



# Circuit Reliability Review

## **Riverside District 2**

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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 Ontario, Foothill, Menifee, Redlands Districts

Anaheim

Banning

Beaumont

Bloomington

Box Springs Mountain

Calimesa

Cherry Valley

Chino

Chino Hills

Colton

Corona

East Hemet

Eastvale

El Cerrito

Fontana

Glen Avon

Good Hope

Grand Terrace

Hemet

Highgrove

Highland

Home Gardens

Homeland

Idyllwild-Pine Cove

Juniper Flats

Jurupa Valley

Lakeview

Loma Linda

March Afb

Meadowbrook

Menifee

Mentone

Mira Loma

Montclair

Moreno Valley

Mountain Center

Muscoy

Norco

Nuevo

Ontario

Pedley

Perris

Rancho Cucamonga

Redlands

Rialto

**Riverside**

Rubidoux

San Antonio Heights

San Bernardino

San Jacinto

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
<b>SCE SystemWide</b>	<b>108.13</b>		<b>0.89</b>		<b>102.61</b>		<b>0.91</b>		<b>112.00</b>		<b>0.96</b>		<b>114.83</b>		<b>0.92</b>		<b>134.48</b>		<b>1.10</b>	

\*\*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.

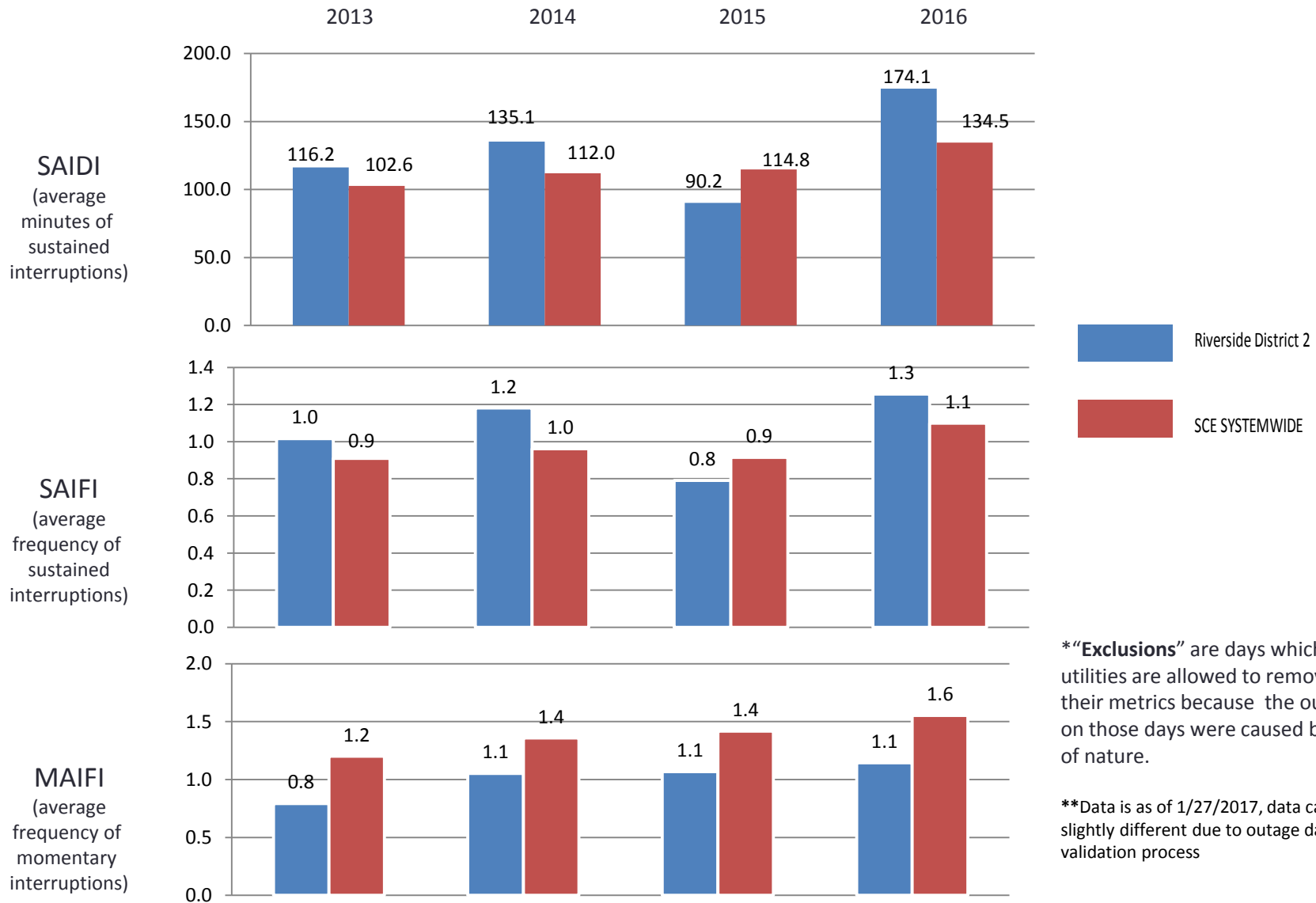
\*\*In the columns showing "Rank," lower numbers indicate poorer performance.

