



Circuit Reliability Review

Lancaster

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 Antelope Valley District

Acton

Desert View Highlands

Edwards Afb

Frazier Park

Lake Los Angeles

Lake Of The Woods

Lancaster

Lebec

Littlerock

Palmdale

Pine Mountain Club

Quartz Hill

Rosamond

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.

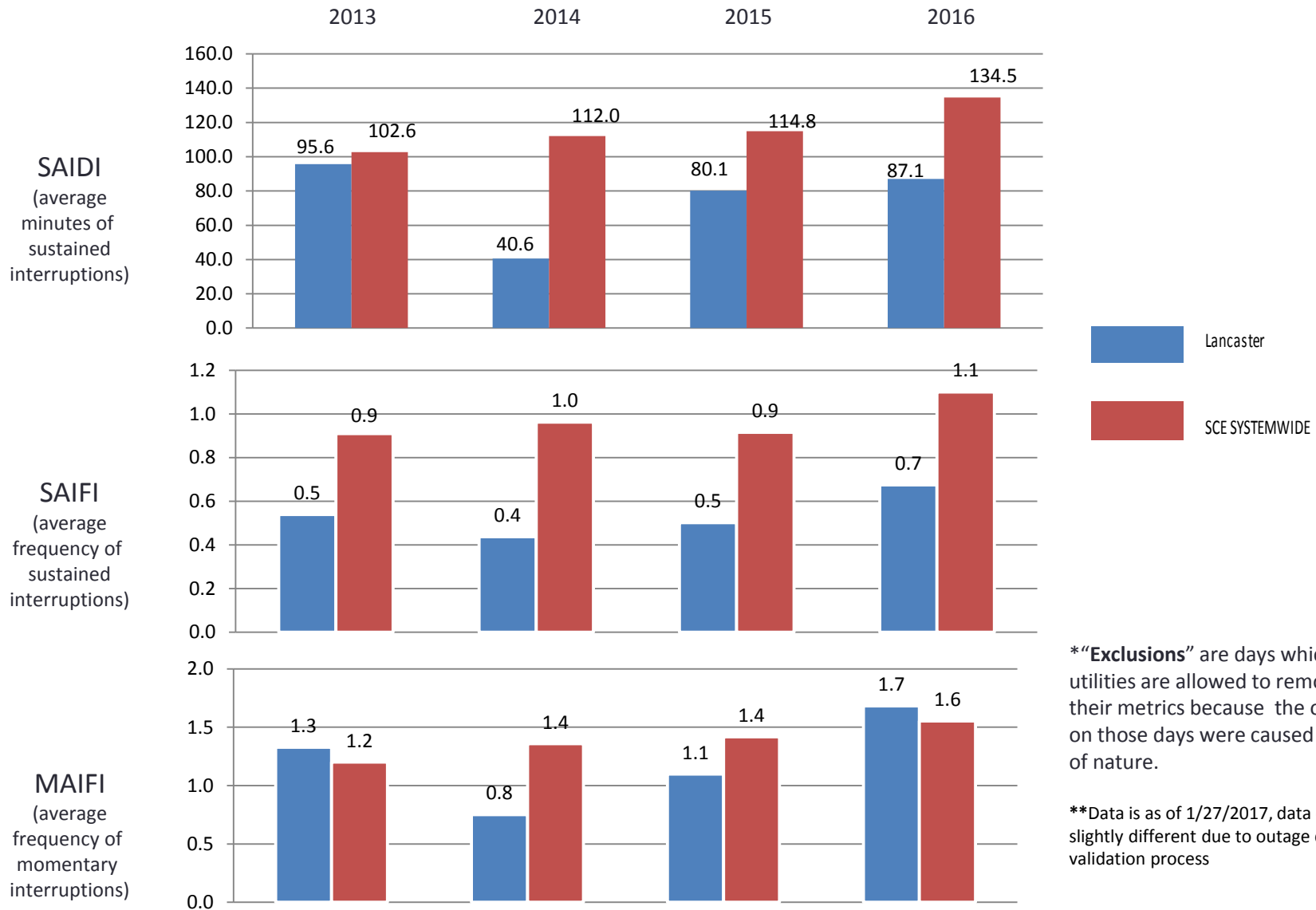
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Lancaster

