



# Circuit Reliability Review

## **Los Angeles District 4**

---

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 Los Angeles County

## District 4

AGOURA HILLS

ALHAMBRA

ALTADENA

ARCADIA

ARTESIA

AVALON

BALDWIN PARK

BELL

BELL GARDENS

BELLFLOWER

BEVERLY HILLS

BRADBURY

CALABASAS

CARSON

CASA CONEJO

CERRITOS

CERRITOS ISLANDS

CITY OF INDUSTRY (SHARED)

CITY TERRACE

COMMERCE

COMPTON

CUDAHY

CULVER CITY

DIAMOND BAR

DOMINGUEZ HILLS/RANCHO DOMINGUEZ

DOWNEY

DUARTE

EAST LA MIRADA

EAST LOS ANGELES

EAST PASADENA

EAST SAN GABRIEL

EAST WHITTIER

EL MONTE

EL SEGUNDO

FRANKLIN CANYON

GARDENA

GLENDALE

HACIENDA HEIGHTS

HARBOR CITY

HAWAIIAN GARDENS

HAWTHORNE

HERMOSA BEACH

HIDDEN HILLS

HUNTINGTON PARK

INGLEWOOD

IRWINDALE

LA CANADA FLINTRIDGE

LA CRESCENTA-MONTROSE

# Cities in the Los Angeles County

## District 4

LA HABRA HEIGHTS	MAYWOOD	ROSEMEAD
LA MIRADA	MONROVIA	ROSSMOOR
LA RAMBLA	MONTEBELLO (SHARED)	ROWLAND HEIGHTS
LADERA HEIGHTS	MONTEREY PARK	SAN CLEMENTE ISLAND
LAKEWOOD	MOORPARK	SAN GABRIEL (SHARED)
LAWNDALE	NORTHWEST WHITTIER	SAN MARINO
LOMITA	NORWALK	SANTA CATALINA ISLAND
LONG BEACH (SHARED)	OAK PARK	SANTA FE SPRINGS
LOS ALAMITOS	PALOS VERDES ESTATES	SANTA MONICA
LOS ANGELES/UNINCORPORATED (ZIPS 59, 61, 01, 02, 22, 23)	PARAMOUNT	SEAL BEACH
LOS NIETOS	PASADENA	SIERRA MADRE
LYNWOOD	PICO RIVERA (SHARED)	SIGNAL HILL
MALIBU	RANCHO PALOS VERDES	SIMI VALLEY
MANHATTAN BEACH	REDONDO BEACH	SOUTH EL MONTE
MARINA DEL REY	ROLLING HILLS	SOUTH GATE
MAYFLOWER VILLAGE	ROLLING HILLS ESTATES	SOUTH PASADENA

# Cities in the Los Angeles County

## District 4

SOUTH SAN GABRIEL

SOUTH WHITTIER

TEMPLE CITY (SHARED)

THOUSAND OAKS

TORRANCE (SHARED)

UNIVERSAL CITY

VINCENT

WALNUT PARK

WEST HOLLYWOOD

WEST PUENTE VALLEY

WEST WHITTIER

WESTFIELD

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
<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 Los Angeles District 4

## There are 122 circuits that serve Los Angeles District 4

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ACAPULCO(12KV)	25	DOLAN(12KV)	181	HOBO(12KV)	139	POSEIDON(12KV)	164
ALBURTIS(12KV)	1,711	DRILLER(12KV)	1,714	HOLBROOK(4.16KV)	607	PRUNE(12KV)	1,948
AMTRAK(12KV)	35	DRUM(12KV)	1,108	IDAHO(12KV)	2,495	ROCKHILL(12KV)	1,617
ARGO(12KV)	1,713	EL PASEO(4.16KV)	919	INTERIOR(12KV)	1,091	SANDMAN(16KV)	1,288
ATHENA(12KV)	38	ENGINE(12KV)	121	JAY(4.16KV)	672	SEA PONY(12KV)	4
BETA(12KV)	3,129	EPSILON(16KV)	128	JEPSON(16KV)	473	SEAHORSE(16KV)	291
BINNEY(12KV)	2,205	FACTORY(12KV)	74	KEEL(12KV)	21	SHADE(12KV)	1,218
BIOLA(12KV)	1,926	FANTAIL(16KV)	4,468	KEITH(4.16KV)	583	SHOPPER(12KV)	1,949
BRAKEMAN(12KV)	1,704	FASHION(12KV)	11	KILKENNY(12KV)	2,357	SIGMA(16KV)	113
BRONCO(12KV)	2,470	FIELDGATE(12KV)	2,337	KILROY(12KV)	2,895	SILICONE(16KV)	2,247
CABOOSE(12KV)	1,774	FIRMONA(16KV)	1,897	KWIS(12KV)	2,212	SPLENDORA(12KV)	2,495
CADBURY(4.16KV)	688	FLOAT(12KV)	6	LAIRD(12KV)	2,667	SQUALL(12KV)	1,685
CADILLAC(12KV)	407	FRIENDS(12KV)	1,347	LEFFINGWELL(12KV)	2,507	STARBUCK(12KV)	375
CALM(12KV)	928	GAMMA(12KV)	516	LOCOMOTIVE(12KV)	1,497	STATLER(16KV)	1,674
CARNELIAN(16KV)	4,902	GARD(12KV)	605	LOFTUS(12KV)	970	STELLA(12KV)	2,678
CARRIER(12KV)	2	GARTEL(12KV)	1,100	MALLET(12KV)	2,748	STORM(12KV)	3,227
CHELLA(12KV)	1,694	GASBAG(16KV)	72	MAST(12KV)	22	SUBWAY(12KV)	31
CHRIS(12KV)	1,411	GATLIN(12KV)	2,213	MILL(12KV)	141	SUZY(12KV)	236
CODY(12KV)	1,550	GOBLIN(12KV)	17	MILLERGROVE(12KV)	2,433	TERRADELL(12KV)	2,215
COLFAX(12KV)	2,313	GONDOLA(12KV)	810	MOLE(12KV)	4	TIPPERARY(12KV)	2,162
CONANT(12KV)	1,203	GRAVEYARD(16KV)	1,395	MULLIGAN(12KV)	430	TRAIN(12KV)	1,754
CONVEYOR(12KV)	1,401	GRAZIDE(12KV)	1,084	MYSTIC(12KV)	284	TRESTLE(12KV)	2,604
CORNWALL(12KV)	1,397	GREAT WHITE(12KV)	1	OCCIDENTAL(16KV)	702	TURNBULL(12KV)	1,405
CORVETTE(12KV)	257	GUIRADO(4.16KV)	434	OLDS(12KV)	1,648	TWISTER(12KV)	1,739
COUNTRYWOOD(12KV)	712	GUSHER(12KV)	1,050	O'MALLEY(12KV)	1,930	VICKI(12KV)	1,269
COUPLER(12KV)	2,573	HACKBERRY(12KV)	2,031	OMEGA(12KV)	1,743	WAHOO(12KV)	2,127
COWCATCHER(12KV)	1,595	HAHN(12KV)	941	ORCHARDALE(12KV)	1,122	WHIPSTOCK(12KV)	908
CUPID(12KV)	44	HANDCAR(12KV)	1,179	O'TOOLE(12KV)	2,357	WHITTWOOD(4.16KV)	660
DINER(12KV)	2,616	HEREFORD(12KV)	2,350	PAINTER(12KV)	2,917	WRIGLEY(12KV)	1,194
DOE(12KV)	1,349	HI LINE(12KV)	101	PETE(12KV)	2,284	YORKTOWN(12KV)	2,196
<b>Grand Total</b>	<b>159,578</b>						

