



Circuit Reliability Review

Los Angeles District 3

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 Los Angeles County

District 3

AGOURA

AGOURA HILLS

ALHAMBRA

ALTADENA

ARCADIA

ARTESIA

BALDWIN PARK

BELL

BELL GARDENS

BELLFLOWER

BEVERLY HILLS

BRADBURY

CALABASAS

CARSON

CASA CONEJO

CERRITOS

CITY OF INDUSTRY (SHARED)

CITY TERRACE

COMMERCE

COMPTON

CORNELL

CORRAL CANYON

CUDAHY

CULVER CITY

DECKER/ENCINAL

DOMINGUEZ HILLS/RANCHO DOMINGUEZ

DUARTE

EAST LOS ANGELES

EAST PASADENA

EAST SAN GABRIEL

EL MONTE

EL SEGUNDO

FRANKLIN CANYON

GARDENA

GLENDALE

HARBOR CITY

HAWAIIAN GARDENS

HAWTHORNE

HERMOSA BEACH

HIDDEN HILLS

HUNTINGTON PARK

INGLEWOOD

IRWINDALE

LA CANADA FLINTRIDGE

LA CRESCENTA-MONTROSE

LADERA HEIGHTS

LAKEWOOD

LAS FLORES

Cities in the Los Angeles County

District 3

LATIGO CANYON	MONTEREY PARK	SAN GABRIEL (SHARED)
LAWNDALE	MOORPARK	SAN MARINO
LOMITA	MOUNTAIN VIEW ESTATES	SANTA MONICA
LONG BEACH (SHARED)	MULHOLLAND CORRIDOR	SANTA MONICA MOUNTAINS
LOS ALAMITOS	OAK PARK	SAWTELLE VA CENTER
LOS ANGELES/UNINCORPORATED (ZIPS 59, 61, 01, 02, 22, 23)	PALOS VERDES ESTATES	SEAL BEACH
LYNWOOD	PARAMOUNT	SEMINOLE HOT SPRINGS
MALIBOU LAKE	PASADENA	SIERRA MADRE
MALIBU	PICO RIVERA (SHARED)	SIGNAL HILL
MANHATTAN BEACH	RANCHO PALOS VERDES	SIMI VALLEY
MARINA DEL REY	REDONDO BEACH	SOUTH EL MONTE
MAYFLOWER VILLAGE	ROLLING HILLS	SOUTH GATE
MAYWOOD	ROLLING HILLS ESTATES	SOUTH PASADENA
MONROVIA	ROSEMEAD	SOUTH SAN GABRIEL
MONTE NIDO/COLD CREEK	ROSSMOOR	STOKES CANYON
MONTEBELLO (SHARED)	SAN FERNANDO	SUNSET MESA

Cities in the Los Angeles County

District 3

SYCAMORE CANYON

TEMPLE CITY (SHARED)

THOUSAND OAKS

TOPANGA CANYON

TORRANCE (SHARED)

TRIUNFO CANYON

UNIVERSAL CITY

VINCENT

WALNUT PARK

WEST HOLLYWOOD

WEST PUENTE VALLEY

WESTLAKE VILLAGE

WHITTIER (SHARED)

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.

