



Circuit Reliability Review

Tulare District 5

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 San Joaquin Region

Armona

City of Tulare

County of Tulare

Delano

Ducor

Earlimart

East Porterville

Exeter

Farmersville

Goshen

Hanford

Ivanhoe

Lemon Cove

Lindsay

Mcfarland

Pixley

Poplar-Cotton Center

Porterville

Richgrove

Springville

Strathmore

Terra Bella

Three Rivers

Tipton

Tulare

Visalia

Woodlake

Woodville

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.

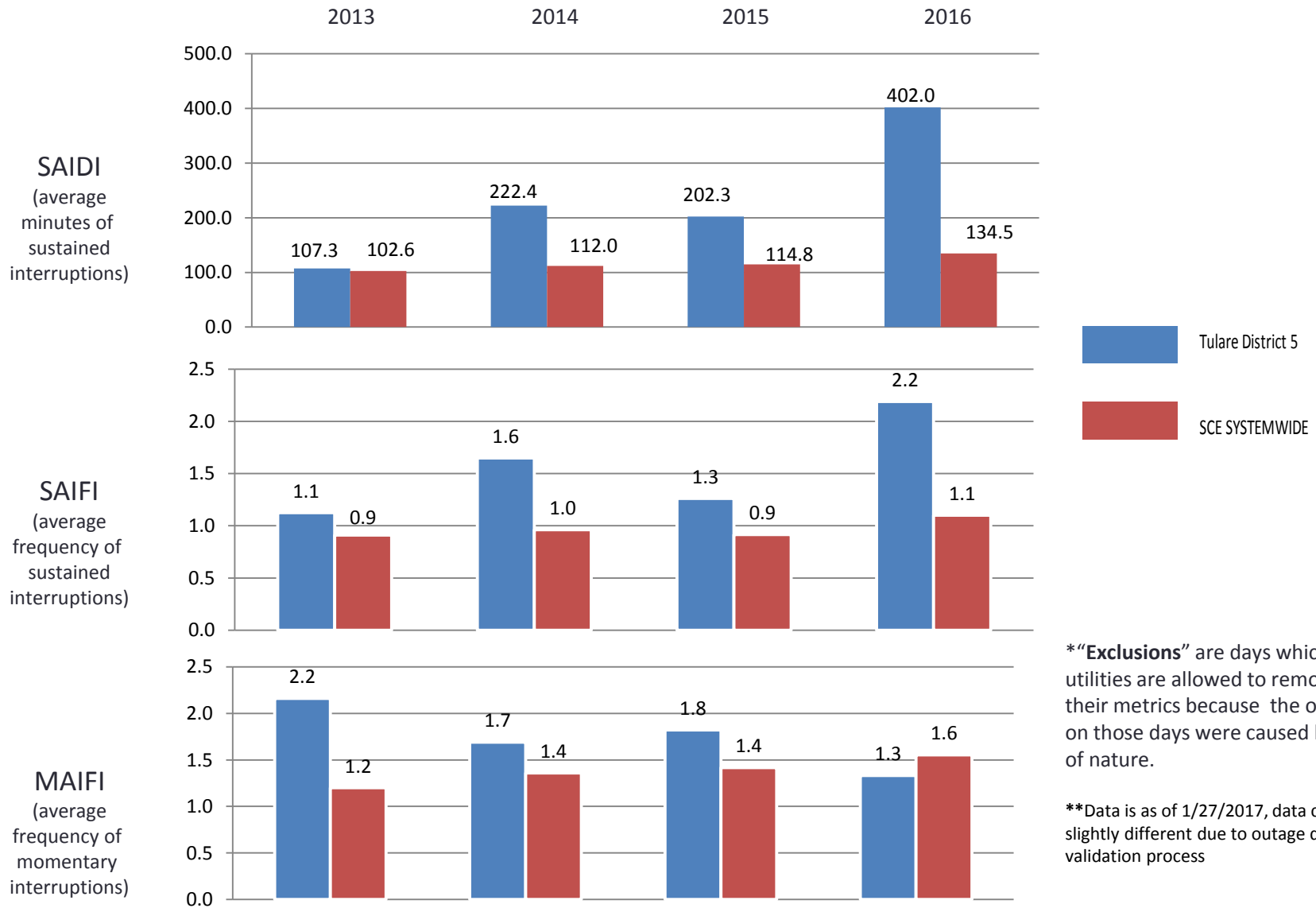
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Tulare District 5

There are 47 circuits that serve Tulare District 5

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
BEATTIE(12KV)	1,322	MONACHE(12KV)	1,129				
BEAVER(12KV)	164	POSO PARK(2.4KV)	49				
BOWEN(12KV)	878	PRATT(12KV)	722				
BURTON(12KV)	2,011	RICHGROVE(12KV)	106				
BURUM(12KV)	154	RIECK(12KV)	78				
CAMP NELSON(4.16KV)	694	SAUCELITO(12KV)	136				
CAMPBELL(12KV)	1,993	SKINKLE(12KV)	511				
CAPANERO(2.4KV)	301	SODA SPRINGS(12KV)	822				
CARATAN(12KV)	98	SUCCESS(12KV)	2,328				
CLAMPETT(12KV)	1,577	SUGARLOAF(2.4KV)	125				
CLOER(12KV)	258	SUNSET(12KV)	97				
COUNTS(2.4KV)	47	TEAPOT(12KV)	2,041				
DEER(12KV)	661	VANDALIA(12KV)	1,127				
DUCOR(12KV)	582	WELCH(12KV)	257				
EL MIRADOR(12KV)	818	WORTH(12KV)	940				
ELSTER(12KV)	1,549	ZANTE(12KV)	923				
FLORY(12KV)	699	ZION(12KV)	983				
GOPHER(12KV)	119						
GRANITE(12KV)	2,128						
HATFIELD(12KV)	2,019						
HENDERSON(12KV)	704						
HOSSACK(2.4KV)	99						
HOUSTON(12KV)	108						
INTAKE(12KV)	197						
JOHNSONDALE(4.16KV)	126						
JORDAN(12KV)	1,087						
JOSTEN(12KV)	891						
LANZA(12KV)	508						
MAHOGANY(12KV)	169						
MCCLENNY(2.4KV)	54						
Grand Total	34,389						