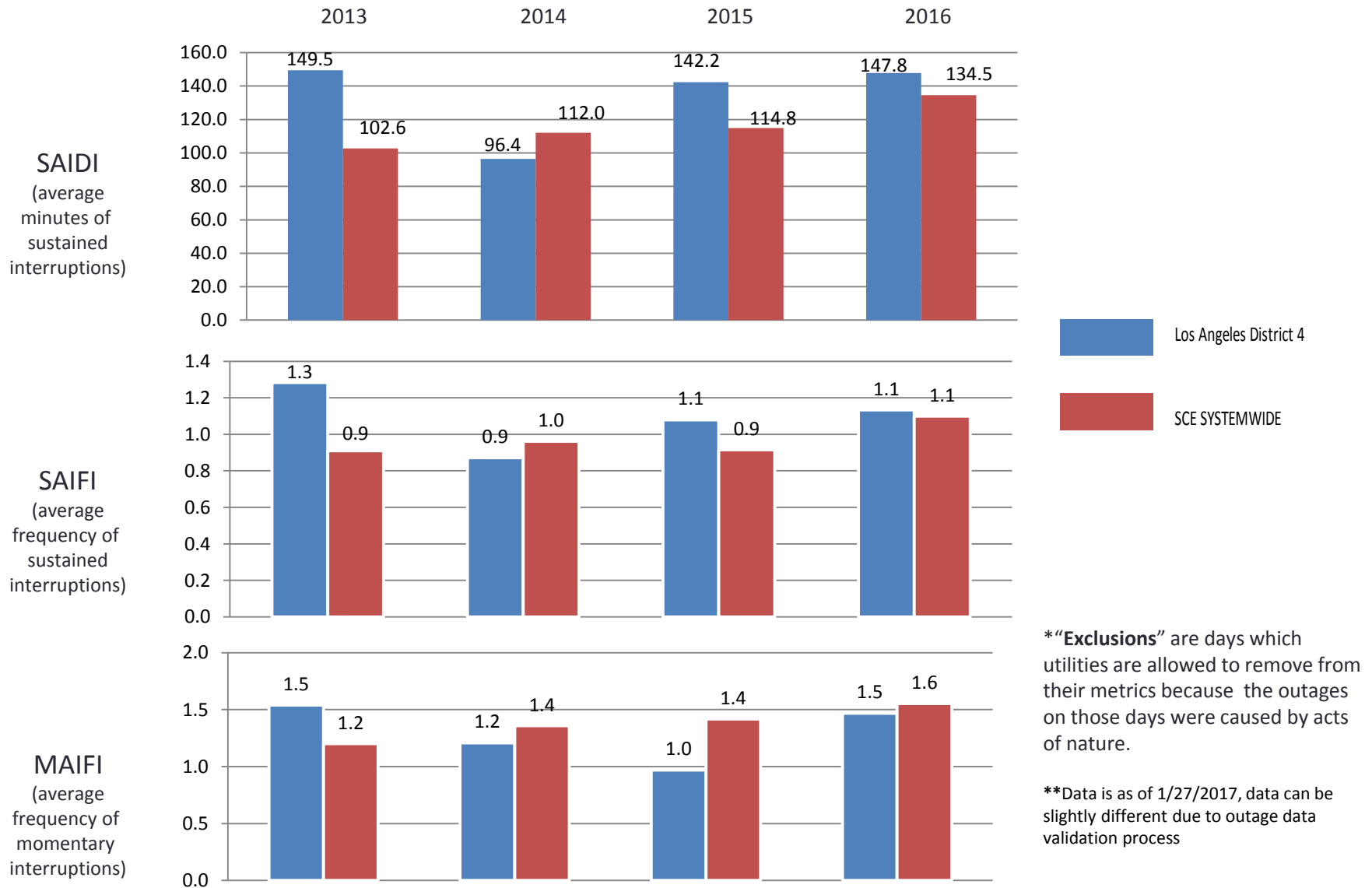
# Overview of Los Angeles District 4

There are 122 circuits that serve Los Angeles District 4

ZEPPELIN(16KV)	142
ZEUS(12KV)	30

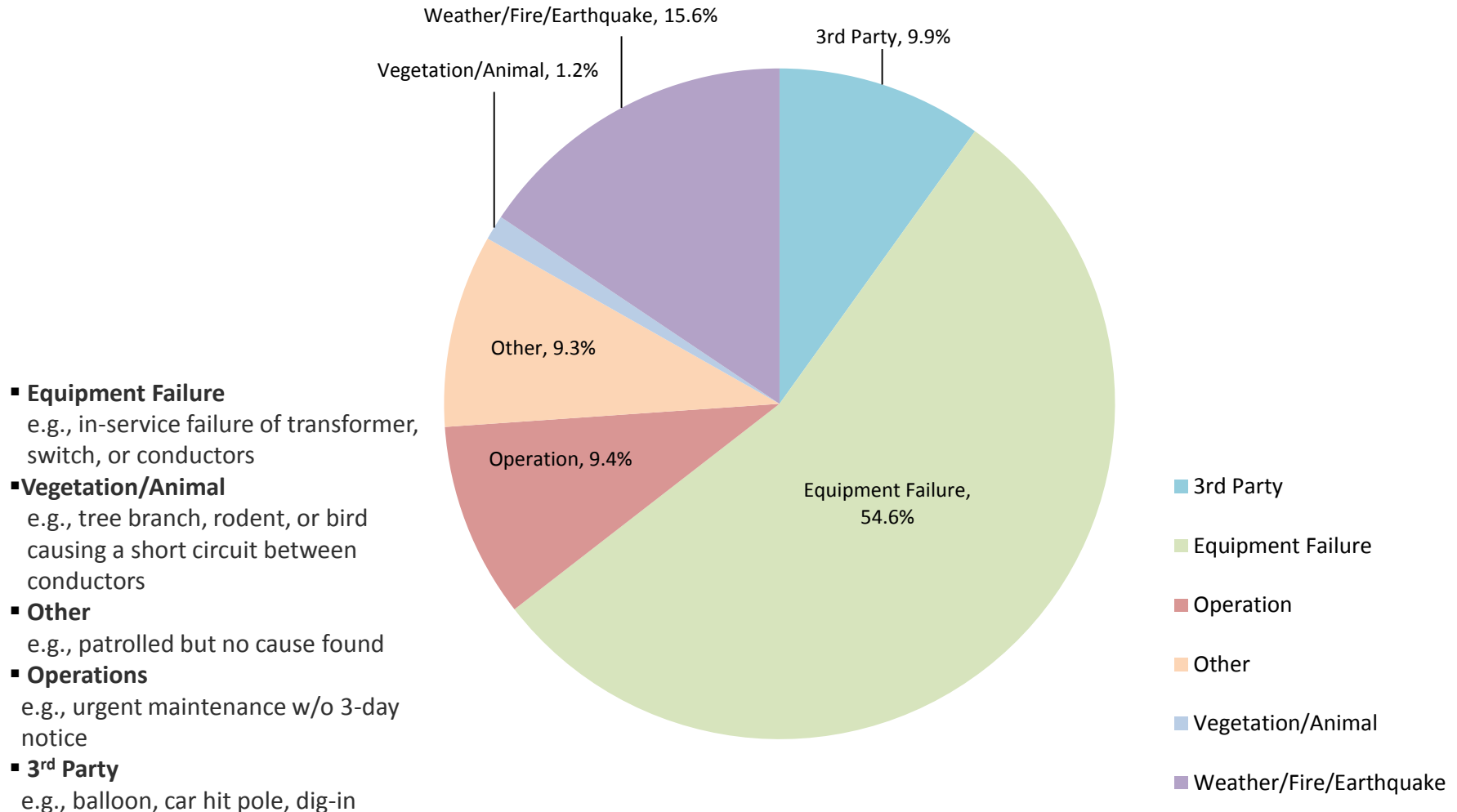
<b>Grand Total</b>	159,578
--------------------	---------

# Reliability History of Circuits Serving Los Angeles District 4 (No Exclusions)



# Causes of Repair Outages in Los Angeles District 4 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 4 Circuits 2016 YTD

## Contributions to SAIFI by Outage Cause

Weather/Fire/Earthquake, 11.8%

Vegetation/Animal, 1.8%

Other, 10.7%

Operation, 16.8%

Equipment Failure,  
44.1%

3rd Party, 14.8%

- **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

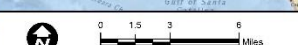
- 3rd Party
- Equipment Failure
- Operation
- Other
- Vegetation/Animal
- Weather/Fire/Earthquake

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

## Los Angeles County District 4 Unincorporated Areas 2017 All Circuits

<span style="color: red;">■</span> Unincorporated Community	— FANTA	— HULL-GIR
<span style="color: orange;">■</span> Unincorporated County Area	— PARK-GR	— HUNT-C
<span style="color: yellow;">■</span> Supervisory District	— F. CLAUDE	— CHALVAL
<b>Distribution Circuit</b>	— F. VONA	— CHICK-1
— ACAT-1000	— F. CAT	— CIO-DISTAL
— ALB-178	— F. C. MAG	— CLAY
— AVALON	— GAYNA	— CMECA
— ARCO	— GRU-1	— CMC-1000
— AT-HA	— GRU-2	— PA-NEK
— AVALON	— GRU-3	— PTE
— BAY-100	— GRU-4	— PORT-DON
— BAY-100	— GRU-5	— P. DINE
— BCTA	— GRU-6	— HUGH-ALL
— BIRNEY	— GRU-7	— HUNTING
— BOLA	— GRU-8	— HUNTING
— BROWNS	— GRU-9	— HUNTING
— BROWNS	— GRU-10	— HUNTING
— BROWNS	— GRU-11	— HUNTING
— BROWNS	— GRU-12	— HUNTING
— BROWNS	— GRU-13	— HUNTING
— BROWNS	— GRU-14	— HUNTING
— BROWNS	— GRU-15	— HUNTING
— BROWNS	— GRU-16	— HUNTING
— BROWNS	— GRU-17	— HUNTING
— BROWNS	— GRU-18	— HUNTING
— BROWNS	— GRU-19	— HUNTING
— BROWNS	— GRU-20	— HUNTING
— BROWNS	— GRU-21	— HUNTING
— BROWNS	— GRU-22	— HUNTING
— BROWNS	— GRU-23	— HUNTING
— BROWNS	— GRU-24	— HUNTING
— BROWNS	— GRU-25	— HUNTING
— BROWNS	— GRU-26	— HUNTING
— BROWNS	— GRU-27	— HUNTING
— BROWNS	— GRU-28	— HUNTING
— BROWNS	— GRU-29	— HUNTING
— BROWNS	— GRU-30	— HUNTING
— BROWNS	— GRU-31	— HUNTING
— BROWNS	— GRU-32	— HUNTING
— BROWNS	— GRU-33	— HUNTING
— BROWNS	— GRU-34	— HUNTING
— BROWNS	— GRU-35	— HUNTING
— BROWNS	— GRU-36	— HUNTING
— BROWNS	— GRU-37	— HUNTING
— BROWNS	— GRU-38	— HUNTING
— BROWNS	— GRU-39	— HUNTING
— BROWNS	— GRU-40	— HUNTING
— BROWNS	— GRU-41	— HUNTING
— BROWNS	— GRU-42	— HUNTING
— BROWNS	— GRU-43	— HUNTING
— BROWNS	— GRU-44	— HUNTING
— BROWNS	— GRU-45	— HUNTING
— BROWNS	— GRU-46	— HUNTING
— BROWNS	— GRU-47	— HUNTING
— BROWNS	— GRU-48	— HUNTING
— BROWNS	— GRU-49	— HUNTING
— BROWNS	— GRU-50	— HUNTING
— BROWNS	— GRU-51	— HUNTING
— BROWNS	— GRU-52	— HUNTING
— BROWNS	— GRU-53	— HUNTING
— BROWNS	— GRU-54	— HUNTING
— BROWNS	— GRU-55	— HUNTING
— BROWNS	— GRU-56	— HUNTING
— BROWNS	— GRU-57	— HUNTING
— BROWNS	— GRU-58	— HUNTING
— BROWNS	— GRU-59	— HUNTING
— BROWNS	— GRU-60	— HUNTING
— BROWNS	— GRU-61	— HUNTING
— BROWNS	— GRU-62	— HUNTING
— BROWNS	— GRU-63	— HUNTING
— BROWNS	— GRU-64	— HUNTING
— BROWNS	— GRU-65	— HUNTING
— BROWNS	— GRU-66	— HUNTING
— BROWNS	— GRU-67	— HUNTING
— BROWNS	— GRU-68	— HUNTING
— BROWNS	— GRU-69	— HUNTING
— BROWNS	— GRU-70	— HUNTING
— BROWNS	— GRU-71	— HUNTING
— BROWNS	— GRU-72	— HUNTING
— BROWNS	— GRU-73	— HUNTING
— BROWNS	— GRU-74	— HUNTING
— BROWNS	— GRU-75	— HUNTING
— BROWNS	— GRU-76	— HUNTING
— BROWNS	— GRU-77	— HUNTING
— BROWNS	— GRU-78	— HUNTING
— BROWNS	— GRU-79	— HUNTING
— BROWNS	— GRU-80	— HUNTING
— BROWNS	— GRU-81	— HUNTING
— BROWNS	— GRU-82	— HUNTING
— BROWNS	— GRU-83	— HUNTING
— BROWNS	— GRU-84	— HUNTING
— BROWNS	— GRU-85	— HUNTING
— BROWNS	— GRU-86	— HUNTING
— BROWNS	— GRU-87	— HUNTING
— BROWNS	— GRU-88	— HUNTING
— BROWNS	— GRU-89	— HUNTING
— BROWNS	— GRU-90	— HUNTING
— BROWNS	— GRU-91	— HUNTING
— BROWNS	— GRU-92	— HUNTING
— BROWNS	— GRU-93	— HUNTING
— BROWNS	— GRU-94	— HUNTING
— BROWNS	— GRU-95	— HUNTING
— BROWNS	— GRU-96	— HUNTING
— BROWNS	— GRU-97	— HUNTING
— BROWNS	— GRU-98	— HUNTING
— BROWNS	— GRU-99	— HUNTING
— BROWNS	— GRU-100	— HUNTING

**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: 2/1/2017  
File Name: SUPER\_AC\_LA4.mxd

Features displayed herein are sharing; new sources are intended for informational purposes only. Data and sources may be displayed at no scale. Always consult with the proper legal authorities regarding such matters. Also, report on the ground.

Turner Data Systems is a registered trademark of Turner Data Systems. Reproduced with permission from Turner Data Systems. © Turner Data Systems & Company.

All rights reserved. Service Layer Credits: Content may not reflect National Geographic's current map policy. Sources: National Geographic, CartoDeLuxe, HDX, LIDAR, WGS84, UTM, NAD83, EPSG.

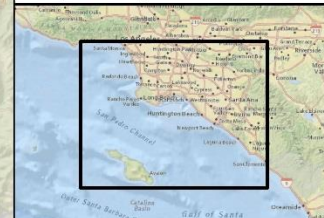
EDISON  
SOUTHERN CALIFORNIA  
AN EDISON INTERNATIONAL COMPANY



# **Los Angeles County District 4 Unincorporated Areas 2017 Capital Improvement Plan**

- Unincorporated Community
- Unincorporated County Area
- Supervisory District
- Replacement/Equipment Upgrade
  - Electrical Equipment Replacement
  - Pole Replacement
- Other Work
  - Circuit Public Safety Upgrade
  - Circuit Rebuild
  - Circuit Reliability Upgrade
  - New Circuit
  - Structures & Equipment
  - Underground Structure Replacement
- 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.



Date: 2/10/2017  
File Name: SUPER\_CIP\_Los\_Angeles\_D4.mxd

Features displayed herein are sharing, new, accurate, and intended for informational purposes only. Disclaimers and notices may be displayed at its scale. Always consult with the proper legal or engineering agencies regarding such matters. Also, report on, improve, or update. Turner Data Systems is a registered trademark of Turner Data Systems & Company. Reproduced with permission granted by Turner Data Systems & Company. All rights reserved. Service Layer Credits: Content may not reflect National Geographic's current map policy. Sources: National Geographic, CartoDeLore, HDX, UICP, WICB, USGS, NASA, EPA.



