



Circuit Reliability Review

Tulare

January 2017

Providing Safe, Reliable, and Affordable Power

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

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

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

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

Understanding Your Reliability Report

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

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

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

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

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

Reliability Metrics

MOMENTARY OUTAGES:

OUTAGES LASTING 5 MINUTES OR LESS

MAIFI:

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

SUSTAINED OUTAGES:

OUTAGES LASTING LONGER THAN 5 MINUTES

SAIFI:

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

SAIDI:

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

Cities and Communities 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.

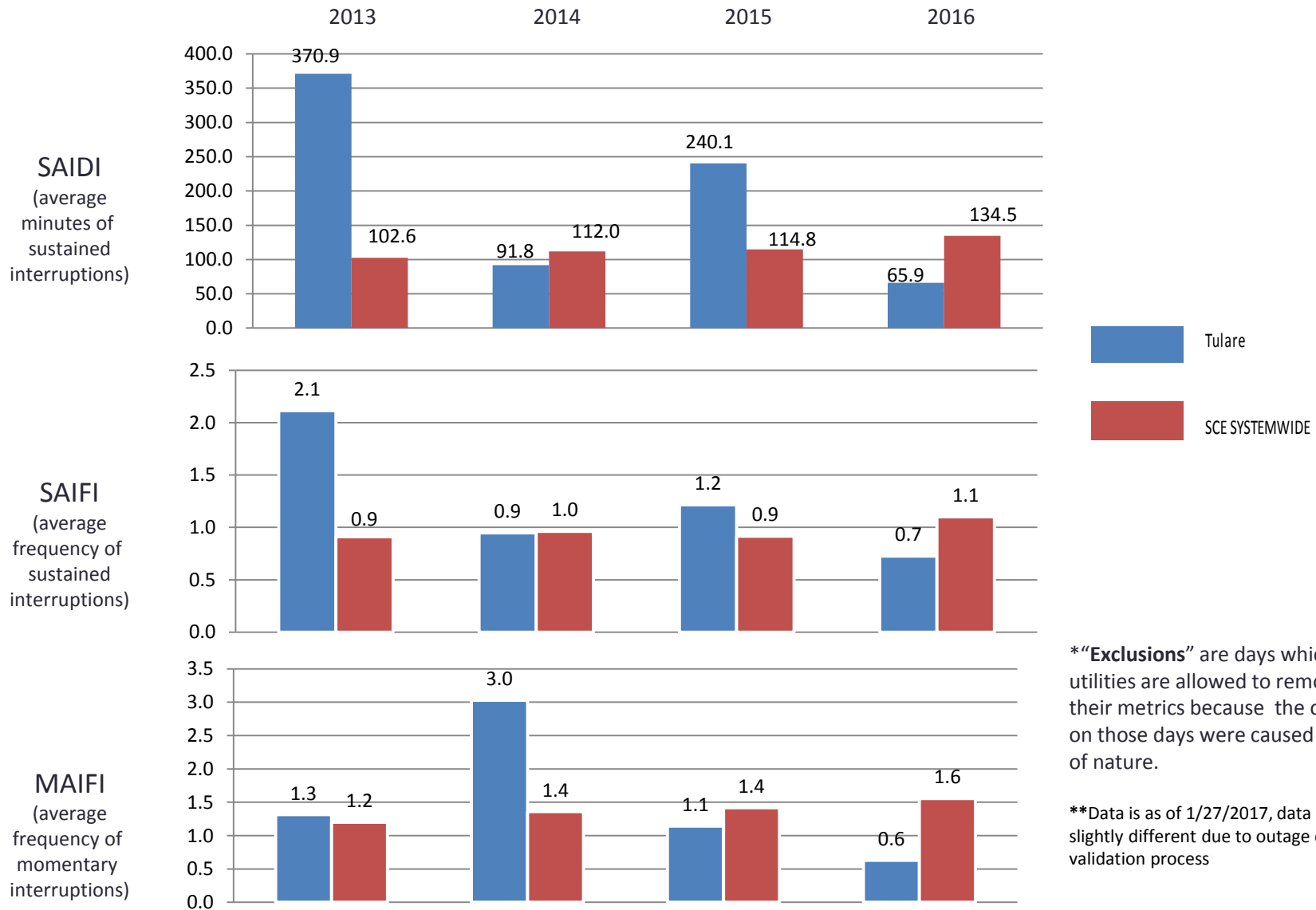
Overview of Tulare

There are 23 circuits that serve Tulare

Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers
AURORA(12KV)	1,641						
CANBY(12KV)	1,291						
CARTMILL(12KV)	747						
CATTLE(12KV)	993						
CHEESE(12KV)	134						
ELK(12KV)	169						
FOGG(12KV)	1,617						
GLOVER(12KV)	195						
GREEN(12KV)	213						
GUERNSEY(12KV)	1,166						
MATHIAS(12KV)	2,375						
MID VALLE(12KV)	1,081						
MILK(12KV)	1,819						
OAKLAND(12KV)	168						
PAIGE(12KV)	1,890						
RINKER(12KV)	1,967						
SERENITY(12KV)	1,025						
STEELMAN(12KV)	1,031						
SWALL(12KV)	1,308						
TLSMITH(12KV)	551						
TUGGLE(12KV)	1,474						
TURNER(12KV)	1,197						
WHEY(12KV)	1,813						

