



Circuit Reliability Review

Tulare District 1

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.

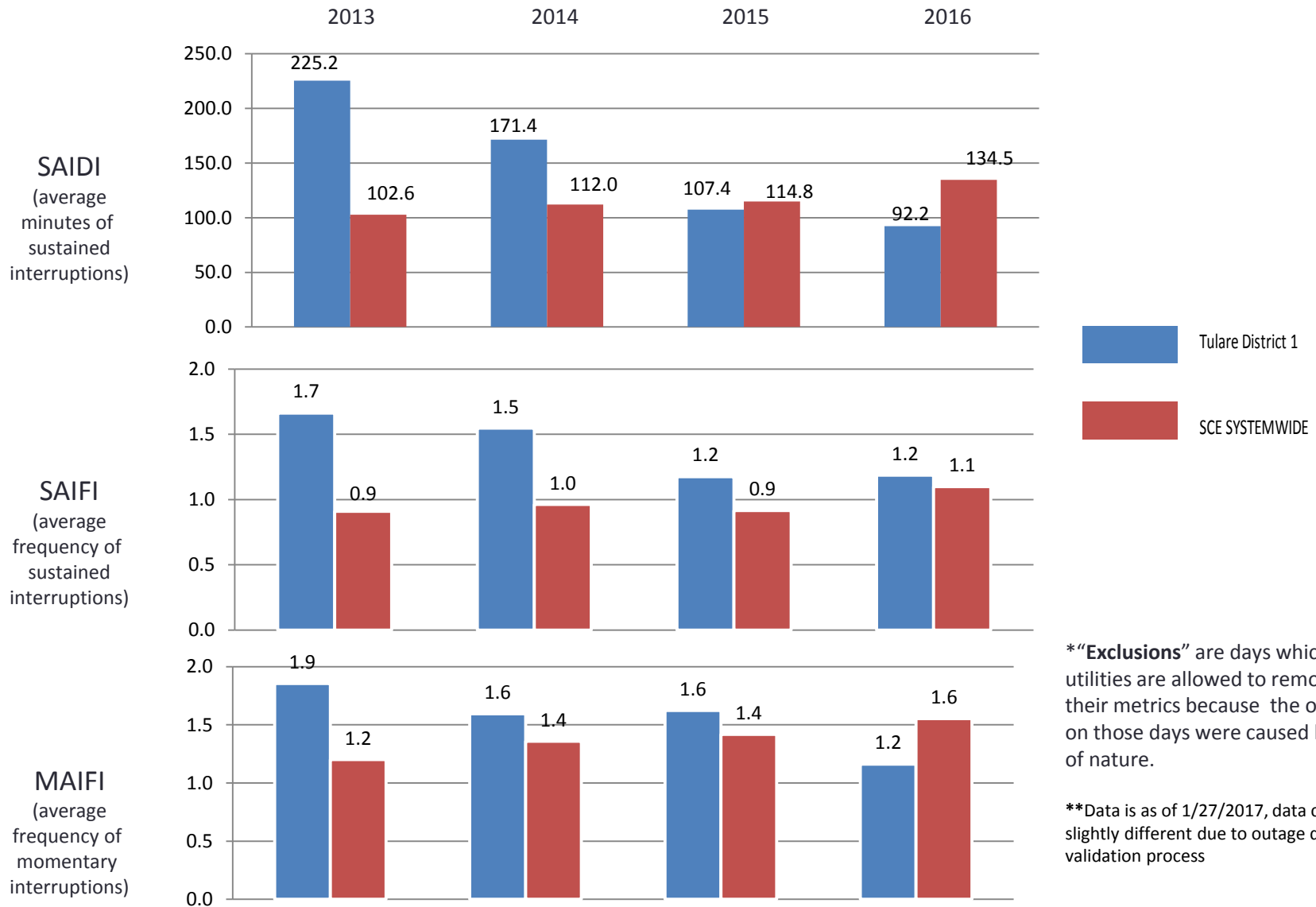
**In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Tulare District 1

There are 50 circuits that serve Tulare District 1

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
ABBEY(12KV)	382	MOFFITT(12KV)	147				
BOOSTER(12KV)	1,029	MONROE(12KV)	150				
BOWEN(12KV)	878	NICKERSON(12KV)	793				
BURR(12KV)	1,212	ORANGE BLOSSOM(1	1,136				
BUSH(12KV)	1,632	PACKWOOD(12KV)	2,015				
CAIRNS(12KV)	1,011	PAWLEY(12KV)	1,084				
CAMPBELL(12KV)	1,993	PRAIRIE(12KV)	211				
CATTLE(12KV)	993	ROEDING(12KV)	828				
COOPER(12KV)	183	ROSEDALE(12KV)	748				
CUTLER(12KV)	1,553	ROUND VALLEY(12KV)	853				
DELTA(12KV)	772	SALT CREEK(12KV)	670				
DUNGAN(12KV)	1,096	SERENITY(12KV)	1,025				
EL MIRADOR(12KV)	818	ST. JOHNS(12KV)	1,501				
FLORY(12KV)	699	STURGEON(12KV)	480				
GARCIA(12KV)	1,632	TERMINUS(12KV)	307				
GILL(12KV)	1,706	TLSMITH(12KV)	551				
GILLETTE(12KV)	581	VOSSLER(12KV)	501				
GORDON(12KV)	2,075	WELLS(12KV)	1,565				
GREEN(12KV)	213	WUTCHUMNA(12KV)	1,386				
HACK(12KV)	93	ZANTE(12KV)	923				
HARMONY(12KV)	312						
HART(12KV)	2,183						
HAYS(12KV)	1,566						
HIGBY(12KV)	1,419						
HOMER(12KV)	170						
LEO(12KV)	2,059						
LEWIS(12KV)	500						
LINNELL(12KV)	1,507						
MERRYMAN(12KV)	449						
MINERAL(12KV)	1,031						
Grand Total	48,621						