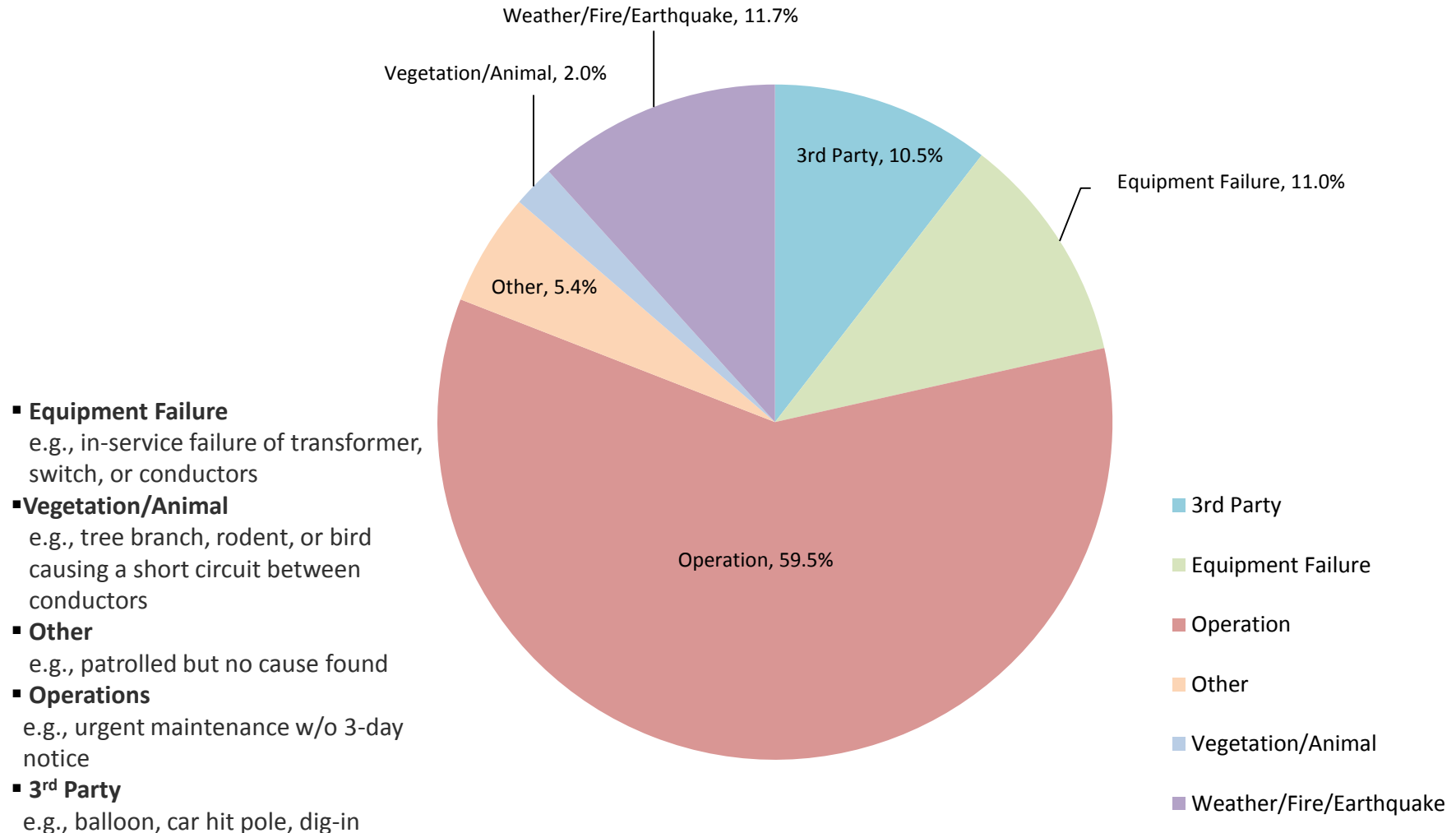
Reliability History of Circuits Serving Tulare District 5 (No Exclusions)