# Overview of Riverside District 2

## There are 42 circuits that serve Riverside District 2

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ADELL(12KV)	1,434	PORPHYRY(33KV)	8				
ARLINGTON(12KV)	1,031	PRESTON(12KV)	1,887				
ATENTO(12KV)	2,226	QUARRY(12KV)	1,432				
BIGGS(4.16KV)	74	RETREAT(12KV)	550				
BOBBIT(12KV)	1,527	SERFAS(12KV)	112				
BOLLERO(12KV)	1,524	SEVAINE(12KV)	1,853				
BUTTERFIELD(12KV)	1,442	STROH(4.16KV)	157				
CERAMIC(4.16KV)	375	TIN MINE(12KV)	30				
CHIMAY(12KV)	1,143	URBITA(12KV)	1,790				
CONESTOGA(12KV)	1,172	WEIRICK(12KV)	971				
CORONITA(12KV)	2,382	WHISPER(12KV)	147				
DIPLOMAT(12KV)	1,015	WYLE(12KV)	1,726				
DOMIC(12KV)	1,459						
FLEETWOOD(12KV)	325						
GALENA(12KV)	1,715						
GLOBE MILLS(12KV)	915						
HARLOW(12KV)	696						
HIGHBALL(12KV)	1,630						
INTERPACE(33KV)	8						
LA SIERRA(12KV)	349						
LAST(12KV)	1,339						
LESTER(12KV)	1,585						
MACIEL(12KV)	2,126						
NEW CASTLE(12KV)	832						
ONBORD(12KV)	1,346						
OWENS(33KV)	16						
PALACE(12KV)	689						
PLACID(12KV)	3,202						
POLYMER(12KV)	28						
PORCELAIN(4.16KV)	95						
<b>Grand Total</b>	<b>44,363</b>						

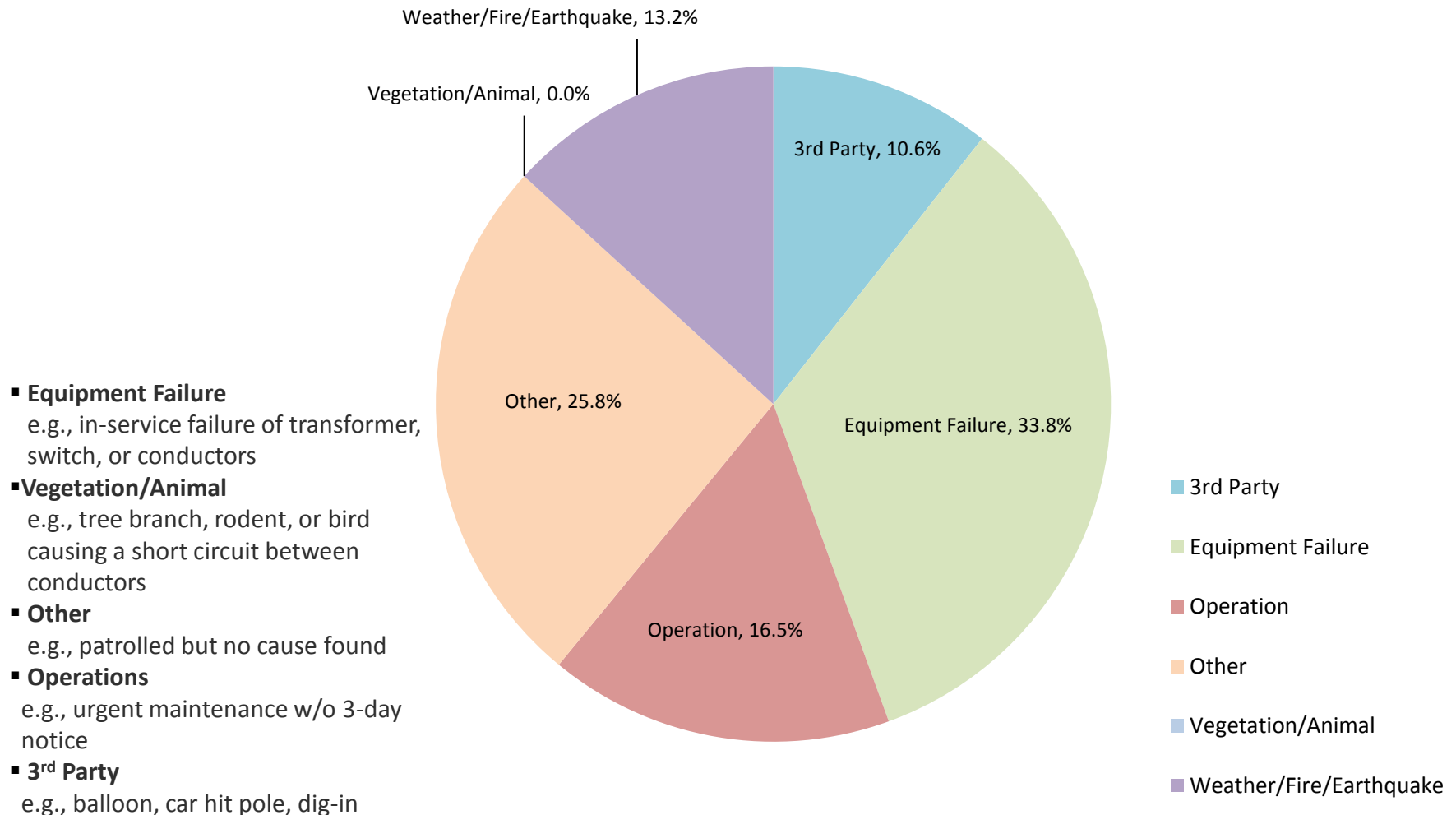
## Reliability History of Circuits Serving Riverside District 2 (No Exclusions)