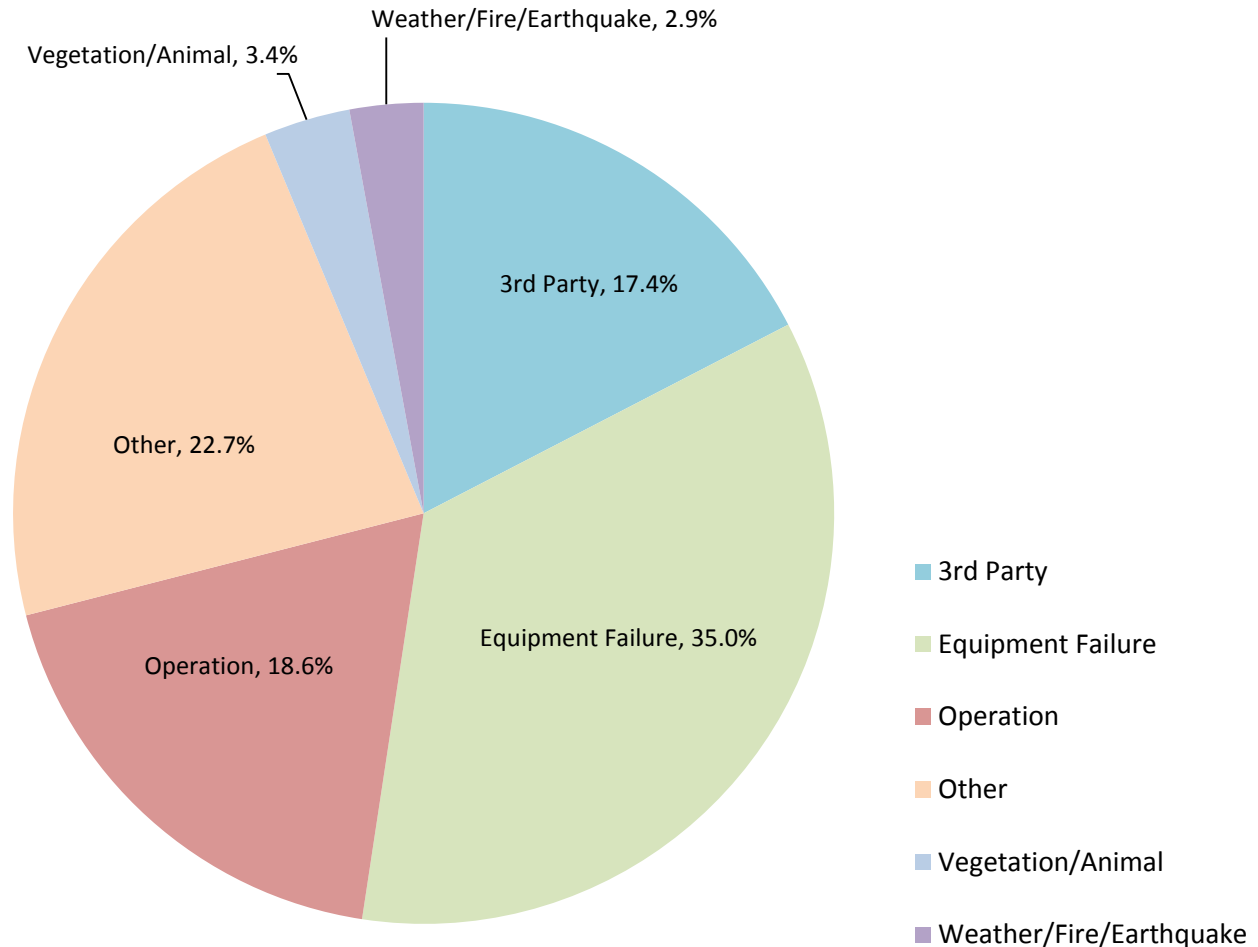
Reliability History of Circuits Serving Tulare District 1 (No Exclusions)