There are 52 circuits that serve Lancaster

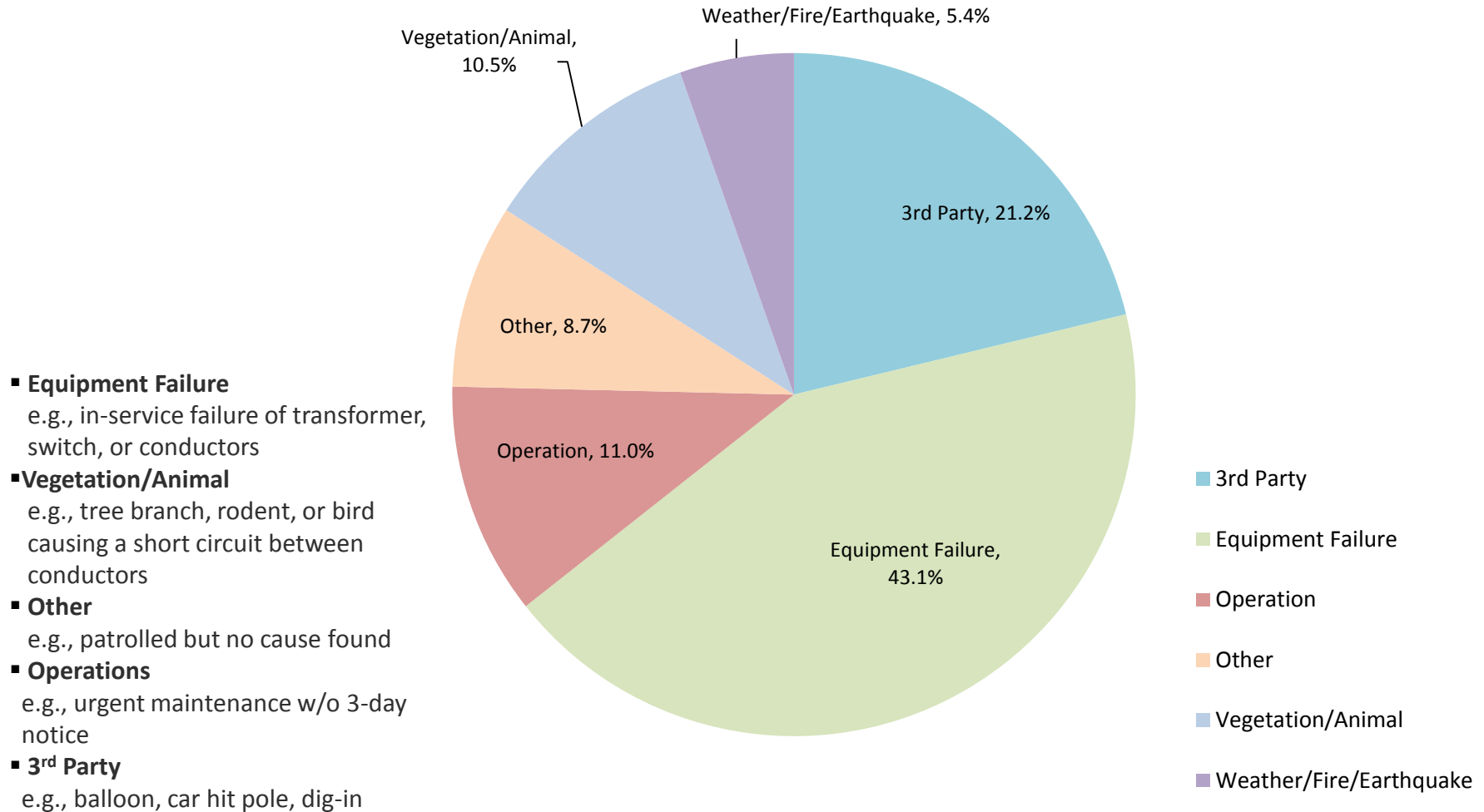
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
AIRPORT(12KV)	1,789	LUPINE(12KV)	488				
ALFALFA(12KV)	269	MAYS(12KV)	667				
ANAKIN(12KV)	1,542	MEDALLION(12KV)	1,222				
ASSEMBLY(12KV)	1,284	MOONGLOW(12KV)	1,302				
CHEWBACCA(12KV)	2,109	MUSEUM(12KV)	88				
CROWDER(12KV)	2,522	OBAN(12KV)	2,090				
DESERT(4.16KV)	286	PETAN(12KV)	1,002				
DWEEZIL(12KV)	1,104	PHILLIPS(12KV)	1,477				
ELM(4.16KV)	226	PRONGHORN(12KV)	873				
ENDOR(12KV)	866	QUEENSLAND(12KV)	2,040				
FAIRMONT(12KV)	55	SCRAPPER(12KV)	1,610				
FARMS(12KV)	2,368	SNOWDEN(12KV)	127				
FORAGE(12KV)	168	STEALTH(12KV)	2,400				
FORCE(12KV)	2,259	TARGET(12KV)	812				
GODDE(12KV)	1,759	THUNDERBOLT(12KV)	1,825				
GRUBSTAKE(12KV)	392	TIERRA BONITA(12KV)	18				
HAN SOLO(12KV)	1,002	TOMCAT(12KV)	2,238				
HANGER(12KV)	93	TROPICO(12KV)	1,247				
HEIGHTS(12KV)	2,497	WHIP(12KV)	1,770				
HUGHES LAKE(12KV)	1,206	YODA(12KV)	799				
INVENTION(12KV)	1,986	YUCCA(4.16KV)	383				
JACKMAN(12KV)	2,665	ZAPPA(12KV)	1,951				
JEDI(12KV)	1,972						
JOSHUA(12KV)	1,688						
KEEFER(12KV)	1,594						
KINGTREE(12KV)	2,616						
KONOBIE(12KV)	1,641						
LARIAT(12KV)	1,890						
LEIA(12KV)	1,609						
LLOYD(12KV)	975						
Grand Total	68,861						

Reliability History of Circuits Serving Lancaster (No Exclusions)



