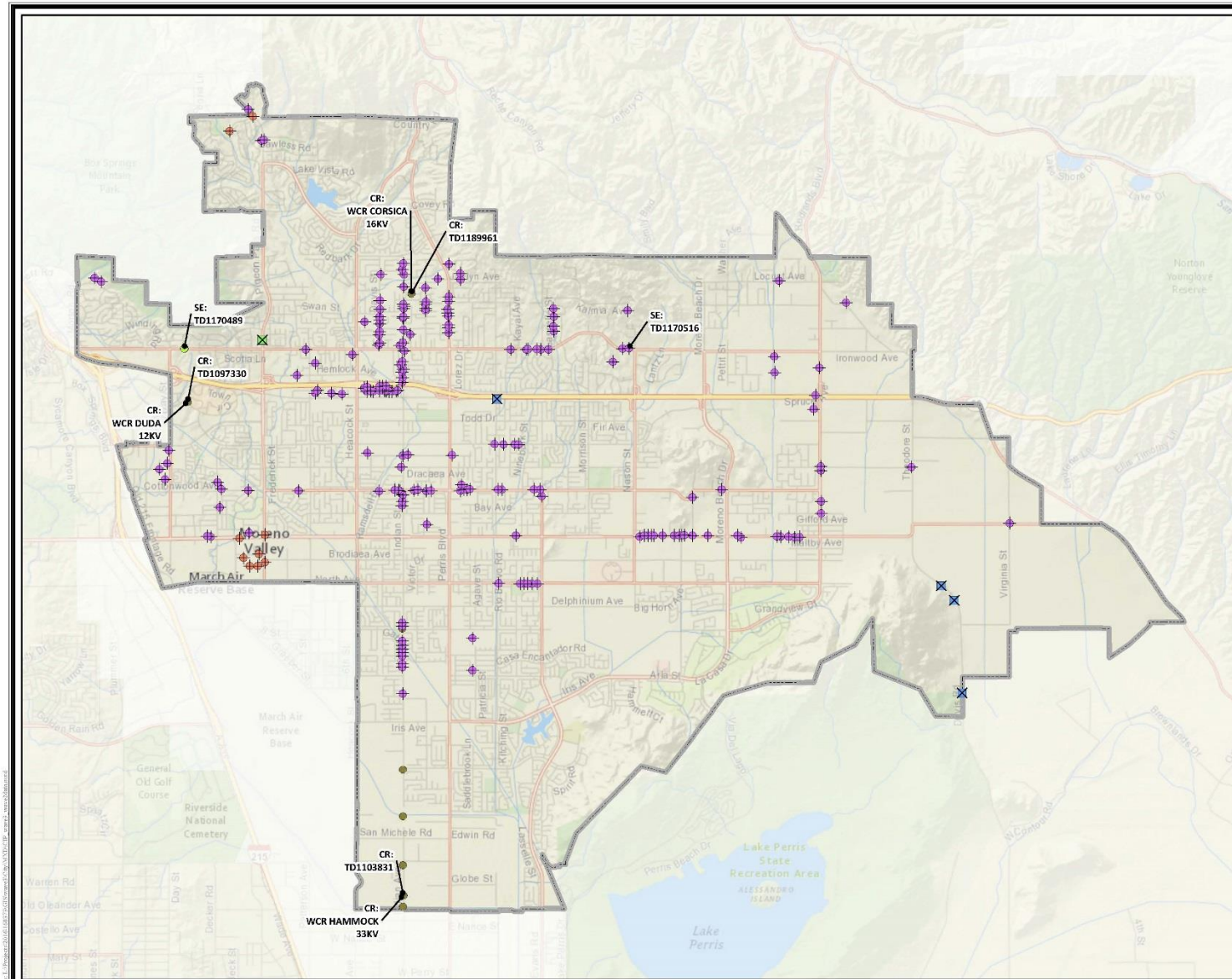
Electrical Equipment Replacement

Pole Replacement

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.