Causes of Repair Outages in Tulare District 1 Circuits

2016 YTD

Contributions to SAIDI by Outage Cause

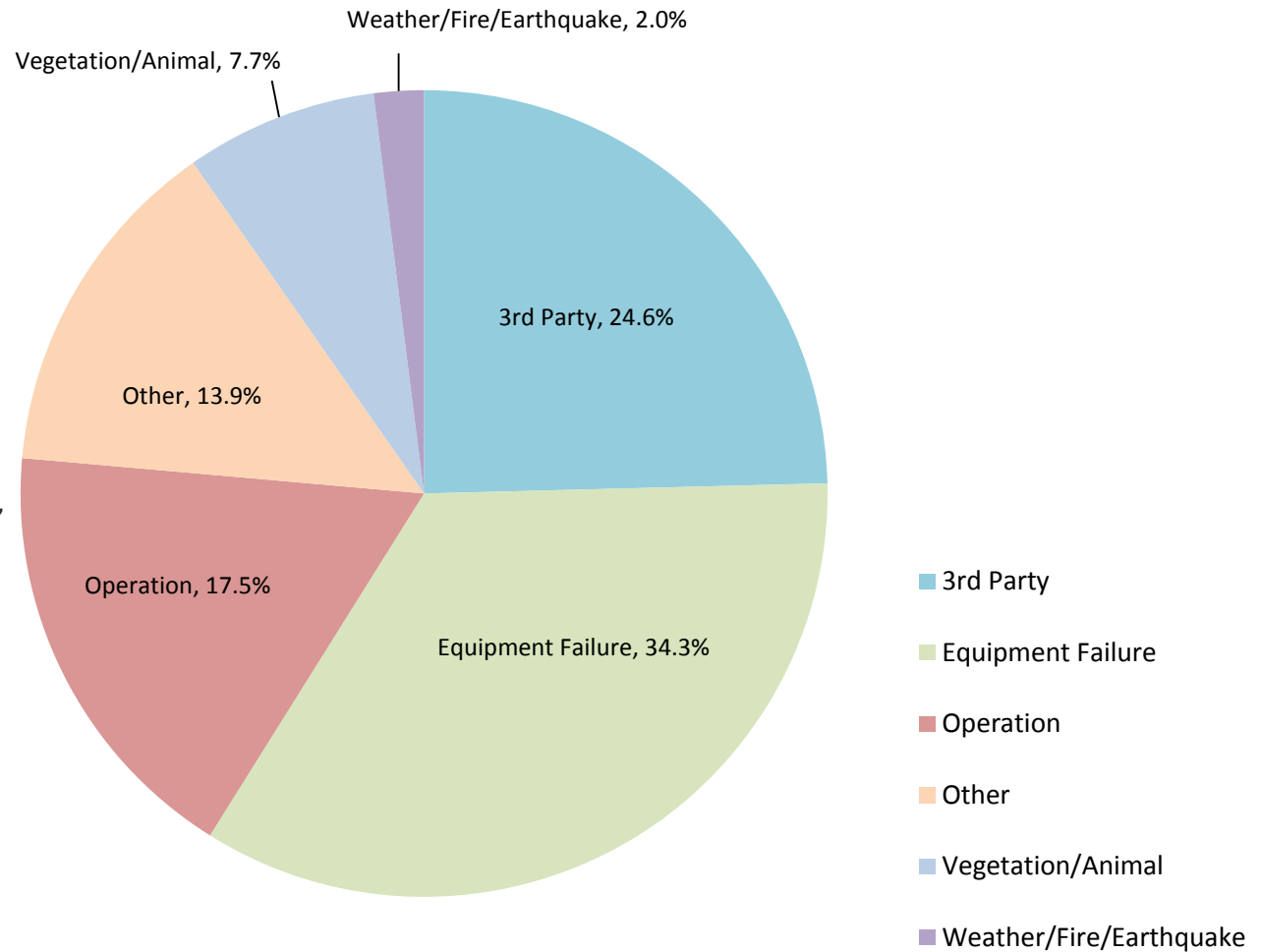


- **Equipment Failure**
e.g., in-service failure of transformer, switch, or conductors
- **Vegetation/Animal**
e.g., tree branch, rodent, or bird causing a short circuit between conductors
- **Other**
e.g., patrolled but no cause found
- **Operations**
e.g., urgent maintenance w/o 3-day notice
- **3rd Party**
e.g., balloon, car hit pole, dig-in

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

Causes of Repair Outages in Tulare District 1 Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



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

Tulare County District 1 Unincorporated Areas 2017 All Circuits

- | | | |
|--|--|--|
| Unincorporated Community | MOUNTAIN VIEW | N OAKBROOK |
| Unincorporated County Area | ORANGE BLOSSOM | PINEWOOD |
| Supervisory District | PINEVIEW | PINEVIEW |
| Distribution Circuit | | |
| ABBEY | PINEVIEW | PINEVIEW |
| BOON | PINEVIEW | PINEVIEW |
| BURR | PINEVIEW | PINEVIEW |
| BURR | PINEVIEW | PINEVIEW |
| CA-RIP | PINEVIEW | PINEVIEW |
| CAMBELL | PINEVIEW | PINEVIEW |
| CATTLE | PINEVIEW | PINEVIEW |
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Back-up Slides

Reliability Histories of Circuits Serving Tulare District 1

Updated through Year-End 2016

Average Reliability of 50 Circuits Serving Tulare District 1

	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 1	225.2	1.7	1.9	171.4	1.5	1.6	107.4	1.2	1.6	40.3	0.4	0.2	9.9	0.2	0.4	26.6	0.3	0.2	15.3	0.3	0.4	92.2	1.2	1.2
3rd Party	9%	22%	17%	15%	22%	22%	25%	28%	13%	21%	36%	31%	18%	26%	23%	10%	10%	21%	22%	22%	40%	17%	25%	30%
Equipment Failure	14%	22%	21%	41%	36%	32%	22%	26%	23%	18%	35%	42%	34%	26%	2%	66%	57%	50%	26%	15%	17%	35%	34%	20%
Operation	3%	7%	5%	5%	11%	4%	12%	9%	14%	14%	6%	6%	13%	9%	5%	20%	25%	1%	32%	34%	5%	19%	17%	4%
Other	65%	35%	36%	17%	17%	18%	2%	3%	30%	44%	21%	22%	13%	7%	12%	0%	0%	0%	12%	23%	21%	23%	14%	15%
Vegetation/Animal	2%	3%	6%	1%	3%	11%	3%	4%	4%	0%	0%	0%	21%	32%	57%	4%	9%	28%	0%	0%	0%	3%	8%	24%
Weather/Fire/Earthquake	8%	12%	15%	20%	11%	13%	36%	29%	16%	3%	2%	0%	1%	1%	1%	0%	0%	0%	7%	5%	16%	3%	2%	6%
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 1