Causes of Repair Outages in Tulare District 5 Circuits

2016 YTD

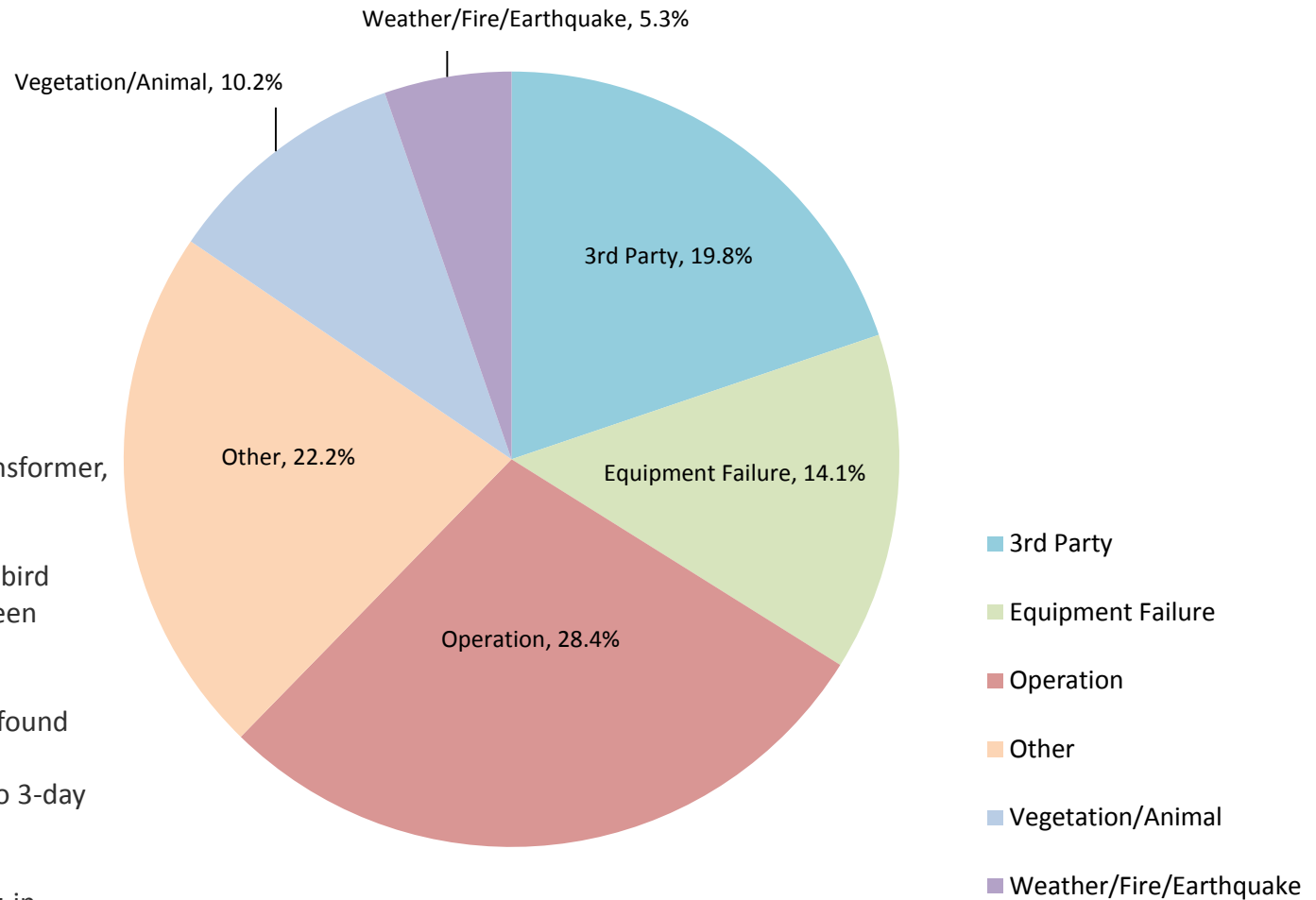
Contributions to SAIDI by Outage Cause



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

Causes of Repair Outages in Tulare District 5 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 Tulare District 5

Updated through Year-End 2016

Average Reliability of 47 Circuits Serving Tulare District 5

	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
Tulare District 5	107.3	1.1	2.2	222.4	1.6	1.7	202.3	1.3	1.8	53.8	0.3	0.4	19.3	0.4	0.1	257.6	0.6	0.3	71.3	0.9	0.5	402.0	2.2	1.3
3rd Party	14%	22%	10%	14%	15%	20%	6%	14%	11%	17%	40%	36%	24%	34%	2%	4%	9%	44%	24%	15%	24%	10%	20%	29%
Equipment Failure	21%	16%	11%	36%	40%	21%	28%	29%	13%	13%	27%	9%	15%	26%	0%	8%	4%	20%	18%	12%	14%	11%	14%	12%
Operation	7%	20%	9%	3%	5%	1%	4%	7%	2%	24%	10%	5%	8%	7%	5%	86%	80%	13%	4%	5%	0%	59%	28%	5%
Other	10%	8%	32%	11%	8%	24%	6%	9%	32%	11%	8%	22%	15%	10%	63%	0%	0%	7%	18%	49%	42%	5%	22%	31%
Vegetation/Animal	12%	14%	32%	0%	4%	9%	1%	2%	8%	0%	0%	0%	10%	21%	20%	1%	7%	17%	4%	12%	11%	2%	10%	10%
Weather/Fire/Earthquake	36%	19%	6%	36%	27%	26%	55%	39%	35%	36%	15%	28%	27%	1%	10%	0%	0%	0%	31%	7%	8%	12%	5%	13%
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 Tulare District 5