# Causes of Repair Outages in Riverside District 2 Circuits 2016 YTD

## Contributions to SAIDI by Outage Cause

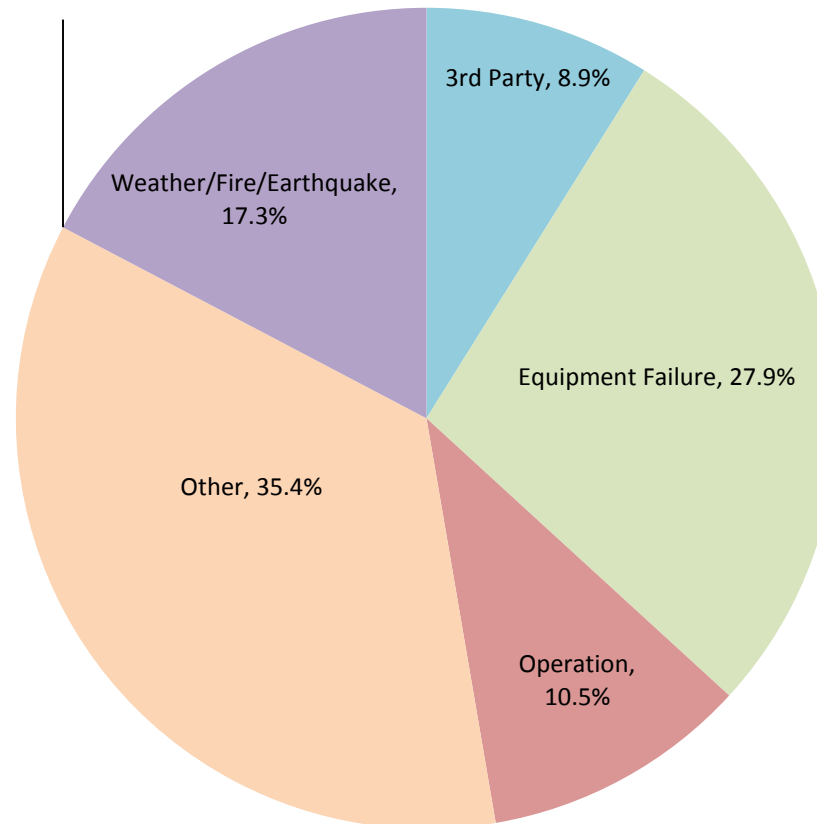


**SAIDI** = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

# Causes of Repair Outages in Riverside District 2 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
- **3<sup>rd</sup> 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.





## Riverside County District 2 Unincorporated Areas 2017 Capital Improvement Plan

Unincorporated Community

Unincorporated County Area

Supervisory District

Replacement/Equipment Upgrade

• Pole Replacement

Other Work

• Circuit Rebuild

• Structures & Equipment

Replacement/Equipment Upgrade (Transmission)

▪ 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.



0 0.5 1 2  
Miles

Date: 2/21/2017

File Name: Riverside\_Districts\_2017\_CIP.mxd

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# Back-up Slides

**Reliability Histories of Circuits Serving Riverside District 2**

**Updated through Year-End 2016**

## Average Reliability of 42 Circuits Serving Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
Riverside District 2	116.2	1.0	0.8	135.1	1.2	1.1	90.2	0.8	1.1	62.7	0.4	0.3	24.5	0.2	0.2	28.9	0.2	0.1	57.9	0.4	0.5	174.1	1.3	1.1
3rd Party	30%	23%	22%	18%	19%	26%	16%	22%	25%	23%	20%	0%	8%	12%	0%	3%	3%	12%	2%	0%	22%	11%	9%	12%
Equipment Failure	49%	46%	21%	52%	48%	16%	56%	38%	22%	11%	13%	0%	81%	57%	69%	58%	44%	26%	26%	23%	12%	34%	28%	18%
Operation	6%	14%	11%	14%	19%	4%	9%	12%	4%	28%	14%	12%	7%	3%	0%	12%	11%	0%	10%	10%	0%	16%	11%	3%
Other	3%	7%	24%	4%	5%	27%	5%	6%	34%	13%	21%	28%	1%	12%	3%	27%	41%	40%	50%	55%	41%	26%	35%	32%
Vegetation/Animal	0%	0%	3%	0%	0%	3%	4%	7%	10%	0%	0%	0%	0%	0%	0%	0%	0%	22%	0%	0%	0%	0%	0%	2%
Weather/Fire/Earthquake	12%	11%	19%	12%	9%	23%	10%	14%	5%	24%	33%	60%	4%	16%	28%	0%	0%	0%	12%	12%	25%	13%	17%	32%
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