	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
ABBEY(12KV) - Customers: 382	0.4	0.0	0.3	574.7	4.5	5.3	286.6	2.3	1.3	0.0	0.0	0.0	65.7	1.0	0.0	22.9	0.0	0.0	0.9	0.0	0.0	89.4	1.1	0.0
3rd Party	0%	0%	0%	38%	31%	19%	78%	56%	0%	0%	0%	0%	1%	2%	0%	100%	100%	0%	0%	0%	0%	26%	6%	0%
Equipment Failure	100%	100%	0%	56%	50%	81%	20%	44%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	1%	13%	0%	0%	0%	0%	0%	0%	0%	99%	98%	0%	0%	0%	0%	0%	0%	0%	73%	94%	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%	5%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	1%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	2%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
BOOSTER(12KV) - Customers: 1,029	12.2	0.3	1.4	602.4	1.0	0.5	7.5	0.0	3.0	77.1	0.5	1.5	2.0	0.2	1.0	39.5	0.3	0.1	40.7	0.9	2.1	159.2	1.9	4.7
3rd Party	100%	100%	100%	0%	0%	0%	0%	0%	52%	76%	85%	36%	100%	100%	100%	0%	0%	0%	0%	0%	0%	38%	32%	33%
Equipment Failure	0%	0%	0%	100%	100%	100%	23%	50%	0%	0%	0%	0%	0%	0%	0%	58%	61%	0%	0%	0%	0%	14%	10%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	6%	24%	15%	0%	0%	0%	0%	42%	39%	100%	2%	1%	0%	23%	11%	1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	64%	0%	0%	0%	0%	0%	0%	96%	99%	100%	24%	46%	66%
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%	77%	50%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	1%	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%
BURR(12KV) - Customers: 1,212	6.5	0.1	1.7	133.9	0.4	1.0	91.8	0.9	0.0	0.0	0.0	0.0	4.7	0.0	1.0	8.6	0.0	0.0	0.0	0.0	0.0	13.3	0.0	1.0
3rd Party	82%	88%	46%	0%	0%	100%	10%	2%	0%	0%	0%	0%	100%	100%	100%	100%	100%	0%	0%	0%	0%	100%	100%	100%
Equipment Failure	18%	12%	0%	100%	100%	0%	50%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	35%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	54%	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%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
BUSH(12KV) - Customers: 1,632	351.1	1.3	1.0	27.6	1.1	0.1	47.5	2.1	0.8	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.9	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	6%	7%	0%	0%	0%	0%	79%	50%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	44%	56%	0%
Operation	4%	15%	100%	71%	89%	100%	21%	50%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	56%	44%	0%
Other	89%	78%	0%	22%	8%	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%	7%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CAIRNS(12KV) - Customers: 1,011	38.4	1.2	0.8	56.4	1.0	2.0	589.8	2.5	0.8	91.3	0.1	1.0	0.4	0.0	0.0	0.0	0.0	0.0	27.3	1.0	2.1	119.0	1.2	3.1
3rd Party	0%	0%	0%	0%	0%	48%	24%	49%	0%	99%	99%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	77%	11%	33%
Equipment Failure	6%	0%	33%	0%	0%	0%	5%	3%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	23%	1%	0%	5%	1%	0%
Operation	94%	100%	0%	100%	100%	0%	69%	47%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	58%	99%	3%	13%	88%	2%
Other	0%	0%	67%	0%	0%	52%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	1%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	1%	97%	4%	1%	65%
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%
CATTLE(12KV) - Customers: 993	431.5	1.3	1.7	80.8	2.2	3.7	31.2	0.2	0.0	14.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.1	0.0	22.9	0.3	0.1
3rd Party	1%	1%	0%	38%	54%	19%	0%	0%	0%	98%	99%	100%	0%	0%	0%	0%	0%	0%	98%	98%	0%	98%	99%	100%
Equipment Failure	0%	0%	0%	0%	0%	27%	1%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	1%	0%	0%
Operation	0%	0%	0%	61%	46%	0%	21%	67%	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	0%
Other	92%	78%	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%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	6%	21%	100%	0%	0%	0%	78%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
COOPER(12KV) - Customers: 183	202.1	1.1	4.0	157.9	2.1	4.0	298.9	2.4	4.4	0.0	0.0	0.0	10.9	0.5	0.9	89.6	0.9	1.2	85.0	1.2	1.2	185.5	2.6	3.3
3rd Party	0%	0%	0%	95%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	48%	36%	0%
Equipment Failure	4%	2%	0%	5%	1%	0%	14%	47%	25%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	46%	46%	72%
Operation	0%	0%	25%	0%	0%	25%	22%	9%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	50%	0%	0%	50%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	25%	0%	0%	25%	0%	0%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	96%	98%	0%	0%	0%	0%	63%	43%	32%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	6%	19%	28%
CUTLER(12KV) - Customers: 1,553	472.0	3.2	1.2	51.4	1.0	1.0	9.7	0.1	2.0	0.0	0.0	0.0	2.4	0.0	0.0	34.9	0.1	1.0	0.9	0.0	0.0	38.2	0.1	1.0
3rd Party	14%	37%	6%	0%	0%	0%	16%	15%	52%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
Equipment Failure	31%	29%	91%	92%	98%	0%	4%	3%	0%	0%	0%	0%	0%	0%	0%	75%	43%	0%	0%	0%	0%	69%	30%	0%
Operation	1%	3%		1%	1%	0%	80%	82%	48%	0%	0%	0%	0%	0%	0%	25%	57%	0%	100%	100%	0%	25%	60%	0%
Other	54%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	6%	11%	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%	8%	1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DELTA(12KV) - Customers: 772	179.6	0.6	0.9	18.2	0.2	1.2	83.6	1.9	0.0	72.7	0.3	0.7	4.4	0.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	77.1	0.6	2.5
3rd Party	15%	15%	22%	0%	0%	0%	34%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	12%	39%	0%	100%	100%	19%	15%	1%	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%	100%	0%	0%	59%	0%	0%	0%	0%	0%	0%	94%	50%	71%
Other	73%	45%	78%	0%	0%	81%	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%	100%	100%	41%	0%	0%	0%	0%	0%	0%	6%	50%	29%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	51%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DUNGAN(12KV) - Customers: 1,096	0.0	0.0	0.7	387.9	2.1	0.0	123.4	1.7	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	5.4	0.1	0.0	5.4	0.1	1.0
3rd Party	0%	0%	0%	0%	0%	0%	92%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	99%	95%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	1%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	8%	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 1

