



Circuit Reliability Review

Alhambra

January 2017

Providing Safe, Reliable, and Affordable Power

Southern California Edison is modernizing the power grid to meet the changing needs and expectations of our customers and to help California achieve its clean energy goals.

We are investing more than \$12 billion into our power grid between 2015 – 2017 with the goal of increasing power reliability through significant upgrades. These investments include:

- Updating thousands of transmission and distribution poles
- Replacing hundreds of miles of underground cables
- Replacing hundreds of underground structures such as vaults and manholes
- Upgrading critical distribution equipment; capacitor banks, switches, and circuit breakers
- Building new distribution circuits to serve electrical demands in our communities
- Inspecting and replacing overhead conductor and equipment to improve public safety

Our investments in local communities will help ensure that customers receive safe, reliable, and affordable electricity now and in the future.

Understanding Your Reliability Report

As your electric utility, we want you to always have power when you need it. To get there, we constantly track and monitor electric outages across our service territory, and we measure our “system reliability” from this data.

The two metrics we rely on are common in the electric utility industry: the System Average Interruption Duration Index (SAIDI) and the System Average Interruption Frequency Index (SAIFI). Both are described in more detail on the next page.

Replacing and upgrading our infrastructure will help SCE maintain or improve SAIDI and SAIFI measurements.

This report provides historical reliability data for the circuits that serve your jurisdiction and our proposed infrastructure upgrades for the current year.

To view other reliability reports, visit [sce.com>Outage Center>Maintaining Reliable Service](https://www.sce.com/Outage-Center/Maintaining-Reliable-Service)

Reliability Metrics

MOMENTARY OUTAGES:

OUTAGES LASTING 5 MINUTES OR LESS

MAIFI:

- The number of times the average customer is interrupted by Momentary outages each year.

SUSTAINED OUTAGES:

OUTAGES LASTING LONGER THAN 5 MINUTES

SAIFI:

- The number of times the average customer is interrupted by Sustained outages each year.

SAIDI:

- The cumulative amount of time the average customer is interrupted by Sustained outages each year.

Cities in the Montebello District

Alhambra

East Los Angeles

El Monte

Los Angeles

Montebello

Monterey Park

North El Monte

Pico Rivera

Rosemead

South El Monte

South San Gabriel

Reliability by SCE District (No Exclusions)

District Name	2012				2013				2014				2015				2016			
	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking	District SAIDI	SAIDI RANKING	District SAIFI	SAIFI Ranking
ANTELOPE VALLEY	78.60	28	0.56	31	94.42	22	0.62	31	51.05	35	0.59	34	104.34	22	0.68	30	107.67	24	0.87	29
ARROWHEAD	129.58	13	1.31	7	180.59	7	1.39	8	193.25	5	1.59	5	362.61	4	3.97	1	659.46	3	2.85	5
BARSTOW	184.80	7	1.15	12	204.33	6	1.40	7	201.53	4	1.34	10	187.11	8	1.17	12	134.83	18	1.35	9
BIG CREEK	1184.25	1	4.52	1	176.51	8	3.08	1	920.25	1	1.34	11	422.77	2	3.42	2	1062.01	2	4.99	1
BISHOP	463.09	2	1.25	9	104.44	17	0.51	35	118.79	17	0.59	35	298.11	6	2.22	4	168.59	8	1.22	14
BLYTHE	225.88	6	1.53	3	483.13	1	1.38	9	707.54	2	2.42	2	427.00	1	1.52	7	396.38	5	2.71	6
CATALINA	78.46	30	0.72	29	105.94	16	2.97	2	97.02	24	4.17	1	42.56	35	2.25	3	65.01	35	3.66	3
COVINA	108.73	19	0.92	19	100.51	19	0.86	20	91.60	27	0.87	22	100.08	23	0.81	25	112.13	22	0.97	24
DOMINGUEZ HILLS	117.22	18	0.82	24	89.17	26	0.80	21	82.30	29	0.71	28	130.63	15	0.97	17	146.38	12	1.11	17
FOOTHILL	91.69	25	0.90	20	85.80	27	0.79	24	93.35	25	0.93	21	109.64	20	0.95	20	142.81	14	1.03	21
FULLERTON	68.99	33	0.42	35	90.57	25	0.79	22	82.23	30	0.72	27	76.59	29	0.67	31	92.72	30	0.76	34
HUNTINGTON BEACH	95.78	23	0.89	21	66.51	32	0.68	29	79.61	31	0.78	25	98.32	25	0.95	19	128.02	20	1.26	12
KERNVILLE	226.76	5	1.31	6	232.18	4	1.96	3	178.69	8	1.99	3	286.38	7	0.96	18	2421.32	1	3.67	2
LONG BEACH	75.83	31	0.55	33	75.11	30	0.70	28	66.33	34	0.61	32	164.46	9	0.89	23	135.16	17	0.86	31
MENIFEE	99.32	22	0.84	23	107.39	15	1.26	10	156.68	11	1.32	12	111.46	19	0.98	16	156.75	9	1.31	10
MONROVIA	108.11	20	1.13	15	99.12	20	1.02	16	133.32	14	1.16	16	96.68	26	0.88	24	116.57	21	0.84	32
MONTEBELLO	131.06	12	1.13	14	118.08	13	1.17	12	158.34	10	1.16	15	150.28	12	1.18	11	133.52	19	1.17	15
ONTARIO	93.09	24	0.87	22	77.39	29	0.79	23	97.91	23	1.00	19	94.04	27	0.74	27	105.07	27	0.93	27
PALM SPRINGS	175.92	8	1.27	8	112.80	14	0.77	25	107.04	20	0.71	29	99.54	24	0.80	26	107.58	25	1.07	19
REDLANDS	120.13	16	1.11	16	96.48	21	1.04	15	154.25	12	1.04	18	124.52	17	1.01	14	137.11	16	0.98	23
RIDGECREST	229.65	4	1.44	4	161.95	9	1.12	13	176.84	9	1.57	6	148.90	13	1.01	15	254.31	6	1.05	20
SADDLEBACK	83.01	27	0.73	27	70.69	31	0.53	34	99.07	22	0.74	26	46.03	34	0.39	35	65.99	34	0.65	35
SAN JOAQUIN	135.90	10	1.04	18	244.44	2	1.45	6	138.25	13	1.17	14	127.50	16	1.05	13	108.44	23	1.09	18
SANTA ANA	78.60	29	0.55	32	93.35	24	0.74	26	91.68	26	0.84	23	67.46	32	0.71	29	97.27	29	1.00	22
SANTA BARBARA	153.81	9	1.15	13	82.00	28	0.70	27	183.78	7	1.38	9	152.37	11	1.52	6	156.66	10	1.41	8
SANTA MONICA	101.69	21	0.79	25	122.78	12	1.00	17	110.76	19	0.99	20	75.41	30	0.62	32	91.08	31	0.95	26
SOUTH BAY	122.68	15	1.17	10	142.15	10	1.49	5	125.28	16	1.39	8	164.07	10	1.31	8	183.90	7	1.88	7
TEHACHAPI	117.96	17	1.43	5	232.67	3	1.12	14	130.70	15	1.29	13	298.96	5	1.21	9	97.29	28	1.13	16
THOUSAND OAKS	127.73	14	1.05	17	93.86	23	0.91	18	104.37	21	1.10	17	106.59	21	0.92	21	143.78	13	1.31	11
VALENCIA	62.01	35	0.46	34	51.04	34	0.53	33	79.23	32	0.61	33	72.27	31	0.61	33	105.09	26	0.97	25
VENTURA	134.81	11	1.15	11	100.52	18	1.21	11	183.79	6	1.65	4	148.85	14	1.19	10	150.41	11	1.24	13
VICTORVILLE	67.70	34	0.66	30	61.33	33	0.63	30	68.85	33	0.63	31	87.03	28	0.91	22	79.35	33	0.92	28
WHITTIER	72.60	32	0.74	26	135.04	11	0.86	19	87.60	28	0.70	30	114.52	18	0.73	28	137.34	15	0.81	33
WILDOMAR	88.54	26	0.72	28	40.51	35	0.56	32	118.49	18	0.81	24	52.70	33	0.60	34	84.01	32	0.87	30
YUCCA VALLEY	319.82	3	3.41	2	216.97	5	1.50	4	304.25	3	1.49	7	389.08	3	1.80	5	463.68	4	3.39	4
SCE SystemWide	108.13		0.89		102.61		0.91		112.00		0.96		114.83		0.92		134.48		1.10	