3<sup>rd</sup> 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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>ADELL(12KV) - Customers: 1,434</b>	<b>86.1</b>	<b>2.0</b>	<b>1.0</b>	<b>6.6</b>	<b>0.1</b>	<b>0.0</b>	<b>53.4</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	100%	0%	0%	0%	29%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	63%	51%	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%	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%	0%	0%	0%	0%	0%	0%
<b>ARLINGTON(12KV) - Customers: 1,031</b>	<b>13.0</b>	<b>0.4</b>	<b>0.6</b>	<b>4.4</b>	<b>0.1</b>	<b>0.0</b>	<b>16.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>34.1</b>	<b>0.1</b>	<b>0.0</b>	<b>35.2</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	22%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	77%	16%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	3%	10%	0%
Operation	3%	2%	0%	14%	15%	0%	1%	16%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	97%	98%	100%	86%	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	97%	90%	0%
<b>ATENTO(12KV) - Customers: 2,226</b>	<b>123.0</b>	<b>0.9</b>	<b>0.4</b>	<b>305.1</b>	<b>0.9</b>	<b>0.2</b>	<b>70.9</b>	<b>1.2</b>	<b>1.4</b>	<b>29.3</b>	<b>0.4</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>26.2</b>	<b>0.2</b>	<b>1.0</b>	<b>56.3</b>	<b>0.6</b>	<b>1.4</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	51%	64%	72%
Equipment Failure	54%	57%	0%	60%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	40%	25%	0%	7%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%	0%	0%	1%	0%
Other	0%	0%	100%	0%	0%	0%	3%	1%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	98%	0%	46%	34%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	100%	90%	83%	73%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	46%	43%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	2%	0%	28%
<b>BIGGS(4.16KV) - Customers: 74</b>	<b>26.8</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>169.5</b>	<b>1.1</b>	<b>4.0</b>	<b>112.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>74.3</b>	<b>1.0</b>	<b>0.0</b>	<b>186.7</b>	<b>2.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Equipment Failure	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	40%	49%	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%	75%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	51%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>BOBBIT(12KV) - Customers: 1,527</b>	<b>45.8</b>	<b>1.2</b>	<b>4.9</b>	<b>193.7</b>	<b>2.0</b>	<b>0.0</b>	<b>98.6</b>	<b>2.1</b>	<b>1.0</b>	<b>3.1</b>	<b>0.0</b>	<b>1.1</b>	<b>30.6</b>	<b>0.1</b>	<b>0.0</b>	<b>0.8</b>	<b>0.1</b>	<b>0.0</b>	<b>361.9</b>	<b>1.9</b>	<b>0.0</b>	<b>396.3</b>	<b>2.1</b>	<b>1.1</b>
3rd Party	0%	0%	0%	0%	0%	0%	75%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	96%	97%	0%	15%	2%	0%	29%	53%	0%	42%	41%	0%	0%	0%	0%	0%	0%	0%	3%	2%	0%
Operation	18%	85%	21%	4%	3%	0%	10%	47%	0%	71%	47%	100%	6%	11%	0%	100%	100%	0%	0%	0%	0%	1%	5%	100%
Other	16%	3%	20%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	91%	91%	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	66%	12%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	52%	48%	0%	0%	0%	0%	0%	0%	0%	4%	2%	0%
<b>BOLLERO(12KV) - Customers: 1,524</b>	<b>78.7</b>	<b>0.7</b>	<b>1.0</b>	<b>454.0</b>	<b>3.4</b>	<b>0.6</b>	<b>91.3</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>54.6</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>18.9</b>	<b>0.0</b>	<b>0.0</b>	<b>73.5</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	0%	0%	100%	16%	27%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	73%	25%	0%	72%	67%	68%	98%	87%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	97%	50%	0%	99%	83%	0%
Operation	27%	74%	0%	12%	6%	0%	2%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	50%	0%	1%	17%	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%	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%
<b>BUTTERFIELD(12KV) - Customers: 1,442</b>	<b>23.3</b>	<b>0.2</b>	<b>3.0</b>	<b>13.8</b>	<b>0.1</b>	<b>1.0</b>	<b>107.8</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.5</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.5</b>	<b>0.4</b>	<b>0.0</b>
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	17%	4%	67%	0%	0%	0%	95%	93%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	0%	0%
Operation	65%	68%	0%	49%	48%	0%	5%	7%	0%	0%	0%	0%	0%	0%	0%	99%	100%	0%	0%	0%	0%	99%	100%	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	18%	28%	33%	51%	52%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CERAMIC(4.16KV) - Customers: 375</b>	<b>115.6</b>	<b>1.0</b>	<b>1.0</b>	<b>165.9</b>	<b>2.0</b>	<b>3.0</b>	<b>207.8</b>	<b>2.0</b>	<b>2.0</b>	<b>1621.4</b>	<b>1.6</b>	<b>0.0</b>	<b>158.4</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	<b>45.6</b>	<b>0.9</b>	<b>0.9</b>	<b>1825.4</b>	<b>3.6</b>	<b>1.9</b>
3rd Party	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	55%	50%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	9%	31%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	89%	44%	0%
Other	100%	100%	100%	100%	100%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	2%	26%	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%	45%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%