# Back-up Slides

**Reliability Histories of Circuits Serving Los Angeles District 4**

**Updated through Year-End 2016**



# Average Reliability of 122 Circuits Serving Los Angeles District 4

	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 4	149.5	1.3	1.5	96.4	0.9	1.2	142.2	1.1	1.0	46.7	0.3	0.4	22.2	0.2	0.3	38.7	0.3	0.3	40.2	0.3	0.5	147.8	1.1	1.5
3rd Party	24%	22%	24%	13%	11%	16%	20%	21%	27%	5%	10%	21%	6%	10%	36%	20%	25%	47%	9%	12%	17%	10%	15%	27%
Equipment Failure	58%	52%	33%	45%	37%	32%	57%	46%	20%	36%	25%	13%	62%	52%	19%	72%	59%	25%	56%	39%	18%	55%	44%	18%
Operation	6%	12%	7%	13%	19%	6%	10%	15%	11%	10%	16%	4%	15%	25%	15%	5%	6%	3%	10%	23%	4%	9%	17%	6%
Other	4%	5%	20%	15%	12%	24%	3%	7%	18%	12%	11%	38%	12%	13%	20%	2%	7%	7%	11%	13%	39%	9%	11%	29%
Vegetation/Animal	3%	6%	12%	8%	12%	12%	4%	4%	15%	2%	5%	7%	1%	1%	7%	1%	2%	18%	0%	0%	5%	1%	2%	8%
Weather/Fire/Earthquake	4%	3%	4%	6%	8%	10%	7%	6%	9%	36%	34%	16%	4%	1%	3%	0%	0%	1%	14%	13%	17%	16%	12%	11%
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 Los Angeles District 4

	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>ACAPULCO(12KV) - Customers: 25</b>	<b>130.2</b>	<b>1.2</b>	<b>0.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>15.4</b>	<b>0.0</b>	<b>0.0</b>	<b>36.5</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>36.5</b>	<b>1.1</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	84%	98%	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%	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%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	16%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>ALBURTIS(12KV) - Customers: 1,711</b>	<b>4.1</b>	<b>0.1</b>	<b>3.0</b>	<b>25.2</b>	<b>0.1</b>	<b>1.0</b>	<b>296.6</b>	<b>1.1</b>	<b>1.0</b>	<b>220.2</b>	<b>1.0</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>0.0</b>	<b>220.2</b>	<b>1.0</b>	<b>0.8</b>
3rd Party	46%	9%	33%	0%	0%	0%	7%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	89%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	51%	90%	0%	0%	0%	0%	0%	3%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	33%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	3%	0%	33%	0%	0%	0%	3%	2%	0%	100%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	99%	100%
<b>AMTRAK(12KV) - Customers: 35</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>162.4</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>0.0</b>	<b>7.4</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.4</b>	<b>0.1</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%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	47%	50%	0%	0%	0%	0%	47%	50%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	53%	50%	0%	0%	0%	0%	53%	50%	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>ARGO(12KV) - Customers: 1,713</b>	<b>313.0</b>	<b>1.8</b>	<b>4.2</b>	<b>67.4</b>	<b>0.8</b>	<b>1.2</b>	<b>69.2</b>	<b>0.2</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>38.9</b>	<b>0.1</b>	<b>1.9</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>38.9</b>	<b>0.1</b>	<b>1.9</b>
3rd Party	82%	90%	77%	90%	90%	100%	0%	0%	0%	0%	0%	0%	41%	33%	50%	0%	0%	0%	0%	0%	0%	41%	33%	50%
Equipment Failure	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	8%	9%	0%	0%	0%	0%	0%	0%	0%	8%	9%	0%
Operation	8%	3%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	10%	7%	23%	10%	9%	0%	0%	0%	0%	0%	0%	0%	51%	58%	50%	0%	0%	0%	0%	0%	0%	51%	58%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>ATHENA(12KV) - Customers: 38</b>	<b>165.5</b>	<b>1.1</b>	<b>2.0</b>	<b>26.7</b>	<b>0.0</b>	<b>1.0</b>	<b>71.8</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>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>
3rd Party	46%	94%	1%	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%	99%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	52%	5%	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%	100%	0%	0%	100%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>BETA(12KV) - Customers: 3,129</b>	<b>8.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>85.0</b>	<b>2.0</b>	<b>1.0</b>	<b>55.1</b>	<b>0.7</b>	<b>2.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.9</b>	<b>0.0</b>	<b>0.0</b>	<b>60.7</b>	<b>0.7</b>	<b>1.0</b>	<b>121.7</b>	<b>1.4</b>	<b>3.3</b>
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	99%	0%	49%	48%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	26%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	1%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	14%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	10%	3%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	45%	49%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	93%	86%	0%	0%	0%	0%	5%	2%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	64%	49%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>BINNEY(12KV) - Customers: 2,205</b>	<b>12.0</b>	<b>0.0</b>	<b>1.0</b>	<b>41.5</b>	<b>0.2</b>	<b>2.1</b>	<b>96.3</b>	<b>0.5</b>	<b>1.0</b>	<b>14.8</b>	<b>0.1</b>	<b>0.0</b>	<b>4.2</b>	<b>0.0</b>	<b>0.0</b>	<b>61.0</b>	<b>1.0</b>	<b>0.0</b>	<b>57.8</b>	<b>0.2</b>	<b>1.0</b>	<b>137.9</b>	<b>1.4</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	44%	72%	0%
Equipment Failure	97%	90%	100%	21%	5%	0%	69%	53%	99%	0%	0%	0%	100%	100%	0%	0%	0%	0%	92%	65%	100%	41%	12%	100%
Operation	3%	10%	0%	15%	49%	3%	4%	29%	1%	100%	100%	0%	0%	0%	0%	0%	0%	0%	8%	35%	0%	14%	17%	0%
Other	0%	0%	0%	64%	46%	0%	5%	6%	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%	21%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>BIOLA(12KV) - Customers: 1,926</b>	<b>281.9</b>	<b>1.2</b>	<b>0.0</b>	<b>22.7</b>	<b>0.1</b>	<b>2.0</b>	<b>279.9</b>	<b>1.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.9</b>	<b>0.1</b>	<b>0.0</b>	<b>20.7</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	93%	87%	0%	16%	10%	51%	97%	97%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	18%	44%	49%	3%	3%	0%	0%	0%	0%	88%	84%	0%	0%	0%	0%	18%	62%	0%	58%	70%	0%
Operation	3%	9%	0%	67%	46%	0%	0%	0%	0%	0%	0%	0%	12%	16%	0%	0%	0%	0%	82%	38%	0%	42%	30%	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	4%	4%	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 4

	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>BRAKEMAN(12KV) - Customers: 1,704</b>	<b>459.5</b>	<b>4.1</b>	<b>1.0</b>	<b>100.0</b>	<b>1.7</b>	<b>0.6</b>	<b>95.1</b>	<b>1.2</b>	<b>1.0</b>	<b>55.9</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15.1</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>71.0</b>	<b>0.9</b>	<b>1.0</b>
3rd Party	43%	58%	0%	0%	0%	0%	40%	8%	0%	56%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	66%	0%
Equipment Failure	44%	35%	0%	0%	0%	0%	39%	85%	100%	37%	3%	0%	0%	0%	0%	100%	100%	1%	0%	0%	0%	50%	6%	1%
Operation	12%	7%	0%	12%	5%	0%	21%	7%	0%	7%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	28%	0%
Other	0%	0%	100%	7%	34%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%	99%
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%	81%	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>BRONCO(12KV) - Customers: 2,470</b>	<b>135.1</b>	<b>2.6</b>	<b>8.6</b>	<b>636.7</b>	<b>3.6</b>	<b>2.6</b>	<b>114.9</b>	<b>1.6</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>171.3</b>	<b>1.0</b>	<b>0.9</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>172.5</b>	<b>1.0</b>	<b>0.9</b>
3rd Party	55%	39%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	92%	100%	0%	0%	0%	80%	91%	100%
Equipment Failure	39%	22%	65%	1%	0%	39%	73%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%
Operation	6%	39%	0%	0%	10%	24%	1%	1%	0%	100%	100%	0%	0%	0%	0%	17%	4%	0%	0%	0%	0%	17%	5%	0%
Other	0%	0%	12%	91%	62%	0%	18%	2%	0%	0%	0%	0%	0%	0%	0%	3%	4%	0%	0%	0%	0%	3%	4%	0%
Vegetation/Animal	0%	0%	0%	7%	28%	37%	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%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CABOOSE(12KV) - Customers: 1,774</b>	<b>6.4</b>	<b>0.0</b>	<b>0.0</b>	<b>276.9</b>	<b>2.4</b>	<b>1.3</b>	<b>117.7</b>	<b>1.7</b>	<b>1.0</b>	<b>10.3</b>	<b>0.1</b>	<b>0.0</b>	<b>3.2</b>	<b>0.0</b>	<b>1.0</b>	<b>65.5</b>	<b>0.8</b>	<b>0.7</b>	<b>8.3</b>	<b>0.0</b>	<b>1.0</b>	<b>87.3</b>	<b>0.8</b>	<b>2.7</b>
3rd Party	0%	0%	0%	0%	0%	0%	91%	59%	100%	0%	0%	0%	0%	0%	0%	57%	58%	0%	0%	0%	0%	43%	52%	0%
Equipment Failure	52%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	43%	42%	100%	0%	0%	0%	36%	39%	63%
Operation	6%	9%	0%	80%	58%	0%	9%	41%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	7%	0%
Other	0%	0%	0%	0%	0%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	96%	80%	100%	9%	2%	37%
Vegetation/Animal	41%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	20%	42%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	20%	0%	0%	0%	0%
<b>CADBURY(4.16KV) - Customers: 688</b>	<b>74.3</b>	<b>1.0</b>	<b>1.0</b>	<b>1.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.4</b>	<b>0.1</b>	<b>3.0</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%	0%	0%	33%	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%	100%	100%	0%	100%	100%	67%	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 4

	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>CADILLAC(12KV) - Customers: 407</b>	<b>101.4</b>	<b>0.9</b>	<b>0.9</b>	<b>374.8</b>	<b>2.2</b>	<b>1.2</b>	<b>0.5</b>	<b>0.0</b>	<b>0.1</b>	<b>0.3</b>	<b>0.0</b>	<b>1.0</b>	<b>3.5</b>	<b>0.0</b>	<b>0.0</b>	<b>27.9</b>	<b>0.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.7</b>	<b>0.1</b>	<b>2.0</b>
3rd Party	64%	93%	97%	0%	0%	0%	0%	0%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	28%	0%
Equipment Failure	36%	6%	0%	74%	54%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	78%	62%	0%	0%	0%	0%	80%	48%	0%
Operation	0%	0%	0%	2%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	22%	38%	0%	0%	0%	0%	19%	25%	0%
Other	0%	0%	0%	25%	45%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	3%	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>CALM(12KV) - Customers: 928</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>106.2</b>	<b>0.4</b>	<b>1.3</b>	<b>224.2</b>	<b>1.0</b>	<b>0.0</b>	<b>10.2</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>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.2</b>	<b>0.0</b>	<b>2.0</b>
3rd Party	0%	0%	0%	76%	89%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	50%
Equipment Failure	0%	0%	0%	24%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CARNELIAN(16KV) - Customers: 4,902</b>	<b>142.1</b>	<b>1.3</b>	<b>0.0</b>	<b>27.4</b>	<b>0.6</b>	<b>2.0</b>	<b>198.7</b>	<b>1.3</b>	<b>2.0</b>	<b>14.8</b>	<b>0.1</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>87.6</b>	<b>1.2</b>	<b>1.1</b>	<b>35.1</b>	<b>1.0</b>	<b>1.0</b>	<b>137.7</b>	<b>2.3</b>	<b>2.1</b>
3rd Party	0%	0%	0%	0%	0%	0%	1%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	96%	80%	0%	100%	100%	50%	99%	99%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	64%	52%	52%
Operation	4%	20%	0%	0%	0%	0%	0%	1%	0%	36%	37%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	30%	45%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	50%	64%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	7%	2%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CARRIER(12KV) - Customers: 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>282.0</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>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%	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	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 4