Exclusions are days which utilities are allowed to remove from their metrics because the outages on those days were caused by a severe acts of nature.

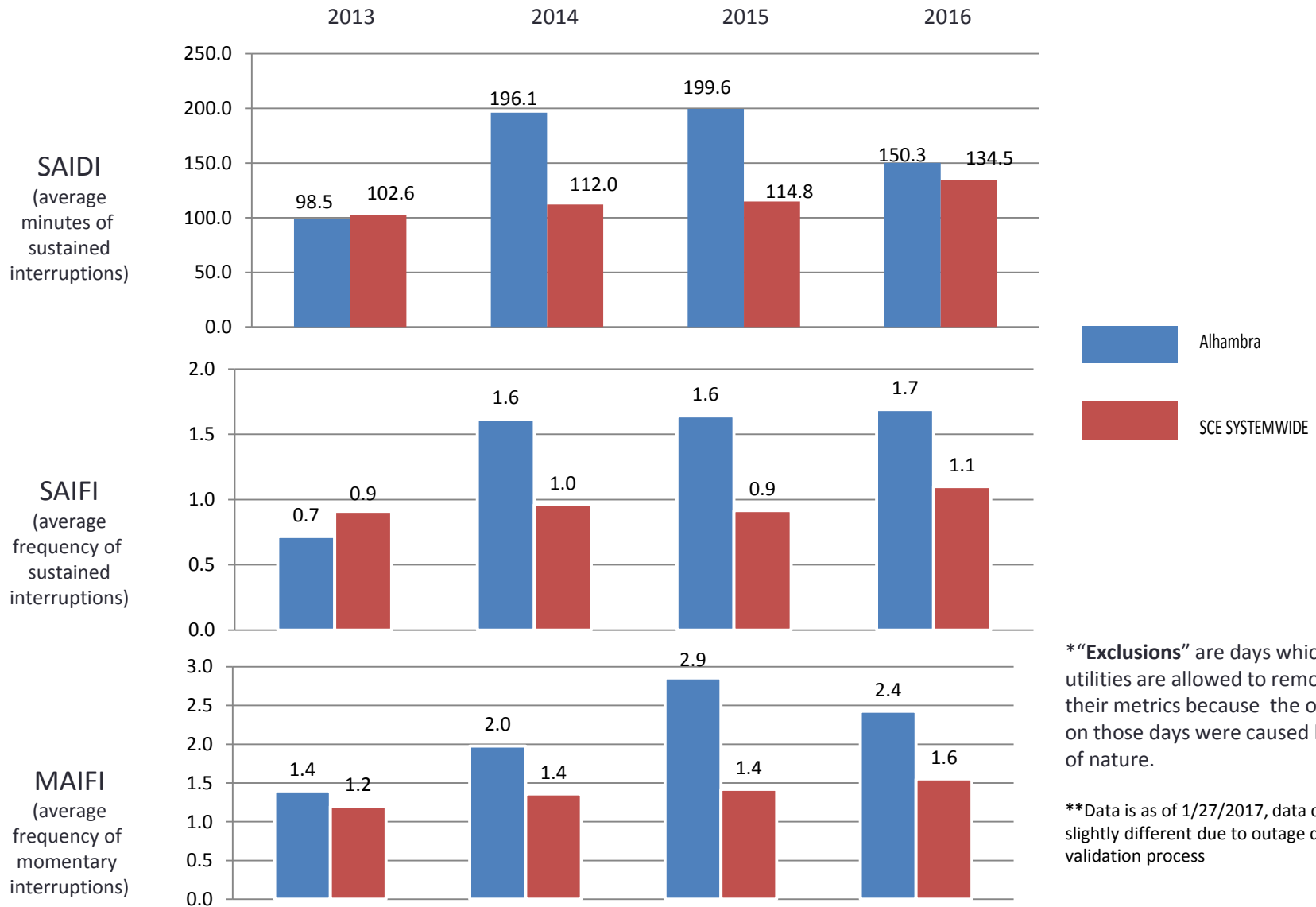
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Alhambra