Causes of Repair Outages in Lancaster Circuits 2016 YTD

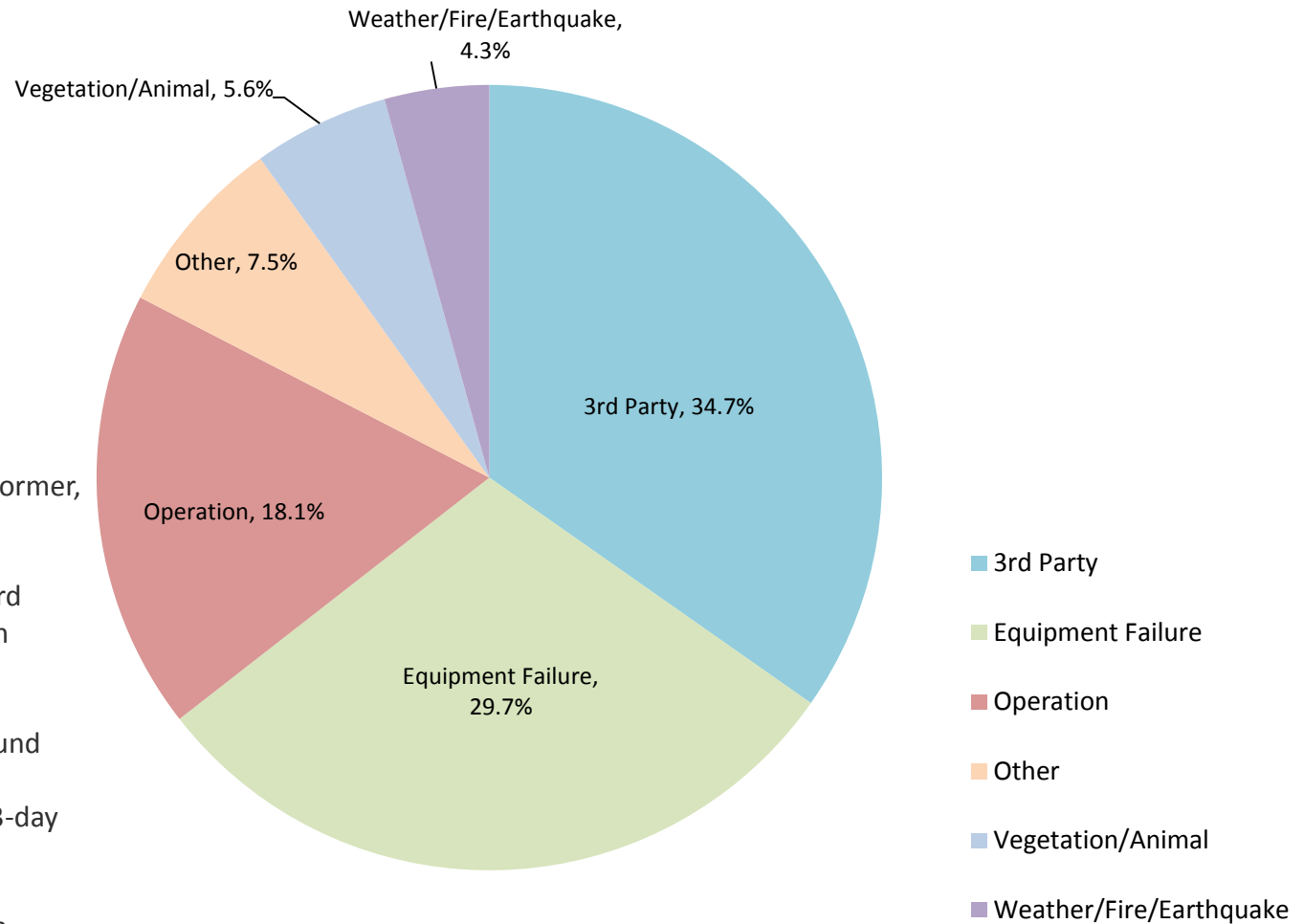
Contributions to SAIDI by Outage Cause



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

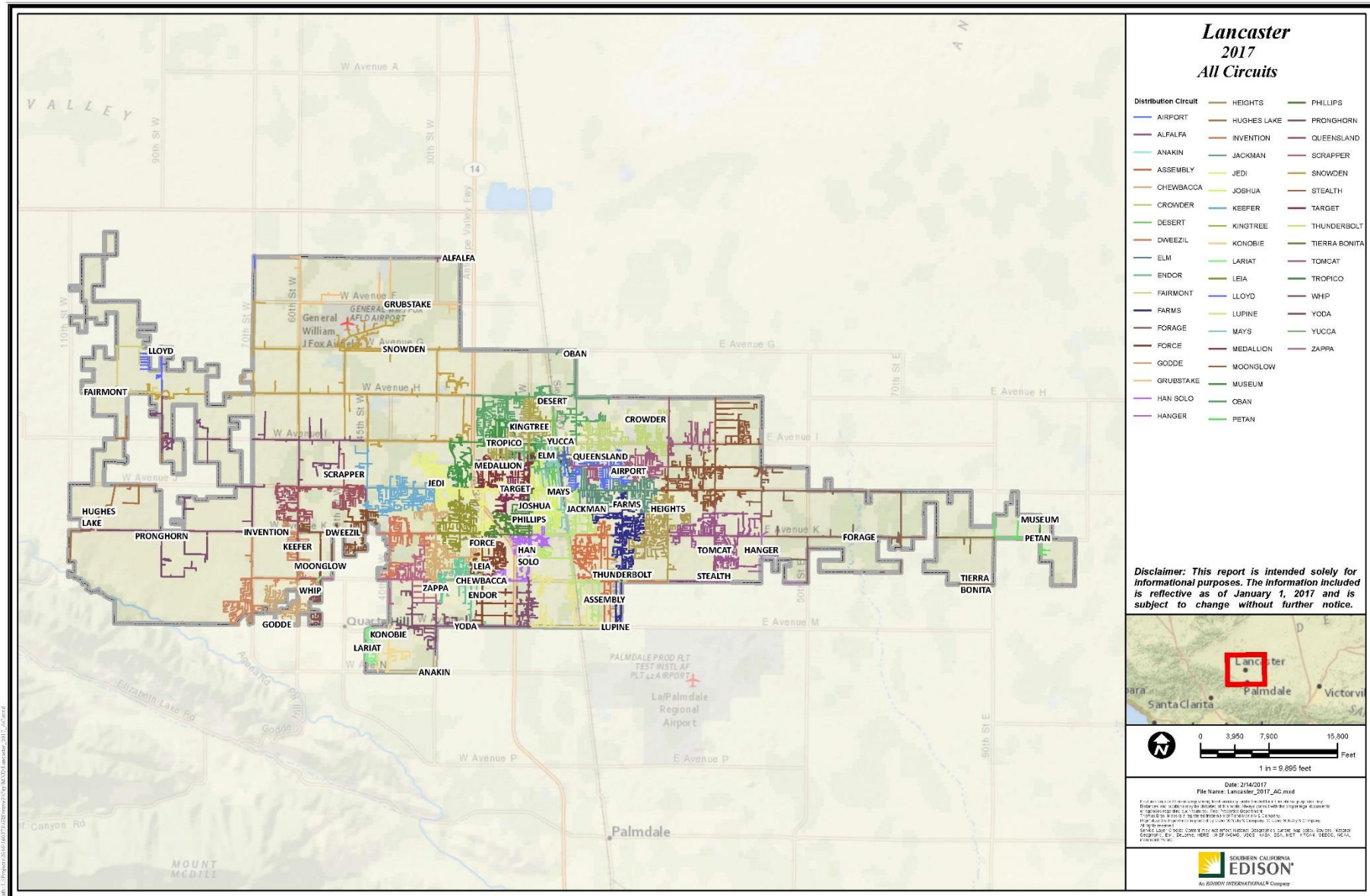
Causes of Repair Outages in Lancaster Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