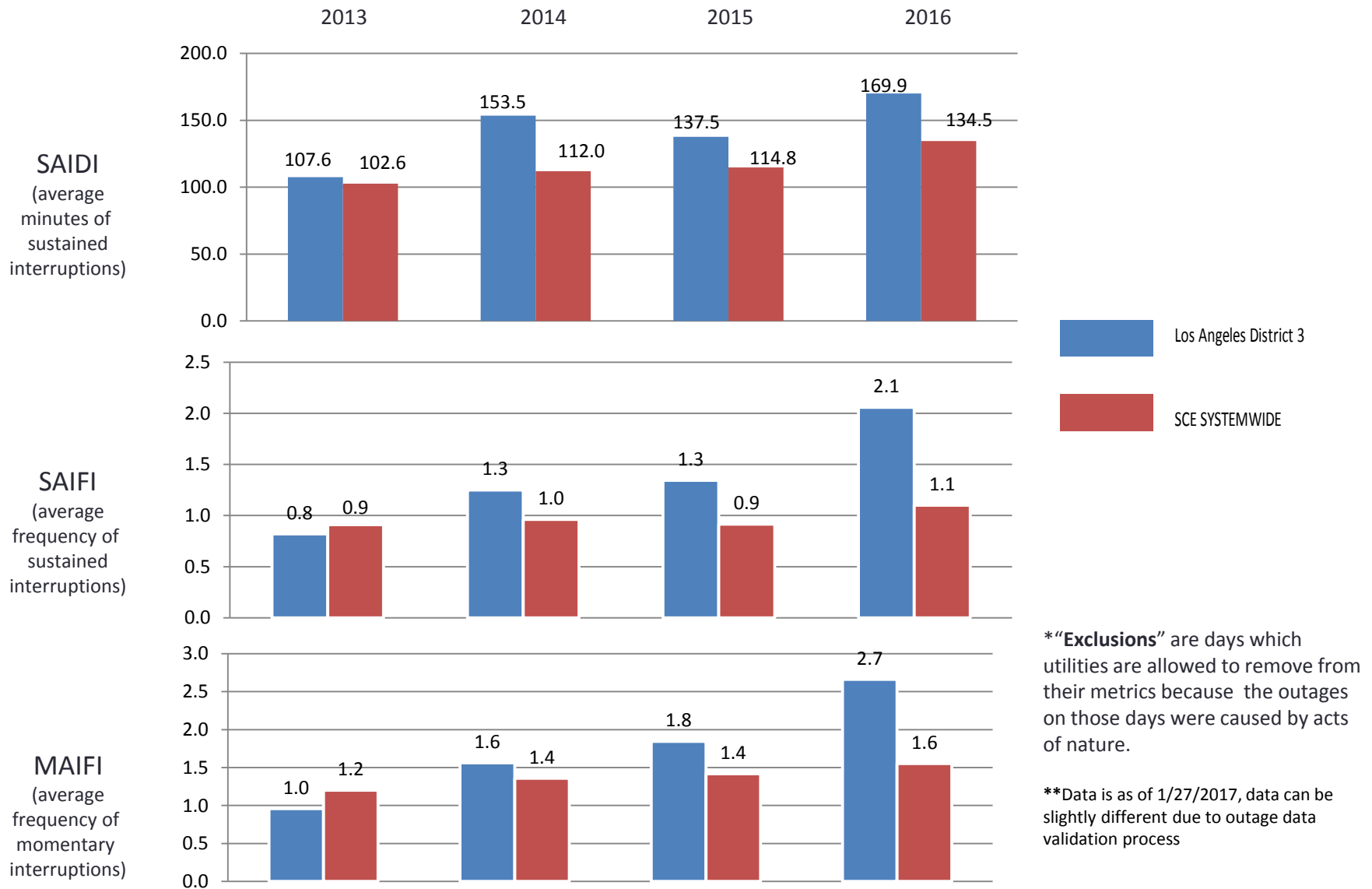
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Los Angeles District 3

There are 34 circuits that serve Los Angeles District 3

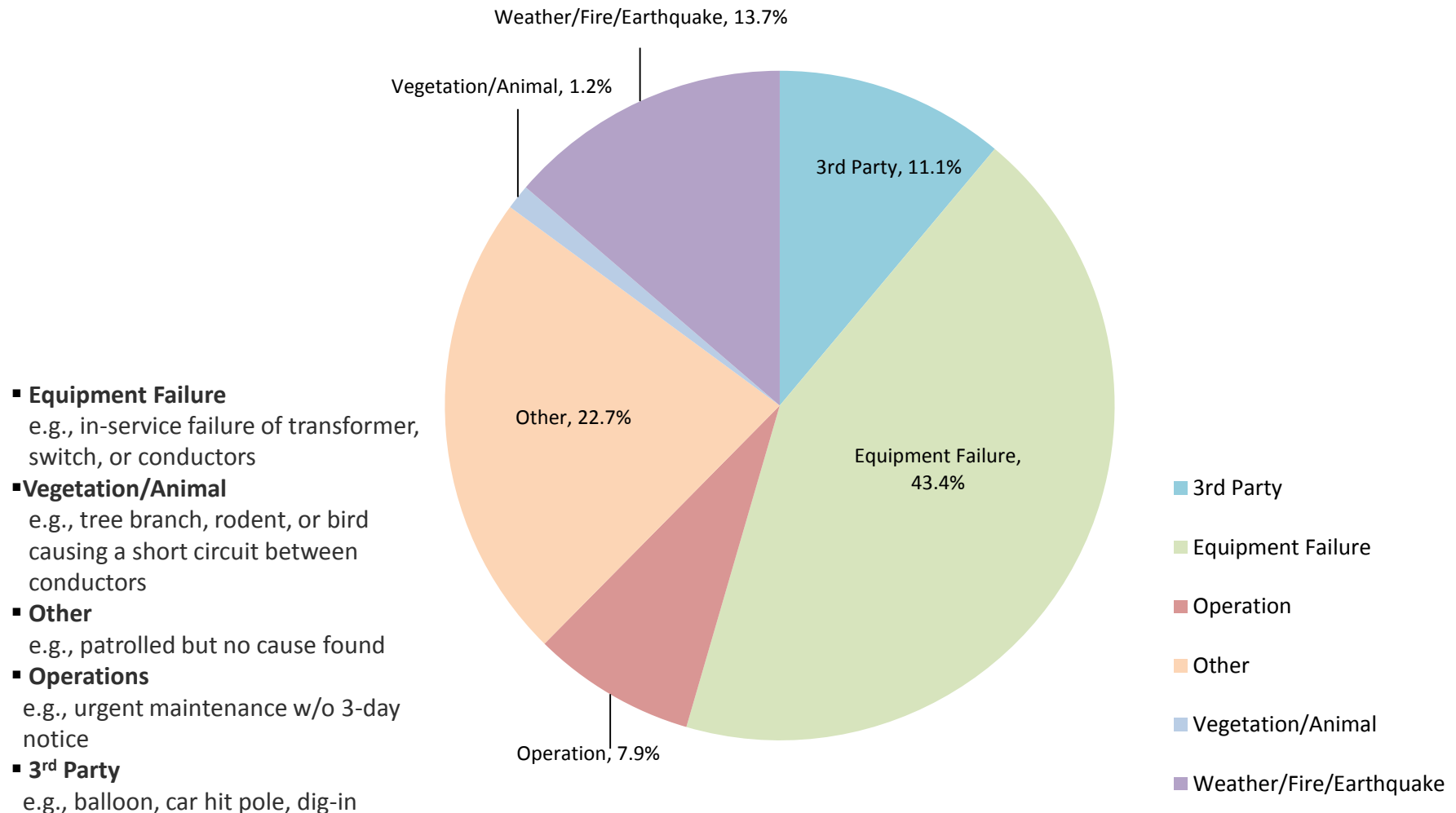
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
BONNELL(4.16KV)	42	TRIUNFO(16KV)	507				
BUFFER(16KV)	1,061	TUNA(16KV)	604				
CASTRO PEAK(2.4KV)	8	VETERANS(16KV)	1,711				
CHENEY(4.16KV)	279	VICASA(16KV)	1,964				
CORNELL(4.16KV)	187						
CRUMNER(16KV)	1,747						
CUTHBERT(16KV)	2,225						
FEDERAL(16KV)	47						
GALAHAD(16KV)	2,259						
HORIZON(16KV)	969						
HORNTOAD(16KV)	1,482						
JAWS(12KV)	40						
KANAN(16KV)	2,640						
LA MANCHA(16KV)	2,193						
LINDERO(16KV)	1,630						
LOPEZ(16KV)	1,475						
MAGUIRE(16KV)	882						
MERLIN(16KV)	970						
MILO(16KV)	1,733						
MULHOLLAND(16KV)	544						
NICHOLAS(16KV)	1,937						
NIMITZ(16KV)	14						
PARADISE(16KV)	808						
PATTON(16KV)	5						
PLATEAU(16KV)	2,364						
PURDUE(16KV)	1,903						
RHODA(16KV)	880						
SERRA(16KV)	163						
SIENNA(16KV)	942						
SYLVIA(4.16KV)	253						
Grand Total	36,468						