	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
BEATTIE(12KV) - Customers: 1,322	0.0	0.0	1.0	316.8	3.0	1.0	88.3	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	75.2	1.0	0.0	0.0	0.0	0.0	75.2	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%	57%	67%	100%	39%	50%	100%	0%	0%	0%	0%	0%	0%	14%	1%	0%	0%	0%	0%	14%	1%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	99%	0%	0%	0%	0%	86%	99%	0%
Weather/Fire/Earthquake	0%	0%	0%	43%	33%	0%	61%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BEAVER(12KV) - Customers: 164	67.0	1.1	0.0	73.5	3.3	0.0	362.1	2.1	1.7	0.0	0.0	0.0	22.9	1.0	1.7	1.0	0.0	0.5	0.0	0.0	0.0	23.9	1.0	2.2
3rd Party	0%	0%	0%	0%	0%	0%	4%	47%	0%	0%	0%	0%	97%	99%	42%	0%	0%	0%	0%	0%	0%	93%	99%	32%
Equipment Failure	99%	100%	0%	50%	59%	0%	12%	2%	42%	0%	0%	0%	3%	1%	0%	100%	100%	0%	0%	0%	0%	7%	1%	0%
Operation	1%	0%	0%	50%	41%	0%	1%	1%	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%	58%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	24%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	58%	0%	0%	0%	0%	0%	0%	0%	0%	44%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	83%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BOWEN(12KV) - Customers: 878	304.9	6.4	5.7	343.7	1.9	0.4	134.8	2.6	0.7	49.5	1.6	0.2	0.5	0.0	0.0	0.7	0.0	0.0	29.2	0.8	1.3	79.9	2.4	1.5
3rd Party	6%	15%	18%	0%	0%	0%	86%	94%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	3%	0%	82%	63%	66%	84%
Equipment Failure	28%	17%	0%	2%	1%	0%	4%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	97%	100%	18%	36%	34%	16%
Operation	11%	34%	0%	2%	4%	0%	5%	2%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Other	26%	15%	39%	1%	1%	0%	6%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	21%	15%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	8%	4%	35%	96%	94%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BURTON(12KV) - Customers: 2,011	181.3	2.8	4.3	62.6	0.8	3.3	42.8	0.9	2.7	1.9	0.0	0.0	0.0	0.0	0.0	22.9	1.0	0.0	96.8	3.5	1.2	121.6	4.5	1.2
3rd Party	61%	37%	0%	79%	84%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	3%	0%	42%	22%	20%	35%	18%	20%
Equipment Failure	0%	0%	23%	12%	14%	0%	100%	100%	19%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	17%	38%	23%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	90%	97%	0%	0%	0%	0%	19%	23%	0%
Other	0%	0%	24%	0%	0%	30%	0%	0%	81%	0%	0%	0%	0%	0%	0%	0%	0%	0%	14%	28%	1%	11%	22%	1%
Vegetation/Animal	21%	26%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	44%	50%	79%	35%	38%	79%
Weather/Fire/Earthquake	0%	0%	0%	10%	2%	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
BURUM(12KV) - Customers: 154	94.7	1.1	0.0	906.4	1.0	0.0	81.5	1.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	17.4	1.0	0.0	0.0	0.0	0.0	17.4	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	59%	80%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	35%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Operation	1%	0%	0%	0%	0%	0%	5%	1%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	64%	95%	0%	100%	100%	0%	36%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CAMP NELSON(4.16KV) - Customers: 694	602.5	1.2	1.0	0.0	0.0	0.0	957.9	2.9	3.5	573.9	2.0	0.0	1.0	0.0	0.0	733.7	2.0	0.0	1363.4	1.2	0.0	2672.1	5.2	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%	77%	69%	15%	27%	67%	0%	0%	0%	0%	0%	0%	0%	31%	33%	0%	22%	33%	0%
Operation	0%	0%	100%	0%	0%	0%	23%	31%	0%	73%	33%	0%	0%	0%	0%	100%	100%	0%	4%	19%	0%	45%	56%	0%
Other	4%	81%	0%	0%	0%	0%	0%	0%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	19%	0%	4%	4%	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	96%	18%	0%	0%	0%	0%	0%	0%	28%	0%	0%	0%	100%	100%	0%	0%	0%	0%	57%	29%	0%	29%	7%	0%
CAMPBELL(12KV) - Customers: 1,993	71.4	1.0	2.0	350.1	2.4	2.0	15.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	20.0	1.0	0.0	11.8	1.0	0.0	33.4	2.0	0.0
3rd Party	0%	0%	50%	44%	42%	0%	0%	0%	0%	69%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
Equipment Failure	98%	100%	0%	9%	11%	100%	88%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	5%	0%	4%	10%	0%	31%	33%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	61%	50%	0%
Other	0%	0%	0%	0%	0%	0%	8%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	35%	50%	0%
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	2%	0%	0%	47%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CAPANERO(2.4KV) - Customers: 301	52.2	0.8	3.0	1197.5	4.0	3.0	479.0	3.0	5.0	0.0	0.0	0.0	20.0	2.0	1.0	1256.4	1.1	1.0	22.0	1.0	2.0	1298.4	4.1	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	0%	0%	0%	91%	50%	0%	5%	1%	0%	0%	0%	0%	70%	50%	0%	98%	88%	0%	100%	100%	0%	98%	72%	0%
Operation	100%	100%	0%	3%	25%	0%	5%	33%	20%	0%	0%	0%	0%	0%	0%	2%	13%	0%	0%	0%	0%	2%	3%	0%
Other	0%	0%	100%	0%	0%	67%	2%	33%	60%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	75%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	20%	0%	0%	0%	30%	50%	0%	0%	0%	100%	0%	0%	0%	0%	24%	25%
Weather/Fire/Earthquake	0%	0%	0%	6%	25%	33%	88%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
CARATAN(12KV) - Customers: 98	43.7	0.1	2.0	962.8	2.1	10.8	1315.6	1.9	5.8	155.7	1.0	0.9	26.1	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	186.1	1.0	0.9
3rd Party	0%	0%	0%	28%	69%	15%	7%	44%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	18%	43%	0%	70%	28%	28%	1%	3%	0%	100%	100%	76%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	76%
Operation	44%	43%	0%	1%	3%	0%	0%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	0%	0%	55%	0%	0%	20%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%
Vegetation/Animal	38%	14%	0%	1%	0%	2%	2%	9%	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%	91%	45%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CLAMPETT(12KV) - Customers: 1,577	4.8	0.6	1.4	29.1	0.1	0.0	15.5	0.0	0.0	0.9	0.0	1.0	0.0	0.0	0.0	20.0	1.0	0.0	12.9	1.0	0.0	33.8	2.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Equipment Failure	0%	0%	0%	82%	72%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	100%	100%	28%	18%	28%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	62%	50%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	38%	50%	0%
Vegetation/Animal	0%	0%	72%	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%