	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
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%
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%
GARCIA(12KV) - Customers: 1,632	289.1	1.1	1.0	122.5	1.1	0.0	8.7	0.1	1.0	0.0	0.0	0.0	23.2	1.0	0.3	34.6	0.7	1.3	0.0	0.0	0.0	57.8	1.7	1.5
3rd Party	18%	10%	100%	0%	0%	0%	52%	11%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	3%	2%	0%	96%	98%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	7%	1%	0%	0%	0%	0%	44%	58%	17%
Operation	0%	0%	0%	4%	2%	0%	48%	89%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	79%	88%	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%	93%	99%	100%	0%	0%	0%	56%	42%	83%
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%
GILL(12KV) - Customers: 1,706	644.7	5.2	3.3	249.4	3.0	3.0	90.6	1.8	1.8	18.0	1.0	0.0	0.5	0.0	1.0	62.8	1.6	1.1	52.5	0.3	0.4	133.8	2.9	2.5
3rd Party	16%	49%	10%	37%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	18%	33%	49%	44%	44%	56%	63%	77%	55%	100%	100%	0%	0%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	59%
Operation	0%	1%	0%	2%	0%	11%	2%	1%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	65%	18%	42%	3%	8%	33%	7%	4%	22%	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%	18%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	41%
Weather/Fire/Earthquake	0%	0%	0%	14%	13%	0%	28%	18%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
GILLETTE(12KV) - Customers: 581	138.1	2.0	0.0	69.4	0.5	3.1	200.7	2.1	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.9	0.0	0.0	5.6	0.0	1.0	7.5	0.1	2.0
3rd Party	74%	96%	0%	98%	86%	85%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	66%	20%	100%	49%	10%	51%
Equipment Failure	23%	4%	0%	0%	0%	0%	22%	52%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	49%
Operation	3%	0%	0%	2%	14%	15%	1%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	34%	80%	0%	51%	90%	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%	77%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GORDON(12KV) - Customers: 2,075	261.8	1.2	1.0	0.4	0.0	1.0	11.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	1.1	0.0	0.0	8.6	0.1	0.0
3rd Party	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	8%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	88%	67%	0%
Operation	1%	3%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	12%	33%	0%
Other	91%	87%	100%	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%
GREEN(12KV) - Customers: 213	116.0	1.4	2.0	72.8	0.5	2.0	282.3	1.4	2.0	20.6	0.1	0.0	10.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5	0.8	0.0
3rd Party	0%	0%	0%	84%	92%	100%	0%	0%	0%	67%	64%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	78%	97%	0%
Equipment Failure	9%	3%	0%	3%	4%	0%	21%	72%	50%	33%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	3%	0%
Operation	42%	94%	0%	13%	5%	0%	9%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	50%	0%	0%	0%	29%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	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	49%	3%	0%	0%	0%	0%	41%	10%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HACK(12KV) - Customers: 93	52.0	0.4	3.3	749.1	3.1	1.1	167.5	2.1	1.0	0.0	0.0	0.0	298.8	1.5	1.4	66.4	1.1	0.0	0.0	0.0	1.0	365.2	2.7	2.4
3rd Party	0%	0%	0%	32%	34%	22%	0%	0%	0%	0%	0%	0%	71%	96%	26%	0%	0%	0%	0%	0%	0%	58%	56%	15%
Equipment Failure	57%	13%	31%	68%	66%	22%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	43%	87%	8%	0%	0%	55%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	18%	42%	0%
Other	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	74%	0%	0%	0%	0%	0%	100%	0%	0%	85%
Vegetation/Animal	0%	0%	31%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	4%	0%	0%	0%	0%	0%	0%	0%	23%	2%	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 1