	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>CHELLA(12KV) - Customers: 1,694</b>	<b>353.3</b>	<b>2.3</b>	<b>3.0</b>	<b>67.6</b>	<b>2.0</b>	<b>1.0</b>	<b>315.2</b>	<b>3.0</b>	<b>1.8</b>	<b>4.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>25.0</b>	<b>0.9</b>	<b>0.0</b>	<b>32.2</b>	<b>0.9</b>	<b>0.0</b>
3rd Party	44%	45%	0%	0%	0%	0%	1%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	3%	0%
Equipment Failure	47%	48%	33%	0%	0%	0%	10%	5%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	8%	0%	0%
Operation	9%	8%	0%	23%	2%	0%	12%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	97%	0%	42%	94%	0%
Other	0%	0%	0%	0%	0%	0%	16%	34%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	19%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	67%	57%	49%	100%	62%	55%	46%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	3%	0%	36%	3%	0%
<b>CHRIS(12KV) - Customers: 1,411</b>	<b>112.4</b>	<b>1.8</b>	<b>4.1</b>	<b>72.1</b>	<b>0.1</b>	<b>0.9</b>	<b>129.7</b>	<b>0.8</b>	<b>3.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>28.2</b>	<b>1.0</b>	<b>0.0</b>	<b>3.3</b>	<b>0.0</b>	<b>0.0</b>	<b>51.3</b>	<b>0.5</b>	<b>0.5</b>	<b>82.9</b>	<b>1.6</b>	<b>0.5</b>
3rd Party	3%	0%	24%	0%	0%	0%	34%	70%	71%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	97%	100%	76%	100%	100%	100%	59%	23%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	96%	99%	100%
Operation	0%	0%	0%	0%	0%	0%	6%	7%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	4%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	29%	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>CODY(12KV) - Customers: 1,550</b>	<b>0.3</b>	<b>0.0</b>	<b>2.0</b>	<b>116.0</b>	<b>0.3</b>	<b>1.9</b>	<b>81.4</b>	<b>1.0</b>	<b>1.0</b>	<b>6.8</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>4.3</b>	<b>0.1</b>	<b>0.0</b>	<b>11.1</b>	<b>0.1</b>	<b>2.0</b>
3rd Party	0%	0%	50%	18%	52%	53%	0%	0%	0%	4%	20%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	2%	2%	100%
Equipment Failure	100%	100%	0%	13%	2%	0%	93%	95%	0%	96%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	59%	7%	0%
Operation	0%	0%	0%	4%	9%	0%	7%	5%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	39%	92%	0%
Other	0%	0%	50%	65%	37%	47%	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>COLFAX(12KV) - Customers: 2,313</b>	<b>19.0</b>	<b>1.6</b>	<b>0.5</b>	<b>30.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>66.6</b>	<b>0.5</b>	<b>1.5</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>8.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>75.3</b>	<b>0.6</b>	<b>1.5</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	68%
Equipment Failure	3%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	11%	4%	0%
Operation	97%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	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%	100%	99%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	95%	32%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>CONANT(12KV) - Customers: 1,203</b>	<b>39.4</b>	<b>1.0</b>	<b>1.9</b>	<b>4.5</b>	<b>0.0</b>	<b>2.0</b>	<b>24.3</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%	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%	100%	93%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	6%	3%	0%	0%	0%	0%	7%	11%	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	94%	97%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CONVEYOR(12KV) - Customers: 1,401</b>	<b>37.8</b>	<b>2.1</b>	<b>3.0</b>	<b>347.5</b>	<b>6.2</b>	<b>7.6</b>	<b>17.2</b>	<b>1.0</b>	<b>1.0</b>	<b>223.7</b>	<b>2.0</b>	<b>1.0</b>	<b>85.3</b>	<b>0.2</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9.6</b>	<b>0.0</b>	<b>0.0</b>	<b>318.7</b>	<b>2.2</b>	<b>1.8</b>
3rd Party	0%	0%	0%	16%	16%	13%	70%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	2%	0%	33%	68%	63%	40%	18%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	3%	1%	54%
Operation	64%	52%	33%	0%	0%	0%	12%	1%	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	35%	48%	33%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	6%	16%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	10%	5%	9%	0%	0%	0%	98%	99%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	96%	98%	46%
<b>CORNWALL(12KV) - Customers: 1,397</b>	<b>267.0</b>	<b>3.9</b>	<b>3.4</b>	<b>226.1</b>	<b>0.3</b>	<b>0.0</b>	<b>53.0</b>	<b>0.8</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>264.7</b>	<b>1.2</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>0.0</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>268.3</b>	<b>1.2</b>	<b>0.0</b>
3rd Party	73%	56%	88%	0%	0%	0%	62%	92%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	16%	1%	0%	99%	97%	0%	7%	1%	0%	0%	0%	0%	63%	9%	0%	100%	100%	0%	0%	0%	0%	63%	9%	0%
Operation	6%	27%	0%	1%	3%	0%	31%	7%	0%	0%	0%	0%	37%	91%	0%	0%	0%	0%	0%	0%	0%	36%	89%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	1%	2%	0%
Vegetation/Animal	5%	17%	12%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>CORVETTE(12KV) - Customers: 257</b>	<b>72.7</b>	<b>1.0</b>	<b>1.0</b>	<b>62.7</b>	<b>1.0</b>	<b>0.0</b>	<b>187.4</b>	<b>1.0</b>	<b>0.8</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>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>
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%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	100%	100%	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 4

	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>COUNTRYWOOD(12KV) - Customers: 712</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>160.6</b>	<b>2.0</b>	<b>2.0</b>	<b>201.3</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>328.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>62.4</b>	<b>2.5</b>	<b>0.8</b>	<b>390.4</b>	<b>3.7</b>	<b>0.8</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%	100%	100%	100%	100%	35%	31%	0%	0%	0%	0%	99%	97%	0%	0%	0%	0%	100%	100%	100%	99%	99%	100%
Operation	0%	0%	0%	0%	0%	0%	65%	69%	0%	0%	0%	0%	1%	3%	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%	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>COUPLER(12KV) - Customers: 2,573</b>	<b>220.9</b>	<b>0.8</b>	<b>1.4</b>	<b>266.9</b>	<b>2.4</b>	<b>1.7</b>	<b>186.2</b>	<b>0.6</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.6</b>	<b>0.1</b>	<b>0.0</b>	<b>188.5</b>	<b>1.1</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>214.1</b>	<b>1.2</b>	<b>0.8</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	99%	98%	100%	67%	45%	0%	93%	79%	98%	0%	0%	0%	50%	19%	0%	87%	86%	100%	0%	0%	0%	83%	81%	100%
Operation	1%	2%	0%	0%	0%	0%	7%	21%	2%	0%	0%	0%	50%	81%	0%	13%	14%	0%	0%	0%	0%	17%	19%	0%
Other	0%	0%	0%	1%	13%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	32%	42%	58%	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>COWCATCHER(12KV) - Customers: 1,595</b>	<b>804.6</b>	<b>1.3</b>	<b>0.2</b>	<b>98.7</b>	<b>1.0</b>	<b>1.8</b>	<b>217.9</b>	<b>1.7</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>764.6</b>	<b>1.1</b>	<b>0.0</b>	<b>29.7</b>	<b>0.0</b>	<b>0.0</b>	<b>794.3</b>	<b>1.2</b>	<b>0.0</b>
3rd Party	99%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	0%	99%	100%	46%	99%	97%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	0%	0%	1%	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%	54%	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>CUPID(12KV) - Customers: 44</b>	<b>43.3</b>	<b>1.0</b>	<b>0.0</b>	<b>136.7</b>	<b>0.3</b>	<b>0.8</b>	<b>155.6</b>	<b>2.0</b>	<b>0.0</b>	<b>9.2</b>	<b>0.0</b>	<b>3.8</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>0.6</b>	<b>9.2</b>	<b>0.0</b>	<b>4.3</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%	100%	100%	100%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	87%
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%	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%	100%	0%	0%	13%
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 4

	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>DINER(12KV) - Customers: 2,616</b>	<b>151.7</b>	<b>1.1</b>	<b>0.0</b>	<b>148.2</b>	<b>1.1</b>	<b>1.0</b>	<b>183.4</b>	<b>3.0</b>	<b>2.7</b>	<b>265.4</b>	<b>1.3</b>	<b>0.7</b>	<b>17.1</b>	<b>0.0</b>	<b>0.0</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>285.1</b>	<b>1.3</b>	<b>0.7</b>
3rd Party	0%	0%	0%	85%	94%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	99%	96%	0%	1%	1%	0%	69%	75%	50%	86%	50%	50%	100%	89%	0%	100%	100%	0%	0%	0%	0%	87%	51%	50%
Operation	1%	3%	0%	15%	5%	0%	17%	4%	0%	0%	0%	0%	0%	11%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	0%	0%	0%	0%	0%	13%	21%	50%	14%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	48%	50%
<b>DOE(12KV) - Customers: 1,349</b>	<b>86.2</b>	<b>1.0</b>	<b>0.0</b>	<b>11.5</b>	<b>0.1</b>	<b>0.0</b>	<b>39.4</b>	<b>1.2</b>	<b>2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>142.9</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>142.9</b>	<b>1.0</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	100%	100%	0%	83%	78%	0%	79%	98%	56%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	17%	22%	0%	1%	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%	21%	1%	44%	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>DOLAN(12KV) - Customers: 181</b>	<b>42.3</b>	<b>1.0</b>	<b>2.0</b>	<b>113.2</b>	<b>2.1</b>	<b>2.0</b>	<b>10.9</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>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	94%	98%	50%	51%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	6%	2%	0%	49%	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%	40%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	50%	0%	0%	0%	60%	50%	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>DRILLER(12KV) - Customers: 1,714</b>	<b>250.3</b>	<b>3.6</b>	<b>1.7</b>	<b>214.8</b>	<b>2.4</b>	<b>1.0</b>	<b>71.9</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>195.0</b>	<b>2.1</b>	<b>0.0</b>	<b>12.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>207.3</b>	<b>2.1</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	79%	96%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	84%	69%	42%	49%	42%	0%	11%	1%	0%	0%	0%	0%	48%	49%	0%	42%	21%	0%	0%	0%	0%	48%	48%	0%
Operation	0%	3%	0%	46%	57%	0%	10%	2%	0%	0%	0%	0%	0%	0%	0%	6%	21%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	0%	5%	2%	100%	0%	0%	0%	0%	0%	0%	50%	49%	0%	0%	0%	0%	0%	0%	0%	47%	47%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	52%	57%	0%	0%	0%	0%	5%	4%	0%
Weather/Fire/Earthquake	16%	28%	58%	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 4

	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>DRUM(12KV) - Customers: 1,108</b>	<b>226.1</b>	<b>0.2</b>	<b>2.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>63.4</b>	<b>1.3</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>28.3</b>	<b>0.5</b>	<b>1.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.6</b>	<b>0.5</b>	<b>3.5</b>
3rd Party	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	100%	0%	0%	0%	100%	100%	44%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	100%	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%
<b>EL PASEO(4.16KV) - Customers: 919</b>	<b>93.7</b>	<b>1.1</b>	<b>0.9</b>	<b>74.2</b>	<b>1.0</b>	<b>2.0</b>	<b>303.4</b>	<b>0.7</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	<b>5.0</b>	<b>0.0</b>	<b>0.0</b>	<b>30.4</b>	<b>1.0</b>	<b>0.0</b>	<b>37.2</b>	<b>1.0</b>	<b>0.0</b>
3rd Party	60%	90%	0%	0%	0%	50%	0%	0%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	40%	10%	100%	10%	2%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	13%	2%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	87%	98%	0%
Other	0%	0%	0%	90%	98%	50%	0%	0%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>ENGINE(12KV) - Customers: 121</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>376.0</b>	<b>1.0</b>	<b>1.0</b>	<b>96.4</b>	<b>1.0</b>	<b>0.0</b>	<b>14.7</b>	<b>0.5</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>14.7</b>	<b>0.5</b>	<b>0.0</b>
3rd Party	0%	0%	0%	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%	100%	100%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
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%
<b>EPSILON(16KV) - Customers: 128</b>	<b>171.1</b>	<b>1.1</b>	<b>0.0</b>	<b>506.5</b>	<b>1.7</b>	<b>2.3</b>	<b>45.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>26.8</b>	<b>0.3</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>412.2</b>	<b>1.2</b>	<b>0.8</b>	<b>439.0</b>	<b>1.5</b>	<b>1.5</b>
3rd Party	0%	0%	0%	4%	60%	29%	100%	100%	100%	0%	0%	0%	100%	100%	100%	0%	0%	0%	70%	86%	0%	72%	89%	44%
Equipment Failure	94%	11%	0%	5%	20%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	13%	100%	28%	10%	56%
Operation	6%	89%	0%	91%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	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%	43%	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 4

	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>FACTORY(12KV) - Customers: 74</b>	<b>152.7</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>169.8</b>	<b>0.2</b>	<b>1.8</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>41.7</b>	<b>0.0</b>	<b>0.0</b>	<b>41.7</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	100%	100%	0%	0%	0%	0%	100%	100%	100%	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%	100%	100%	0%	100%	100%	0%
<b>FANTAIL(16KV) - Customers: 4,468</b>	<b>447.9</b>	<b>3.5</b>	<b>1.4</b>	<b>46.3</b>	<b>0.2</b>	<b>0.0</b>	<b>266.1</b>	<b>1.3</b>	<b>0.0</b>	<b>319.1</b>	<b>1.0</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>156.2</b>	<b>1.9</b>	<b>0.0</b>	<b>133.4</b>	<b>0.2</b>	<b>1.0</b>	<b>608.7</b>	<b>3.1</b>	<b>1.5</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	38%	30%	0%	0%	0%	0%	85%	83%	0%	100%	100%	100%	0%	0%	0%	100%	100%	0%	88%	51%	0%	97%	97%	35%
Operation	3%	28%	0%	100%	100%	0%	15%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	49%	0%	3%	3%	0%
Other	14%	15%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	65%
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	44%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>FASHION(12KV) - Customers: 11</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>	<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	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>FIELDGATE(12KV) - Customers: 2,337</b>	<b>229.6</b>	<b>2.0</b>	<b>2.6</b>	<b>11.0</b>	<b>0.0</b>	<b>2.0</b>	<b>238.6</b>	<b>1.6</b>	<b>0.0</b>	<b>189.1</b>	<b>1.0</b>	<b>0.0</b>	<b>71.9</b>	<b>1.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>131.2</b>	<b>0.7</b>	<b>1.7</b>	<b>392.3</b>	<b>2.7</b>	<b>2.0</b>
3rd Party	29%	54%	0%	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	83%	96%	41%	28%	24%	35%
Equipment Failure	29%	7%	76%	100%	100%	0%	81%	77%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	17%	4%	59%	24%	39%	65%
Operation	42%	39%	24%	0%	0%	0%	18%	21%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
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%	99%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	48%	37%	0%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>FIRMONA(16KV) - Customers: 1,897</b>	<b>93.2</b>	<b>1.1</b>	<b>0.0</b>	<b>12.6</b>	<b>0.1</b>	<b>0.0</b>	<b>54.4</b>	<b>1.1</b>	<b>2.0</b>	<b>85.8</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>100.3</b>	<b>1.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	14%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	91%	93%	0%	84%	84%	0%	47%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	9%	7%	0%	16%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	14%	4%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	39%	88%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	96%	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>FLOAT(12KV) - Customers: 6</b>	<b>686.3</b>	<b>1.0</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4338.3</b>	<b>2.7</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>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	100%	100%	30%	0%	0%	0%	95%	51%	100%	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%	5%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	70%	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>FRIENDS(12KV) - Customers: 1,347</b>	<b>221.0</b>	<b>0.8</b>	<b>3.0</b>	<b>27.7</b>	<b>1.4</b>	<b>0.0</b>	<b>160.8</b>	<b>2.1</b>	<b>1.0</b>	<b>9.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.5</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>12.1</b>	<b>0.0</b>	<b>2.0</b>
3rd Party	1%	0%	67%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	50%
Equipment Failure	95%	96%	33%	30%	26%	0%	27%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	4%	3%	0%	70%	74%	0%	9%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	64%	48%	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>GAMMA(12KV) - Customers: 516</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.0</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>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>51.2</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>51.2</b>	<b>1.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	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 4