## Reliability Histories for Individual Circuits Serving Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>CHIMAY(12KV) - Customers: 1,143</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>60.5</b>	<b>1.2</b>	<b>1.0</b>	<b>35.4</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>18.0</b>	<b>0.2</b>	<b>0.0</b>	<b>393.9</b>	<b>3.1</b>	<b>0.9</b>	<b>411.9</b>	<b>3.3</b>	<b>0.9</b>
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%	95%	91%	100%	38%	10%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	79%	66%	100%	80%	67%	100%
Operation	0%	0%	0%	5%	9%	0%	62%	90%	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%	21%	34%	0%	20%	33%	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%
<b>CONESTOGA(12KV) - Customers: 1,172</b>	<b>58.3</b>	<b>2.8</b>	<b>0.3</b>	<b>206.1</b>	<b>2.2</b>	<b>1.0</b>	<b>118.1</b>	<b>1.9</b>	<b>0.2</b>	<b>257.8</b>	<b>2.0</b>	<b>0.2</b>	<b>17.8</b>	<b>1.8</b>	<b>1.1</b>	<b>3.9</b>	<b>0.0</b>	<b>1.0</b>	<b>96.4</b>	<b>1.9</b>	<b>1.2</b>	<b>375.8</b>	<b>5.7</b>	<b>3.6</b>
3rd Party	62%	36%	0%	13%	45%	100%	0%	0%	0%	87%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	17%	0%
Equipment Failure	0%	0%	0%	83%	53%	0%	1%	0%	0%	9%	7%	0%	14%	1%	0%	0%	0%	0%	2%	0%	0%	8%	3%	0%
Operation	8%	2%	0%	3%	2%	0%	5%	4%	0%	1%	1%	0%	10%	0%	0%	100%	100%	0%	90%	56%	0%	25%	19%	0%
Other	30%	62%	100%	0%	0%	0%	94%	96%	100%	3%	42%	100%	37%	45%	14%	0%	0%	0%	9%	44%	100%	6%	44%	44%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	29%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	54%	86%	0%	0%	0%	0%	0%	0%	2%	17%	27%
<b>CORONITA(12KV) - Customers: 2,382</b>	<b>21.0</b>	<b>0.1</b>	<b>0.0</b>	<b>42.9</b>	<b>0.4</b>	<b>0.0</b>	<b>57.9</b>	<b>0.4</b>	<b>0.0</b>	<b>1.6</b>	<b>0.0</b>	<b>0.0</b>	<b>128.8</b>	<b>0.9</b>	<b>0.5</b>	<b>6.3</b>	<b>0.0</b>	<b>0.0</b>	<b>20.0</b>	<b>0.1</b>	<b>1.9</b>	<b>156.7</b>	<b>1.0</b>	<b>2.4</b>
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%	100%	79%	56%	0%	32%	12%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	41%	95%	92%	54%
Operation	0%	0%	0%	21%	44%	0%	68%	88%	0%	100%	100%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	5%	8%	1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	59%	0%	0%	45%
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%
<b>DIPLOMAT(12KV) - Customers: 1,015</b>	<b>73.7</b>	<b>0.4</b>	<b>0.0</b>	<b>102.6</b>	<b>1.2</b>	<b>0.0</b>	<b>12.5</b>	<b>0.0</b>	<b>0.0</b>	<b>36.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.4</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>87.2</b>	<b>0.5</b>	<b>0.0</b>
3rd Party	13%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	87%	97%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	99%	0%
Operation	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1%	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%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>DOMIC(12KV) - Customers: 1,459</b>	<b>143.8</b>	<b>1.0</b>	<b>0.0</b>	<b>446.0</b>	<b>3.0</b>	<b>2.6</b>	<b>107.7</b>	<b>1.8</b>	<b>2.9</b>	<b>309.1</b>	<b>2.1</b>	<b>7.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>35.1</b>	<b>1.0</b>	<b>0.0</b>	<b>7.8</b>	<b>0.0</b>	<b>2.6</b>	<b>352.0</b>	<b>3.1</b>	<b>9.6</b>
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	31%	0%	0%	8%
Equipment Failure	0%	0%	0%	7%	12%	0%	83%	99%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	4%	34%	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%	69%	0%	0%	0%	55%	47%	28%	0%	0%	0%	100%	100%	0%	0%	0%	69%	58%	64%	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%	89%	54%	31%	16%	1%	28%	44%	53%	72%	0%	0%	0%	0%	0%	0%	99%	97%	0%	41%	36%	52%
<b>FLEETWOOD(12KV) - Customers: 325</b>	<b>331.6</b>	<b>2.1</b>	<b>0.9</b>	<b>75.4</b>	<b>1.0</b>	<b>4.0</b>	<b>10.3</b>	<b>0.0</b>	<b>1.0</b>	<b>5.9</b>	<b>1.0</b>	<b>0.0</b>	<b>7.9</b>	<b>1.0</b>	<b>0.0</b>	<b>116.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>130.2</b>	<b>3.0</b>	<b>1.0</b>
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%
<b>GALENA(12KV) - Customers: 1,715</b>	<b>193.5</b>	<b>0.9</b>	<b>0.0</b>	<b>128.6</b>	<b>0.3</b>	<b>2.0</b>	<b>56.5</b>	<b>1.0</b>	<b>3.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>79.2</b>	<b>0.1</b>	<b>0.0</b>	<b>220.1</b>	<b>1.2</b>	<b>0.0</b>	<b>39.0</b>	<b>0.7</b>	<b>1.9</b>	<b>338.3</b>	<b>2.1</b>	<b>1.9</b>
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%
<b>GLOBE MILLS(12KV) - Customers: 915</b>	<b>57.4</b>	<b>0.2</b>	<b>0.9</b>	<b>125.3</b>	<b>2.0</b>	<b>2.0</b>	<b>89.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>116.5</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>67.6</b>	<b>1.1</b>	<b>1.0</b>	<b>184.1</b>	<b>2.1</b>	<b>1.0</b>
3rd Party	61%	34%	100%	86%	50%	100%	0%	0%	0%	0%	0%	0%	82%	98%	0%	0%	0%	0%	0%	0%	0%	52%	48%	0%
Equipment Failure	32%	41%	0%	5%	0%	0%	99%	99%	0%	0%	0%	0%	18%	2%	0%	0%	0%	0%	100%	98%	0%	48%	51%	0%
Operation	7%	25%	0%	9%	49%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	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%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>HARLOW(12KV) - Customers: 696</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>78.5</b>	<b>0.1</b>	<b>0.0</b>	<b>117.9</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>196.3</b>	<b>1.1</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	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%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	40%	10%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	60%	90%	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%
<b>HIGHBALL(12KV) - Customers: 1,630</b>	<b>4.0</b>	<b>0.0</b>	<b>1.0</b>	<b>191.7</b>	<b>1.1</b>	<b>2.0</b>	<b>104.5</b>	<b>1.1</b>	<b>1.0</b>	<b>196.7</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15.3</b>	<b>0.0</b>	<b>0.0</b>	<b>212.1</b>	<b>1.0</b>	<b>0.0</b>
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%
<b>INTERPACE(33KV) - Customers: 8</b>	<b>452.6</b>	<b>0.9</b>	<b>1.7</b>	<b>0.0</b>	<b>0.0</b>	<b>3.9</b>	<b>2779.6</b>	<b>3.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>735.3</b>	<b>2.6</b>	<b>2.2</b>	<b>735.3</b>	<b>2.6</b>	<b>4.1</b>