- **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
- **3rd Party**
e.g., balloon, car hit pole, dig-in

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





Back-up Slides

Reliability Histories of Circuits Serving Lancaster

Updated through Year-End 2016

Average Reliability of 52 Circuits Serving Lancaster

	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
Lancaster	95.6	0.5	1.3	40.6	0.4	0.8	80.1	0.5	1.1	16.6	0.2	1.0	35.5	0.2	0.3	19.1	0.2	0.2	15.9	0.2	0.2	87.1	0.7	1.7
3rd Party	7%	19%	27%	27%	34%	32%	9%	20%	14%	17%	38%	14%	10%	21%	18%	54%	65%	20%	10%	15%	38%	21%	35%	18%
Equipment Failure	29%	28%	23%	39%	41%	11%	52%	36%	15%	11%	1%	4%	61%	43%	20%	34%	25%	39%	49%	47%	17%	43%	30%	12%
Operation	17%	24%	8%	14%	7%	1%	20%	22%	3%	27%	23%	12%	6%	26%	13%	11%	10%	14%	7%	14%	4%	11%	18%	11%
Other	7%	13%	17%	13%	9%	38%	14%	17%	42%	20%	9%	70%	0%	0%	20%	1%	1%	12%	26%	21%	28%	9%	8%	50%
Vegetation/Animal	1%	2%	19%	2%	6%	11%	0%	0%	20%	5%	13%	0%	23%	10%	28%	0%	0%	15%	0%	0%	0%	11%	6%	6%
Weather/Fire/Earthquake	38%	13%	7%	5%	3%	6%	4%	5%	6%	20%	16%	0%	0%	0%	1%	0%	0%	0%	8%	3%	13%	5%	4%	2%
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 Lancaster

	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
AIRPORT(12KV) - Customers: 1,789	9.9	0.0	2.1	14.6	0.1	1.0	9.1	0.0	1.0	0.3	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.6	0.0	4.0
3rd Party	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	100%	81%	53%	50%
Equipment Failure	0%	0%	0%	6%	8%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	9%	94%	92%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	47%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	100%	100%	91%	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%
ALFALFA(12KV) - Customers: 269	198.2	1.9	1.0	108.4	1.0	1.1	353.5	2.8	1.3	0.0	0.0	1.0	69.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.2	1.0	1.0
3rd Party	51%	50%	0%	0%	0%	0%	17%	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	49%	50%	7%	86%	87%	18%	5%	8%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	4%	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	93%	0%	0%	0%	75%	31%	86%	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%	14%	13%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ANAKIN(12KV) - Customers: 1,542	4.1	0.0	0.2	175.1	1.4	2.8	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	100%	100%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	100%	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%	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%
ASSEMBLY(12KV) - Customers: 1,284	9.6	0.0	0.0	2.1	0.0	1.0	7.5	0.1	0.0	8.0	0.1	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	15.4	0.1	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	12%	0%
Equipment Failure	100%	100%	0%	100%	100%	100%	18%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	80%	0%	0%	0%	0%	80%	86%	0%	0%	0%	0%	86%	82%	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%	82%	87%	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%	20%	14%	0%	0%	0%	0%	9%	6%	0%

Reliability Histories for Individual Circuits Serving Lancaster

	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
CHEWBACCA(12KV) - Customers: 2,109	0.0	0.0	0.0	86.1	1.4	0.0	1.8	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.2	0.8	0.0	0.0	0.0	20.9	0.2	0.8
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	98%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	100%
Operation	0%	0%	0%	2%	2%	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%	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%
CROWDER(12KV) - Customers: 2,522	30.2	0.2	1.0	32.7	0.1	0.0	10.4	0.1	2.0	35.6	1.0	5.0	529.2	1.0	0.5	142.5	1.0	0.0	0.0	0.0	0.0	707.3	3.0	5.4
3rd Party	0%	0%	0%	30%	17%	0%	32%	62%	0%	100%	100%	40%	7%	53%	100%	97%	98%	0%	0%	0%	0%	30%	84%	45%
Equipment Failure	58%	72%	0%	51%	47%	0%	6%	2%	100%	0%	0%	20%	92%	45%	0%	0%	0%	0%	0%	0%	0%	69%	15%	18%
Operation	38%	27%	0%	18%	36%	0%	62%	36%	0%	0%	0%	0%	0%	1%	0%	3%	2%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%
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	4%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DESERT(4.16KV) - Customers: 286	71.7	1.0	2.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	7.8	0.0	2.1
3rd Party	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	50%	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%	50%	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%	50%	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%
DWEEZIL(12KV) - Customers: 1,104	0.0	0.0	1.0	68.7	0.4	0.0	20.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	10.9	0.0	0.0	24.4	0.1	0.0
3rd Party	0%	0%	100%	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%	33%	22%	0%	55%	34%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	0%	0%	67%	78%	0%	45%	66%	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 Lancaster