There are 42 circuits that serve Alhambra

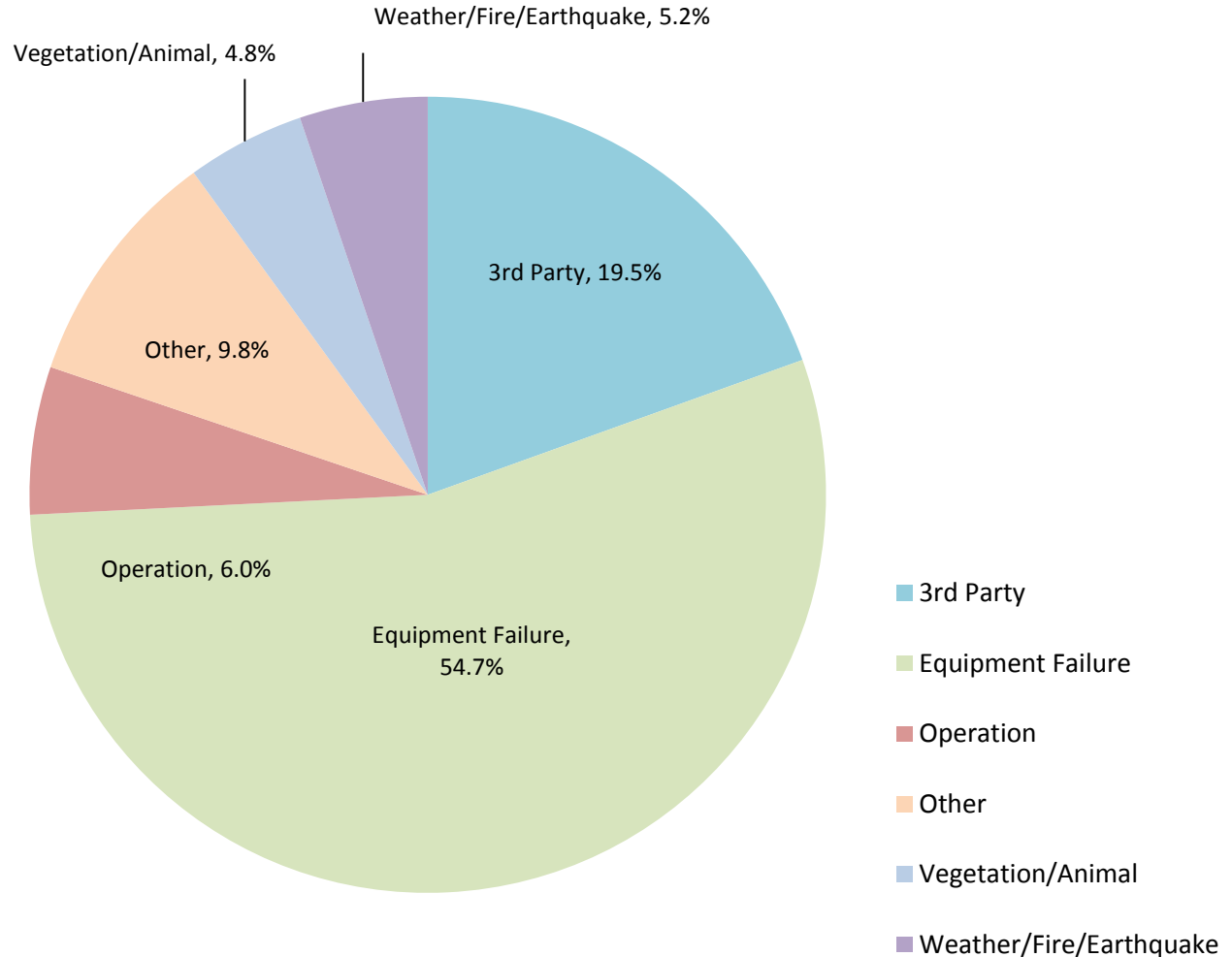
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ALMANSOR(16KV)	2,092	PEDESTRIAN(4.16KV)	1,059				
ASTEROID(16KV)	4,199	ROANOKE(4.16KV)	376				
BILTON(16KV)	4,459	SARAH(4.16KV)	770				
BRAUN(16KV)	1,184	SHORB(4.16KV)	1,046				
BRUNNER(4.16KV)	877	ST. CHARLES(16KV)	1,175				
CHUCKER(4.16KV)	860	STORY(4.16KV)	570				
COMMONWEALTH(4.16KV)	976	TAKNING(16KV)	3,099				
CORDOVA(4.16KV)	222	TEST(16KV)	2,956				
CRESTA(16KV)	3,155	TRI CITY(16KV)	2,197				
DEERFIELD(16KV)	2,668	TRIUMPH(16KV)	1,491				
DOLGEVILLE(4.16KV)	319	WILMAR(4.16KV)	963				
ELGIN(4.16KV)	387	WOODWARD(4.16KV)	425				
FLORAL(16KV)	2,030						
GERONA(16KV)	1,679						
GLENDON(4.16KV)	694						
GRAVES(4.16KV)	320						
GUEST(4.16KV)	687						
HAMPTON(4.16KV)	490						
HELLMAN(4.16KV)	622						
HIDALGO(4.16KV)	402						
HONOR(16KV)	2,157						
HOOVER(4.16KV)	259						
KAY(16KV)	2,219						
MARENGO(4.16KV)	681						
MARGUERITA(16KV)	1,553						
MAYFAIR(4.16KV)	925						
MERCER(16KV)	3,867						
MIDWICK(4.16KV)	758						
PALJAY(16KV)	1,869						
PAT(16KV)	2,913						
Grand Total	61,650						

Reliability History of Circuits Serving Alhambra (No Exclusions)