3rd Party	0%	0%	0%	0%	0%	26%	4%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	4%	33%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	16%	0%	54%	16%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	100%	100%	100%	0%	0%	48%	92%	33%	50%	0%	0%	0%	0%	0%	100%	0%	0%	100%	19%	79%	50%	19%	79%	73%
Vegetation/Animal	0%	0%	0%	0%	0%	26%	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%	27%	5%	50%	27%	5%	27%
<b>LA SIERRA(12KV) - Customers: 349</b>	<b>2.5</b>	<b>0.0</b>	<b>0.0</b>	<b>189.6</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>51.7</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>235.0</b>	<b>1.1</b>	<b>0.0</b>	<b>286.7</b>	<b>2.1</b>	<b>0.0</b>
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%	38%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>LAST(12KV) - Customers: 1,339</b>	<b>59.2</b>	<b>0.1</b>	<b>0.0</b>	<b>135.8</b>	<b>1.1</b>	<b>0.0</b>	<b>109.0</b>	<b>1.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>77.7</b>	<b>1.0</b>	<b>0.0</b>	<b>78.7</b>	<b>1.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	83%	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	79%	67%	0%	99%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	1%	1%	0%	17%	15%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	99%	99%	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	21%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>LESTER(12KV) - Customers: 1,585</b>	<b>59.3</b>	<b>1.0</b>	<b>0.0</b>	<b>4.7</b>	<b>0.1</b>	<b>0.0</b>	<b>83.9</b>	<b>0.7</b>	<b>0.4</b>	<b>5.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	<b>5.3</b>	<b>0.0</b>	<b>0.9</b>
3rd Party	0%	0%	0%	0%	0%	0%	60%	84%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	0%	0%	0%	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	9%	9%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>MACIEL(12KV) - Customers: 2,126</b>	<b>327.9</b>	<b>1.6</b>	<b>1.0</b>	<b>90.2</b>	<b>1.5</b>	<b>0.4</b>	<b>61.7</b>	<b>0.1</b>	<b>0.0</b>	<b>111.0</b>	<b>1.0</b>	<b>0.0</b>	<b>16.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>63.2</b>	<b>0.2</b>	<b>0.0</b>	<b>190.5</b>	<b>1.3</b>	<b>0.0</b>
3rd Party	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	91%	93%	98%	85%	93%	100%	87%	58%	0%	87%	94%	0%	95%	90%	0%	0%	0%	0%	100%	100%	0%	92%	95%	0%
Operation	7%	6%	0%	11%	6%	0%	13%	42%	0%	13%	6%	0%	5%	10%	0%	0%	0%	0%	0%	0%	0%	8%	5%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	0%	1%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>NEW CASTLE(12KV) - Customers: 832</b>	<b>136.9</b>	<b>0.2</b>	<b>1.0</b>	<b>78.4</b>	<b>1.2</b>	<b>0.0</b>	<b>17.3</b>	<b>0.1</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.5</b>	<b>0.0</b>	<b>1.0</b>	<b>11.5</b>	<b>0.0</b>	<b>1.0</b>
3rd Party	86%	64%	100%	3%	1%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	13%	26%	0%	37%	12%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	10%	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%	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%	60%	87%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>ONBORD(12KV) - Customers: 1,346</b>	<b>266.7</b>	<b>1.7</b>	<b>0.0</b>	<b>203.9</b>	<b>0.3</b>	<b>0.3</b>	<b>76.2</b>	<b>0.1</b>	<b>2.2</b>	<b>62.7</b>	<b>1.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15.8</b>	<b>0.0</b>	<b>1.0</b>	<b>80.6</b>	<b>1.0</b>	<b>0.0</b>	<b>159.0</b>	<b>2.1</b>	<b>1.1</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	96%	91%	0%	62%	34%	10%	96%	56%	0%	57%	2%	13%	0%	0%	0%	28%	22%	100%	0%	0%	0%	25%	1%	94%
Operation	4%	9%	0%	15%	30%	0%	4%	44%	0%	25%	98%	0%	0%	0%	0%	72%	78%	0%	0%	0%	0%	17%	50%	0%
Other	0%	0%	0%	16%	3%	80%	0%	0%	0%	18%	1%	75%	0%	0%	0%	0%	0%	0%	95%	99%	0%	55%	48%	5%
Vegetation/Animal	0%	0%	0%	6%	34%	11%	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%	13%	0%	0%	0%	0%	0%	0%	5%	1%	0%	2%	0%	1%
<b>OWENS(33KV) - Customers: 16</b>	<b>1.8</b>	<b>0.1</b>	<b>2.9</b>	<b>358.8</b>	<b>1.5</b>	<b>0.0</b>	<b>383.3</b>	<b>2.1</b>	<b>3.8</b>	<b>171.6</b>	<b>1.0</b>	<b>0.0</b>	<b>35.1</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>71.7</b>	<b>1.0</b>	<b>0.0</b>	<b>278.3</b>	<b>2.6</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	44%	44%	21%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Equipment Failure	0%	0%	0%	87%	90%	0%	56%	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	26%	38%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	13%	24%	0%
Other	0%	0%	100%	13%	10%	0%	0%	0%	79%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	62%	38%	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%
<b>PALACE(12KV) - Customers: 689</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>214.4</b>	<b>1.1</b>	<b>0.0</b>	<b>87.5</b>	<b>1.6</b>	<b>1.0</b>	<b>13.4</b>	<b>1.0</b>	<b>1.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>9.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>23.4</b>	<b>1.1</b>	<b>1.0</b>
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%	99%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	1%	2%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	43%	5%	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%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	95%	100%
<b>PLACID(12KV) - Customers: 3,202</b>	<b>93.8</b>	<b>1.2</b>	<b>1.5</b>	<b>254.0</b>	<b>2.9</b>	<b>2.1</b>	<b>225.9</b>	<b>2.3</b>	<b>5.8</b>	<b>0.9</b>	<b>0.0</b>	<b>0.1</b>	<b>14.7</b>	<b>0.1</b>	<b>0.0</b>	<b>2.4</b>	<b>0.0</b>	<b>0.0</b>	<b>54.7</b>	<b>0.2</b>	<b>0.0</b>	<b>72.7</b>	<b>0.3</b>	<b>0.1</b>
3rd Party	20%	24%	68%	40%	26%	0%	20%	14%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	0%	0%	45%	46%	0%	21%	32%	32%	100%	100%	0%	100%	100%	0%	91%	95%	0%	0%	0%	0%	25%	23%	0%
Operation	2%	0%	0%	10%	18%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	9%	5%	0%	100%	100%	0%	75%	77%	0%
Other	0%	0%	13%	0%	0%	9%	0%	0%	21%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	77%	76%	19%	6%	11%	91%	59%	54%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