CLOER(12KV) - Customers: 258	31.8	1.1	1.0	18.9	1.0	0.2	62.9	1.0	3.0	28.1	0.1	1.1	3.0	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	31.1	0.1	2.0
3rd Party	12%	5%	0%	0%	0%	0%	4%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	56%	3%	0%	59%	1%	100%	0%	0%	0%	3%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%
Operation	0%	0%	100%	0%	0%	0%	0%	0%	0%	97%	94%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	97%	97%	45%
Other	0%	0%	0%	41%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	32%	93%	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%	96%	100%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%
COUNTS(2.4KV) - Customers: 47	120.6	1.2	1.0	0.0	0.0	0.0	0.0	0.0	4.0	1048.7	1.0	0.0	0.0	0.0	1.0	1022.2	1.4	0.0	0.0	0.0	0.0	2070.9	2.5	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	82%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	17%	0%	0%	0%	0%	5%	10%	0%
Operation	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	83%	0%	0%	0%	0%	44%	49%	0%
Other	18%	84%	0%	0%	0%	0%	0%	0%	50%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	51%	41%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
DEER(12KV) - Customers: 661	130.8	0.8	0.0	420.8	3.2	2.4	274.8	3.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
3rd Party	84%	33%	0%	24%	31%	79%	10%	28%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	12%	34%	0%	43%	60%	0%	21%	28%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	4%	33%	0%	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	0%	0%	0%	33%	8%	11%	9%	28%	30%	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%	60%	15%	53%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DUCOR(12KV) - Customers: 582	66.2	0.5	1.0	213.3	1.7	1.4	345.6	1.7	5.4	68.5	0.6	0.6	25.0	0.0	0.0	2.7	0.0	0.0	9.4	0.6	1.5	105.7	1.2	2.1
3rd Party	12%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	3%	1%	0%	57%	98%	69%	3%	1%	0%	2%	0%	0%	100%	100%	0%	94%	86%	0%	0%	0%	0%	27%	4%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	98%	93%	0%	0%	0%	6%	14%	0%	0%	0%	0%	60%	47%	25%
Other	0%	0%	4%	43%	2%	31%	5%	1%	2%	7%	2%	7%	0%	0%	0%	0%	0%	0%	100%	100%	100%	13%	49%	75%
Vegetation/Animal	6%	3%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	79%	92%	96%	0%	0%	0%	91%	98%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
EL MIRADOR(12KV) - Customers: 818	148.2	1.8	4.6	154.4	1.6	2.0	272.5	1.9	3.6	14.9	0.2	0.2	6.9	0.0	0.0	0.8	0.0	0.0	62.7	1.5	0.7	85.2	1.8	0.9
3rd Party	0%	4%	20%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	12%	0%	21%	10%	0%
Equipment Failure	36%	21%	8%	14%	16%	0%	24%	12%	3%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	9%	2%	0%
Operation	26%	9%	0%	0%	0%	0%	9%	3%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	67%	0%	12%	56%	0%
Other	0%	0%	30%	86%	84%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	27%
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	38%	65%	43%	0%	0%	0%	67%	86%	90%	100%	100%	0%	0%	0%	0%	0%	0%	0%	55%	21%	100%	58%	32%	73%
ELSTER(12KV) - Customers: 1,549	209.3	1.0	1.9	85.6	2.0	2.4	29.2	0.5	1.2	5.5	0.0	0.0	67.0	1.5	0.0	9.5	0.2	0.0	88.9	2.0	3.0	170.9	3.6	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	66%	68%	0%	0%	0%	0%	0%	0%	0%	26%	27%	0%
Equipment Failure	1%	1%	0%	65%	50%	16%	71%	21%	8%	7%	5%	0%	0%	0%	0%	14%	2%	0%	7%	50%	33%	5%	28%	33%
Operation	1%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	32%	0%	0%	0%	0%	0%	0%	0%	13%	13%	0%
Other	0%	0%	67%	0%	0%	42%	0%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	67%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	98%	0%	0%	0%	0%	5%	4%	0%
Weather/Fire/Earthquake	98%	99%	0%	35%	50%	42%	29%	79%	80%	93%	95%	0%	0%	0%	0%	0%	0%	0%	93%	50%	0%	51%	28%	0%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
FLORY(12KV) - Customers: 699	88.8	1.4	3.5	0.5	0.0	2.0	365.1	2.2	1.9	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.9	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	95%	94%	0%
Equipment Failure	25%	29%	17%	0%	0%	50%	26%	45%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	5%	6%	0%
Other	0%	0%	57%	0%	0%	50%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	75%	71%	0%	0%	0%	0%	74%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GOPHER(12KV) - Customers: 119	4.3	0.0	1.0	264.3	1.5	1.0	499.6	2.3	2.4	4.7	0.0	0.5	34.7	1.2	1.1	0.0	0.0	0.0	112.6	0.6	0.0	151.9	1.8	1.6
3rd Party	0%	0%	0%	0%	0%	0%	12%	32%	31%	0%	0%	0%	73%	99%	0%	0%	0%	0%	0%	0%	0%	17%	66%	0%
Equipment Failure	35%	33%	0%	100%	100%	0%	1%	1%	0%	93%	50%	100%	0%	0%	0%	0%	0%	0%	5%	2%	0%	6%	1%	31%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Other	65%	67%	100%	0%	0%	100%	0%	0%	69%	0%	0%	0%	0%	0%	0%	0%	0%	0%	95%	98%	0%	71%	32%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	6%	2%	0%	0%	0%	0%	27%	1%	100%	0%	0%	0%	0%	0%	0%	6%	1%	69%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	81%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GRANITE(12KV) - Customers: 2,128	41.9	1.0	1.9	404.4	2.5	2.0	4.1	0.1	0.0	7.2	0.1	0.0	0.0	0.0	0.0	20.0	1.0	0.0	11.0	1.0	0.0	38.2	2.1	0.0
3rd Party	78%	95%	0%	56%	45%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	9%	0%	0%	35%	47%	0%	0%	0%	0%	66%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	1%	0%
Operation	13%	5%	0%	0%	0%	0%	26%	45%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	52%	49%	0%
Other	0%	0%	50%	0%	0%	0%	74%	55%	0%	34%	50%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	35%	50%	0%
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%	9%	7%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HATFIELD(12KV) - Customers: 2,019	157.0	1.2	2.2	178.6	2.4	2.0	24.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	1.0	0.0	74.1	1.0	0.0	94.2	2.0	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	13%	4%	0%	22%	12%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	2%	15%	0%	7%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	21%	50%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	79%	50%	0%
Vegetation/Animal	85%	81%	100%	7%	42%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	64%	42%	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 Tulare District 5