Date: 2/14/2017
File Name: CIP_2017_mvp2017a.mxd
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Back-up Slides

Reliability Histories of Circuits Serving Moreno Valley

Updated through Year-End 2016

Average Reliability of 38 Circuits Serving Moreno 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
Moreno Valley	102.3	0.7	0.7	69.5	0.8	1.5	86.0	1.1	1.4	18.3	0.2	0.1	29.3	0.2	0.6	16.2	0.1	0.2	91.0	0.5	0.6	154.8	1.1	1.5
3rd Party	49%	41%	57%	24%	16%	17%	35%	20%	23%	7%	13%	33%	5%	7%	10%	11%	26%	35%	0%	0%	11%	3%	8%	15%
Equipment Failure	35%	41%	25%	27%	19%	9%	29%	18%	16%	91%	85%	51%	70%	61%	67%	72%	56%	26%	11%	25%	2%	38%	50%	36%
Operation	16%	8%	5%	11%	9%	2%	6%	5%	10%	2%	2%	0%	25%	32%	11%	15%	17%	0%	46%	42%	77%	34%	28%	35%
Other	0%	4%	7%	23%	43%	65%	19%	44%	49%	0%	0%	0%	0%	0%	12%	2%	1%	39%	3%	9%	9%	2%	4%	13%
Vegetation/Animal	1%	6%	5%	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%	15%	12%	6%	11%	13%	3%	0%	0%	16%	0%	0%	0%	0%	0%	0%	40%	24%	0%	24%	10%	1%
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 Moreno 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
ACCENT(12KV) - Customers: 1,582	111.3	1.1	0.3	7.0	0.1	0.0	36.6	0.2	2.0	0.0	0.0	0.0	109.7	1.1	1.0	0.0	0.0	0.6	245.7	1.0	0.0	355.5	2.1	1.6
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	3%	100%	0%	0%	0%	0%	0%	0%	6%	2%	61%
Equipment Failure	94%	96%	100%	0%	0%	0%	83%	75%	0%	0%	0%	0%	82%	97%	0%	0%	0%	0%	0%	0%	0%	25%	51%	0%
Operation	6%	4%	0%	100%	100%	0%	17%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	69%	47%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	39%
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%
BARBEE(12KV) - Customers: 1,296	37.6	0.2	0.0	33.8	1.0	1.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0
3rd Party	0%	0%	0%	14%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	3%	0%	0%	71%	35%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Operation	0%	0%	0%	0%	0%	0%	29%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Other	0%	0%	0%	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%	83%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BARRATT(12KV) - Customers: 1,983	0.0	0.0	0.0	6.2	0.0	1.0	160.9	0.1	1.0	137.3	1.0	0.0	61.2	0.1	1.0	10.5	0.1	0.0	0.0	0.0	1.0	208.9	1.2	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%	100%	100%	100%	100%	100%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	95%	93%	50%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	100%	5%	7%	50%
Other	0%	0%	0%	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%
BASIL(12KV) - Customers: 1,536	26.8	0.2	0.0	28.6	0.1	0.0	135.9	1.0	1.0	0.0	0.0	0.0	23.6	0.1	0.0	0.0	0.0	1.0	170.1	1.0	0.0	193.7	1.1	1.0
3rd Party	0%	0%	0%	0%	0%	0%	90%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Equipment Failure	85%	64%	0%	100%	99%	0%	9%	4%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	12%	7%	0%
Operation	15%	36%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	88%	93%	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%

Reliability Histories for Individual Circuits Serving Moreno 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
BAZOOKA(12KV) - Customers: 1,064	62.1	2.0	4.9	524.8	4.2	12.0	10.2	1.1	1.1	0.0	0.0	1.0	0.0	0.0	1.0	1.5	0.0	0.1	0.0	0.0	0.0	1.5	0.0	2.1
3rd Party	0%	0%	20%	18%	29%	1%	69%	93%	0%	0%	0%	100%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	52%
Equipment Failure	100%	100%	80%	0%	0%	0%	12%	3%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	18%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	82%	71%	99%	0%	0%	92%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	48%
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%
BENTON(12KV) - Customers: 2,316	4.7	0.0	0.0	1.5	0.0	2.0	89.8	2.1	2.9	149.8	1.1	0.0	0.0	0.0	0.0	2.3	0.1	0.0	20.0	0.1	0.0	172.0	1.2	0.0
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	85%	49%	100%	100%	100%	0%	57%	47%	0%	96%	94%	0%	0%	0%	0%	21%	35%	0%	100%	100%	0%	96%	91%	0%
Operation	15%	51%	0%	0%	0%	0%	9%	3%	0%	4%	6%	0%	0%	0%	0%	79%	65%	0%	0%	0%	0%	4%	9%	0%