Causes of Repair Outages in Alhambra Circuits 2016 YTD

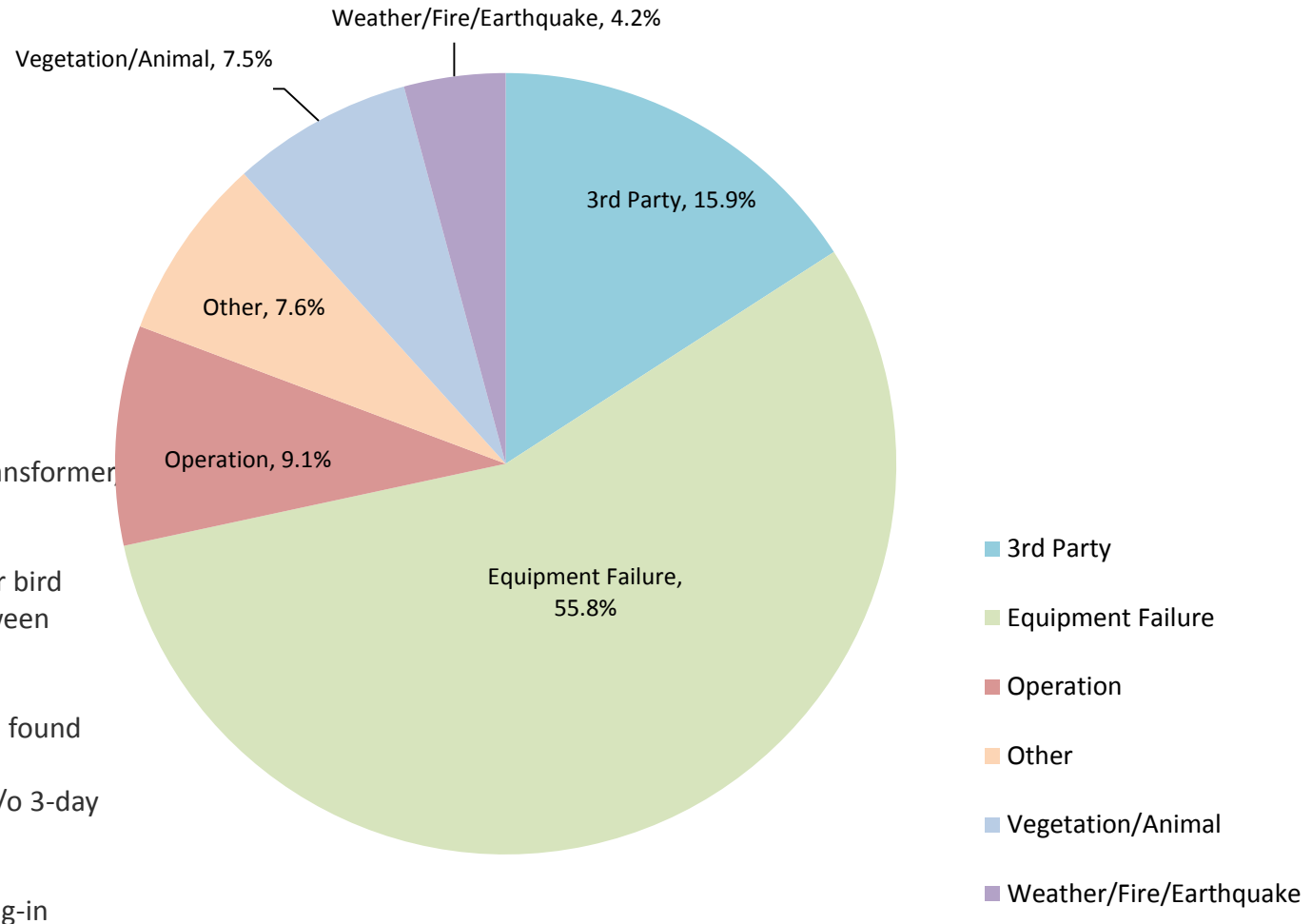
Contributions to SAIDI by Outage Cause



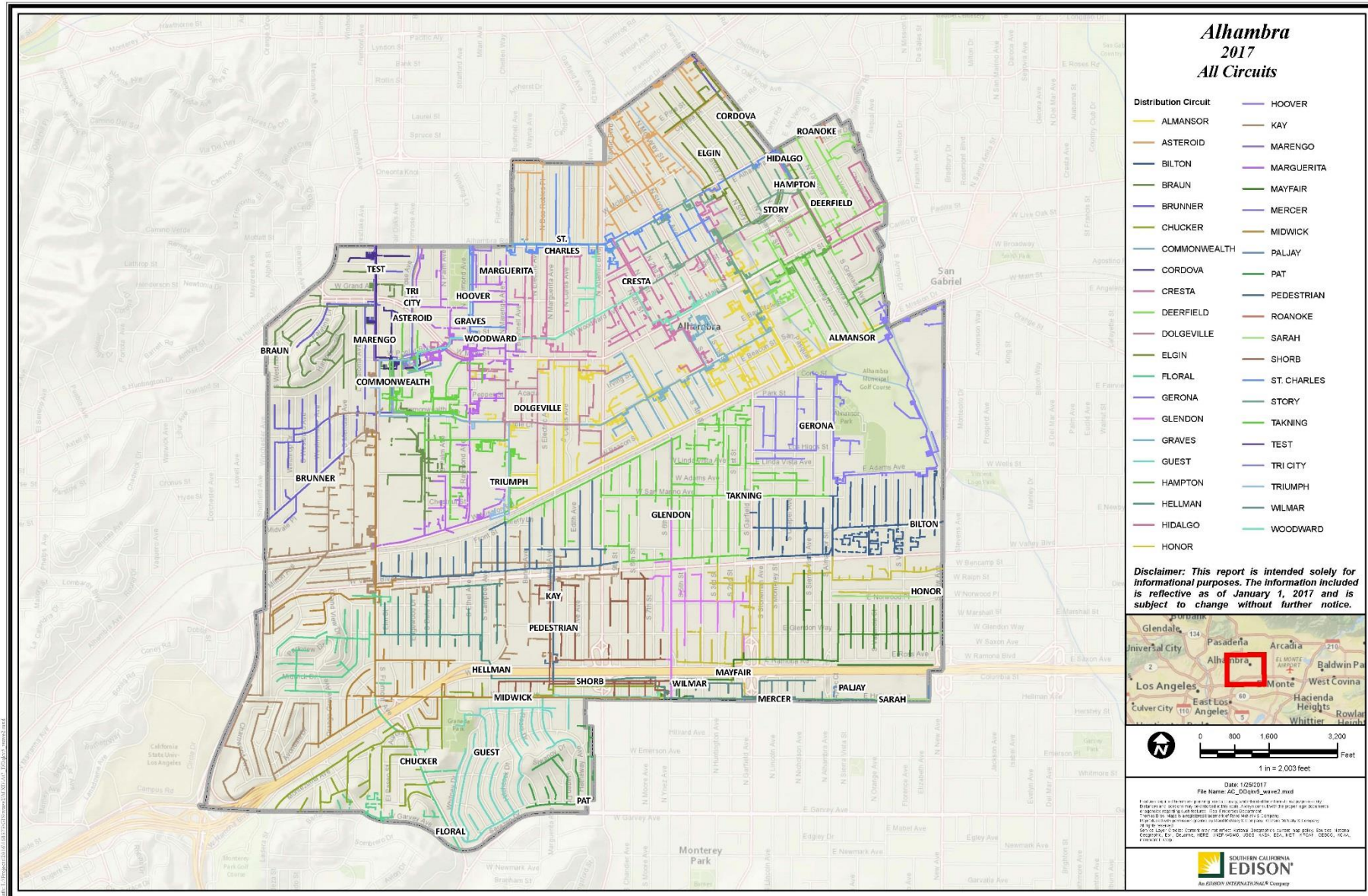
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