	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
ELM(4.16KV) - Customers: 226	28.0	0.1	0.9	0.0	0.0	0.0	78.1	1.0	0.0	221.5	1.1	1.9	0.0	0.0	1.0	85.9	1.0	0.0	0.0	0.0	0.0	307.4	2.0	2.9
3rd Party	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	21%	7%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	43%	52%	0%
Operation	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	79%	93%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	48%	65%
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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	35%
ENDOR(12KV) - Customers: 866	595.8	1.3	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	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%	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%	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%
FAIRMONT(12KV) - Customers: 55	213.5	2.0	0.5	6.7	0.5	2.4	334.8	1.0	6.5	106.5	0.9	0.9	230.7	1.5	1.4	41.5	1.0	0.0	253.6	2.7	0.5	632.3	6.1	2.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	99%	100%	100%	100%	0%	43%	56%	100%	60%	65%	68%
Equipment Failure	1%	1%	0%	0%	0%	82%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	44%	0%	23%	19%	0%
Operation	19%	25%	0%	0%	0%	0%	0%	0%	0%	42%	49%	50%	1%	1%	0%	0%	0%	0%	0%	0%	0%	7%	8%	16%
Other	0%	0%	0%	0%	0%	0%	62%	49%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	100%	100%	18%	0%	0%	0%	58%	51%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	8%	16%
Weather/Fire/Earthquake	81%	74%	100%	0%	0%	0%	34%	49%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FARMS(12KV) - Customers: 2,368	188.2	1.2	0.0	32.7	0.2	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	65.1	0.7	1.3	0.8	0.0	0.0	65.9	0.8	1.3
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	36%	16%	0%	9%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	96%	100%	0%	0%	0%	96%	95%	100%
Operation	0%	0%	0%	91%	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	4%	0%	100%	100%	0%	4%	5%	0%
Other	64%	84%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Lancaster

	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
FORAGE(12KV) - Customers: 168	115.6	1.3	0.0	214.6	1.2	1.5	225.0	1.4	2.9	0.0	0.0	0.0	10.4	0.3	0.0	1.6	0.0	0.0	0.0	0.0	0.0	12.0	0.3	0.0
3rd Party	72%	81%	0%	0%	0%	0%	2%	1%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	21%	11%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	13%	2%	0%
Operation	0%	0%	0%	22%	16%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	87%	98%	0%
Other	0%	0%	0%	0%	0%	0%	23%	22%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	8%	9%	0%	0%	0%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	78%	84%	34%	71%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FORCE(12KV) - Customers: 2,259	30.3	0.2	0.0	34.2	1.0	1.0	34.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0	0.0	0.0	1.2	0.0	0.0
3rd Party	0%	0%	0%	100%	100%	100%	70%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	83%	84%	0%
Equipment Failure	95%	98%	0%	0%	0%	0%	30%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	17%	16%	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	5%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GODDE(12KV) - Customers: 1,759	104.1	1.1	2.0	47.3	0.2	2.0	3.2	0.0	0.0	154.1	0.4	0.6	5.6	0.0	0.0	10.1	0.0	0.0	36.7	0.1	0.0	206.5	0.6	0.6
3rd Party	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	31%	11%	0%	99%	99%	51%	0%	0%	0%	35%	11%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	29%	15%	0%
Operation	0%	0%	0%	1%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	76%	50%	0%	18%	14%	0%
Other	69%	89%	50%	0%	0%	49%	0%	0%	0%	65%	89%	100%	0%	0%	0%	0%	0%	0%	24%	50%	0%	53%	71%	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%
GRUBSTAKE(12KV) - Customers: 392	161.4	1.9	2.4	138.3	0.8	0.9	791.9	3.8	3.9	60.6	0.1	0.4	11.9	0.1	0.0	28.5	0.2	0.0	0.0	0.0	0.0	101.1	0.4	0.4
3rd Party	0%	0%	0%	0%	0%	0%	5%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	84%	55%	82%	0%	0%	0%	3%	8%	8%	86%	73%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	52%	21%	40%
Operation	2%	17%	0%	32%	27%	0%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	5%	11%	18%	60%	37%	67%	88%	81%	66%	0%	0%	60%	100%	100%	0%	100%	100%	0%	0%	0%	0%	40%	72%	60%
Vegetation/Animal	9%	17%	0%	9%	36%	33%	0%	0%	26%	14%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	8%	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 Lancaster