	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
HENDERSON(12KV) - Customers: 704	41.6	0.2	0.0	163.3	1.5	3.3	426.4	2.1	0.2	0.6	0.0	0.0	4.8	0.0	0.0	21.6	1.0	1.0	28.8	1.2	0.2	55.8	2.2	1.2
3rd Party	0%	0%	0%	23%	40%	60%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	55%	14%	100%	29%	8%	19%
Equipment Failure	100%	100%	0%	0%	0%	7%	5%	50%	0%	100%	100%	0%	0%	0%	0%	7%	0%	100%	0%	0%	0%	4%	0%	81%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	93%	100%	0%	0%	0%	0%	44%	46%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	45%	86%	0%	23%	46%	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%	77%	59%	32%	93%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HOSSACK(2.4KV) - Customers: 99	328.2	1.1	1.0	34.3	0.1	0.0	23.1	0.1	4.0	1038.0	1.0	0.0	0.0	0.0	1.0	716.0	1.0	0.0	0.0	0.0	0.0	1754.0	2.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	41%	50%	0%
Other	100%	100%	0%	0%	0%	0%	100%	100%	50%	100%	100%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	59%	50%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HOUSTON(12KV) - Customers: 108	29.5	1.5	0.0	16.2	1.3	0.0	357.8	1.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	84.6	0.4	0.0	0.0	0.0	0.0	84.6	0.4	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Equipment Failure	0%	0%	0%	26%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	56%	18%	0%	32%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	41%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	44%	82%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
INTAKE(12KV) - Customers: 197	23.5	1.2	5.8	259.5	2.0	2.4	9.2	0.0	0.0	0.0	0.0	0.0	30.2	1.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	30.2	1.3	0.9
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	12%	1%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	88%	99%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	34%	95%	11%	100%	0%	0%	0%	0%	0%	0%	6%	16%	85%	0%	0%	0%	0%	0%	0%	6%	16%	85%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	75%	0%	0%	0%	0%	0%	0%	0%	29%	75%	0%
Weather/Fire/Earthquake	0%	0%	0%	5%	89%	0%	0%	0%	0%	0%	0%	0%	65%	8%	15%	0%	0%	0%	0%	0%	0%	65%	8%	15%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
JOHNSONDALE(4.16KV) - Customers: 126	22.0	1.0	6.0	1170.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1390.1	2.0	2.9	0.0	0.0	0.0	159.3	1.0	0.0	1549.4	3.0	2.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	10%	33%	0%
Operation	100%	100%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	33%	99%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0%	0%	34%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	50%	0%	0%	0%	0%	0%	0%	0%	1%	34%	0%
Weather/Fire/Earthquake	0%	0%	0%	1%	50%	0%	0%	0%	0%	0%	0%	0%	99%	50%	66%	0%	0%	0%	0%	0%	0%	88%	33%	66%
JORDAN(12KV) - Customers: 1,087	242.0	0.3	2.6	310.9	2.6	2.1	803.5	2.7	3.6	87.1	0.8	0.6	22.1	2.0	1.0	3775.8	0.9	1.6	9.6	0.2	2.1	3894.6	3.9	5.2
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	1%
Equipment Failure	3%	4%	0%	50%	22%	8%	4%	0%	0%	24%	2%	0%	63%	50%	0%	5%	20%	4%	100%	100%	3%	6%	35%	2%
Operation	1%	5%	0%	23%	38%	0%	1%	6%	8%	0%	0%	0%	0%	0%	0%	95%	80%	4%	0%	0%	0%	92%	19%	1%
Other	34%	45%	100%	4%	2%	45%	32%	45%	61%	14%	5%	35%	10%	1%	100%	0%	0%	26%	0%	0%	97%	0%	1%	69%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	27%	0%	0%	0%	27%	50%	0%	0%	0%	63%	0%	0%	0%	0%	25%	19%
Weather/Fire/Earthquake	61%	47%	0%	23%	39%	47%	64%	49%	4%	62%	93%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	19%	7%
JOSTEN(12KV) - Customers: 891	67.7	1.3	1.0	0.0	0.0	0.0	14.3	1.0	0.0	0.0	0.0	0.0	46.6	0.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	46.6	0.3	1.0
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%	0%	27%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	73%	99%	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%	100%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	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%
LANZA(12KV) - Customers: 508	0.0	0.0	0.0	0.0	0.0	0.0	705.6	2.8	0.2	6.1	0.0	0.0	152.1	3.0	0.0	0.0	0.0	0.0	182.5	1.0	0.0	340.7	4.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	46%	67%	0%	0%	0%	0%	100%	100%	0%	74%	75%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	100%	93%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	7%	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%	54%	33%	0%	0%	0%	0%	0%	0%	0%	24%	25%	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 Tulare District 5