	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>GARD(12KV) - Customers: 605</b>	<b>79.9</b>	<b>1.0</b>	<b>0.0</b>	<b>161.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.9</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>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.9</b>	<b>0.1</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	100%	100%	0%	96%	11%	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%	100%	0%	0%	0%	100%	100%	100%
Other	0%	0%	0%	4%	89%	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>GARTEL(12KV) - Customers: 1,100</b>	<b>2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>132.8</b>	<b>1.4</b>	<b>2.1</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>12.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>12.0</b>	<b>0.0</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%	0%	0%	0%	10%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	25%	8%	0%	0%	0%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	90%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Vegetation/Animal	100%	100%	0%	75%	92%	0%	0%	0%	46%	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>GASBAG(16KV) - Customers: 72</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>98.7</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.1</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>0.0</b>	<b>161.5</b>	<b>0.3</b>	<b>0.0</b>	<b>161.5</b>	<b>0.3</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	89%	90%	0%	89%	90%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	10%	0%	11%	10%	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%	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%
<b>GATLIN(12KV) - Customers: 2,213</b>	<b>282.0</b>	<b>4.4</b>	<b>5.8</b>	<b>185.2</b>	<b>2.2</b>	<b>1.8</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>11.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.2</b>	<b>0.1</b>	<b>0.9</b>	<b>13.7</b>	<b>0.1</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	68%	96%	100%	92%	93%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	84%	38%	2%
Operation	32%	4%	0%	8%	7%	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%	100%	100%	100%	16%	62%	98%
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 4

	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>GOBLIN(12KV) - Customers: 17</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>	<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	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>GONDOLA(12KV) - Customers: 810</b>	<b>45.7</b>	<b>0.1</b>	<b>1.2</b>	<b>86.3</b>	<b>0.1</b>	<b>0.0</b>	<b>6.8</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>62.2</b>	<b>0.3</b>	<b>0.0</b>	<b>30.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>92.6</b>	<b>1.3</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	96%	0%	78%	2%	0%	0%	0%	0%	91%	22%	0%
Equipment Failure	47%	21%	0%	99%	70%	0%	88%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	51%	77%	14%	1%	30%	100%	12%	2%	0%	0%	0%	0%	2%	4%	0%	22%	98%	0%	0%	0%	0%	9%	78%	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	2%	1%	86%	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>GRAVEYARD(16KV) - Customers: 1,395</b>	<b>249.4</b>	<b>1.9</b>	<b>2.0</b>	<b>116.7</b>	<b>1.8</b>	<b>2.2</b>	<b>361.3</b>	<b>3.0</b>	<b>1.0</b>	<b>0.6</b>	<b>0.0</b>	<b>1.9</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>2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>2.7</b>	<b>0.0</b>	<b>4.0</b>
3rd Party	0%	1%	0%	5%	4%	0%	7%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	99%	97%	24%	90%	90%	60%	74%	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	76%	51%	0%
Operation	0%	0%	0%	5%	5%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	50%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	0%	2%	76%	0%	0%	0%	18%	33%	100%	100%	100%	50%	0%	0%	50%	0%	0%	0%	0%	0%	0%	24%	49%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>GRAZIDE(12KV) - Customers: 1,084</b>	<b>78.4</b>	<b>0.2</b>	<b>1.0</b>	<b>0.5</b>	<b>0.0</b>	<b>1.0</b>	<b>404.0</b>	<b>3.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>8.0</b>	<b>1.0</b>	<b>0.0</b>	<b>158.0</b>	<b>1.0</b>	<b>0.0</b>	<b>168.2</b>	<b>2.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	18%	33%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	100%	0%	0%	100%	80%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	1%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	6%	51%	0%
Other	0%	0%	0%	0%	0%	0%	3%	33%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	94%	49%	100%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>GREAT WHITE(12KV) - Customers: 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>	<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	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>GUIRADO(4.16KV) - Customers: 434</b>	<b>175.8</b>	<b>2.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>220.4</b>	<b>1.3</b>	<b>0.1</b>	<b>462.5</b>	<b>1.8</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>0.0</b>	<b>462.5</b>	<b>1.8</b>	<b>1.0</b>
3rd Party	86%	96%	100%	0%	0%	0%	47%	75%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	46%	13%	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%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Other	14%	4%	0%	0%	0%	0%	5%	10%	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%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	99%	0%
<b>GUSHER(12KV) - Customers: 1,050</b>	<b>297.7</b>	<b>1.3</b>	<b>0.0</b>	<b>110.5</b>	<b>1.0</b>	<b>0.0</b>	<b>207.1</b>	<b>2.0</b>	<b>1.9</b>	<b>1.7</b>	<b>0.0</b>	<b>0.0</b>	<b>200.8</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>202.5</b>	<b>1.1</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	25%	50%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	94%	94%	0%	96%	98%	0%	75%	50%	47%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	99%	99%	0%
Operation	0%	0%	0%	4%	2%	0%	0%	0%	0%	100%	100%	0%	0%	0%	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%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	6%	6%	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>HACKBERRY(12KV) - Customers: 2,031</b>	<b>26.1</b>	<b>0.3</b>	<b>0.6</b>	<b>58.6</b>	<b>0.4</b>	<b>2.0</b>	<b>21.8</b>	<b>1.1</b>	<b>0.0</b>	<b>1.6</b>	<b>0.0</b>	<b>0.0</b>	<b>10.1</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>40.2</b>	<b>1.0</b>	<b>0.0</b>	<b>51.9</b>	<b>1.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	10%	4%	100%	18%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	77%	96%	0%
Equipment Failure	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	20%	2%	0%
Operation	45%	25%	0%	0%	1%	0%	82%	93%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	12%	59%	67%	70%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	43%	16%	33%	19%	27%	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%	0%	0%	0%	3%	3%	0%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>HAHN(12KV) - Customers: 941</b>	<b>13.6</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>36.5</b>	<b>0.4</b>	<b>0.0</b>	<b>23.7</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20.7</b>	<b>1.0</b>	<b>0.0</b>	<b>580.3</b>	<b>2.2</b>	<b>0.1</b>	<b>624.7</b>	<b>3.3</b>	<b>0.1</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%	100%	100%	0%	90%	62%	100%	87%	72%	100%
Operation	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	10%	38%	0%	13%	28%	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>HANDCAR(12KV) - Customers: 1,179</b>	<b>8.6</b>	<b>0.0</b>	<b>0.0</b>	<b>198.6</b>	<b>1.2</b>	<b>1.0</b>	<b>34.4</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>83.6</b>	<b>0.1</b>	<b>0.0</b>	<b>87.3</b>	<b>0.1</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%	94%	94%	100%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	100%	100%	0%	6%	6%	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%
<b>HEREFORD(12KV) - Customers: 2,350</b>	<b>105.6</b>	<b>1.1</b>	<b>0.0</b>	<b>41.1</b>	<b>0.1</b>	<b>1.0</b>	<b>221.1</b>	<b>1.1</b>	<b>3.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>
3rd Party	6%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	94%	93%	0%	99%	86%	0%	18%	5%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	81%	67%	0%
Operation	0%	0%	0%	1%	14%	0%	82%	95%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	33%	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%	67%	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%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>HI LINE(12KV) - Customers: 101</b>	<b>66.2</b>	<b>0.3</b>	<b>1.9</b>	<b>108.9</b>	<b>1.6</b>	<b>0.0</b>	<b>2.9</b>	<b>0.3</b>	<b>0.9</b>	<b>17.2</b>	<b>0.1</b>	<b>0.9</b>	<b>28.4</b>	<b>1.0</b>	<b>0.0</b>	<b>6.8</b>	<b>1.0</b>	<b>0.0</b>	<b>1.7</b>	<b>0.1</b>	<b>0.0</b>	<b>54.2</b>	<b>2.2</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%	1%	10%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	52%	46%	0%
Operation	96%	64%	100%	0%	0%	0%	72%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	3%	4%	0%
Other	4%	36%	0%	25%	63%	0%	28%	25%	100%	100%	100%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	44%	50%	100%
Vegetation/Animal	0%	0%	0%	73%	27%	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 4

	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>HOBO(12KV) - Customers: 139</b>	<b>101.5</b>	<b>2.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>267.2</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>59.7</b>	<b>0.3</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>59.7</b>	<b>0.3</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	100%
Equipment Failure	49%	25%	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	51%	75%	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>HOLBROOK(4.16KV) - Customers: 607</b>	<b>74.2</b>	<b>1.0</b>	<b>1.0</b>	<b>140.9</b>	<b>0.6</b>	<b>0.0</b>	<b>464.9</b>	<b>1.0</b>	<b>3.0</b>	<b>32.7</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>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>32.7</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	100%	100%	100%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	91%	80%	0%	100%	98%	0%	66%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	66%	47%	0%
Operation	0%	0%	0%	9%	20%	0%	0%	2%	67%	34%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	53%	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>IDAHO(12KV) - Customers: 2,495</b>	<b>13.3</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>26.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.9</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>0.0</b>	<b>27.0</b>	<b>0.3</b>	<b>1.6</b>	<b>27.9</b>	<b>0.3</b>	<b>2.6</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	81%	93%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%	6%	7%	0%
Equipment Failure	100%	100%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	91%	95%	39%	88%	91%	24%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	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%	100%	0%	0%	0%	0%	0%	0%	6%	2%	61%	6%	2%	76%
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>INTERIOR(12KV) - Customers: 1,091</b>	<b>125.5</b>	<b>3.4</b>	<b>3.9</b>	<b>139.9</b>	<b>6.0</b>	<b>3.0</b>	<b>33.4</b>	<b>3.0</b>	<b>3.5</b>	<b>32.2</b>	<b>1.6</b>	<b>1.5</b>	<b>50.3</b>	<b>2.1</b>	<b>2.9</b>	<b>11.0</b>	<b>1.0</b>	<b>0.0</b>	<b>0.9</b>	<b>0.1</b>	<b>1.9</b>	<b>94.3</b>	<b>4.8</b>	<b>6.2</b>
3rd Party	76%	38%	38%	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%	11%	9%	17%	50%	0%	0%	0%	0%	0%	0%	83%	47%	35%	0%	0%	0%	0%	0%	0%	44%	21%	16%
Operation	11%	32%	51%	58%	51%	50%	89%	86%	100%	52%	67%	67%	17%	53%	65%	0%	0%	0%	100%	100%	100%	28%	47%	76%
Other	14%	30%	0%	31%	25%	0%	11%	14%	0%	48%	33%	33%	0%	0%	0%	100%	100%	0%	0%	0%	0%	28%	32%	8%
Vegetation/Animal	0%	0%	0%	2%	7%	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 4

	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>JAY(4.16KV) - Customers: 672</b>	<b>10.1</b>	<b>0.0</b>	<b>1.0</b>	<b>260.2</b>	<b>1.3</b>	<b>1.0</b>	<b>19.4</b>	<b>0.4</b>	<b>0.0</b>	<b>234.3</b>	<b>2.0</b>	<b>1.0</b>	<b>117.4</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>0.0</b>	<b>351.7</b>	<b>3.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	100%	100%	100%	0%	45%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	30%	33%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	55%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	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	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	33%	33%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>JEPSON(12KV) - Customers: 473</b>	<b>9.9</b>	<b>0.0</b>	<b>3.0</b>	<b>119.1</b>	<b>2.0</b>	<b>2.0</b>	<b>3.6</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>0.0</b>	<b>0.0</b>	<b>26.8</b>	<b>1.0</b>	<b>0.0</b>	<b>26.8</b>	<b>1.0</b>	<b>0.0</b>
3rd Party	78%	40%	67%	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%	39%	49%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	22%	60%	33%	61%	51%	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%
<b>KEEL(12KV) - Customers: 21</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>209.0</b>	<b>1.0</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>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%	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%	100%	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%
<b>KEITH(4.16KV) - Customers: 583</b>	<b>74.2</b>	<b>1.0</b>	<b>2.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.1</b>	<b>62.1</b>	<b>0.5</b>	<b>1.0</b>	<b>66.5</b>	<b>0.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>164.8</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>231.2</b>	<b>2.4</b>	<b>1.0</b>
3rd Party	100%	100%	100%	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%	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%	100%	100%	100%	25%	15%	0%	17%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	2%	0%
Other	0%	0%	0%	0%	0%	0%	75%	85%	0%	83%	92%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	95%	98%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	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 4