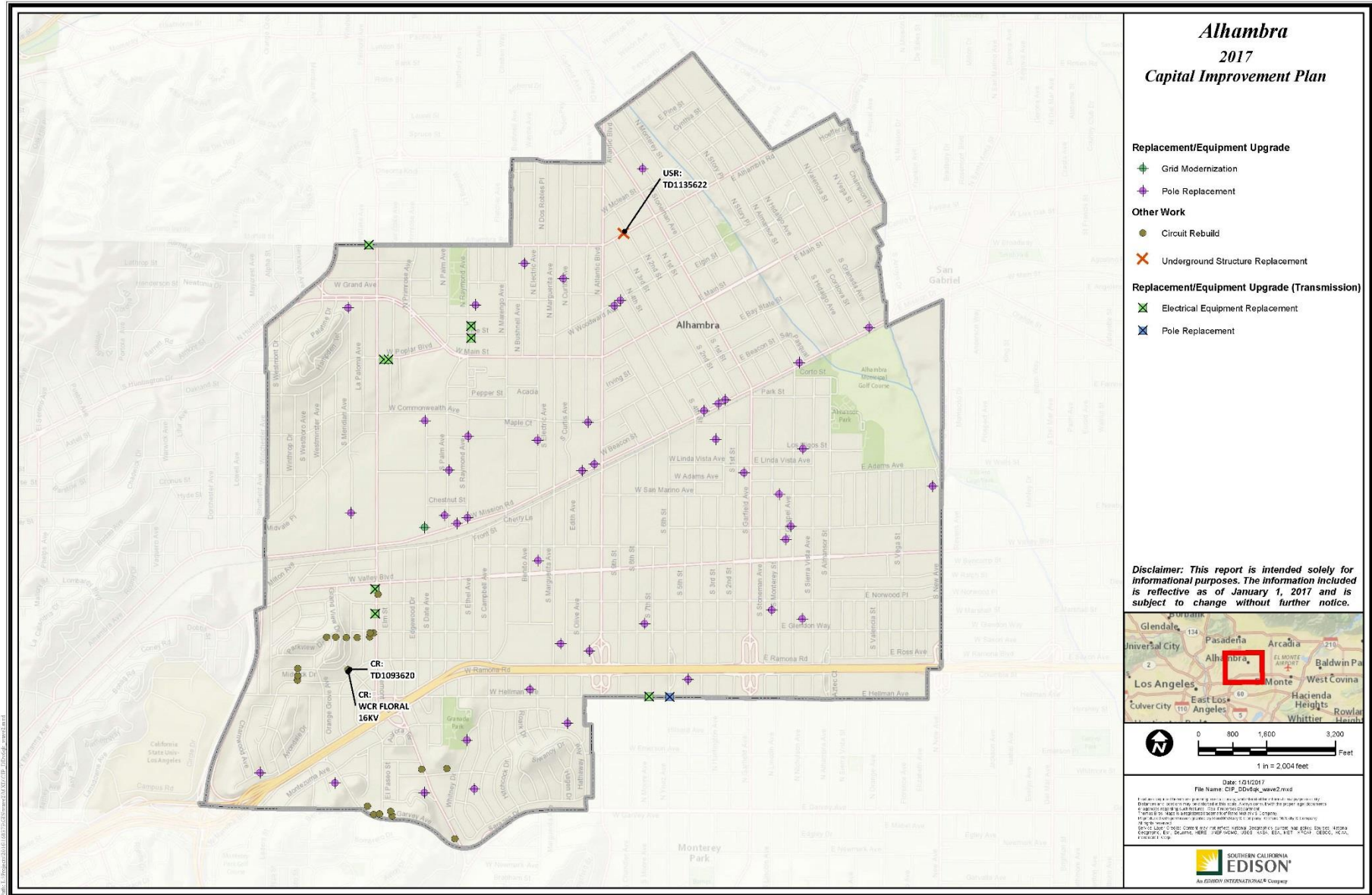
Causes of Repair Outages in Alhambra Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



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





Back-up Slides

Reliability Histories of Circuits Serving Alhambra

Updated through Year-End 2016

Average Reliability of 42 Circuits Serving Alhambra

	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
Alhambra	98.5	0.7	1.4	196.1	1.6	2.0	199.6	1.6	2.9	44.3	0.8	0.7	29.5	0.2	0.7	33.6	0.2	0.4	42.8	0.4	0.5	150.3	1.7	2.4
3rd Party	2%	4%	14%	12%	3%	17%	7%	10%	5%	12%	9%	8%	0%	0%	0%	37%	60%	35%	27%	18%	9%	19%	16%	11%
Equipment Failure	57%	47%	24%	39%	51%	22%	30%	21%	7%	71%	78%	8%	75%	61%	70%	55%	20%	9%	24%	28%	19%	55%	56%	29%
Operation	4%	3%	2%	6%	7%	5%	9%	7%	2%	2%	5%	12%	13%	30%	0%	7%	19%	2%	5%	1%	1%	6%	9%	4%
Other	4%	1%	18%	11%	9%	15%	14%	23%	36%	1%	2%	43%	3%	1%	7%	1%	1%	35%	30%	25%	43%	10%	8%	31%
Vegetation/Animal	5%	13%	32%	2%	12%	30%	8%	12%	41%	2%	0%	14%	3%	1%	23%	0%	0%	17%	13%	28%	28%	5%	7%	20%
Weather/Fire/Earthquake	28%	32%	10%	30%	18%	11%	32%	28%	9%	13%	7%	15%	6%	7%	0%	1%	0%	2%	1%	0%	0%	5%	4%	5%
SCE Systemwide	102.6	0.9	1.2	112.0	1.0	1.4	114.8	0.9	1.4	40.5	0.3	0.4	34.8	0.3	0.4	29.4	0.2	0.3	29.8	0.3	0.4	134.5	1.1	1.6

Notes:

No outages are excluded from the metrics.

Outage Causes:

Other: e.g., patrolled but no cause could be found

Operations: e.g., urgent maintenance w/o 3-day notice to customers

3rd Party: e.g., balloons, car hit pole, dig-in

Vegetation/Animal: e.g., tree branch, rodent, or bird causing short circuit across conductors

SAIDI (minutes) = the cumulative amount of time the average customer is interrupted by "sustained" (longer than 5 minutes) outages.

SAIFI (interruptions) = the number of times the average customer is interrupted by "sustained" outages.

MAIFI (interruptions) = the number of times the average customer is interrupted by "momentary" (lasting 5 minutes or less) outages.