	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
MAHOGANY(12KV) - Customers: 169	14.5	0.7	2.0	0.0	0.0	0.0	0.0	0.0	2.7	116.0	0.4	0.3	0.0	0.0	0.1	738.2	2.0	0.0	0.0	0.0	0.0	854.2	2.4	0.4
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	50%	0%	0%	0%	0%	0%	0%	39%	75%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	92%	96%	0%
Other	100%	100%	50%	0%	0%	0%	0%	0%	61%	61%	25%	100%	0%	0%	100%	0%	0%	0%	0%	0%	0%	8%	4%	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%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MCCLENNY(2.4KV) - Customers: 54	1188.9	2.2	2.0	767.9	4.1	1.0	3959.6	4.5	3.0	1541.2	1.0	1.0	168.5	2.3	1.0	10958.4	2.1	1.0	583.5	0.8	2.0	13251.5	6.1	5.0
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	31%	53%	0%	54%	25%	0%	46%	19%	0%	0%	0%	0%	8%	42%	0%	0%	0%	0%	55%	50%	0%	3%	22%	0%
Operation	0%	0%	0%	37%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	83%	34%	0%
Other	69%	47%	100%	0%	0%	0%	0%	23%	67%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	60%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	13%	10%	33%	0%	0%	0%	92%	58%	0%	0%	0%	100%	45%	50%	0%	3%	28%	21%
Weather/Fire/Earthquake	0%	0%	0%	9%	25%	100%	41%	48%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	16%	19%
MONACHE(12KV) - Customers: 1,129	58.0	0.7	1.3	1.0	0.1	0.1	25.6	0.0	1.0	31.0	0.7	1.0	1.4	0.0	0.0	20.1	1.0	0.0	13.2	1.0	0.0	65.7	2.7	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	100%	100%	23%	0%	0%	0%	6%	11%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	49%	26%	100%
Operation	0%	0%	0%	100%	100%	100%	67%	62%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	31%	37%	0%
Other	0%	0%	0%	0%	0%	0%	27%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	20%	37%	0%
Vegetation/Animal	0%	0%	77%	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%
POSO PARK(2.4KV) - Customers: 49	9.6	0.2	2.0	751.2	4.0	1.0	1517.9	3.0	3.0	337.6	2.0	1.0	20.1	2.0	1.0	10777.8	2.0	1.0	0.0	0.0	2.0	11135.4	6.0	5.0
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%	54%	25%	0%	0%	0%	0%	0%	0%	0%	70%	51%	0%	0%	0%	0%	0%	0%	0%	0%	17%	0%
Operation	100%	100%	0%	36%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	97%	34%	0%
Other	0%	0%	100%	0%	0%	0%	1%	33%	66%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	60%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	34%	0%	0%	0%	30%	49%	0%	0%	0%	100%	0%	0%	0%	0%	16%	20%
Weather/Fire/Earthquake	0%	0%	0%	9%	25%	100%	99%	67%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	33%	20%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
PRATT(12KV) - Customers: 722	10.8	0.0	1.0	42.9	0.5	1.6	140.6	2.1	1.9	11.7	0.1	0.1	0.5	0.0	1.6	484.8	2.2	0.1	73.6	2.0	1.2	570.6	4.3	3.1
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	99%	97%	100%	100%	100%	100%	99%	99%	47%
Equipment Failure	100%	100%	0%	97%	97%	36%	89%	73%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	3%	3%	0%	11%	27%	0%	0%	0%	0%	0%	0%	0%	1%	3%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	64%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	76%	0%	0%	0%	0%	0%	0%	0%	0%	40%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	0%	12%
RICHGROVE(12KV) - Customers: 106	147.6	0.2	0.9	60.4	0.4	1.8	541.9	1.8	2.7	6.6	0.0	0.0	2.4	0.0	0.0	9.1	1.4	2.8	63.2	0.5	0.5	81.3	1.9	3.4
3rd Party	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	71%	0%	0%	0%	11%	72%	60%
Equipment Failure	0%	0%	0%	63%	48%	44%	10%	3%	0%	39%	40%	0%	100%	100%	0%	0%	0%	0%	100%	100%	100%	84%	27%	16%
Operation	0%	0%	0%	37%	52%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	56%	0%	2%	92%	0%	0%	0%	0%	0%	0%	0%	0%	29%	0%	0%	0%	0%	0%	25%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	5%	27%	5%	61%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5%	2%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	85%	67%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RIECK(12KV) - Customers: 78	16.6	0.0	1.0	15.3	0.1	1.0	91.1	0.1	1.6	0.0	0.0	0.0	40.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.2	1.0	0.0
3rd Party	38%	50%	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%	15%	33%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	62%	50%	100%	85%	67%	0%	15%	17%	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	70%	50%	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%	15%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SAUCELITO(12KV) - Customers: 136	54.7	1.1	3.5	111.4	4.0	4.0	348.0	2.1	1.6	0.0	0.0	0.8	37.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.8	0.5	0.8
3rd Party	18%	10%	42%	53%	25%	0%	20%	20%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	82%	90%	0%	34%	37%	24%	79%	77%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	30%	0%	0%	0%	1%	2%	0%	0%	0%	0%	54%	68%	0%	0%	0%	0%	0%	0%	0%	54%	68%	0%
Other	0%	0%	0%	12%	38%	76%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	28%	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%	46%	32%	0%	0%	0%	0%	0%	0%	0%	46%	32%	0%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
SKINKLE(12KV) - Customers: 511	107.8	0.4	3.2	475.0	2.9	0.8	459.2	3.8	6.5	12.4	0.9	1.4	4.1	0.0	0.2	2.2	0.0	0.0	19.2	0.3	0.2	37.9	1.2	1.9
3rd Party	0%	0%	0%	0%	0%	0%	4%	11%	0%	74%	100%	70%	0%	0%	0%	0%	0%	0%	80%	7%	0%	65%	77%	52%
Equipment Failure	46%	100%	30%	21%	35%	0%	45%	38%	6%	26%	0%	0%	7%	10%	0%	100%	100%	0%	0%	0%	0%	15%	1%	0%
Operation	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	39%	79%	65%	100%	1%	1%	26%	0%	0%	30%	93%	90%	100%	0%	0%	0%	0%	0%	0%	10%	1%	35%
Vegetation/Animal	54%	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%	50%	50%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	93%	100%	10%	20%	13%
SODA SPRINGS(12KV) - Customers: 822	153.2	1.6	7.8	127.7	1.1	4.1	68.4	0.2	1.1	93.4	0.3	0.0	70.9	1.1	0.0	3.5	0.0	0.0	437.9	1.6	2.0	605.8	3.0	2.0
3rd Party	0%	0%	11%	0%	0%	5%	0%	0%	0%	4%	5%	0%	0%	0%	0%	0%	0%	0%	76%	40%	0%	56%	22%	0%
Equipment Failure	10%	1%	5%	75%	82%	50%	80%	93%	16%	0%	0%	0%	56%	54%	0%	0%	0%	0%	11%	22%	40%	15%	31%	40%
Operation	6%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	5%	0%	100%	100%	0%	1%	15%	0%	4%	10%	0%
Other	5%	1%	71%	10%	2%	45%	0%	0%	66%	0%	0%	0%	25%	42%	0%	0%	0%	0%	11%	22%	11%	11%	27%	11%
Vegetation/Animal	0%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	1%	0%	0%
Weather/Fire/Earthquake	79%	85%	2%	15%	16%	0%	20%	7%	18%	96%	95%	0%	1%	0%	0%	0%	0%	0%	0%	0%	49%	15%	9%	49%
SUCCESS(12KV) - Customers: 2,328	123.5	0.8	2.4	215.3	2.2	1.5	139.6	1.4	1.8	65.4	0.8	1.3	18.7	0.3	0.0	0.2	0.0	0.0	4.3	0.1	0.0	88.7	1.2	1.3
3rd Party	0%	0%	0%	7%	9%	66%	30%	22%	55%	99%	97%	44%	0%	0%	0%	0%	0%	0%	61%	4%	0%	76%	68%	44%
Equipment Failure	53%	29%	34%	38%	69%	0%	36%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
Operation	10%	20%	0%	0%	0%	0%	14%	11%	0%	1%	3%	0%	0%	1%	0%	0%	0%	0%	37%	95%	0%	3%	11%	0%
Other	35%	50%	25%	26%	13%	34%	0%	0%	21%	0%	0%	56%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	56%
Vegetation/Animal	0%	0%	41%	1%	0%	0%	11%	19%	0%	0%	0%	0%	100%	99%	0%	0%	0%	0%	0%	0%	0%	21%	21%	0%
Weather/Fire/Earthquake	1%	0%	0%	29%	9%	0%	10%	15%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SUGARLOAF(2.4KV) - Customers: 125	0.0	0.0	2.0	759.6	4.0	1.0	4099.4	6.5	3.0	3921.8	2.4	1.0	21.7	2.1	1.0	12743.0	1.3	0.9	1188.4	1.8	1.9	17874.9	7.6	4.8
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%	54%	25%	0%	33%	22%	0%	0%	0%	0%	72%	51%	0%	6%	24%	0%	12%	10%	0%	5%	21%	0%
Operation	0%	0%	0%	36%	50%	0%	1%	15%	0%	17%	29%	0%	0%	0%	0%	94%	76%	0%	22%	37%	0%	72%	31%	0%
Other	0%	0%	100%	0%	0%	0%	0%	15%	67%	0%	0%	0%	0%	0%	100%	0%	0%	0%	21%	36%	100%	1%	8%	60%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	28%	49%	0%	0%	0%	100%	0%	0%	0%	0%	13%	19%
Weather/Fire/Earthquake	0%	0%	0%	9%	25%	100%	66%	48%	0%	83%	71%	100%	0%	0%	0%	0%	0%	0%	44%	18%	0%	21%	27%	21%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
SUNSET(12KV) - Customers: 97	30.3	1.2	4.8	6.6	1.0	0.0	30.4	1.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0
3rd Party	2%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Equipment Failure	48%	7%	40%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	15%	1%	0%	6%	0%	0%	57%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	3%	7%	40%	94%	100%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	31%	84%	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%	30%	93%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TEAPOT(12KV) - Customers: 2,041	11.8	0.0	1.0	46.2	0.1	3.0	1.7	0.2	1.0	0.2	0.0	0.0	0.0	0.0	0.0	74.8	1.3	1.9	39.5	1.1	0.9	114.4	2.4	2.8
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	56%	17%	100%	72%	12%	100%	62%	14%	100%
Equipment Failure	100%	100%	0%	32%	57%	0%	74%	95%	100%	90%	50%	0%	0%	0%	0%	12%	5%	0%	0%	0%	0%	8%	3%	0%
Operation	0%	0%	0%	8%	25%	0%	0%	0%	0%	10%	50%	0%	0%	0%	0%	32%	79%	0%	0%	0%	0%	21%	42%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	88%	0%	10%	41%	0%
Vegetation/Animal	0%	0%	100%	0%	0%	0%	26%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	60%	18%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VANDALIA(12KV) - Customers: 1,127	9.9	1.3	2.1	804.8	3.0	2.6	365.6	3.2	1.6	26.6	1.0	0.4	32.0	1.0	0.0	13.7	1.0	2.0	0.0	0.0	0.0	72.4	3.0	2.4
3rd Party	74%	79%	48%	0%	0%	0%	8%	6%	60%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	44%	33%	0%
Equipment Failure	5%	0%	0%	39%	33%	0%	38%	51%	0%	99%	100%	0%	0%	0%	0%	8%	0%	50%	0%	0%	0%	38%	33%	42%
Operation	21%	21%	0%	0%	0%	0%	1%	1%	0%	1%	0%	100%	0%	0%	0%	92%	100%	50%	0%	0%	0%	18%	34%	58%
Other	0%	0%	4%	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%	48%	0%	0%	76%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	60%	67%	24%	53%	42%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WELCH(12KV) - Customers: 257	65.7	1.0	1.0	46.4	0.0	0.0	352.6	3.7	0.9	0.0	0.0	0.0	49.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.9	1.0	0.0
3rd Party	97%	99%	18%	0%	0%	0%	59%	49%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Equipment Failure	1%	0%	0%	100%	100%	0%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	2%	0%	82%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	3%	27%	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%	33%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 5