Other	0%	0%	0%	0%	0%	50%	34%	50%	33%	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%
BRUTTE(12KV) - Customers: 1,765	0.0	0.0	0.0	9.8	1.0	1.0	1.2	0.0	1.0	0.9	0.0	0.0	6.7	0.0	1.0	54.5	1.0	0.0	0.0	0.0	1.0	62.1	1.1	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	99%	99%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Operation	0%	0%	0%	18%	2%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	1%	1%	50%
Other	0%	0%	0%	82%	98%	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%	0%	0%	0%	0%	0%	0%
CLOVE(12KV) - Customers: 962	267.8	3.3	0.9	354.0	2.9	3.2	77.3	1.0	2.0	7.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	273.8	1.0	0.0	280.9	1.1	0.0
3rd Party	0%	0%	0%	1%	0%	0%	77%	53%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	96%	56%	100%	3%	34%	68%	12%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	1%	1%	0%	1%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Other	4%	44%	0%	0%	0%	32%	9%	45%	78%	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%	96%	65%	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 Moreno 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
DILL(12KV) - Customers: 1,225	0.0	0.0	0.0	26.0	0.0	0.0	29.9	0.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	252.0	1.0	0.0	252.0	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	70%	13%	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%	100%	100%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	0%	30%	87%	20%	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%
DUDA(12KV) - Customers: 782	0.0	0.0	0.0	13.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Other	0%	0%	0%	100%	100%	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%
EDWIN(12KV) - Customers: 1,080	30.9	0.3	0.0	73.8	0.1	0.0	61.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.2	0.4	0.0	1.6	0.0	0.0	109.8	0.4	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	91%	50%	0%	0%	0%	0%	38%	6%	0%	0%	0%	0%	0%	0%	0%	81%	40%	0%	0%	0%	0%	79%	39%	0%
Operation	9%	50%	0%	100%	100%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	19%	60%	0%	100%	100%	0%	21%	61%	0%
Other	0%	0%	0%	0%	0%	0%	61%	93%	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%
ELSWORTH(12KV) - Customers: 1,886	0.0	0.0	2.0	15.7	0.0	0.0	164.6	2.5	4.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	120.7	2.3	1.2	120.7	2.3	2.2
3rd Party	0%	0%	100%	0%	0%	0%	0%	0%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	56%	25%	34%	0%	0%	100%	0%	0%	0%	0%	0%	0%	40%	47%	13%	40%	47%	54%
Operation	0%	0%	0%	0%	0%	0%	21%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	23%	42%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	53%	87%	60%	53%	46%
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 Moreno 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
FANTASTICO(12KV) - Customers: 1,369	12.7	0.1	0.0	96.9	0.2	0.0	86.2	1.4	0.7	0.0	0.0	0.0	2.9	0.0	0.0	19.3	0.1	0.0	0.0	0.0	0.0	22.2	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	50%	36%	0%	0%	0%	0%	50%	19%	100%	0%	0%	0%	0%	0%	0%	50%	41%	0%	0%	0%	0%	43%	29%	0%
Operation	50%	64%	0%	100%	100%	0%	2%	1%	0%	0%	0%	0%	100%	100%	0%	50%	59%	0%	0%	0%	0%	57%	71%	0%
Other	0%	0%	0%	0%	0%	0%	48%	80%	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%
FLAKE(12KV) - Customers: 2,105	3.2	0.0	3.0	5.5	0.0	1.0	10.2	0.1	1.0	0.0	0.0	0.0	0.0	0.0	1.0	36.5	0.2	0.0	0.0	0.0	1.0	36.5	0.2	2.0
3rd Party	100%	100%	67%	0%	0%	0%	0%	0%	100%	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%	0%	0%	0%	0%	0%	100%	78%	65%	0%	0%	0%	0%	78%	65%	50%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	22%	35%	0%	0%	0%	100%	22%	35%	50%
Other	0%	0%	33%	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%
GAMBLE(12KV) - Customers: 1,728	174.7	1.3	1.0	5.9	0.2	1.0	29.2	1.0	0.0	39.2	1.0	0.0	4.2	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0	51.9	1.1	0.0
3rd Party	100%	100%	100%	42%	9%	100%	1%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	95%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	8%	3%	0%
Operation	0%	0%	0%	58%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	16%	3%	0%