	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>KILKENNY(12KV) - Customers: 2,357</b>	<b>412.7</b>	<b>2.5</b>	<b>3.1</b>	<b>325.4</b>	<b>2.5</b>	<b>5.3</b>	<b>140.3</b>	<b>1.5</b>	<b>0.5</b>	<b>9.9</b>	<b>0.0</b>	<b>0.0</b>	<b>179.2</b>	<b>0.8</b>	<b>1.5</b>	<b>70.5</b>	<b>0.1</b>	<b>0.9</b>	<b>4.5</b>	<b>0.1</b>	<b>0.0</b>	<b>264.1</b>	<b>1.1</b>	<b>2.5</b>
3rd Party	0%	0%	0%	2%	3%	0%	60%	33%	100%	0%	0%	0%	0%	0%	0%	67%	61%	100%	0%	0%	0%	18%	7%	38%
Equipment Failure	88%	90%	67%	94%	94%	100%	15%	5%	0%	59%	58%	0%	0%	0%	0%	32%	20%	0%	45%	22%	0%	11%	6%	0%
Operation	10%	10%	0%	0%	1%	0%	3%	2%	0%	41%	42%	0%	61%	56%	100%	1%	19%	0%	55%	78%	0%	44%	53%	62%
Other	0%	0%	0%	0%	0%	0%	23%	60%	0%	0%	0%	0%	39%	44%	0%	0%	0%	0%	0%	0%	0%	27%	35%	0%
Vegetation/Animal	0%	0%	33%	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%	0%	0%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>KILROY(12KV) - Customers: 2,895</b>	<b>353.9</b>	<b>2.0</b>	<b>1.0</b>	<b>35.0</b>	<b>0.3</b>	<b>1.7</b>	<b>79.7</b>	<b>1.0</b>	<b>2.0</b>	<b>42.9</b>	<b>0.1</b>	<b>1.0</b>	<b>1.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>138.3</b>	<b>2.1</b>	<b>3.7</b>	<b>182.8</b>	<b>2.2</b>	<b>4.6</b>
3rd Party	0%	0%	0%	100%	100%	40%	69%	94%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	28%	0%	1%	22%
Equipment Failure	100%	100%	0%	0%	0%	0%	27%	3%	0%	91%	99%	0%	0%	0%	0%	100%	100%	0%	44%	51%	0%	55%	53%	0%
Operation	0%	0%	0%	0%	0%	0%	4%	3%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Other	0%	0%	0%	0%	0%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	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%	9%	1%	100%	0%	0%	0%	0%	0%	0%	55%	49%	72%	44%	46%	78%
<b>KWIS(12KV) - Customers: 2,212</b>	<b>72.0</b>	<b>0.5</b>	<b>1.2</b>	<b>34.1</b>	<b>0.4</b>	<b>0.0</b>	<b>289.8</b>	<b>2.1</b>	<b>0.9</b>	<b>14.0</b>	<b>0.1</b>	<b>1.0</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>124.5</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>139.9</b>	<b>1.1</b>	<b>1.0</b>
3rd Party	10%	62%	86%	11%	10%	0%	28%	47%	91%	53%	12%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	1%	100%
Equipment Failure	88%	36%	14%	52%	8%	0%	71%	48%	9%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	89%	93%	0%
Operation	2%	2%	0%	37%	82%	0%	1%	4%	0%	47%	88%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	6%	6%	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>LAIRD(12KV) - Customers: 2,667</b>	<b>71.4</b>	<b>1.7</b>	<b>0.0</b>	<b>219.8</b>	<b>1.5</b>	<b>3.4</b>	<b>160.4</b>	<b>0.5</b>	<b>0.0</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>22.4</b>	<b>0.0</b>	<b>1.0</b>	<b>65.4</b>	<b>0.9</b>	<b>1.0</b>	<b>88.5</b>	<b>1.0</b>	<b>2.0</b>
3rd Party	10%	2%	0%	14%	24%	20%	95%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	0%	47%
Equipment Failure	80%	97%	0%	83%	72%	50%	1%	1%	0%	100%	100%	0%	0%	0%	0%	100%	88%	0%	100%	100%	10%	100%	100%	5%
Operation	10%	1%	0%	2%	3%	0%	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	12%	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%	1%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	48%
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 4

	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>LEFFINGWELL(12KV) - Customers: 2,507</b>	<b>26.0</b>	<b>0.1</b>	<b>1.0</b>	<b>21.8</b>	<b>0.1</b>	<b>2.0</b>	<b>15.5</b>	<b>0.0</b>	<b>3.0</b>	<b>54.0</b>	<b>0.0</b>	<b>0.0</b>	<b>33.2</b>	<b>1.0</b>	<b>0.9</b>	<b>10.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>2.0</b>	<b>97.5</b>	<b>1.1</b>	<b>2.9</b>
3rd Party	2%	2%	0%	67%	76%	0%	0%	0%	0%	0%	0%	0%	89%	100%	100%	100%	100%	0%	0%	0%	50%	40%	96%	66%
Equipment Failure	52%	59%	0%	30%	16%	50%	0%	0%	0%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%
Operation	30%	29%	0%	4%	8%	50%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	67%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	3%	0%
Vegetation/Animal	16%	10%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	50%	0%	0%	34%
<b>LOCOMOTIVE(12KV) - Customers: 1,497</b>	<b>121.8</b>	<b>0.2</b>	<b>0.6</b>	<b>25.0</b>	<b>0.1</b>	<b>0.5</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>48.6</b>	<b>0.6</b>	<b>0.9</b>	<b>157.8</b>	<b>2.4</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>206.4</b>	<b>3.0</b>	<b>2.9</b>
3rd Party	15%	33%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	76%	79%	34%
Equipment Failure	85%	67%	0%	82%	22%	0%	38%	60%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	24%	21%	31%
Operation	0%	0%	0%	3%	4%	0%	62%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	1%	49%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%
Vegetation/Animal	0%	0%	0%	13%	24%	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>LOFTUS(12KV) - Customers: 970</b>	<b>168.0</b>	<b>2.1</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>15.7</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>1.0</b>	<b>15.7</b>	<b>0.1</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	99%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	1%	4%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	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>MALLET(12KV) - Customers: 2,748</b>	<b>65.6</b>	<b>1.1</b>	<b>1.4</b>	<b>43.9</b>	<b>0.8</b>	<b>0.4</b>	<b>44.6</b>	<b>0.3</b>	<b>0.0</b>	<b>14.6</b>	<b>0.0</b>	<b>1.0</b>	<b>1.8</b>	<b>0.0</b>	<b>0.0</b>	<b>30.2</b>	<b>0.1</b>	<b>0.0</b>	<b>10.6</b>	<b>0.1</b>	<b>0.0</b>	<b>57.2</b>	<b>0.2</b>	<b>1.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	94%	91%	100%	80%	10%	0%	62%	58%	0%	0%	0%	0%	100%	100%	0%	25%	13%	0%	100%	100%	0%	35%	38%	0%
Operation	6%	9%	0%	0%	0%	0%	6%	7%	0%	100%	100%	0%	0%	0%	0%	75%	87%	100%	0%	0%	0%	65%	62%	1%
Other	0%	0%	0%	20%	90%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	30%	32%	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 4

	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>MAST(12KV) - Customers: 22</b>	<b>325.7</b>	<b>1.2</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>159.8</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>	<b>0.0</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	80%	81%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	20%	19%	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%
<b>MILL(12KV) - Customers: 141</b>	<b>0.7</b>	<b>0.0</b>	<b>0.0</b>	<b>38.9</b>	<b>1.0</b>	<b>0.6</b>	<b>2.3</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>25.8</b>	<b>0.4</b>	<b>0.0</b>	<b>218.4</b>	<b>1.6</b>	<b>1.0</b>	<b>244.2</b>	<b>2.0</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%	100%	0%	0%	100%
Equipment Failure	100%	100%	0%	11%	1%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	89%	81%	0%
Operation	0%	0%	0%	89%	99%	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%	100%	100%	0%	0%	0%	0%	11%	19%	0%
<b>MILLERGROVE(12KV) - Customers: 2,433</b>	<b>10.8</b>	<b>0.0</b>	<b>4.0</b>	<b>39.5</b>	<b>1.2</b>	<b>2.0</b>	<b>18.6</b>	<b>1.0</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>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>1.0</b>	<b>28.0</b>	<b>0.1</b>	<b>1.9</b>	<b>28.3</b>	<b>0.1</b>	<b>2.9</b>
3rd Party	0%	0%	50%	8%	0%	50%	37%	98%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	1%	5%	34%
Equipment Failure	0%	0%	0%	40%	9%	50%	57%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	89%	49%	100%	88%	46%	66%
Operation	100%	100%	0%	25%	81%	0%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	51%	0%	11%	48%	0%
Other	0%	0%	50%	27%	9%	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>MOLE(12KV) - Customers: 4</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>	<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	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 4

	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>MULLIGAN(12KV) - Customers: 430</b>	<b>163.5</b>	<b>1.0</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>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>34.7</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>34.7</b>	<b>0.3</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	100%	100%	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%	100%	100%	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%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>MYSTIC(12KV) - Customers: 284</b>	<b>31.2</b>	<b>0.1</b>	<b>1.4</b>	<b>287.5</b>	<b>1.4</b>	<b>1.7</b>	<b>204.4</b>	<b>1.0</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>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>3.4</b>	<b>0.0</b>	<b>1.0</b>
3rd Party	0%	0%	0%	100%	100%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Equipment Failure	39%	17%	0%	0%	0%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	61%	83%	26%	0%	0%	0%	2%	5%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	74%	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%	98%	95%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>OCCIDENTAL(16KV) - Customers: 702</b>	<b>160.6</b>	<b>2.0</b>	<b>0.9</b>	<b>55.1</b>	<b>0.1</b>	<b>1.0</b>	<b>677.2</b>	<b>2.0</b>	<b>4.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.5</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>6.5</b>	<b>0.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	100%	100%	100%	61%	50%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	99%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	33%	0%	0%	0%	0%	0%	0%	0%	76%	33%	0%
Operation	1%	0%	0%	0%	0%	0%	5%	17%	0%	0%	0%	0%	24%	67%	0%	0%	0%	0%	0%	0%	0%	24%	67%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	35%	33%	61%	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>OLDS(12KV) - Customers: 1,648</b>	<b>81.5</b>	<b>0.1</b>	<b>0.0</b>	<b>16.7</b>	<b>0.0</b>	<b>0.0</b>	<b>30.1</b>	<b>0.2</b>	<b>0.0</b>	<b>94.3</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>44.8</b>	<b>0.9</b>	<b>0.0</b>	<b>139.1</b>	<b>1.1</b>	<b>0.0</b>
3rd Party	40%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	60%	58%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	32%	83%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	68%	17%	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 4