Reliability History of Circuits Serving Los Angeles District 3 (No Exclusions)



Causes of Repair Outages in Los Angeles District 3 Circuits 2016 YTD

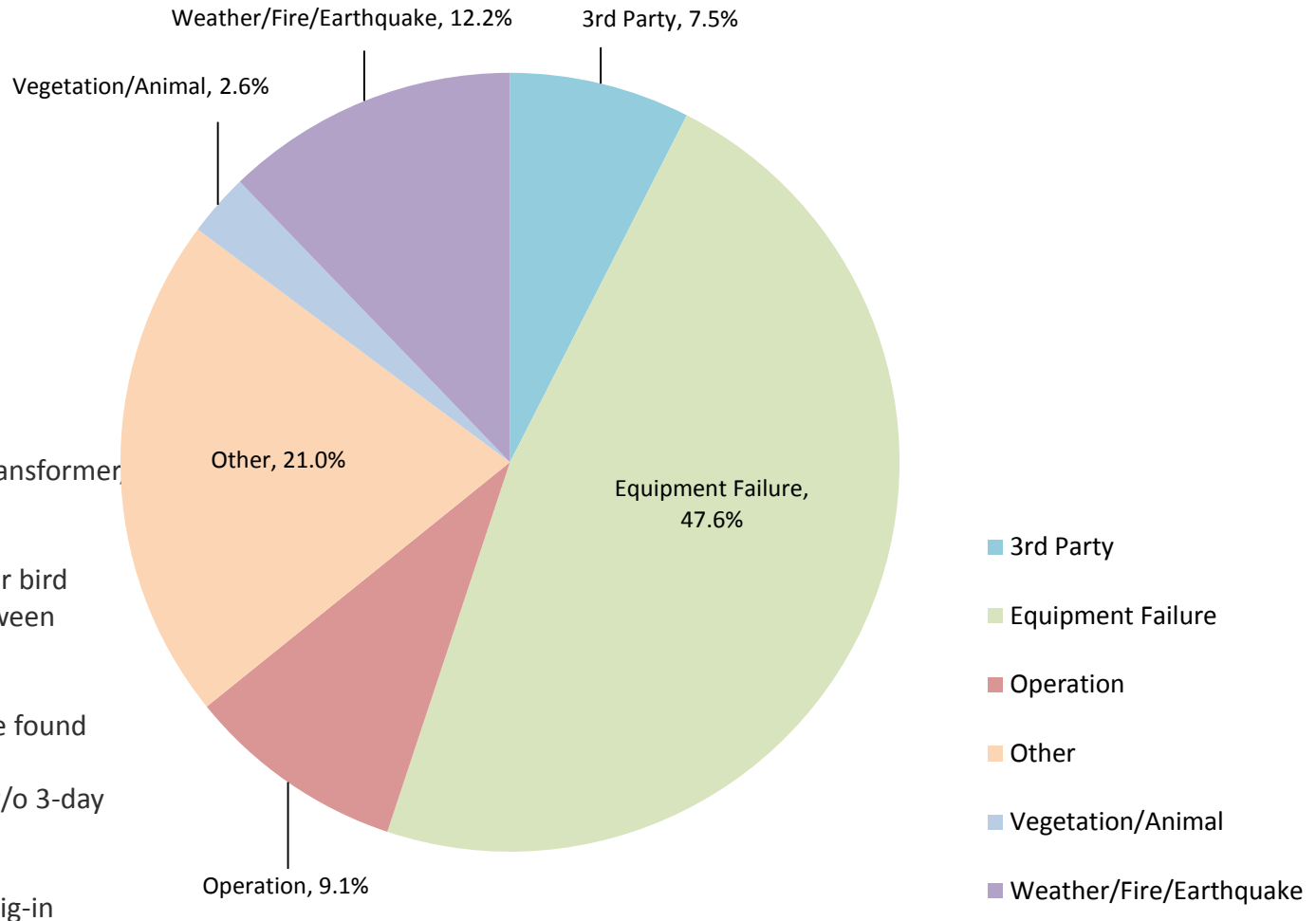
Contributions to SAIDI by Outage Cause



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

Causes of Repair Outages in Los Angeles District 3 Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



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

Los Angeles County District 3 Unincorporated Areas 2017 All Circuits

- Unincorporated Community — RYVA
■ Unincorporated County Area — TRLINFO
■ Supervisory District — TUNA
■ Distribution Circuit — VETERANS
— BONHELL — VICASA
— BURTON
— CASTRO PEAK
— CHERRY
— CORVILL
— CROWNER
— GUTHBERT
— TECTRAL
— GALAHAD
— GRENDA
— GUNTRICK
— JAMES
— KAMAN
— KAMAJOHA
— JAVELIN
— JOFIZ
— NAQURE
— NERLIN
— NICO
— NICHOLAND
— NIKENY
— NICHOLAS
— NIMIZ
— NIVADSE
— MITION
— RATAUL
— RUTLER
— SACA
— SANDRA
— SERPA
— SHIBA

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.



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Back-up Slides

Reliability Histories of Circuits Serving Los Angeles District 3

Updated through Year-End 2016

Average Reliability of 34 Circuits Serving Los Angeles District 3

	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
Los Angeles District 3	107.6	0.8	1.0	153.5	1.3	1.6	137.5	1.3	1.8	45.4	0.6	1.1	31.1	0.4	0.3	37.5	0.4	0.2	55.9	0.7	1.1	169.9	2.1	2.7
3rd Party	9%	3%	4%	8%	9%	9%	18%	12%	14%	10%	8%	6%	27%	9%	14%	8%	11%	2%	5%	4%	10%	11%	7%	8%
Equipment Failure	58%	58%	22%	35%	37%	19%	50%	55%	35%	21%	44%	25%	57%	50%	19%	44%	44%	69%	53%	52%	44%	43%	48%	36%
Operation	14%	15%	1%	28%	28%	15%	10%	9%	1%	2%	4%	0%	8%	13%	2%	19%	8%	2%	5%	12%	2%	8%	9%	1%
Other	3%	3%	38%	9%	13%	20%	10%	16%	17%	36%	24%	36%	2%	12%	64%	30%	37%	0%	19%	13%	31%	23%	21%	33%
Vegetation/Animal	7%	15%	30%	2%	3%	33%	1%	1%	27%	0%	0%	6%	0%	0%	0%	0%	0%	0%	3%	8%	6%	1%	3%	5%
Weather/Fire/Earthquake	8%	5%	4%	18%	10%	3%	11%	7%	5%	30%	20%	27%	6%	16%	1%	0%	0%	27%	13%	12%	8%	14%	12%	17%
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 Los Angeles District 3

	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	
BONNELL(4.16KV) - Customers: 42	949.0	4.0	1.0	744.6	2.1	1.1	16.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.5	0.0	0.0	1.6	
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	32%	
Equipment Failure	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Operation	2%	49%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	68%	
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%	3%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Weather/Fire/Earthquake	97%	50%	100%	97%	53%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
BUFFER(16KV) - Customers: 1,061	157.3	2.0	2.2	20.1	0.1	0.0	1.2	0.0	1.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	6.2	0.0	0.0	
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Equipment Failure	96%	98%	54%	99%	89%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	85%	77%	0%	
Operation	4%	2%	0%	1%	11%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	15%	23%	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%	46%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
CASTRO PEAK(2.4KV) - Customers: 8	11.0	1.0	0.0	36.0	1.0	0.0	264.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	
3rd Party	0%	0%	0%	0%	0%	0%	96%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Operation	100%	100%	0%	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%	100%	100%	0%	4%	25%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	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%	
CHENEY(4.16KV) - Customers: 279	0.0	0.0	0.0	80.3	2.0	1.0	9.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0	0.0	2.0	37.0	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%	50%	0%	0%	50%	
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%	67%	50%	0%	1%	14%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	
Other	0%	0%	0%	0%	0%	0%	99%	86%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Vegetation/Animal	0%	0%	0%	33%	50%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	50%	