Other	0%	0%	0%	0%	0%	0%	99%	100%	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%
GINGER(12KV) - Customers: 939	0.5	0.0	0.0	283.2	3.0	2.0	377.2	1.9	1.3	91.8	2.5	3.2	26.4	1.0	0.0	3.9	0.1	0.0	194.4	1.0	2.0	316.5	4.5	5.3
3rd Party	0%	0%	0%	0%	0%	0%	72%	53%	0%	1%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	38%
Equipment Failure	100%	100%	0%	12%	1%	0%	25%	44%	23%	99%	100%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	54%	24%
Operation	0%	0%	0%	7%	1%	0%	0%	2%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	99%	100%	0%	71%	46%	0%
Other	0%	0%	0%	81%	98%	100%	0%	0%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	50%	0%	0%	19%
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%	2%	2%	0%	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%

Reliability Histories for Individual Circuits Serving Moreno 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
GRAHAM(12KV) - Customers: 1,672	40.2	0.1	0.0	101.0	2.4	2.0	50.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.9	0.0	1.0	3.9	0.0	2.0
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	73%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	50%
Other	0%	0%	0%	27%	83%	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%	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%
HACKLER(12KV) - Customers: 1,872	43.0	0.1	1.0	50.8	1.2	1.0	6.1	0.0	5.0	0.0	0.0	0.0	214.9	1.3	2.3	8.9	0.1	0.0	709.7	2.0	1.1	933.5	3.4	3.3
3rd Party	4%	9%	0%	0%	0%	0%	25%	3%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	96%	91%	100%	51%	2%	0%	13%	9%	0%	0%	0%	0%	98%	98%	100%	100%	100%	0%	2%	1%	0%	25%	41%	68%
Operation	0%	0%	0%	32%	16%	0%	61%	88%	20%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	95%	0%	1%	30%
Other	0%	0%	0%	16%	82%	100%	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	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%	98%	99%	5%	74%	59%	2%
HAMMOCK(33KV) - Customers: 5	141.0	2.0	4.0	334.0	5.0	6.0	377.3	5.6	5.9	0.0	0.0	1.8	7.1	0.9	1.8	0.0	0.0	0.2	248.7	2.4	0.0	255.8	3.3	3.8
3rd Party	100%	100%	25%	68%	50%	75%	31%	55%	24%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	3%	27%	0%
Equipment Failure	0%	0%	25%	0%	0%	0%	0%	0%	5%	0%	0%	100%	0%	0%	0%	0%	0%	0%	55%	45%	0%	53%	33%	47%
Operation	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	3%	9%	0%	3%	7%	24%
Other	0%	0%	50%	30%	40%	0%	62%	20%	43%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	29%
Vegetation/Animal	0%	0%	0%	2%	10%	17%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	6%	25%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	42%	45%	0%	41%	33%	0%
HEACOCK(12KV) - Customers: 2,616	450.8	1.3	1.6	106.4	1.2	2.0	249.3	3.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.0	1.1	0.0	81.0	1.1	0.0
3rd Party	0%	0%	0%	63%	86%	50%	53%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	37%	82%	53%	29%	9%	0%	35%	34%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	94%	0%	97%	94%	0%
Operation	63%	18%	47%	8%	5%	0%	0%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	6%	0%	3%	6%	0%
Other	0%	0%	0%	0%	0%	50%	11%	32%	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 Moreno 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
HEERS(12KV) - Customers: 1,977	447.6	2.4	3.6	33.3	1.2	1.0	29.0	1.0	0.0	0.0	0.0	0.0	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.4	0.0	2.0
3rd Party	66%	12%	73%	65%	3%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	29%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Operation	0%	0%	0%	11%	12%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	50%
Other	0%	0%	0%	24%	86%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	5%	41%	27%	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%
IRONWOOD(33KV) - Customers: 8	165.0	2.0	0.8	28.0	1.0	1.0	20.8	1.0	1.0	0.0	0.0	0.0	63.3	2.0	0.0	0.0	0.0	0.0	75.3	0.9	0.0	138.7	2.8	0.0
3rd Party	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	12%	50%	0%	0%	0%	0%	0%	0%	0%	6%	35%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	50%	0%	0%	0%	0%	100%	100%	0%	94%	65%	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%	100%	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%	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%