	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>O'MALLEY(12KV) - Customers: 1,930</b>	<b>197.9</b>	<b>1.1</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.4</b>	<b>0.2</b>	<b>0.8</b>	<b>3.3</b>	<b>0.0</b>	<b>0.0</b>	<b>3.9</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14.2</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	27%	45%	0%
Equipment Failure	93%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	49%	15%	0%
Operation	7%	1%	0%	0%	0%	0%	0%	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	40%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>OMEGA(12KV) - Customers: 1,743</b>	<b>1.0</b>	<b>0.0</b>	<b>0.2</b>	<b>75.0</b>	<b>0.4</b>	<b>0.1</b>	<b>20.6</b>	<b>0.1</b>	<b>0.1</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>4.1</b>	<b>0.0</b>	<b>0.1</b>	<b>16.2</b>	<b>0.1</b>	<b>0.0</b>	<b>22.3</b>	<b>0.2</b>	<b>0.1</b>
3rd Party	0%	0%	0%	71%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	45%	16%	0%	0%	0%	0%	29%	8%	0%	0%	0%	0%	0%	0%	0%	55%	10%	0%	0%	0%	0%	10%	1%	0%
Operation	23%	74%	0%	14%	14%	0%	61%	85%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	5%	0%
Other	0%	0%	0%	14%	11%	0%	4%	2%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	32%	11%	73%	0%	0%	0%	6%	5%	0%	0%	0%	0%	0%	0%	0%	45%	90%	0%	0%	0%	0%	8%	10%	0%
Weather/Fire/Earthquake	0%	0%	27%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	73%	84%	100%
<b>ORCHARDALE(12KV) - Customers: 1,122</b>	<b>61.4</b>	<b>1.2</b>	<b>0.0</b>	<b>69.5</b>	<b>1.0</b>	<b>1.0</b>	<b>15.3</b>	<b>0.1</b>	<b>1.0</b>	<b>25.1</b>	<b>0.2</b>	<b>0.0</b>	<b>7.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>2.0</b>	<b>33.6</b>	<b>0.2</b>	<b>2.0</b>
3rd Party	11%	7%	0%	90%	98%	4%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	75%	89%	0%
Equipment Failure	89%	93%	0%	0%	0%	0%	4%	3%	100%	0%	0%	0%	98%	46%	0%	0%	0%	0%	18%	25%	0%	23%	5%	0%
Operation	0%	0%	0%	1%	2%	0%	96%	97%	0%	0%	0%	0%	2%	54%	0%	0%	0%	0%	82%	75%	0%	3%	7%	0%
Other	0%	0%	0%	0%	0%	96%	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%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>O'TOOLE(12KV) - Customers: 2,357</b>	<b>403.6</b>	<b>3.0</b>	<b>6.2</b>	<b>6.1</b>	<b>0.0</b>	<b>1.0</b>	<b>15.1</b>	<b>0.1</b>	<b>1.1</b>	<b>69.4</b>	<b>0.0</b>	<b>0.0</b>	<b>15.2</b>	<b>0.1</b>	<b>1.0</b>	<b>63.1</b>	<b>0.1</b>	<b>1.0</b>	<b>150.2</b>	<b>1.0</b>	<b>2.1</b>	<b>297.9</b>	<b>1.2</b>	<b>4.1</b>
3rd Party	25%	29%	2%	0%	0%	0%	56%	71%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	67%	68%	16%	0%	0%	0%	0%	0%	0%	100%	100%	0%	52%	13%	0%	85%	50%	0%	85%	96%	53%	87%	89%	27%
Operation	8%	3%	0%	100%	100%	0%	44%	29%	0%	0%	0%	0%	0%	0%	0%	15%	50%	0%	2%	1%	0%	4%	5%	0%
Other	0%	0%	65%	0%	0%	100%	0%	0%	0%	0%	0%	0%	48%	87%	100%	0%	0%	0%	0%	0%	47%	2%	4%	49%
Vegetation/Animal	0%	0%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	24%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	3%	0%	7%	2%	0%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>PAINTER(12KV) - Customers: 2,917</b>	<b>104.4</b>	<b>1.1</b>	<b>0.8</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>18.7</b>	<b>0.3</b>	<b>1.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.9</b>	<b>0.0</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>3.2</b>	<b>0.0</b>	<b>1.1</b>
3rd Party	27%	9%	0%	0%	0%	0%	85%	96%	41%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	73%	89%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	84%	53%	0%	0%	0%	0%	0%	0%	0%	79%	34%	0%
Operation	1%	1%	0%	100%	100%	0%	8%	1%	0%	0%	0%	0%	16%	47%	0%	0%	0%	0%	100%	100%	0%	21%	66%	0%
Other	0%	0%	100%	0%	0%	0%	7%	2%	59%	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>PETE(12KV) - Customers: 2,284</b>	<b>9.8</b>	<b>0.1</b>	<b>2.0</b>	<b>80.1</b>	<b>1.2</b>	<b>0.0</b>	<b>468.2</b>	<b>2.5</b>	<b>0.1</b>	<b>187.8</b>	<b>0.4</b>	<b>1.0</b>	<b>6.3</b>	<b>0.1</b>	<b>0.0</b>	<b>109.1</b>	<b>0.9</b>	<b>1.0</b>	<b>85.5</b>	<b>0.4</b>	<b>0.0</b>	<b>388.7</b>	<b>1.7</b>	<b>2.0</b>
3rd Party	0%	0%	50%	0%	0%	0%	52%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	50%
Equipment Failure	0%	0%	0%	4%	1%	0%	41%	41%	100%	18%	55%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	37%	64%	0%
Operation	0%	0%	0%	14%	83%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	2%	3%	0%
Other	90%	92%	50%	52%	14%	0%	7%	10%	0%	82%	45%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	40%	12%	0%
Vegetation/Animal	10%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	0%	1%	0%
Weather/Fire/Earthquake	0%	0%	0%	31%	3%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	96%	95%	0%	21%	20%	50%
<b>POSEIDON(12KV) - Customers: 164</b>	<b>31.5</b>	<b>1.0</b>	<b>1.0</b>	<b>138.6</b>	<b>0.4</b>	<b>1.2</b>	<b>447.2</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>167.4</b>	<b>2.9</b>	<b>1.9</b>	<b>167.4</b>	<b>2.9</b>	<b>1.9</b>
3rd Party	54%	98%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	33%	50%	12%	33%	50%
Equipment Failure	46%	2%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	82%	35%	0%	82%	35%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	33%	0%	6%	33%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>PRUNE(12KV) - Customers: 1,948</b>	<b>0.5</b>	<b>0.0</b>	<b>0.0</b>	<b>6.4</b>	<b>0.0</b>	<b>0.0</b>	<b>178.0</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>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%	72%	69%	0%	13%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	28%	31%	0%	83%	84%	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%	3%	8%	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 4

	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>ROCKHILL(12KV) - Customers: 1,617</b>	<b>225.4</b>	<b>2.6</b>	<b>4.2</b>	<b>21.0</b>	<b>0.5</b>	<b>2.4</b>	<b>466.6</b>	<b>1.8</b>	<b>0.9</b>	<b>3.6</b>	<b>0.0</b>	<b>0.3</b>	<b>2.2</b>	<b>0.0</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.6</b>	<b>113.1</b>	<b>1.1</b>	<b>0.0</b>	<b>119.1</b>	<b>1.2</b>	<b>1.0</b>
3rd Party	23%	38%	24%	43%	9%	0%	0%	0%	0%	0%	0%	0%	41%	15%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Equipment Failure	76%	61%	70%	32%	1%	0%	100%	99%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	1%	0%	7%	1%	0%
Operation	0%	0%	0%	24%	88%	0%	0%	0%	0%	65%	52%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	2%	2%	56%
Other	0%	0%	6%	0%	0%	53%	0%	0%	62%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	1%	1%	0%	1%	1%	47%	0%	1%	26%	35%	48%	100%	59%	85%	100%	0%	0%	0%	1%	1%	0%	3%	3%	44%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	98%	0%	88%	95%	0%
<b>SANDMAN(16KV) - Customers: 1,288</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>	<b>6.3</b>	<b>0.3</b>	<b>0.0</b>	<b>4.9</b>	<b>0.5</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>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>
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%	100%	100%	100%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	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>SEA PONY(12KV) - Customers: 4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>20.0</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>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	0%	0%	0%	100%	100%	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>SEAHORSE(16KV) - Customers: 291</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>92.3</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>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%	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 Los Angeles District 4

	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>SHADE(12KV) - Customers: 1,218</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>58.5</b>	<b>2.0</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>0.0</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>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	100%	100%	0%	54%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	46%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	50%
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>SHOPPER(12KV) - Customers: 1,949</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>27.5</b>	<b>0.5</b>	<b>0.5</b>	<b>246.3</b>	<b>3.1</b>	<b>0.4</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>27.3</b>	<b>0.3</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>28.4</b>	<b>0.3</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	81%	97%	0%	0%	0%	0%	0%	0%	0%	78%	93%	0%
Equipment Failure	0%	0%	100%	100%	100%	100%	83%	96%	86%	0%	0%	0%	8%	1%	0%	100%	100%	0%	0%	0%	0%	11%	4%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	0%	0%	0%	0%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	14%	2%	14%	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%	11%	2%	0%	0%	0%	0%	0%	0%	0%	10%	2%	0%
<b>SIGMA(16KV) - Customers: 113</b>	<b>183.9</b>	<b>2.0</b>	<b>1.4</b>	<b>206.2</b>	<b>1.1</b>	<b>2.4</b>	<b>426.7</b>	<b>1.1</b>	<b>0.0</b>	<b>2.9</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>0.0</b>	<b>2.9</b>	<b>0.2</b>	<b>0.0</b>
3rd Party	64%	27%	32%	18%	50%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	25%	71%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	80%	49%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	2%	1%	41%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	11%	2%	68%	0%	0%	41%	98%	98%	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>SILICONE(16KV) - Customers: 2,247</b>	<b>107.9</b>	<b>1.2</b>	<b>3.3</b>	<b>61.0</b>	<b>0.7</b>	<b>2.3</b>	<b>75.2</b>	<b>0.2</b>	<b>1.0</b>	<b>26.2</b>	<b>1.1</b>	<b>1.1</b>	<b>87.3</b>	<b>0.2</b>	<b>0.0</b>	<b>54.4</b>	<b>0.9</b>	<b>0.0</b>	<b>346.3</b>	<b>2.1</b>	<b>0.8</b>	<b>514.2</b>	<b>4.3</b>	<b>1.9</b>
3rd Party	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	98%	90%	40%	37%	20%	38%	62%	46%	0%	60%	97%	100%	100%	100%	0%	100%	100%	0%	39%	10%	0%	57%	54%	57%
Operation	2%	10%	0%	63%	80%	24%	33%	49%	0%	35%	3%	0%	0%	0%	0%	0%	0%	0%	1%	4%	0%	3%	3%	0%
Other	0%	0%	30%	0%	0%	0%	4%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	86%	100%	40%	43%	43%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	1%	1%	100%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	38%	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 4

	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>SPLENDORA(12KV) - Customers: 2,495</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>143.2</b>	<b>1.1</b>	<b>0.0</b>	<b>3.2</b>	<b>0.0</b>	<b>0.0</b>	<b>5.4</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>1.2</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>7.7</b>	<b>0.0</b>	<b>2.3</b>
3rd Party	0%	0%	0%	0%	0%	0%	83%	91%	0%	100%	100%	0%	94%	67%	100%	0%	0%	0%	0%	0%	0%	83%	74%	43%
Equipment Failure	0%	0%	0%	50%	94%	0%	7%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	16%	23%	13%
Operation	0%	0%	0%	50%	6%	100%	10%	8%	0%	0%	0%	0%	6%	33%	0%	0%	0%	0%	0%	0%	0%	1%	3%	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%	44%
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>SQUALL(12KV) - Customers: 1,685</b>	<b>275.3</b>	<b>2.4</b>	<b>2.2</b>	<b>3.6</b>	<b>0.0</b>	<b>0.0</b>	<b>94.5</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>11.2</b>	<b>0.0</b>	<b>2.0</b>	<b>5.0</b>	<b>0.1</b>	<b>0.0</b>	<b>16.3</b>	<b>0.1</b>	<b>3.0</b>
3rd Party	21%	17%	27%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	51%	0%	0%	0%	0%	0%	34%
Equipment Failure	24%	24%	0%	0%	0%	0%	96%	87%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Operation	0%	0%	46%	0%	0%	0%	4%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	31%	58%	0%
Other	35%	17%	27%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Vegetation/Animal	20%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	49%	0%	0%	0%	69%	42%	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%
<b>STARBUCK(12KV) - Customers: 375</b>	<b>17.6</b>	<b>0.2</b>	<b>0.0</b>	<b>79.6</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>
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%	96%	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	4%	13%	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%
<b>STATLER(16KV) - Customers: 1,674</b>	<b>60.1</b>	<b>1.0</b>	<b>0.2</b>	<b>176.4</b>	<b>1.3</b>	<b>4.1</b>	<b>627.6</b>	<b>2.2</b>	<b>0.5</b>	<b>616.7</b>	<b>1.4</b>	<b>0.8</b>	<b>2.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.7</b>	<b>0.0</b>	<b>1.1</b>	<b>620.9</b>	<b>1.5</b>	<b>1.9</b>
3rd Party	0%	0%	0%	59%	84%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	98%	99%	0%	39%	12%	0%	2%	7%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Operation	2%	1%	0%	1%	4%	0%	1%	1%	91%	32%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	32%	36%	0%
Other	0%	0%	50%	0%	0%	30%	0%	0%	0%	0%	0%	57%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	1%	24%
Vegetation/Animal	0%	0%	50%	0%	0%	47%	16%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	58%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	81%	44%	9%	68%	64%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	63%	18%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>STELLA(12KV) - Customers: 2,678</b>	<b>38.9</b>	<b>0.2</b>	<b>0.0</b>	<b>59.2</b>	<b>1.1</b>	<b>0.0</b>	<b>203.7</b>	<b>3.1</b>	<b>2.0</b>	<b>81.7</b>	<b>1.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>29.5</b>	<b>0.0</b>	<b>0.0</b>	<b>174.7</b>	<b>1.0</b>	<b>1.0</b>	<b>285.8</b>	<b>2.1</b>	<b>1.0</b>
3rd Party	0%	0%	0%	23%	8%	0%	4%	32%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Equipment Failure	97%	97%	0%	0%	0%	0%	74%	32%	50%	20%	3%	0%	0%	0%	0%	93%	53%	0%	100%	100%	0%	77%	51%	0%
Operation	3%	3%	0%	3%	1%	0%	9%	3%	0%	80%	97%	0%	0%	0%	0%	7%	47%	0%	0%	0%	0%	23%	49%	0%
Other	0%	0%	0%	0%	0%	0%	13%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	74%	91%	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>STORM(12KV) - Customers: 3,227</b>	<b>175.1</b>	<b>1.7</b>	<b>2.2</b>	<b>91.4</b>	<b>1.1</b>	<b>0.0</b>	<b>213.9</b>	<b>1.8</b>	<b>2.3</b>	<b>133.5</b>	<b>0.7</b>	<b>0.3</b>	<b>81.5</b>	<b>1.2</b>	<b>0.9</b>	<b>83.5</b>	<b>1.0</b>	<b>1.0</b>	<b>7.7</b>	<b>0.0</b>	<b>0.0</b>	<b>306.3</b>	<b>3.0</b>	<b>2.1</b>
3rd Party	39%	42%	11%	0%	0%	0%	0%	1%	44%	0%	0%	0%	0%	0%	0%	99%	100%	100%	0%	0%	0%	27%	34%	47%
Equipment Failure	3%	1%	0%	92%	97%	100%	67%	43%	11%	0%	0%	0%	99%	100%	100%	0%	0%	0%	0%	0%	0%	26%	40%	41%
Operation	0%	0%	45%	8%	3%	0%	32%	57%	0%	0%	0%	0%	1%	0%	0%	1%	0%	0%	100%	100%	0%	3%	1%	0%
Other	58%	56%	44%	0%	0%	0%	1%	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%	44%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	25%	12%
<b>SUBWAY(12KV) - Customers: 31</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>179.9</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.8</b>	<b>0.0</b>	<b>0.0</b>	<b>18.2</b>	<b>0.3</b>	<b>0.0</b>	<b>58.9</b>	<b>0.7</b>	<b>0.0</b>	<b>77.9</b>	<b>1.0</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%	99%	96%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	99%	96%	0%
Operation	0%	0%	0%	0%	0%	0%	1%	4%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	4%	0%
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%
<b>SUZY(12KV) - Customers: 236</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>133.0</b>	<b>0.4</b>	<b>0.0</b>	<b>113.3</b>	<b>0.2</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>5.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.7</b>	<b>0.0</b>	<b>0.0</b>
3rd Party	0%	0%	0%	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%	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%	100%	100%	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%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	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 4