	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
HARMONY(12KV) - Customers: 312	94.6	0.8	2.6	39.2	1.0	3.0	392.4	3.8	1.3	37.9	0.9	0.0	3.2	0.0	0.0	10.7	1.0	0.0	20.3	0.0	0.4	72.1	1.9	0.4
3rd Party	62%	52%	23%	82%	39%	67%	28%	27%	0%	0%	0%	0%	0%	0%	98%	100%	0%	0%	0%	0%	14%	51%	0%	
Equipment Failure	36%	47%	0%	7%	1%	0%	17%	27%	74%	88%	98%	0%	64%	33%	0%	0%	0%	0%	0%	0%	49%	45%	0%	
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	36%	67%	0%	2%	0%	0%	0%	0%	2%	0%	0%	
Other	2%	1%	0%	11%	60%	33%	22%	10%	0%	12%	2%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	35%	3%	100%
Vegetation/Animal	0%	0%	38%	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%	38%	0%	0%	0%	33%	35%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
HART(12KV) - Customers: 2,183	240.9	1.0	0.0	9.1	1.2	2.3	297.6	3.8	1.4	18.5	1.0	0.0	0.0	0.0	0.0	40.2	1.0	0.0	33.1	0.7	2.3	91.8	2.7	2.3
3rd Party	0%	0%	0%	0%	0%	0%	35%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	43%	0%	0%	43%	0%	0%	43%
Equipment Failure	0%	0%	0%	2%	0%	50%	3%	0%	0%	93%	100%	0%	0%	0%	0%	95%	100%	0%	0%	0%	43%	60%	74%	43%
Operation	1%	3%	0%	98%	100%	0%	1%	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	14%	37%	25%	14%
Other	98%	97%	0%	0%	0%	50%	0%	0%	75%	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%	62%	70%	25%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%	0%	0%	2%	0%	0%
HAYS(12KV) - Customers: 1,566	277.1	2.2	1.7	71.6	1.2	1.0	84.5	0.7	2.4	0.0	0.0	0.0	12.0	0.7	0.3	65.0	0.1	0.0	0.0	0.0	1.0	77.0	0.8	1.3
3rd Party	0%	0%	0%	0%	0%	0%	78%	97%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	36%	79%	41%	0%	0%	0%	18%	3%	41%	0%	0%	0%	0%	0%	0%	96%	67%	0%	0%	0%	0%	81%	9%	0%
Operation	3%	2%	0%	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	4%	33%	0%	0%	0%	0%	4%	5%	0%
Other	61%	20%	59%	54%	37%	29%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	78%	
Vegetation/Animal	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	16%	86%	22%
Weather/Fire/Earthquake	0%	0%	0%	44%	62%	71%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
HIGBY(12KV) - Customers: 1,419	368.1	2.8	1.3	128.2	2.0	3.7	51.8	0.3	0.8	33.8	1.0	2.5	18.0	0.1	2.0	1.5	0.0	0.0	0.0	0.0	0.0	53.3	1.1	4.6
3rd Party	8%	26%	20%	35%	51%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	4%	2%	80%	40%	8%	19%	89%	89%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	97%	99%	56%	
Operation	0%	0%	0%	4%	4%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	3%	1%	0%
Other	63%	36%	0%	0%	0%	27%	6%	6%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%
Vegetation/Animal	0%	0%	0%	20%	38%	34%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	22%
Weather/Fire/Earthquake	25%	36%	0%	0%	0%	0%	5%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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	
HOMER(12KV) - Customers: 170	736.9	1.5	6.3	58.1	1.5	5.5	9.1	0.5	5.5	0.0	0.0	1.0	31.9	1.0	1.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	33.6	1.0	2.5
3rd Party	0%	0%	0%	63%	33%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Equipment Failure	0%	0%	16%	37%	67%	0%	0%	0%	0%	0%	0%	0%	93%	97%	0%	0%	0%	0%	0%	0%	0%	89%	95%	0%	
Operation	0%	0%	0%	0%	0%	0%	100%	100%	9%	0%	0%	0%	7%	3%	33%	100%	100%	0%	0%	0%	0%	11%	5%	19%	
Other	100%	100%	84%	0%	0%	36%	0%	0%	72%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	41%	
Vegetation/Animal	0%	0%	0%	0%	0%	18%	0%	0%	18%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	40%	
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
LEO(12KV) - Customers: 2,059	277.6	1.8	2.2	51.9	0.2	1.0	15.6	0.5	1.0	63.7	1.8	0.0	7.5	0.0	0.0	23.2	0.0	0.0	0.2	0.0	0.0	94.6	1.9	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%	67%	96%	0%	
Equipment Failure	14%	45%	55%	100%	100%	100%	99%	98%	100%	0%	0%	0%	64%	47%	0%	96%	50%	0%	0%	0%	0%	29%	2%	0%	
Operation	0%	0%	0%	0%	0%	0%	1%	2%	0%	0%	0%	0%	36%	53%	0%	4%	50%	0%	100%	100%	0%	4%	2%	0%	
Other	86%	55%	45%	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%	
LEWIS(12KV) - Customers: 500	0.5	0.0	1.0	353.5	3.2	1.0	87.0	4.0	2.7	0.0	0.0	0.0	33.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.1	0.0	
3rd Party	0%	0%	0%	1%	0%	0%	6%	0%	38%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Equipment Failure	58%	50%	0%	37%	62%	100%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Operation	42%	50%	0%	0%	0%	0%	16%	25%	38%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	
Other	0%	0%	100%	63%	38%	0%	31%	40%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Vegetation/Animal	0%	0%	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	0%	0%	0%	0%	0%	0%	39%	34%	24%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
LINNELL(12KV) - Customers: 1,507	221.7	1.6	0.7	34.4	0.3	1.0	162.2	2.1	4.0	4.3	0.3	0.3	43.2	1.0	0.0	4.9	0.1	0.0	1.1	0.0	0.3	53.5	1.4	0.6	
3rd Party	1%	1%	0%	55%	88%	0%	49%	48%	25%	100%	100%	100%	0%	0%	0%	95%	85%	0%	0%	0%	0%	17%	24%	50%	
Equipment Failure	3%	1%	100%	20%	3%	0%	1%	0%	25%	0%	0%	0%	0%	0%	0%	5%	15%	0%	0%	0%	0%	0%	1%	0%	
Operation	0%	0%	0%	0%	0%	0%	11%	4%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	2%	0%	0%	
Other	82%	97%	0%	0%	0%	100%	0%	0%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Vegetation/Animal	0%	0%	0%	0%	0%	0%	35%	48%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	81%	75%	0%	
Weather/Fire/Earthquake	14%	2%	0%	25%	9%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%	