KINGSWAY(12KV) - Customers: 1,331	261.7	1.1	0.0	17.0	0.0	0.0	37.6	0.9	0.0	0.0	0.0	0.0	2.5	0.0	0.0	210.6	1.2	0.5	13.5	0.1	0.0	226.7	1.4	0.5
3rd Party	93%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	4%	6%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	91%	82%	100%	76%	73%	0%	89%	79%	100%
Operation	3%	5%	0%	0%	0%	0%	13%	4%	0%	0%	0%	0%	100%	100%	0%	9%	18%	0%	24%	27%	0%	11%	21%	0%
Other	0%	0%	0%	0%	0%	0%	87%	96%	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%
LANDMARK(12KV) - Customers: 786	0.0	0.0	0.0	87.4	1.0	3.0	29.1	1.0	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	0.6	0.0	0.0
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%	100%	100%	67%	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%	100%	100%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	0%	100%	100%	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 Moreno 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
NANCE(12KV) - Customers: 1,660	229.9	1.6	0.0	0.0	0.0	1.0	36.9	1.0	0.0	0.0	0.0	0.0	13.2	0.1	1.0	92.2	1.0	0.9	14.7	0.1	1.0	120.0	1.2	2.9
3rd Party	77%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	34%
Equipment Failure	23%	5%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	0%	89%	93%	32%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	11%	7%	0%
Other	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	34%
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%
OLIVER(33KV) - Customers: 10	35.7	0.7	1.4	183.3	3.1	8.1	862.7	3.0	6.5	3.4	0.1	0.0	116.2	1.7	0.6	84.0	1.0	1.0	0.0	0.0	0.3	203.6	2.8	1.9
3rd Party	100%	100%	0%	65%	64%	25%	20%	9%	0%	0%	0%	0%	7%	59%	0%	0%	0%	0%	0%	0%	0%	4%	36%	0%
Equipment Failure	0%	0%	50%	35%	36%	4%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	1%	9%	0%	100%	100%	0%	62%	6%	0%	0%	0%	0%	0%	0%	0%	37%	7%	0%
Other	0%	0%	50%	0%	0%	44%	21%	73%	71%	0%	0%	0%	31%	35%	50%	0%	0%	0%	0%	0%	100%	17%	21%	32%
Vegetation/Animal	0%	0%	0%	0%	0%	28%	19%	5%	10%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	68%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	39%	5%	8%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	41%	36%	0%
OUTLAW(12KV) - Customers: 727	218.7	2.0	0.8	156.0	2.0	4.0	115.9	2.6	4.0	0.0	0.0	0.0	63.9	2.0	0.0	0.0	0.0	0.0	86.4	1.0	1.0	150.3	3.0	1.0
3rd Party	0%	0%	0%	18%	50%	0%	3%	0%	0%	0%	0%	0%	12%	50%	0%	0%	0%	0%	0%	0%	100%	5%	33%	100%
Equipment Failure	100%	100%	0%	0%	0%	0%	28%	38%	50%	0%	0%	0%	88%	50%	0%	0%	0%	0%	100%	100%	0%	95%	67%	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%	82%	50%	100%	69%	62%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
REAGAN(12KV) - Customers: 1,034	85.5	1.1	0.0	0.0	0.0	0.0	28.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.3	0.6	0.4	57.3	0.6	0.4
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	17%	0%	16%	17%	0%
Equipment Failure	96%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	84%	83%	100%	84%	83%	100%
Operation	4%	2%	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%	100%	100%	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 Moreno 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	
REAKES(12KV) - Customers: 1,762	24.7	0.1	1.9	28.4	0.0	1.0	0.7	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	12.9	0.2	1.0	12.9	0.2	3.0	
3rd Party	100%	100%	100%	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%	98%	50%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	33%	
Operation	0%	0%	0%	0%	0%	0%	2%	50%	100%	0%	0%	0%	0%	0%	50%	0%	0%	0%	100%	100%	100%	100%	100%	67%	
Other	0%	0%	0%	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%	
RECHE(12KV) - Customers: 1,848	7.3	0.0	0.0	277.2	2.1	3.0	149.0	2.0	3.0	0.0	0.0	0.0	246.0	2.2	1.9	2.4	0.0	0.0	0.0	0.0	0.0	1.0	248.5	2.2	2.9
3rd Party	0%	0%	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%	0%	34%	
Equipment Failure	0%	0%	0%	64%	49%	33%	0%	0%	33%	0%	0%	0%	68%	52%	0%	0%	0%	0%	0%	0%	0%	68%	52%	0%	