	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>TERRADELL(12KV) - Customers: 2,215</b>	<b>4.6</b>	<b>0.1</b>	<b>0.0</b>	<b>208.4</b>	<b>1.0</b>	<b>2.1</b>	<b>48.5</b>	<b>0.7</b>	<b>1.3</b>	<b>0.3</b>	<b>0.0</b>	<b>1.0</b>	<b>6.1</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>6.3</b>	<b>1.0</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	84%	95%	0%	0%	0%	0%	0%	0%	0%	78%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	60%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	96%	100%	0%
Other	0%	0%	0%	0%	0%	96%	72%	94%	28%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	100%	100%	4%	28%	6%	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	16%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>TIPPERARY(12KV) - Customers: 2,162</b>	<b>157.5</b>	<b>1.0</b>	<b>0.0</b>	<b>79.6</b>	<b>0.2</b>	<b>0.0</b>	<b>30.2</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>43.5</b>	<b>0.1</b>	<b>1.4</b>	<b>52.3</b>	<b>0.1</b>	<b>1.4</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%	0%	100%	100%	0%	97%	86%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	17%	11%	0%
Operation	0%	0%	0%	0%	0%	0%	3%	14%	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%	100%	100%	100%	83%	89%	100%
<b>TRAIN(12KV) - Customers: 1,754</b>	<b>319.0</b>	<b>1.7</b>	<b>2.5</b>	<b>188.6</b>	<b>1.2</b>	<b>4.6</b>	<b>301.2</b>	<b>2.7</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>1.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.9</b>	<b>13.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>13.2</b>	<b>0.0</b>	<b>2.1</b>
3rd Party	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	82%	50%	0%	21%	7%	0%	97%	97%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	18%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	67%	0%	0%	40%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	18%	50%	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%	79%	93%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>TRESTLE(12KV) - Customers: 2,604</b>	<b>71.0</b>	<b>1.0</b>	<b>0.0</b>	<b>11.8</b>	<b>0.0</b>	<b>1.0</b>	<b>16.8</b>	<b>0.3</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>2.1</b>	<b>0.0</b>	<b>0.0</b>	<b>52.8</b>	<b>0.3</b>	<b>0.0</b>	<b>54.9</b>	<b>0.3</b>	<b>0.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	8%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	88%	97%	0%	98%	96%	0%	39%	4%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	97%	97%	0%	97%	96%	0%
Operation	7%	1%	0%	0%	0%	0%	53%	92%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Other	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%	3%	3%	0%
Vegetation/Animal	0%	0%	0%	2%	4%	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%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>TURNBULL(12KV) - Customers: 1,405</b>	<b>246.1</b>	<b>1.2</b>	<b>1.9</b>	<b>3.8</b>	<b>0.0</b>	<b>0.0</b>	<b>158.1</b>	<b>2.4</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>70.4</b>	<b>0.2</b>	<b>0.7</b>	<b>8.0</b>	<b>0.0</b>	<b>0.0</b>	<b>93.6</b>	<b>0.4</b>	<b>1.1</b>	<b>172.0</b>	<b>0.7</b>	<b>1.8</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	100%	1%	2%	63%
Equipment Failure	1%	1%	51%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	97%	100%	0%	0%	0%	2%	2%	0%	42%	35%	37%
Operation	6%	16%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	100%	100%	0%	96%	96%	0%	57%	63%	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	93%	83%	49%	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>TWISTER(12KV) - Customers: 1,739</b>	<b>158.8</b>	<b>3.2</b>	<b>2.0</b>	<b>43.7</b>	<b>1.0</b>	<b>0.0</b>	<b>222.4</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.2</b>	<b>0.0</b>	<b>1.0</b>	<b>15.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.5</b>	<b>0.0</b>	<b>1.0</b>	<b>18.8</b>	<b>0.1</b>	<b>2.0</b>
3rd Party	28%	32%	0%	0%	0%	0%	70%	50%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	1%	0%	0%	68%	4%	0%	30%	50%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	83%	79%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	17%	21%	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%	50%
Vegetation/Animal	70%	68%	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%	32%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>VICKI(12KV) - Customers: 1,269</b>	<b>11.3</b>	<b>0.1</b>	<b>0.0</b>	<b>432.2</b>	<b>2.7</b>	<b>2.2</b>	<b>423.0</b>	<b>2.3</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>8.9</b>	<b>0.0</b>	<b>0.0</b>	<b>18.9</b>	<b>0.1</b>	<b>0.0</b>
3rd Party	0%	0%	0%	50%	21%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	9%	2%	0%	29%	38%	25%	89%	98%	100%	0%	0%	0%	51%	67%	0%	0%	0%	0%	0%	0%	0%	27%	40%	0%
Operation	91%	98%	0%	21%	41%	38%	11%	2%	0%	0%	0%	0%	49%	33%	0%	0%	0%	0%	100%	100%	0%	73%	60%	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>WAHOO(12KV) - Customers: 2,127</b>	<b>708.4</b>	<b>2.7</b>	<b>1.4</b>	<b>55.2</b>	<b>0.1</b>	<b>3.0</b>	<b>417.4</b>	<b>2.2</b>	<b>2.0</b>	<b>63.7</b>	<b>1.0</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>0.0</b>	<b>84.2</b>	<b>1.0</b>	<b>1.0</b>	<b>148.0</b>	<b>2.0</b>	<b>2.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	74%	55%	50%	97%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	42%	50%	50%
Equipment Failure	99%	99%	18%	76%	48%	0%	26%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	1%	1%	9%	24%	52%	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%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	57%	50%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	0%	73%	0%	0%	33%	0%	0%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	1%	0%	50%

# Reliability Histories for Individual Circuits Serving Los Angeles District 4

	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>WHIPSTOCK(12KV) - Customers: 908</b>	<b>182.3</b>	<b>1.5</b>	<b>2.0</b>	<b>416.8</b>	<b>2.7</b>	<b>2.3</b>	<b>271.0</b>	<b>1.3</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>16.0</b>	<b>0.3</b>	<b>0.0</b>	<b>92.1</b>	<b>2.0</b>	<b>0.9</b>	<b>270.5</b>	<b>1.3</b>	<b>0.0</b>	<b>378.5</b>	<b>3.6</b>	<b>1.9</b>
3rd Party	4%	18%	0%	14%	5%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	21%	44%	100%	0%	0%	0%	5%	25%	100%
Equipment Failure	88%	72%	0%	24%	37%	0%	92%	77%	77%	0%	0%	0%	0%	0%	0%	65%	6%	0%	92%	97%	0%	82%	39%	0%
Operation	9%	10%	0%	15%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	3%	0%	5%	1%	0%
Other	0%	0%	50%	23%	37%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	4%	7%	0%
Vegetation/Animal	0%	0%	50%	0%	0%	43%	8%	23%	23%	0%	0%	0%	0%	0%	0%	14%	50%	0%	0%	0%	0%	3%	28%	0%
Weather/Fire/Earthquake	0%	0%	0%	23%	13%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>WHITTWOOD(4.16KV) - Customers: 660</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</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>17.0</b>	<b>2.0</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>0.0</b>	<b>17.0</b>	<b>2.0</b>	<b>2.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	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%	0%	0%	100%	0%	0%	0%	0%	0%	0%	65%	50%	0%	0%	0%	0%	0%	0%	0%	65%	50%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	35%	50%	100%	0%	0%	0%	0%	0%	0%	35%	50%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	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%
<b>WRIGLEY(12KV) - Customers: 1,194</b>	<b>107.7</b>	<b>3.2</b>	<b>2.8</b>	<b>69.7</b>	<b>3.2</b>	<b>2.2</b>	<b>60.6</b>	<b>2.1</b>	<b>2.9</b>	<b>3.4</b>	<b>0.5</b>	<b>0.2</b>	<b>33.4</b>	<b>1.5</b>	<b>0.0</b>	<b>9.2</b>	<b>1.0</b>	<b>0.0</b>	<b>1.5</b>	<b>0.2</b>	<b>0.8</b>	<b>47.6</b>	<b>3.2</b>	<b>1.0</b>
3rd Party	75%	31%	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%	9%	0%	55%	74%	5%	31%	0%	0%	0%	89%	67%	0%	0%	0%	0%	0%	0%	0%	63%	31%	0%
Operation	12%	38%	64%	44%	62%	10%	26%	95%	69%	57%	50%	100%	11%	33%	0%	0%	0%	0%	100%	100%	100%	15%	30%	100%
Other	13%	31%	0%	18%	7%	34%	0%	0%	0%	43%	50%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	23%	39%	0%
Vegetation/Animal	0%	0%	36%	28%	31%	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>YORKTOWN(12KV) - Customers: 2,196</b>	<b>199.2</b>	<b>1.6</b>	<b>3.6</b>	<b>164.7</b>	<b>0.5</b>	<b>0.6</b>	<b>7.0</b>	<b>0.0</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>141.8</b>	<b>1.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>141.8</b>	<b>1.1</b>	<b>2.0</b>
3rd Party	94%	87%	72%	28%	71%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	5%	12%	0%	65%	17%	0%	80%	75%	100%	0%	0%	0%	0%	0%	0%	97%	95%	0%	0%	0%	0%	97%	95%	0%
Operation	0%	0%	0%	6%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	5%	0%	0%	0%	0%	3%	5%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	1%	1%	28%	1%	3%	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%	20%	25%	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 4

	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>ZEPELIN(16KV) - Customers: 142</b>	<b>135.6</b>	<b>1.0</b>	<b>0.0</b>	<b>302.4</b>	<b>2.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.0</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>194.4</b>	<b>1.7</b>	<b>0.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>194.4</b>	<b>1.7</b>	<b>1.3</b>
3rd Party	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	24%
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%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>ZEUS(12KV) - Customers: 30</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>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>0.0</b>	<b>0.0</b>	<b>2.0</b>
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	52%
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%	100%	0%	0%	48%
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%