Reliability Histories for Individual Circuits Serving Los Angeles District 3

	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
CORNELL(4.16KV) - Customers: 187	103.0	1.0	1.0	43.9	1.0	0.0	115.1	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	0.0	0.0	0.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	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	9%	3%	0%	0%	0%	0%	11%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	100%	100%	0%	89%	96%	0%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	91%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CRUMNER(16KV) - Customers: 1,747	23.2	0.5	1.0	110.9	1.4	0.8	62.7	1.2	0.9	0.0	0.0	0.0	11.4	0.9	0.0	58.3	1.0	0.0	75.5	1.1	1.8	145.3	3.0	1.8
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	40%	33%	0%
Equipment Failure	12%	2%	0%	100%	100%	100%	72%	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	83%	95%	100%	43%	34%	100%
Operation	1%	1%	0%	0%	0%	0%	28%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	5%	0%	9%	2%	0%
Other	2%	1%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	8%	32%	0%
Vegetation/Animal	84%	96%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CUTHBERT(16KV) - Customers: 2,225	275.5	2.5	2.4	319.6	1.7	2.1	187.0	3.1	3.0	166.4	3.4	7.0	5.2	0.0	1.0	5.8	0.1	0.0	95.0	1.0	1.0	272.3	4.6	9.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	33%	33%	17%	14%	74%	85%	0%	1%	0%	0%	0%	0%	0%	22%	13%	11%
Equipment Failure	81%	58%	18%	16%	22%	47%	100%	99%	34%	42%	59%	57%	20%	6%	0%	44%	0%	0%	3%	2%	0%	28%	44%	44%
Operation	2%	2%	0%	14%	11%	0%	0%	1%	0%	0%	0%	0%	5%	9%	0%	32%	95%	0%	0%	0%	0%	1%	2%	0%
Other	0%	0%	82%	1%	1%	0%	0%	0%	0%	24%	25%	0%	0%	0%	100%	23%	4%	0%	0%	0%	0%	15%	18%	11%
Vegetation/Animal	16%	39%	0%	1%	8%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	1%	0%	69%	58%	5%	0%	0%	33%	0%	0%	29%	0%	0%	0%	0%	0%	0%	97%	98%	100%	34%	22%	33%
FEDERAL(16KV) - Customers: 47	0.0	0.0	1.0	690.5	1.9	2.1	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	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	48%	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	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	100%	100%	52%	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 Los Angeles District 3

	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
GALAHAD(16KV) - Customers: 2,259	327.9	1.4	0.5	695.0	7.2	5.4	253.3	2.5	2.9	51.2	2.1	2.9	77.8	1.7	0.1	218.0	3.0	0.0	227.4	1.6	2.1	574.4	8.4	5.2
3rd Party	18%	8%	0%	0%	0%	17%	0%	0%	0%	18%	7%	0%	0%	0%	0%	0%	0%	0%	17%	19%	0%	8%	5%	0%
Equipment Failure	11%	48%	7%	39%	44%	3%	43%	20%	66%	28%	48%	0%	30%	3%	0%	32%	21%	0%	46%	67%	88%	37%	33%	37%
Operation	55%	24%	0%	46%	44%	76%	50%	40%	1%	0%	0%	0%	31%	40%	100%	2%	2%	0%	0%	0%	0%	5%	9%	2%
Other	2%	4%	0%	1%	1%	0%	7%	40%	33%	0%	0%	35%	0%	0%	0%	66%	77%	0%	38%	13%	0%	40%	30%	20%
Vegetation/Animal	12%	11%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	2%	5%	0%	14%	11%	4%	0%	0%	0%	53%	45%	65%	39%	57%	0%	0%	0%	0%	0%	0%	12%	10%	22%	42%
HORIZON(16KV) - Customers: 969	2.1	0.0	0.0	164.9	0.4	0.0	89.7	1.0	1.9	18.6	0.0	0.0	15.9	0.3	0.0	0.0	0.0	0.0	0.1	0.0	3.0	34.6	0.3	3.0
3rd Party	50%	33%	0%	0%	0%	0%	0%	0%	34%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	33%	46%	86%	33%
Equipment Failure	0%	0%	0%	0%	0%	0%	93%	98%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	50%	67%	0%	1%	15%	0%	6%	1%	0%	15%	49%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	8%	7%	0%
Other	0%	0%	0%	71%	65%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	67%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	28%	20%	0%	0%	0%	0%	85%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	7%	0%
HORNTOAD(16KV) - Customers: 1,482	93.1	0.6	3.0	16.8	0.1	0.0	42.0	0.3	4.0	0.0	0.0	0.0	164.0	0.6	1.0	0.1	0.0	0.0	0.0	0.0	1.0	164.1	0.6	2.0
3rd Party	0%	0%	33%	0%	0%	0%	0%	0%	25%	0%	0%	0%	81%	81%	100%	0%	0%	0%	0%	0%	0%	81%	81%	50%
Equipment Failure	96%	98%	34%	0%	0%	0%	8%	4%	25%	0%	0%	0%	19%	19%	0%	0%	0%	0%	0%	0%	0%	19%	19%	0%
Operation	4%	2%	0%	0%	0%	0%	10%	7%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	33%	100%	100%	0%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	80%	87%	50%	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%
JAWS(12KV) - Customers: 40	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	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	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 Los Angeles District 3