Operation	100%	100%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%	32%	48%	48%	0%	0%	0%	0%	0%	100%	31%	48%	66%	
Other	0%	0%	0%	0%	0%	33%	0%	0%	33%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	1%	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%	34%	49%	33%	98%	99%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
RIVARD(12KV) - Customers: 782	58.1	1.0	0.0	0.0	0.0	0.0	157.2	2.0	0.0	0.0	0.0	0.0	264.7	0.8	0.0	6.7	0.0	0.0	0.0	0.0	1.0	271.4	0.9	1.0	
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	7%	0%	0%	0%	0%	0%	0%	0%	12%	6%	0%	
Equipment Failure	0%	0%	0%	0%	0%	0%	74%	47%	0%	0%	0%	0%	5%	8%	0%	0%	0%	0%	0%	0%	0%	5%	8%	0%	
Operation	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	83%	85%	0%	100%	100%	0%	0%	0%	100%	84%	86%	100%	
Other	0%	0%	0%	0%	0%	0%	24%	51%	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%	
ROWE(12KV) - Customers: 1,522	94.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	
3rd Party	100%	100%	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%	50%	
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%	
Other	0%	0%	0%	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 Moreno 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
SNYDER(12KV) - Customers: 2,345	233.0	1.0	0.9	0.0	0.0	1.0	33.7	1.0	0.0	79.6	1.9	0.0	0.0	0.0	0.0	13.8	0.1	0.0	286.9	1.0	0.0	380.2	3.0	0.0
3rd Party	100%	100%	100%	0%	0%	100%	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%	19%	3%	0%	100%	100%	0%	0%	0%	0%	69%	64%	100%	0%	0%	0%	23%	66%	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%	0%	81%	97%	0%	0%	0%	0%	0%	0%	0%	31%	36%	0%	0%	0%	0%	1%	1%	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%	75%	33%	0%
SPICE(12KV) - Customers: 1,374	303.5	2.2	0.0	43.9	1.0	0.0	325.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.1	0.0	305.5	1.0	0.0	314.4	1.1	0.0
3rd Party	89%	98%	0%	0%	0%	0%	99%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	11%	2%	0%	10%	3%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	3%	6%	0%
Operation	0%	0%	0%	90%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	97%	94%	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%
TRINITY(12KV) - Customers: 1,450	1.1	0.1	0.0	253.0	2.8	5.0	59.4	1.2	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	0.0
3rd Party	0%	0%	0%	74%	36%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	25%	53%	0%	23%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	1%	11%	20%	9%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	60%	67%	91%	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%
TURMERIC(12KV) - Customers: 2,350	0.0	0.0	0.0	94.1	0.2	2.4	249.2	3.4	5.6	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	1.0	162.2	1.0	0.0	166.6	1.1	1.0
3rd Party	0%	0%	0%	98%	98%	0%	49%	19%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	4%	2%	6%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	42%	6%	29%	82%	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%	2%	2%	58%	36%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Moreno 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
WESTBLUFF(12KV) - Customers: 1,396	43.9	1.0	0.0	37.4	1.1	1.5	60.4	0.2	1.0	10.6	0.1	0.0	11.2	0.2	2.0	1.9	0.0	1.0	1.5	0.1	2.1	25.2	0.4	5.1
3rd Party	0%	0%	0%	0%	0%	24%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	7%	2%	20%
Equipment Failure	9%	0%	0%	73%	10%	0%	0%	0%	0%	100%	100%	0%	70%	47%	50%	0%	0%	0%	0%	0%	0%	73%	45%	19%
Operation	91%	100%	0%	6%	1%	8%	12%	45%	0%	0%	0%	0%	30%	53%	0%	0%	0%	0%	100%	100%	100%	19%	52%	41%
Other	0%	0%	0%	21%	89%	68%	82%	54%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	20%
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%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ZANTAR(12KV) - Customers: 1,638	0.0	0.0	0.0	10.3	0.1	1.0	19.7	0.2	0.1	0.0	0.0	0.0	16.9	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	16.9	0.0	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%	100%	100%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	50%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Other	0%	0%	0%	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%