Reliability Histories for Individual Circuits Serving Alhambra

	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
ALMANSOR(16KV) - Customers: 2,092	342.2	2.4	0.3	225.6	3.9	1.5	70.1	1.5	0.6	28.5	1.2	0.0	120.3	1.3	1.2	7.5	0.0	0.0	33.7	0.1	0.4	190.1	2.6	1.6
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	18%	100%	6%	0%	27%
Equipment Failure	62%	55%	0%	91%	71%	61%	27%	3%	0%	100%	100%	0%	93%	97%	100%	0%	0%	0%	65%	82%	0%	85%	96%	73%
Operation	4%	3%	0%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	34%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	0%	0%	0%	0%	18%	47%	48%	0%	0%	0%	0%	0%	0%	91%	66%	0%	0%	0%	0%	4%	1%	0%
Vegetation/Animal	0%	0%	0%	5%	29%	39%	55%	50%	52%	0%	0%	0%	7%	3%	0%	0%	0%	0%	0%	0%	0%	4%	1%	0%
Weather/Fire/Earthquake	34%	43%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ASTEROID(16KV) - Customers: 4,199	0.3	0.0	0.7	343.2	1.0	2.0	316.6	3.3	5.7	107.6	2.0	2.0	54.3	1.0	2.0	72.8	1.0	0.0	65.3	1.0	0.0	300.0	5.0	4.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%	50%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	49%	40%	0%
Equipment Failure	0%	0%	100%	13%	4%	0%	90%	64%	12%	19%	50%	0%	0%	0%	50%	0%	0%	0%	92%	99%	0%	27%	40%	25%
Operation	0%	0%	0%	0%	0%	0%	1%	4%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	18%	20%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
Vegetation/Animal	100%	100%	0%	0%	0%	100%	2%	1%	71%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	25%
Weather/Fire/Earthquake	0%	0%	0%	87%	96%	0%	7%	31%	17%	11%	1%	50%	0%	0%	0%	0%	0%	0%	7%	1%	0%	6%	0%	25%
BILTON(16KV) - Customers: 4,459	12.5	1.0	2.0	175.6	1.6	3.0	71.3	1.0	5.0	69.5	0.8	0.0	180.5	1.1	1.1	3.0	0.0	1.1	147.5	1.1	0.2	400.6	3.0	2.4
3rd Party	0%	0%	0%	0%	0%	0%	84%	98%	20%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	37%	36%	54%
Equipment Failure	3%	0%	0%	100%	100%	33%	16%	2%	20%	0%	0%	0%	96%	99%	100%	0%	0%	0%	0%	0%	0%	43%	37%	46%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	1%	0%	0%
Other	0%	0%	0%	0%	0%	33%	0%	0%	20%	0%	0%	0%	4%	1%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%
Vegetation/Animal	97%	100%	100%	0%	0%	33%	0%	0%	40%	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%	17%	26%	0%
BRAUN(16KV) - Customers: 1,184	208.7	0.3	0.0	36.7	1.1	3.9	669.0	2.4	2.4	32.1	1.1	0.0	0.0	0.0	1.0	0.0	0.0	0.0	181.4	1.9	1.0	213.5	3.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	1%	0%	73%	97%	0%	87%	83%	17%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	15%	36%	50%
Operation	0%	0%	0%	0%	0%	0%	6%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	97%	97%	0%	0%	0%	0%	0%	0%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	85%	64%	50%
Vegetation/Animal	2%	2%	0%	10%	1%	76%	0%	0%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	17%	2%	24%	7%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Alhambra

	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
BRUNNER(4.16KV) - Customers: 877	4.0	0.1	0.0	0.0	0.0	0.0	31.0	0.4	2.0	20.0	1.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	91%	97%	0%
Operation	100%	100%	0%	0%	0%	0%	28%	90%	2%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	9%	3%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	98%	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%	72%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CHUCKER(4.16KV) - Customers: 860	44.8	1.0	0.0	443.1	0.9	2.0	0.2	0.0	3.0	0.7	0.1	0.1	1.6	0.0	0.0	0.0	0.0	0.0	94.3	0.5	1.4	96.6	0.6	1.5
3rd Party	100%	100%	0%	0%	0%	48%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	98%	79%	94%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	16%	6%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	2%	5%	0%
Other	0%	0%	0%	0%	0%	52%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
COMMONWEALTH(4.16KV) - Customers: 976	0.0	0.0	0.9	394.4	1.0	0.0	36.0	1.0	1.0	0.0	0.0	0.0	4.1	0.1	0.0	0.5	0.1	0.0	111.8	2.0	1.0	116.4	2.2	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	4%	3%	0%
Equipment Failure	0%	0%	100%	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%	0%	3%	0%
Other	0%	0%	0%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	96%	94%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CORDOVA(4.16KV) - Customers: 222	22.7	0.2	1.0	56.4	1.0	2.0	121.1	4.1	2.0	137.4	2.0	1.0	0.0	0.0	0.0	388.8	0.3	0.0	0.0	0.0	0.0	526.2	2.3	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	86%	100%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	74%	14%	0%
Other	0%	0%	100%	0%	0%	0%	14%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	50%	7%	25%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	50%	79%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Alhambra

	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
CRESTA(16KV) - Customers: 3,155	91.7	0.7	1.9	457.2	2.5	1.5	854.4	7.2	4.2	22.8	1.1	1.1	6.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	28.8	1.1	2.2
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	46%	7%	43%	7%	41%	0%	6%	1%	0%	99%	99%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	99%	99%	49%
Operation	0%	1%	0%	9%	5%	28%	0%	0%	0%	1%	1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	51%
Other	0%	0%	0%	0%	0%	0%	27%	34%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	54%	92%	57%	1%	13%	72%	8%	14%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	84%	41%	0%	60%	51%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DEERFIELD(16KV) - Customers: 2,668	15.8	0.0	1.5	112.1	2.1	1.8	31.9	0.1	2.0	6.3	0.0	2.0	81.8	0.6	0.4	0.0	0.0	1.0	19.1	1.0	2.0	107.2	1.6	5.4
3rd Party	0%	0%	0%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	62%	42%	0%	69%	61%	45%	72%	36%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	50%	76%	37%	26%
Operation	0%	0%	0%	1%	1%	0%	6%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	20%	24%	50%	28%	38%	0%	3%	7%	50%	0%	0%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	37%
Vegetation/Animal	0%	0%	0%	2%	1%	0%	16%	41%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	50%	24%	63%	18%
Weather/Fire/Earthquake	18%	34%	50%	0%	0%	0%	4%	3%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%
DOLGEVILLE(4.16KV) - Customers: 319	220.7	2.3	6.0	61.6	1.1	0.0	0.0	0.0	2.0	34.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	1.7	0.0
3rd Party	32%	44%	33%	23%	8%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	77%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	33%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	68%	56%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ELGIN(4.16KV) - Customers: 387	0.0	0.0	1.0	54.0	2.1	3.0	262.6	5.6	4.0	137.8	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137.8	2.0	1.0
3rd Party	0%	0%	0%	0%	0%	67%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	64%	48%	0%	51%	27%	25%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%
Operation	0%	0%	0%	21%	4%	0%	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	0%	0%	0%	6%	36%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	15%	49%	33%	3%	18%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	36%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Alhambra