	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
HAN SOLO(12KV) - Customers: 1,002	13.2	1.0	1.0	0.5	0.0	0.0	36.5	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	99%	100%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	1%	0%	100%	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%	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%
HANGER(12KV) - Customers: 93	128.2	1.9	0.0	256.2	1.0	8.0	51.7	0.2	2.6	22.4	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.2	23.9	0.2	1.0
3rd Party	32%	53%	0%	2%	1%	37%	5%	3%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	26%
Equipment Failure	5%	1%	0%	98%	98%	25%	93%	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	1%	0%	1%	7%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	74%
Other	0%	0%	0%	0%	0%	38%	0%	0%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	63%	46%	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%
HEIGHTS(12KV) - Customers: 2,497	20.0	0.0	0.0	34.3	0.7	0.0	3.8	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	19.6	0.1	0.0	7.0	0.6	0.0	28.7	0.7	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	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	7%	4%	0%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	93%	96%	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%
HUGHES LAKE(12KV) - Customers: 1,206	1497.2	2.0	1.4	70.5	0.7	1.0	309.1	3.5	2.9	54.9	0.7	0.0	19.5	0.0	0.6	30.2	0.4	0.2	164.8	0.4	0.3	269.5	1.5	1.1
3rd Party	0%	0%	0%	0%	0%	0%	19%	14%	54%	33%	86%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	18%	63%	0%
Equipment Failure	0%	0%	0%	100%	100%	1%	64%	26%	1%	0%	0%	0%	3%	4%	64%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Operation	2%	4%	11%	0%	0%	0%	3%	28%	0%	67%	14%	0%	97%	96%	0%	0%	0%	0%	4%	5%	0%	23%	10%	0%
Other	3%	22%	89%	0%	0%	0%	2%	20%	46%	0%	0%	0%	0%	0%	36%	0%	0%	0%	81%	47%	38%	50%	13%	30%
Vegetation/Animal	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	18%
Weather/Fire/Earthquake	95%	73%	0%	0%	0%	0%	14%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	15%	47%	62%	9%	14%	18%

Reliability Histories for Individual Circuits Serving Lancaster

	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
INVENTION(12KV) - Customers: 1,986	20.9	0.1	2.9	27.7	0.6	0.5	31.1	1.1	0.0	0.0	0.0	0.0	4.0	0.0	1.0	4.0	0.0	0.0	40.7	1.0	0.0	48.7	1.0	1.0
3rd Party	3%	3%	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	97%	97%	31%	0%	0%	0%	60%	94%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	84%	96%	0%
Operation	0%	0%	0%	26%	8%	0%	40%	6%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	16%	4%	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%	74%	92%	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%
JACKMAN(12KV) - Customers: 2,665	260.9	2.1	2.6	4.3	0.0	0.0	9.6	0.1	0.0	88.6	0.7	5.1	3.2	0.1	0.0	0.0	0.0	0.0	6.8	0.0	0.0	98.6	0.8	5.1
3rd Party	16%	32%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	81%	64%	50%	0%	0%	0%	94%	72%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	7%	3%	0%
Operation	3%	3%	0%	100%	100%	0%	6%	28%	0%	100%	100%	61%	100%	100%	0%	0%	0%	0%	0%	0%	0%	93%	97%	61%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39%
Vegetation/Animal	1%	1%	38%	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%
JEDI(12KV) - Customers: 1,972	0.0	0.0	2.0	85.4	2.0	1.0	470.8	0.9	1.5	0.0	0.0	0.0	13.2	0.1	0.0	62.1	1.2	0.2	0.0	0.0	0.0	75.3	1.3	0.2
3rd Party	0%	0%	0%	60%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	82%	94%	100%
Equipment Failure	0%	0%	0%	40%	50%	0%	100%	98%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	18%	6%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	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%
JOSHUA(12KV) - Customers: 1,688	10.4	0.1	1.0	0.0	0.0	0.0	169.2	1.0	0.3	140.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	142.9	0.7	1.7	282.8	1.7	3.7
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%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	20%	50%	42%	9%
Operation	0%	0%	0%	0%	0%	0%	98%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	9%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%
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%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	60%	50%	58%	28%

Reliability Histories for Individual Circuits Serving Lancaster

	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
KEEFER(12KV) - Customers: 1,594	20.4	0.2	1.9	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	0.0
3rd Party	0%	0%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	86%	0%	0%	0%	0%	0%	0%	0%	92%	86%	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	16%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	14%	0%	0%	0%	0%	0%	0%	0%	8%	14%	0%
Other	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	84%	84%	47%	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%
KINGTREE(12KV) - Customers: 2,616	3.4	0.0	1.0	51.8	1.0	0.0	4.8	0.0	0.0	0.0	0.0	2.0	174.5	0.4	1.6	9.5	0.0	0.0	0.0	0.0	0.0	183.9	0.4	3.6
3rd Party	13%	79%	0%	73%	95%	0%	37%	56%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	83%	18%	100%	19%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	85%	0%	0%	0%	0%	5%	5%	0%
Operation	4%	3%	0%	4%	1%	0%	63%	44%	0%	0%	0%	0%	0%	0%	0%	0%	15%	0%	0%	0%	0%	0%	1%	0%
Other	0%	0%	0%	3%	2%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	95%	94%	45%
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%
KONOBIE(12KV) - Customers: 1,641	331.6	2.2	3.0	13.0	0.1	2.0	14.8	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.5	0.0	1.0
3rd Party	8%	47%	33%	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%	16%	20%	0%	11%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	91%	53%	67%	60%	63%	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%	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%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	100%
Weather/Fire/Earthquake	0%	0%	0%	24%	17%	50%	89%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LARIAT(12KV) - Customers: 1,890	13.7	0.4	2.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
3rd Party	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	3%	1%	0%	0%	0%	0%	98%	92%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	97%	99%	50%	0%	0%	0%	2%	8%	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 Lancaster