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
MERRYMAN(12KV) - Customers: 449	668.3	5.5	7.5	33.0	1.0	0.0	9.4	0.0	0.0	0.8	0.0	0.0	9.8	0.7	0.3	0.0	0.0	0.0	0.7	0.0	0.0	11.3	0.7	0.3
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	0%	0%	27%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	6%	1%	0%
Operation	0%	0%	0%	73%	98%	0%	0%	0%	0%	19%	20%	0%	30%	3%	0%	0%	0%	0%	0%	0%	0%	27%	3%	0%
Other	61%	35%	22%	0%	0%	0%	100%	100%	0%	81%	80%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	1%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%	97%	100%	0%	0%	0%	0%	0%	0%	60%	95%	100%
Weather/Fire/Earthquake	39%	65%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MINERAL(12KV) - Customers: 1,031	287.7	1.2	0.6	28.7	1.0	1.0	66.1	1.1	2.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	67%	9%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	100%	33%	91%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	20%	12%	100%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	80%	88%	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%
MOFFITT(12KV) - Customers: 147	115.6	0.1	3.0	352.7	1.8	3.0	0.0	0.0	7.0	0.0	0.0	0.9	74.5	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	75.5	1.0	1.9
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%	25%	3%	42%	0%	0%	0%	14%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	75%	97%	58%	0%	0%	0%	57%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	33%	0%	0%	14%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	100%	100%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MONROE(12KV) - Customers: 150	0.0	0.0	2.0	23.4	1.0	1.0	151.4	2.1	5.0	4.9	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0
3rd Party	0%	0%	0%	98%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	1%	0%	0%	86%	96%	40%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	29%	14%	0%
Operation	0%	0%	0%	1%	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%	100%	13%	4%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	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%	0%	0%	0%	1%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	71%	86%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
NICKERSON(12KV) - Customers: 793	262.9	1.7	1.6	0.4	0.0	0.0	123.1	1.0	3.1	43.9	0.1	0.0	22.4	0.2	0.0	47.1	0.6	0.0	154.1	1.7	0.3	267.6	2.7	0.3
3rd Party	16%	45%	45%	0%	0%	0%	8%	21%	25%	0%	0%	0%	0%	0%	0%	100%	100%	0%	89%	81%	100%	69%	74%	100%
Equipment Failure	0%	0%	0%	92%	50%	0%	44%	10%	61%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	8%	9%	0%
Operation	1%	0%	55%	8%	50%	0%	1%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	16%	5%	0%
Other	83%	55%	0%	0%	0%	0%	0%	0%	7%	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%	47%	69%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	19%	0%	6%	12%	0%
ORANGE BLOSSOM(12KV) - Customers: 1	12.6	0.1	1.0	125.7	1.4	0.0	82.0	0.6	0.6	0.9	0.0	0.0	4.4	0.0	1.0	0.0	0.0	0.0	26.2	1.1	0.2	31.5	1.1	1.2
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	83%	97%	20%
Equipment Failure	13%	4%	0%	0%	0%	0%	88%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	87%	96%	0%	57%	37%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	14%	3%	0%
Other	0%	0%	100%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%
Vegetation/Animal	0%	0%	0%	24%	59%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	80%
Weather/Fire/Earthquake	0%	0%	0%	18%	3%	0%	12%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PACKWOOD(12KV) - Customers: 2,015	250.7	1.7	1.0	11.2	1.0	1.0	2.9	0.0	0.0	19.2	0.0	0.0	11.7	0.7	1.0	5.1	0.0	0.0	0.0	0.0	0.0	36.0	0.8	1.0
3rd Party	21%	52%	100%	99%	100%	100%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	32%	93%	100%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	79%	50%	0%	0%	0%	0%	96%	50%	0%	0%	0%	0%	56%	4%	0%
Operation	0%	0%	0%	1%	0%	0%	100%	100%	0%	21%	50%	0%	0%	0%	0%	4%	50%	0%	0%	0%	0%	12%	4%	0%
Other	79%	48%	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%
PAWLEY(12KV) - Customers: 1,084	177.8	0.5	5.3	550.8	5.7	4.0	83.3	0.3	6.3	524.9	2.2	0.3	0.0	0.0	1.0	52.9	0.3	0.0	0.5	0.0	0.0	578.4	2.5	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	1%	0%	19%	9%	40%	0%	71%	55%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	9%	11%	0%
Operation	0%	0%	0%	0%	0%	0%	12%	33%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	99%	100%	62%	56%	53%	25%	0%	0%	64%	91%	91%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	83%	81%	21%
Vegetation/Animal	0%	0%	0%	0%	0%	25%	0%	0%	16%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	79%
Weather/Fire/Earthquake	0%	0%	19%	34%	7%	50%	17%	12%	4%	9%	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	8%	8%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
PRAIRIE(12KV) - Customers: 211	0.0	0.0	0.0	166.8	3.5	3.8	83.9	0.9	8.0	130.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.4	1.4	0.0
3rd Party	0%	0%	0%	14%	28%	26%	88%	95%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	79%	61%	26%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	7%	11%	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%	47%	4%	4%	61%	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%	7%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ROEDING(12KV) - Customers: 828	27.7	0.3	2.0	198.2	2.0	0.3	72.0	1.1	1.3	0.6	0.0	0.0	99.5	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	100.2	0.9	1.0
3rd Party	0%	0%	0%	51%	43%	0%	56%	74%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	0%	1%	0%	0%	5%	0%	0%	0%	0%	0%	29%	5%	0%	0%	0%	0%	0%	0%	0%	28%	5%	0%
Operation	50%	96%	0%	2%	1%	85%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	100%	46%	56%	15%	0%	0%	0%	0%	0%	0%	70%	94%	0%	0%	0%	0%	0%	0%	0%	69%	93%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	100%	0%	0%	0%	0%	0%	0%	2%	1%	100%
Weather/Fire/Earthquake	49%	3%	0%	0%	0%	0%	35%	26%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
ROSEDALE(12KV) - Customers: 748	59.6	1.2	3.6	467.9	2.2	1.3	6.4	0.1	0.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.1	0.0	45.8	0.1	0.0
3rd Party	5%	5%	57%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	0%	0%	96%	93%	100%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	53%	32%	0%
Operation	94%	95%	43%	4%	7%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	47%	68%	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%