## Reliability Histories for Individual Circuits Serving Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>POLYMER(12KV) - Customers: 28</b>	<b>101.5</b>	<b>0.9</b>	<b>0.9</b>	<b>45.4</b>	<b>0.1</b>	<b>1.2</b>	<b>469.6</b>	<b>2.0</b>	<b>2.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>46.8</b>	<b>1.0</b>	<b>1.0</b>	<b>46.8</b>	<b>1.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	100%	76%	50%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	24%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	100%	100%	100%	100%	100%	0%	0%	0%	76%	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%	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%	100%	0%	0%	100%
<b>PORCELAIN(4.16KV) - Customers: 95</b>	<b>623.5</b>	<b>2.2</b>	<b>1.0</b>	<b>39.9</b>	<b>1.1</b>	<b>0.9</b>	<b>216.0</b>	<b>2.0</b>	<b>4.9</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>49.0</b>	<b>1.0</b>	<b>2.0</b>	<b>49.0</b>	<b>1.0</b>	<b>4.0</b>
3rd Party	68%	26%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	1%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	13%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	19%	46%	100%	100%	100%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	100%	100%	100%	50%	100%	100%	75%
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%	50%	0%	0%	25%
<b>PORPHYRY(33KV) - Customers: 8</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>432.9</b>	<b>1.4</b>	<b>0.0</b>	<b>432.9</b>	<b>1.4</b>	<b>0.0</b>
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%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	73%	0%	19%	73%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	81%	27%	0%	81%	27%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	35%	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%
<b>PRESTON(12KV) - Customers: 1,887</b>	<b>2.9</b>	<b>0.0</b>	<b>0.0</b>	<b>271.7</b>	<b>4.1</b>	<b>4.9</b>	<b>45.4</b>	<b>0.1</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>43.4</b>	<b>0.2</b>	<b>0.0</b>	<b>158.8</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>202.2</b>	<b>1.2</b>	<b>0.0</b>
3rd Party	0%	0%	0%	64%	48%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	3%	1%	0%	94%	36%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	6%	26%	0%	6%	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	27%	25%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>QUARRY(12KV) - Customers: 1,432</b>	<b>345.3</b>	<b>1.0</b>	<b>1.0</b>	<b>7.6</b>	<b>0.0</b>	<b>0.0</b>	<b>28.3</b>	<b>0.1</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.6</b>	<b>0.0</b>	<b>0.0</b>	<b>30.4</b>	<b>0.0</b>	<b>0.0</b>
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	97%	84%	0%
Equipment Failure	0%	0%	0%	23%	2%	0%	91%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	77%	98%	0%	9%	35%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	16%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>RETREAT(12KV) - Customers: 550</b>	<b>1.4</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>207.8</b>	<b>2.0</b>	<b>4.0</b>	<b>108.8</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.0</b>	<b>0.0</b>	<b>1.0</b>	<b>75.1</b>	<b>1.0</b>	<b>0.0</b>	<b>191.9</b>	<b>2.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	36%	50%	25%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	64%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	39%	49%	0%
Operation	100%	100%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	4%	2%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	75%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	49%	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%
<b>SERFAS(12KV) - Customers: 112</b>	<b>185.8</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>SEVAINE(12KV) - Customers: 1,853</b>	<b>198.4</b>	<b>1.8</b>	<b>0.1</b>	<b>54.7</b>	<b>1.1</b>	<b>3.8</b>	<b>44.4</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>53.2</b>	<b>0.2</b>	<b>0.0</b>	<b>125.1</b>	<b>1.1</b>	<b>0.0</b>	<b>180.7</b>	<b>1.2</b>	<b>1.0</b>	<b>359.0</b>	<b>2.5</b>	<b>1.0</b>
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%