	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
KANAN(16KV) - Customers: 2,640	13.2	0.1	0.0	1.1	0.0	0.0	392.0	3.1	2.5	0.0	0.0	0.0	170.9	1.6	0.0	75.4	1.6	2.2	14.6	0.1	0.0	260.9	3.3	2.2
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	95%	56%	100%	0%	0%	0%	96%	89%	97%	0%	0%	0%	100%	100%	0%	95%	92%	100%	91%	58%	0%	98%	95%	100%
Operation	5%	44%	0%	100%	100%	0%	4%	11%	3%	0%	0%	0%	0%	0%	0%	5%	8%	0%	9%	42%	0%	2%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LA MANCHA(16KV) - Customers: 2,193	7.3	0.2	0.0	17.1	0.2	2.3	16.8	0.2	0.7	0.0	0.0	0.0	12.9	0.1	0.0	41.4	0.3	0.1	1.2	0.0	0.2	55.5	0.4	0.3
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%	42%	12%	0%	9%	1%	25%	0%	0%	0%	100%	100%	0%	100%	100%	100%	0%	0%	0%	98%	97%	42%
Operation	100%	100%	100%	38%	84%	0%	1%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	2%	3%	58%
Other	0%	0%	0%	19%	5%	6%	91%	98%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	94%	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%
LINDERO(16KV) - Customers: 1,630	135.9	1.6	0.0	420.3	4.0	2.1	5.4	0.0	0.2	1.5	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	5.2	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	87%	80%	0%	69%	66%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	54%	67%	100%	0%	0%	0%	39%	28%	100%
Operation	13%	20%	0%	31%	34%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	59%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	33%	0%	0%	0%	0%	32%	14%	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%
LOPEZ(16KV) - Customers: 1,475	193.9	1.3	1.4	77.9	1.6	3.7	106.8	0.9	3.7	177.8	0.6	0.4	5.8	0.0	1.0	140.8	0.0	0.0	0.2	0.0	0.0	324.5	0.7	1.4
3rd Party	0%	0%	0%	61%	31%	17%	39%	11%	27%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	2%	4%	0%
Equipment Failure	95%	95%	0%	7%	1%	27%	51%	75%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Operation	0%	0%	9%	2%	1%	0%	10%	14%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	43%	5%	0%
Other	5%	4%	11%	23%	65%	30%	0%	0%	31%	98%	99%	94%	0%	0%	100%	0%	0%	0%	0%	0%	0%	54%	90%	98%
Vegetation/Animal	0%	0%	72%	0%	0%	26%	0%	0%	27%	2%	1%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	2%
Weather/Fire/Earthquake	0%	0%	9%	7%	2%	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 Los Angeles District 3