	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
WORTH(12KV) - Customers: 940	28.4	0.8	1.2	54.2	1.0	3.0	0.4	0.0	2.0	95.8	0.7	1.3	17.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.2	1.7	1.3
3rd Party	100%	100%	20%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	85%	41%	100%
Equipment Failure	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	98%	99%	0%	0%	0%	0%	0%	0%	0%	15%	59%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	67%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	80%	0%	0%	33%	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%
ZANTE(12KV) - Customers: 923	187.0	2.1	2.0	47.0	1.0	1.0	121.9	1.4	1.9	9.4	0.0	0.2	0.2	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.2
3rd Party	11%	16%	50%	99%	100%	100%	7%	23%	37%	96%	95%	0%	0%	0%	0%	87%	90%	0%	0%	0%	0%	93%	90%	0%
Equipment Failure	5%	1%	50%	1%	0%	0%	19%	4%	0%	4%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%
Operation	1%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	13%	10%	0%	0%	0%	0%	4%	7%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	63%	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	83%	81%	0%	0%	0%	0%	74%	73%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ZION(12KV) - Customers: 983	53.1	0.7	0.0	303.7	3.9	0.3	808.8	3.4	7.4	14.6	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.7	3.3
3rd Party	0%	0%	0%	14%	18%	82%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	86%	82%	0%	0%	0%	0%	20%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	1%	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%	18%	6%	30%	1%	80%	99%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	80%	99%	10%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	94%	70%	44%	0%	0%	90%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%