ROUND VALLEY(12KV) - Customers: 853	4.1	0.0	0.1	548.2	1.0	0.0	24.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	179.5	1.0	0.0	0.0	0.0	0.0	179.5	1.0	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	25%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%
Other	75%	81%	100%	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%	100%	100%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
SALT CREEK(12KV) - Customers: 670	218.7	1.8	6.0	440.2	7.6	3.3	49.3	0.0	8.0	506.4	3.1	0.0	1.3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	507.7	3.1	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	78%	63%	21%	27%	47%	6%	2%	9%	25%	0%	3%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	1%	3%	0%
Operation	0%	0%	0%	29%	14%	0%	0%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	22%	37%	79%	44%	39%	4%	0%	0%	50%	100%	97%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	99%	97%	5%
Vegetation/Animal	0%	0%	0%	0%	0%	30%	0%	0%	13%	0%	0%	0%	0%	0%	95%	0%	0%	0%	0%	0%	0%	0%	0%	95%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	60%	98%	91%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SERENITY(12KV) - Customers: 1,025	17.5	0.1	0.6	501.1	3.4	3.2	525.6	4.4	2.7	301.7	2.2	0.1	1.0	0.0	0.0	1.7	0.0	0.0	9.5	0.5	1.7	313.9	2.8	1.8
3rd Party	0%	0%	0%	12%	42%	14%	0%	0%	0%	15%	44%	0%	0%	0%	0%	0%	0%	0%	30%	86%	100%	15%	52%	95%
Equipment Failure	1%	9%	0%	88%	58%	86%	9%	22%	36%	48%	39%	100%	0%	0%	0%	71%	25%	0%	0%	0%	0%	47%	32%	5%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	37%	16%	0%	100%	100%	0%	29%	75%	0%	0%	0%	0%	36%	13%	0%
Other	0%	0%	0%	0%	0%	0%	1%	3%	36%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	16%	73%	100%	0%	0%	0%	8%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	83%	18%	0%	0%	0%	0%	81%	57%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	70%	14%	0%	2%	3%	0%
ST. JOHNS(12KV) - Customers: 1,501	682.7	6.0	3.0	308.4	2.4	2.8	1.7	0.0	1.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	3.0	0.1	1.0	3.3	0.1	1.0
3rd Party	11%	33%	0%	45%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Equipment Failure	22%	30%	67%	1%	1%	36%	0%	0%	0%	0%	0%	0%	41%	33%	0%	0%	0%	0%	0%	0%	0%	3%	1%	0%
Operation	0%	0%	0%	2%	0%	36%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	89%	95%	0%
Other	61%	27%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	59%	67%	0%	0%	0%	0%	0%	0%	0%	8%	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	5%	11%	33%	52%	52%	28%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
STURGEON(12KV) - Customers: 480	12.6	0.0	1.5	6.5	0.0	0.0	58.0	1.1	3.1	9.1	0.0	0.0	16.4	0.3	0.0	50.8	0.5	0.0	28.4	0.2	0.0	104.6	1.0	0.0
3rd Party	9%	22%	0%	0%	0%	0%	3%	0%	35%	0%	0%	0%	84%	99%	0%	100%	100%	0%	0%	0%	0%	62%	80%	0%
Equipment Failure	61%	56%	0%	100%	100%	0%	88%	99%	34%	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%	100%	100%	0%	36%	20%	0%
Other	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	30%	22%	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%	9%	1%	31%	0%	0%	0%	16%	1%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
TERMINUS(12KV) - Customers: 307	344.7	0.6	5.4	205.0	2.7	7.4	221.2	2.3	9.1	0.0	0.0	1.0	26.8	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	26.8	1.0	3.0
3rd Party	0%	0%	0%	0%	0%	13%	17%	43%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	37%	100%	100%	33%	78%	30%	3%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Operation	0%	0%	0%	0%	0%	0%	5%	27%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	99%	99%	63%	0%	0%	13%	0%	0%	55%	0%	0%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	67%
Vegetation/Animal	0%	0%	0%	0%	0%	13%	0%	0%	11%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	27%	0%	0%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TLSMITH(12KV) - Customers: 551	381.3	3.2	1.0	111.3	1.1	1.9	129.3	2.0	0.0	39.8	1.0	0.0	14.3	0.6	3.0	12.5	0.0	0.0	0.0	0.0	0.0	66.5	1.6	3.0
3rd Party	22%	36%	0%	100%	100%	48%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Equipment Failure	18%	32%	100%	0%	0%	0%	2%	0%	0%	100%	100%	0%	76%	2%	0%	0%	0%	0%	0%	0%	0%	76%	62%	0%
Operation	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	24%	98%	0%	100%	100%	0%	0%	0%	0%	24%	38%	0%
Other	60%	32%	0%	0%	0%	0%	32%	49%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Vegetation/Animal	0%	0%	0%	0%	0%	52%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	65%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
VOSSLER(12KV) - Customers: 501	0.0	0.0	1.2	165.3	1.0	2.6	139.2	1.0	1.0	0.0	0.0	0.0	55.1	1.2	0.0	44.3	0.2	0.0	107.5	1.2	0.0	206.9	2.6	0.0
3rd Party	0%	0%	0%	100%	99%	61%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	27%	46%	0%
Equipment Failure	0%	0%	0%	0%	1%	0%	48%	96%	100%	0%	0%	0%	0%	0%	0%	86%	50%	0%	100%	100%	0%	70%	50%	0%
Operation	0%	0%	15%	0%	0%	0%	12%	2%	0%	0%	0%	0%	0%	0%	0%	14%	50%	0%	0%	0%	0%	3%	4%	0%
Other	0%	0%	0%	0%	0%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	85%	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%	40%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WELLS(12KV) - Customers: 1,565	232.5	3.3	3.5	333.0	2.7	3.2	169.3	1.8	1.1	2.3	0.0	0.0	8.9	0.0	1.0	235.4	1.4	1.0	77.9	0.6	0.1	324.5	2.1	2.1
3rd Party	28%	29%	0%	0%	0%	54%	69%	58%	6%	0%	0%	0%	18%	33%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
Equipment Failure	9%	23%	22%	6%	30%	0%	10%	39%	0%	58%	26%	0%	61%	33%	0%	99%	98%	100%	1%	0%	0%	74%	67%	48%
Operation	9%	2%	0%	1%	3%	0%	2%	0%	0%	42%	74%	0%	22%	33%	0%	1%	2%	0%	99%	100%	100%	25%	32%	6%
Other	0%	0%	28%	93%	67%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	31%	22%	0%	0%	0%	21%	3%	2%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	46%
Weather/Fire/Earthquake	23%	24%	51%	0%	0%	25%	15%	1%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare District 1

	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
WUTCHUMNA(12KV) - Customers: 1,386	257.2	1.1	0.0	17.4	0.5	0.6	16.6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	7.5	0.1	0.0	21.2	0.1	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%	64%	39%	0%
Equipment Failure	8%	6%	0%	68%	94%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	36%	61%	0%
Operation	0%	0%	0%	32%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	92%	94%	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%
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%