	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
FLORAL(16KV) - Customers: 2,030	194.2	1.8	0.5	396.9	3.8	2.7	103.5	1.8	2.0	41.3	0.0	4.0	0.0	0.0	1.0	113.2	1.1	0.0	149.0	1.0	2.0	303.5	2.1	7.0
3rd Party	0%	0%	41%	45%	3%	37%	98%	99%	0%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%
Equipment Failure	57%	56%	9%	11%	20%	58%	0%	0%	0%	100%	100%	0%	0%	0%	0%	88%	5%	0%	0%	0%	0%	46%	5%	0%
Operation	11%	2%	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	95%	0%	0%	0%	0%	5%	48%	0%
Other	0%	0%	0%	12%	25%	2%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	100%	100%	100%	49%	48%	71%
Vegetation/Animal	0%	0%	41%	0%	0%	0%	2%	1%	100%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%
Weather/Fire/Earthquake	32%	43%	9%	31%	50%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GERONA(16KV) - Customers: 1,679	429.3	0.9	0.7	329.9	1.6	0.5	11.1	0.1	3.0	0.0	0.0	1.5	0.0	0.0	0.0	9.4	0.0	0.8	0.0	0.0	0.0	9.4	0.0	2.3
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	100%	96%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	36%
Operation	0%	0%	0%	2%	2%	0%	91%	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	64%
Vegetation/Animal	0%	0%	0%	2%	2%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	1%	15%	50%	9%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GLENDON(4.16KV) - Customers: 694	0.5	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.2	0.0	0.0	1.0	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3	0.0	1.0
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GRAVES(4.16KV) - Customers: 320	262.6	1.2	0.0	189.0	1.3	0.0	0.0	0.0	2.0	20.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	20.0	1.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	0%	96%	80%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	3%	9%	0%	4%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	96%	90%	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 Alhambra

	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
GUEST(4.16KV) - Customers: 687	67.9	0.2	1.0	0.0	0.0	1.0	93.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	2.0	0.0	0.0	0.0	15.2	0.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	92%	91%	0%	0%	0%	0%	0%	0%	0%	100%	100%	50%	0%	0%	0%	100%	100%	50%
Operation	100%	100%	100%	0%	0%	0%	8%	9%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	50%
Other	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HAMPTON(4.16KV) - Customers: 490	0.0	0.0	0.0	43.1	2.0	1.0	136.9	4.1	2.0	135.3	2.0	1.0	0.0	0.0	0.0	18.7	0.2	0.0	0.0	0.0	0.0	154.0	2.2	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	81%	50%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	92%	100%
Operation	0%	0%	0%	0%	0%	0%	13%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	12%	49%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	12%	8%	0%
Vegetation/Animal	0%	0%	0%	19%	50%	100%	6%	24%	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%	69%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HELLMAN(4.16KV) - Customers: 622	0.0	0.0	0.0	3.4	0.0	3.0	4.8	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	293.6	1.0	1.0	293.6	1.0	1.0
3rd Party	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	70%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	30%	50%	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%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	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%
HIDALGO(4.16KV) - Customers: 402	1.2	0.0	0.0	52.1	2.0	1.0	119.4	4.0	2.0	135.5	2.0	1.0	24.9	0.2	0.0	0.0	0.0	0.0	11.9	0.0	0.0	172.3	2.2	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	85%	50%	0%	0%	0%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	100%
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%	14%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	15%	50%	100%	7%	25%	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%	79%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Alhambra

	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
HONOR(16KV) - Customers: 2,157	85.1	1.0	0.9	0.0	0.0	0.0	64.7	0.7	3.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	22.9	0.0	0.0	24.1	0.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	95%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	3%	1%	0%	0%	0%	0%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	95%	70%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	33%	100%	100%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	5%	30%	100%
Vegetation/Animal	3%	0%	100%	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%	0%	98%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HOOVER(4.16KV) - Customers: 259	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	19.9	1.0	0.0	84.2	0.2	0.8	0.0	0.0	0.0	0.4	0.0	0.0	104.5	1.2	0.8
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	50%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	19%	86%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	81%	14%	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%
KAY(16KV) - Customers: 2,219	13.3	0.0	2.0	43.5	1.1	3.0	93.8	0.2	3.0	162.9	1.0	0.0	0.9	0.0	3.0	4.9	0.0	0.0	0.6	0.0	1.0	169.3	1.1	4.0
3rd Party	3%	44%	100%	0%	0%	0%	15%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	73%	95%	33%	29%	31%	0%	91%	98%	0%	0%	0%	33%	100%	100%	0%	0%	0%	100%	90%	94%	50%
Operation	97%	56%	0%	27%	5%	0%	3%	27%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	1%	4%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	67%	7%	7%	33%	9%	2%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	9%	2%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	46%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MARENGO(4.16KV) - Customers: 681	0.0	0.0	0.0	29.3	0.1	0.0	190.8	0.3	2.0	0.0	0.0	0.0	104.0	0.2	0.0	29.7	0.0	1.0	0.0	0.0	0.0	133.7	0.2	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	30%	28%	0%	0%	0%	0%	94%	76%	0%	18%	41%	0%	0%	0%	0%	77%	70%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	6%	24%	0%	0%	0%	0%	0%	0%	0%	5%	20%	0%
Other	0%	0%	0%	0%	0%	0%	70%	68%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	82%	59%	100%	0%	0%	0%	18%	10%	100%

Reliability Histories for Individual Circuits Serving Alhambra

	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
MARGUERITA(16KV) - Customers: 1,553	48.0	0.1	1.9	0.2	0.0	1.0	583.7	1.6	4.0	19.9	1.0	1.0	33.9	0.1	1.0	559.5	1.3	1.0	0.0	0.0	0.0	613.4	2.4	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	52%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	33%
Operation	0%	0%	0%	100%	100%	0%	49%	38%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Other	0%	0%	0%	0%	0%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	34%
Vegetation/Animal	100%	100%	48%	0%	0%	0%	51%	62%	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%
MAYFAIR(4.16KV) - Customers: 925	1.7	0.1	2.0	2.6	0.0	1.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.0
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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MERCER(16KV) - Customers: 3,867	0.0	0.0	0.9	69.1	0.4	1.2	143.6	1.7	1.4	0.0	0.0	0.9	1.7	0.0	0.0	0.0	0.0	0.0	0.6	0.0	2.1	2.2	0.0	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	12%	2%	0%	69%	65%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	88%	98%	100%	31%	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	93%	98%	0%	24%	67%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	35%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	72%	0%	0%	100%	100%	100%	0%	0%	0%	0%	7%	2%	50%	76%	33%	65%
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%
MIDWICK(4.16KV) - Customers: 758	260.5	1.9	2.0	16.7	0.0	1.0	0.0	0.0	0.0	24.6	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	1.0	1.0
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	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	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 Alhambra