	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
LEIA(12KV) - Customers: 1,609	75.1	1.1	3.0	8.4	0.1	1.0	0.2	0.0	1.0	3.2	0.0	2.8	11.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.1	3.7
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	49%	11%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	6%	75%
Equipment Failure	31%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	78%	50%	25%
Operation	1%	1%	0%	58%	51%	0%	100%	100%	0%	2%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	6%	0%
Other	0%	0%	0%	42%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	33%	0%	0%	100%	0%	0%	100%	49%	77%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	39%	0%
Weather/Fire/Earthquake	69%	93%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LLOYD(12KV) - Customers: 975	7.8	0.1	0.0	145.8	1.9	2.3	854.8	4.0	2.6	4.8	0.0	0.0	0.0	0.0	0.0	96.6	0.6	0.0	0.0	0.0	0.0	101.4	0.6	0.0
3rd Party	0%	0%	0%	0%	0%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	35%	50%	0%	0%	0%	0%	33%	49%	0%
Equipment Failure	71%	32%	0%	92%	63%	27%	6%	33%	0%	20%	9%	0%	0%	0%	0%	65%	50%	100%	0%	0%	0%	63%	49%	100%
Operation	23%	64%	0%	1%	1%	0%	67%	33%	0%	18%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	2%	0%	0%	27%	34%	88%	62%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	1%	0%
Vegetation/Animal	6%	4%	0%	6%	36%	43%	0%	0%	12%	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%
LUPINE(12KV) - Customers: 488	7.4	0.6	0.0	5.8	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.8	0.1	0.0	40.8	0.1	0.0
3rd Party	0%	0%	0%	100%	100%	100%	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%	100%	100%	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%
MAYS(12KV) - Customers: 667	91.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	0.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	0.1	2.0
3rd Party	0%	0%	50%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	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%	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%	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 Lancaster

	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
MEDALLION(12KV) - Customers: 1,222	0.0	0.0	1.0	12.6	0.0	1.0	26.8	1.0	1.0	0.0	0.0	2.0	51.1	1.0	0.0	130.1	1.0	0.0	0.0	0.0	0.0	181.2	2.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	72%	50%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	99%	0%	0%	0%	0%	0%	0%	0%	28%	50%	0%
Operation	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
MOONGLOW(12KV) - Customers: 1,302	0.0	0.0	1.0	2.9	0.0	1.0	33.5	0.7	1.7	30.6	1.0	1.0	2.3	0.0	0.0	0.0	0.0	1.0	127.7	1.2	2.5	160.6	2.2	4.5
3rd Party	0%	0%	100%	0%	0%	100%	2%	1%	61%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	22%
Equipment Failure	0%	0%	0%	63%	74%	0%	10%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	13%	60%	13%	7%	34%
Operation	0%	0%	0%	37%	26%	0%	88%	93%	39%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	47%	83%	40%	38%	46%	44%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	1%	1%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	44%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	4%	0%	29%	2%	0%
MUSEUM(12KV) - Customers: 88	0.0	0.0	0.0	0.0	0.0	1.0	194.7	1.0	4.7	136.5	0.6	1.0	23.0	0.1	1.9	5.6	0.0	0.0	0.0	0.0	0.0	165.1	0.7	2.9
3rd Party	0%	0%	0%	0%	0%	0%	1%	1%	6%	9%	4%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	21%	14%	100%
Equipment Failure	0%	0%	0%	0%	0%	100%	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%	56%	45%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	50%	41%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	42%	24%	45%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	40%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	5%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	99%	99%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
OBAN(12KV) - Customers: 2,090	95.8	1.0	3.6	17.6	0.4	1.3	502.4	0.8	2.3	2.7	0.0	2.0	9.5	0.7	1.0	9.4	0.2	0.0	4.1	0.0	0.0	25.6	1.0	3.0
3rd Party	100%	100%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	16%	0%	0%
Equipment Failure	0%	0%	18%	92%	97%	0%	100%	100%	12%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Operation	0%	0%	0%	8%	3%	0%	0%	0%	0%	0%	0%	0%	97%	100%	100%	100%	100%	0%	0%	0%	0%	73%	99%	33%
Other	0%	0%	55%	0%	0%	76%	0%	0%	44%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%
Vegetation/Animal	0%	0%	0%	0%	0%	24%	0%	0%	44%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	1%	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 Lancaster

	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
PETAN(12KV) - Customers: 1,002	4.1	0.0	3.0	58.7	0.3	3.7	1.9	0.0	3.9	0.0	0.0	0.0	60.9	1.0	1.0	75.6	0.2	0.0	3.0	0.0	1.0	139.5	1.2	2.0
3rd Party	0%	0%	0%	0%	0%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	2%	0%	52%
Equipment Failure	68%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	7%	0%	82%	57%	0%	0%	0%	0%	53%	15%	0%
Operation	6%	33%	0%	100%	100%	19%	7%	8%	0%	0%	0%	0%	80%	93%	0%	18%	43%	0%	0%	0%	0%	45%	85%	0%
Other	0%	0%	33%	0%	0%	27%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	48%
Vegetation/Animal	26%	44%	0%	0%	0%	0%	93%	92%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PHILLIPS(12KV) - Customers: 1,477	0.0	0.0	1.9	146.2	1.0	3.9	173.9	1.0	5.9	0.0	0.0	2.0	78.8	0.1	0.9	2.7	0.0	1.0	0.1	0.0	0.0	81.6	0.2	3.9
3rd Party	0%	0%	0%	0%	0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	3%	18%	0%
Equipment Failure	0%	0%	50%	2%	1%	0%	10%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	5%	0%
Other	0%	0%	50%	98%	99%	100%	89%	95%	67%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	78%
Vegetation/Animal	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	97%	77%	22%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PRONGHORN(12KV) - Customers: 873	730.4	1.7	2.0	245.3	2.6	2.5	116.1	1.0	7.8	72.0	0.8	2.0	2.4	0.1	1.5	23.5	0.0	0.0	89.7	1.8	2.9	187.6	2.8	6.4
3rd Party	0%	0%	0%	30%	33%	0%	1%	1%	13%	100%	100%	0%	0%	0%	0%	0%	0%	0%	61%	46%	0%	67%	60%	0%
Equipment Failure	1%	2%	100%	23%	33%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	99%	94%	0%	0%	0%	0%	12%	1%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	34%	0%	0%	0%	0%	0%	0%	1%	3%	8%
Other	0%	0%	0%	0%	0%	66%	0%	0%	75%	0%	0%	100%	0%	0%	66%	1%	6%	0%	39%	54%	100%	19%	36%	92%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	99%	98%	0%	47%	33%	34%	98%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QUEENSLAND(12KV) - Customers: 2,040	97.0	1.0	1.0	0.2	0.0	0.0	71.8	1.1	0.0	0.0	0.0	2.0	31.7	1.0	1.0	0.2	0.0	0.0	0.0	0.0	0.0	31.8	1.0	3.0
3rd Party	1%	1%	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%	0%	59%	94%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	33%
Operation	99%	99%	0%	0%	0%	0%	41%	6%	0%	0%	0%	0%	0%	0%	0%	100%	100%	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%	67%
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 Lancaster