	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
MAGUIRE(16KV) - Customers: 882	74.6	1.5	0.6	150.5	1.9	4.4	157.3	1.5	0.7	21.0	0.0	0.0	0.0	0.0	1.0	4.6	0.0	0.2	19.5	0.7	2.3	45.1	0.8	3.6
3rd Party	4%	1%	0%	24%	14%	0%	51%	21%	0%	41%	30%	0%	0%	0%	0%	63%	89%	100%	0%	0%	0%	25%	7%	7%
Equipment Failure	40%	15%	33%	0%	0%	0%	4%	3%	0%	35%	39%	0%	0%	0%	0%	37%	11%	0%	34%	2%	0%	35%	4%	0%
Operation	25%	68%	0%	1%	0%	0%	2%	8%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	66%	98%	14%	29%	88%	9%
Other	31%	15%	67%	69%	85%	100%	42%	68%	53%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	86%	0%	0%	84%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	5%	1%	0%	0%	0%	0%	24%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	1%	0%
MERLIN(16KV) - Customers: 970	249.8	2.0	1.0	569.5	3.1	1.1	272.9	3.0	0.2	213.5	2.0	2.0	0.9	0.0	0.0	79.1	0.7	0.0	440.1	3.8	1.4	733.5	6.5	3.4
3rd Party	53%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	3%	1%	0%	0%	0%	0%	52%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	74%	54%	69%	44%	32%	29%
Operation	0%	0%	0%	68%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
Other	35%	25%	100%	32%	56%	100%	46%	33%	0%	100%	100%	100%	0%	0%	0%	100%	99%	0%	10%	26%	31%	46%	57%	71%
Vegetation/Animal	8%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	2%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	20%	0%	9%	12%	0%
MILO(16KV) - Customers: 1,733	6.5	0.0	3.6	12.8	0.0	2.0	29.9	1.1	3.0	18.2	1.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	176.4	2.9	1.1	195.1	3.9	1.1
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	91%	89%	28%	21%	47%	0%	70%	91%	33%	64%	98%	0%	0%	0%	0%	100%	100%	0%	58%	67%	8%	59%	75%	8%
Operation	9%	11%	0%	0%	0%	0%	30%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	3%	0%	7%	2%	0%
Other	0%	0%	24%	0%	0%	0%	0%	0%	0%	36%	2%	0%	0%	0%	0%	0%	0%	0%	34%	30%	92%	34%	23%	92%
Vegetation/Animal	0%	0%	48%	79%	53%	100%	0%	0%	67%	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%
MULHOLLAND(16KV) - Customers: 544	173.0	0.9	1.4	205.7	0.9	0.0	162.4	0.6	0.9	39.6	0.1	1.0	170.6	0.6	0.4	1.5	0.0	0.0	0.0	0.0	0.0	211.8	0.7	1.4
3rd Party	45%	13%	0%	0%	0%	0%	76%	24%	50%	91%	94%	0%	80%	22%	0%	0%	0%	0%	0%	0%	0%	82%	36%	0%
Equipment Failure	0%	0%	0%	83%	14%	0%	6%	2%	0%	0%	0%	0%	19%	77%	100%	100%	100%	0%	0%	0%	0%	16%	63%	28%
Operation	11%	4%	27%	0%	0%	0%	17%	72%	0%	9%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%
Other	0%	0%	29%	17%	85%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	72%
Vegetation/Animal	0%	0%	29%	0%	0%	0%	1%	2%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Weather/Fire/Earthquake	44%	82%	15%	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 Los Angeles District 3

	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
NICHOLAS(16KV) - Customers: 1,937	59.4	0.5	0.8	357.8	1.3	0.1	227.8	1.5	0.0	1.0	0.0	2.0	9.1	0.0	0.0	73.3	0.5	0.0	85.0	1.8	4.7	168.4	2.4	6.6
3rd Party	17%	21%	0%	55%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	54%	66%	100%	15%	9%	0%	0%	0%	0%	62%	50%	0%	2%	3%	0%	100%	100%	0%	88%	50%	100%	89%	60%	70%
Operation	30%	12%	0%	0%	0%	0%	4%	7%	0%	0%	0%	0%	98%	97%	0%	0%	0%	0%	12%	50%	0%	11%	40%	0%
Other	0%	0%	0%	0%	0%	0%	67%	80%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%
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%	30%	16%	100%	28%	14%	0%	38%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
NIMITZ(16KV) - Customers: 14	18.2	0.6	0.9	0.0	0.0	2.1	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	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	47%	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	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	100%	100%	100%	0%	0%	53%	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%
PARADISE(16KV) - Customers: 808	90.1	0.4	0.0	99.1	0.5	0.4	47.4	0.3	1.5	2.2	0.0	0.0	5.8	0.0	0.0	8.0	0.0	0.0	6.8	0.1	2.0	22.8	0.1	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	52%	0%	0%	52%
Equipment Failure	3%	1%	0%	58%	11%	0%	83%	84%	7%	41%	38%	0%	15%	22%	0%	100%	100%	0%	0%	0%	0%	43%	23%	0%
Operation	0%	0%	0%	1%	1%	0%	0%	1%	0%	59%	63%	0%	85%	78%	0%	0%	0%	0%	0%	0%	0%	27%	26%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	48%	0%	0%	48%
Vegetation/Animal	0%	0%	0%	41%	88%	0%	16%	15%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	30%	51%	0%
Weather/Fire/Earthquake	97%	99%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PATTON(16KV) - Customers: 5	474.5	0.5	1.0	0.0	0.0	2.1	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	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	56%	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	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	100%	100%	100%	0%	0%	44%	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 Los Angeles District 3