	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
PALJAY(16KV) - Customers: 1,869	167.3	1.8	1.0	38.5	1.3	0.0	9.7	0.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	94%	99%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	98%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	2%	1%	0%	6%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PAT(16KV) - Customers: 2,913	72.4	1.2	5.9	544.5	3.5	5.9	1.4	0.0	1.0	86.3	1.1	0.0	14.8	0.1	0.0	11.1	0.1	1.0	0.0	0.0	0.0	112.2	1.2	1.0
3rd Party	0%	0%	17%	63%	7%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	82%	93%	32%	35%	65%	50%	0%	0%	0%	100%	100%	0%	23%	10%	0%	84%	82%	0%	0%	0%	0%	88%	95%	0%
Operation	18%	7%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	16%	18%	0%	0%	0%	0%	2%	1%	0%
Other	0%	0%	17%	2%	28%	17%	0%	0%	0%	0%	0%	0%	75%	89%	0%	0%	0%	100%	0%	0%	0%	10%	4%	100%
Vegetation/Animal	0%	0%	34%	0%	0%	0%	0%	0%	100%	0%	0%	0%	2%	1%	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%
PEDESTRIAN(4.16KV) - Customers: 1,059	84.7	0.3	2.0	72.2	2.0	3.0	482.6	3.0	3.0	120.6	2.0	2.0	95.4	1.0	1.0	0.0	0.0	0.0	194.3	1.0	1.0	410.3	4.0	4.0
3rd Party	0%	0%	100%	0%	0%	0%	15%	33%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
Equipment Failure	100%	100%	0%	40%	50%	34%	0%	0%	0%	95%	99%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	75%	75%	25%
Operation	0%	0%	0%	0%	0%	0%	35%	35%	1%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	0%	50%	32%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	66%	0%	0%	33%	0%	0%	50%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	60%	50%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	23%	25%	0%
ROANOKE(4.16KV) - Customers: 376	149.4	1.0	0.0	40.0	1.9	0.9	161.2	5.0	2.0	140.6	2.0	1.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	145.0	2.1	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	81%	50%	0%	0%	0%	0%	100%	100%	100%	92%	44%	0%	0%	0%	0%	0%	0%	0%	100%	99%	51%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	56%	0%	0%	0%	0%	0%	0%	100%	0%	1%	49%
Other	0%	0%	0%	0%	0%	0%	11%	40%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	19%	50%	100%	5%	20%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	100%	100%	0%	0%	0%	0%	85%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Alhambra

	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
SARAH(4.16KV) - Customers: 770	0.0	0.0	3.0	764.4	1.1	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	33%	0%	0%	50%	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%	10%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	100%	90%	67%	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%
SHORB(4.16KV) - Customers: 1,046	60.3	0.7	1.0	0.9	0.1	2.0	632.4	1.0	2.9	98.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.2	1.0	2.0
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%	100%
Equipment Failure	100%	100%	48%	0%	0%	0%	99%	95%	33%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	52%	100%	100%	0%	1%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ST. CHARLES(16KV) - Customers: 1,175	71.8	1.2	0.0	38.4	1.5	2.6	0.0	0.0	3.0	20.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	74.2	1.2	2.0	94.2	2.2	4.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	91%	91%	0%	87%	94%	0%	0%	0%	0%	100%	100%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	21%	47%	50%
Operation	9%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	13%	0%	60%	7%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	13%	6%	100%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	87%	100%	19%	46%	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%
STORY(4.16KV) - Customers: 570	0.0	0.0	0.0	41.1	1.3	2.0	306.6	5.5	5.0	234.9	2.0	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	234.9	2.0	6.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%
Equipment Failure	0%	0%	0%	84%	35%	0%	14%	1%	20%	100%	100%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	17%
Operation	0%	0%	0%	0%	0%	0%	8%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	50%	6%	37%	60%	0%	0%	33%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	67%
Vegetation/Animal	0%	0%	0%	16%	65%	50%	3%	18%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	70%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Alhambra

	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
TAKNING(16KV) - Customers: 3,099	17.5	0.0	2.9	133.5	2.0	2.0	132.8	0.9	3.1	34.8	1.2	0.0	0.0	0.0	1.0	1.4	0.0	1.0	0.0	0.0	0.0	36.3	1.2	2.0
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	32%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	4%	0%	50%
Equipment Failure	47%	30%	33%	43%	50%	50%	0%	0%	0%	97%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	93%	99%	50%
Operation	4%	19%	0%	57%	50%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
Other	0%	0%	0%	0%	0%	0%	99%	99%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	1%	1%	67%	0%	0%	0%	1%	1%	32%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	48%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TEST(16KV) - Customers: 2,956	100.0	1.1	1.0	343.0	4.4	4.8	551.5	3.7	7.5	30.4	0.7	1.0	0.0	0.0	1.0	149.3	1.0	1.5	0.0	0.0	0.0	179.7	1.7	3.5
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	83%	60%	0%
Equipment Failure	0%	0%	0%	31%	40%	3%	11%	28%	13%	68%	93%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	12%	38%	28%
Operation	2%	6%	0%	0%	0%	0%	7%	3%	0%	32%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	3%	0%
Other	0%	0%	0%	0%	0%	11%	1%	15%	13%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%
Vegetation/Animal	0%	0%	0%	5%	30%	13%	4%	16%	33%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	44%
Weather/Fire/Earthquake	98%	94%	100%	65%	30%	73%	78%	38%	41%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TRI CITY(16KV) - Customers: 2,197	329.3	2.2	0.0	81.3	0.3	1.0	168.2	1.6	0.5	61.7	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	140.5	2.0	1.0	202.2	4.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	93%	64%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	10%	4%	0%	77%	35%	0%	2%	0%	0%	87%	52%	0%	0%	0%	100%	0%	0%	0%	37%	50%	0%	53%	51%	50%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	13%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	24%	0%
Other	1%	2%	0%	0%	0%	0%	5%	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
Vegetation/Animal	3%	2%	0%	23%	65%	100%	0%	0%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63%	50%	0%	43%	25%	0%
Weather/Fire/Earthquake	86%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TRIUMPH(16KV) - Customers: 1,491	0.0	0.0	0.0	26.0	1.0	2.0	13.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	68.5	1.3	0.0	68.5	1.3	0.5
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%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	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 Alhambra

	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
WILMAR(4.16KV) - Customers: 963	0.0	0.0	1.0	20.6	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	71%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	29%	98%	0%	0%	0%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WOODWARD(4.16KV) - Customers: 425	104.3	1.1	0.0	0.0	0.0	0.0	13.4	0.2	1.0	19.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	1.0	0.0	
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	93%	88%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%
Operation	7%	12%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%