## Reliability Histories for Individual Circuits Serving Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>STROH(4.16KV) - Customers: 157</b>	<b>115.6</b>	<b>1.0</b>	<b>1.0</b>	<b>76.5</b>	<b>1.0</b>	<b>1.0</b>	<b>116.3</b>	<b>1.0</b>	<b>1.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.2</b>	<b>58.1</b>	<b>1.2</b>	<b>1.2</b>	<b>58.1</b>	<b>1.2</b>	<b>3.2</b>
3rd Party	0%	0%	0%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	100%	100%	100%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	100%	100%	100%	0%	100%	100%	63%
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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	37%
<b>TIN MINE(12KV) - Customers: 30</b>	<b>19.2</b>	<b>0.0</b>	<b>1.8</b>	<b>296.2</b>	<b>0.9</b>	<b>5.1</b>	<b>1821.2</b>	<b>2.0</b>	<b>5.0</b>	<b>15.7</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>947.4</b>	<b>2.8</b>	<b>1.2</b>	<b>963.1</b>	<b>2.8</b>	<b>4.3</b>
3rd Party	0%	0%	0%	0%	0%	39%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	0%	15%	3%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	20%	21%	55%	19%	6%
Operation	0%	0%	0%	85%	97%	3%	7%	50%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%
Other	0%	0%	100%	0%	0%	39%	93%	50%	20%	0%	0%	100%	0%	0%	100%	0%	0%	100%	36%	44%	21%	35%	43%	78%
Vegetation/Animal	0%	0%	0%	0%	0%	19%	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%	9%	36%	59%	8%	35%	16%
<b>URBITA(12KV) - Customers: 1,790</b>	<b>50.3</b>	<b>0.1</b>	<b>0.0</b>	<b>76.3</b>	<b>1.0</b>	<b>1.0</b>	<b>45.7</b>	<b>1.0</b>	<b>2.0</b>	<b>2.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>2.9</b>	<b>0.0</b>	<b>3.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	33%
Equipment Failure	69%	30%	0%	95%	97%	100%	13%	1%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	67%
Operation	31%	70%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	87%	99%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
<b>WEIRICK(12KV) - Customers: 971</b>	<b>138.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.9</b>	<b>0.0</b>	<b>0.0</b>	<b>7.6</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
3rd Party	100%	100%	100%	0%	0%	0%	100%	100%	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%	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%	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 Riverside District 2

	2013			2014			2015			1st Qtr 2016			2nd Qtr 2016			3rd Qtr 2016			4th Qtr 2016			2016		
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI
<b>WHISPER(12KV) - Customers: 147</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>75.9</b>	<b>1.0</b>	<b>0.0</b>	<b>144.0</b>	<b>1.9</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>353.9</b>	<b>1.4</b>	<b>0.0</b>	<b>573.9</b>	<b>4.3</b>	<b>0.9</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	25%	44%	100%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	75%	56%	0%
<b>WYLE(12KV) - Customers: 1,726</b>	<b>284.7</b>	<b>4.8</b>	<b>2.5</b>	<b>5.0</b>	<b>0.3</b>	<b>2.0</b>	<b>363.1</b>	<b>0.6</b>	<b>0.4</b>	<b>273.1</b>	<b>2.1</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>276.0</b>	<b>2.1</b>	<b>0.0</b>
3rd Party	51%	42%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	44%	37%	27%	0%	0%	0%	98%	95%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	1%	0%	0%
Operation	5%	21%	39%	68%	94%	0%	2%	5%	0%	9%	5%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	9%	5%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	32%	6%	100%	0%	0%	0%	91%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	94%	0%