	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
PLATEAU(16KV) - Customers: 2,364	58.1	0.3	0.3	45.3	0.3	1.0	311.8	3.2	2.3	17.0	0.1	1.1	0.0	0.0	0.0	0.4	0.0	1.0	29.3	0.9	0.0	46.7	0.9	2.1
3rd Party	0%	0%	0%	0%	0%	0%	82%	68%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	57%	71%	29%	67%	30%	0%	15%	31%	63%	0%	0%	0%	0%	0%	0%	100%	100%	0%	86%	86%	0%	55%	81%	0%
Operation	8%	2%	0%	9%	64%	0%	3%	1%	5%	21%	69%	0%	0%	0%	0%	0%	0%	0%	14%	14%	0%	16%	17%	0%
Other	0%	0%	68%	0%	0%	0%	0%	0%	0%	79%	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	2%	4%
Vegetation/Animal	35%	27%	3%	0%	0%	100%	0%	0%	0%	0%	0%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	48%
Weather/Fire/Earthquake	0%	0%	0%	24%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	48%
PURDUE(16KV) - Customers: 1,903	0.0	0.0	2.0	13.2	0.0	2.0	18.9	1.0	2.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	34.0	1.0	1.0	34.0	1.0	3.0
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	0%	0%	0%	0%	0%	0%	2%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	50%	0%	0%	0%	98%	100%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	67%
Vegetation/Animal	0%	0%	50%	0%	0%	50%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	33%
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%
RHODA(16KV) - Customers: 880	5.9	0.1	0.0	0.0	0.0	0.0	23.5	0.1	0.0	311.9	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	311.9	1.0	4.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	25%
Equipment Failure	0%	0%	0%	0%	0%	0%	99%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	0%	1%	3%	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%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
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%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	50%
SERRA(16KV) - Customers: 163	116.6	1.1	1.0	313.6	0.7	2.3	46.4	0.5	1.5	0.0	0.0	0.0	25.4	0.0	0.0	0.0	0.0	0.0	39.0	0.2	3.0	64.4	0.3	3.0
3rd Party	0%	0%	0%	26%	27%	78%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	64%	50%	100%	39%	41%	100%
Equipment Failure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	50%	0%	22%	41%	0%
Operation	0%	0%	0%	74%	73%	22%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	39%	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%	100%	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 Los Angeles District 3

	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
SIENNA(16KV) - Customers: 942	135.0	0.5	0.1	61.3	1.0	0.2	4.9	0.0	3.0	132.1	1.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	134.7	1.0	2.0
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	70%	60%	100%	85%	96%	100%	56%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	1%	1%	0%
Operation	30%	40%	0%	15%	4%	0%	44%	63%	1%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	2%	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%	98%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	66%	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%	98%	98%	2%
SYLVIA(4.16KV) - Customers: 253	0.0	0.0	0.0	226.0	2.0	1.0	688.5	1.0	1.0	61.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	61.4	1.9	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Equipment Failure	0%	0%	0%	89%	50%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	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%	11%	50%	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%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TRIUNFO(16KV) - Customers: 507	0.0	0.0	0.0	27.2	0.3	0.0	91.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.9	0.0	0.3	5.1	0.0	0.3
3rd Party	0%	0%	0%	0%	0%	0%	69%	60%	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%	0%	0%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Other	0%	0%	0%	0%	0%	0%	31%	40%	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%
TUNA(16KV) - Customers: 604	230.8	1.6	0.3	163.3	1.2	1.9	48.9	0.2	1.5	106.0	0.3	3.3	0.0	0.0	0.0	22.4	0.8	0.0	0.0	0.0	0.0	128.3	1.1	3.3
3rd Party	5%	2%	0%	53%	86%	0%	44%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	95%	98%	100%	46%	8%	46%	40%	38%	2%	77%	61%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63%	18%	30%
Operation	0%	0%	0%	1%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	17%	71%	0%
Other	0%	0%	0%	0%	0%	54%	16%	33%	98%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%
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%	23%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	11%	0%

Reliability Histories for Individual Circuits Serving Los Angeles District 3

	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
VETERANS(16KV) - Customers: 1,711	180.3	0.8	3.4	8.4	0.0	0.9	146.9	1.0	0.2	3.6	0.0	0.0	22.6	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	1.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	11%	0%	0%	0%	84%	95%	100%	100%	100%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	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%	58%	0%	0%	0%	16%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	1%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VICASA(16KV) - Customers: 1,964	7.0	0.5	0.0	25.1	0.2	2.0	222.0	1.6	3.0	38.6	0.1	0.1	8.7	0.1	0.0	2.7	0.0	0.0	39.7	0.4	1.3	89.7	0.5	1.3
3rd Party	0%	0%	0%	26%	9%	0%	0%	0%	0%	0%	0%	0%	9%	7%	0%	0%	0%	0%	24%	44%	3%	11%	31%	3%
Equipment Failure	41%	1%	0%	0%	0%	0%	13%	4%	0%	92%	60%	0%	16%	5%	0%	100%	100%	0%	0%	0%	0%	44%	14%	0%
Operation	59%	99%	0%	68%	90%	0%	3%	2%	0%	5%	38%	0%	46%	62%	0%	0%	0%	0%	22%	10%	0%	16%	21%	0%
Other	0%	0%	0%	0%	0%	51%	4%	5%	17%	0%	0%	100%	0%	0%	0%	0%	0%	0%	54%	46%	79%	24%	31%	78%
Vegetation/Animal	0%	0%	0%	5%	1%	49%	0%	0%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	0%	0%	17%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	80%	89%	17%	3%	3%	0%	28%	25%	100%	0%	0%	0%	0%	0%	0%	4%	3%	3%