	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
SCRAPPER(12KV) - Customers: 1,610	5.8	0.1	1.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	14.0	0.1	0.0
3rd Party	0%	0%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	71%	48%	0%
Operation	99%	99%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	29%	52%	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%
SNOWDEN(12KV) - Customers: 127	78.8	1.3	3.0	119.1	1.1	1.0	125.6	1.8	1.0	0.0	0.0	0.0	37.7	0.1	2.1	0.0	0.0	0.0	10.3	0.0	0.0	48.1	0.1	2.1
3rd Party	57%	80%	33%	0%	0%	0%	89%	99%	4%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	1%	1%	0%	99%	99%	100%	0%	0%	0%	0%	0%	0%	10%	20%	0%	0%	0%	0%	100%	100%	0%	29%	43%	0%
Operation	0%	0%	0%	1%	1%	0%	0%	0%	1%	0%	0%	0%	90%	80%	0%	0%	0%	0%	0%	0%	0%	71%	57%	0%
Other	39%	18%	67%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	3%	2%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	6%	0%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
STEALTH(12KV) - Customers: 2,400	14.8	1.0	1.0	5.9	0.0	0.0	29.1	0.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9	0.0	0.0
3rd Party	0%	0%	100%	0%	0%	0%	65%	88%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	34%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	0%	0%	0%	100%	1%	2%	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%	100%	100%	0%	0%	0%	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%
TARGET(12KV) - Customers: 812	0.0	0.0	4.0	151.9	1.1	0.6	196.1	2.1	1.0	0.0	0.0	2.0	151.0	1.3	0.0	10.8	1.0	1.0	48.4	1.0	0.0	210.2	3.3	3.0
3rd Party	0%	0%	0%	0%	0%	0%	64%	48%	0%	0%	0%	0%	100%	100%	0%	100%	100%	100%	96%	99%	0%	99%	100%	33%
Equipment Failure	0%	0%	50%	8%	2%	0%	23%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	8%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	1%	0%	1%	0%	0%
Other	0%	0%	0%	84%	91%	100%	13%	49%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%
Vegetation/Animal	0%	0%	50%	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 Lancaster

	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
THUNDERBOLT(12KV) - Customers: 1,825	149.8	0.6	0.0	116.9	0.7	1.5	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	63%	66%	100%	93%	98%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	4%	2%	0%	26%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	96%	98%	0%	11%	8%	0%	7%	2%	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%
TIERRA BONITA(12KV) - Customers: 18	0.0	0.0	1.0	33.0	1.0	3.0	197.0	0.4	1.2	164.8	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	133.3	0.2	1.0	298.1	1.1	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	45%	15%	34%
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%	100%	0%	0%	100%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	55%	85%	66%
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%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TOMCAT(12KV) - Customers: 2,238	0.0	0.0	0.0	9.1	0.1	0.0	69.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	88%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	55%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	45%	64%	0%	12%	5%	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%
TROPICO(12KV) - Customers: 1,247	105.0	1.0	2.3	11.8	0.1	0.0	120.3	1.0	2.2	0.0	0.0	2.0	9.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.1	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	100%	0%	0%	0%	92%	96%	55%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	100%	100%	0%	8%	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%	45%	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%

Reliability Histories for Individual Circuits Serving Lancaster

	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
WHIP(12KV) - Customers: 1,770	2.2	0.0	1.0	0.2	0.0	0.0	10.1	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	72.4	1.0	0.0	72.4	1.0	1.0
3rd Party	9%	11%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	91%	89%	0%	0%	0%	0%	52%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	48%	34%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
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%
YODA(12KV) - Customers: 799	0.8	0.0	1.0	0.0	0.0	0.0	0.3	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	1.0	0.0	0.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	100%	100%	100%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
YUCCA(4.16KV) - Customers: 383	4.5	0.1	1.0	0.0	0.0	0.0	181.2	1.0	0.0	11.9	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	1.0	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	100%	100%	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%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
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%
ZAPPA(12KV) - Customers: 1,951	22.0	0.1	1.0	0.4	0.0	0.0	14.1	0.0	1.0	0.0	0.0	0.0	7.8	0.1	1.0	13.5	0.0	0.0	0.0	0.0	0.0	21.3	0.1	1.0
3rd Party	0%	0%	100%	0%	0%	0%	19%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	92%	78%	0%	100%	100%	0%	65%	42%	0%	0%	0%	0%	0%	0%	0%	98%	74%	0%	0%	0%	0%	62%	29%	0%
Operation	8%	22%	0%	0%	0%	0%	17%	42%	0%	0%	0%	0%	100%	100%	0%	2%	26%	0%	0%	0%	0%	38%	71%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%