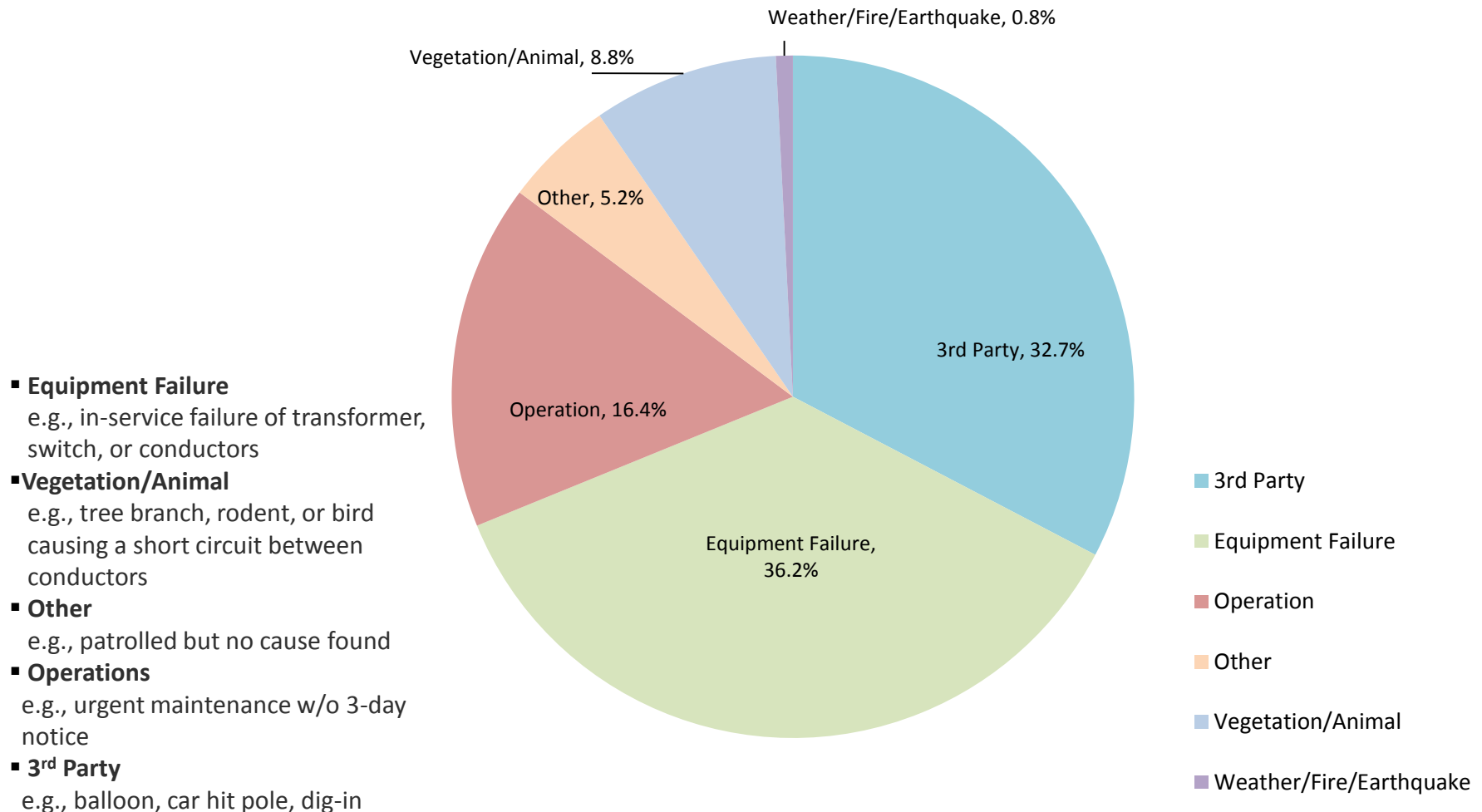
Grand Total 25,865

Reliability History of Circuits Serving Tulare (No Exclusions)



Causes of Repair Outages in Tulare Circuits 2016 YTD

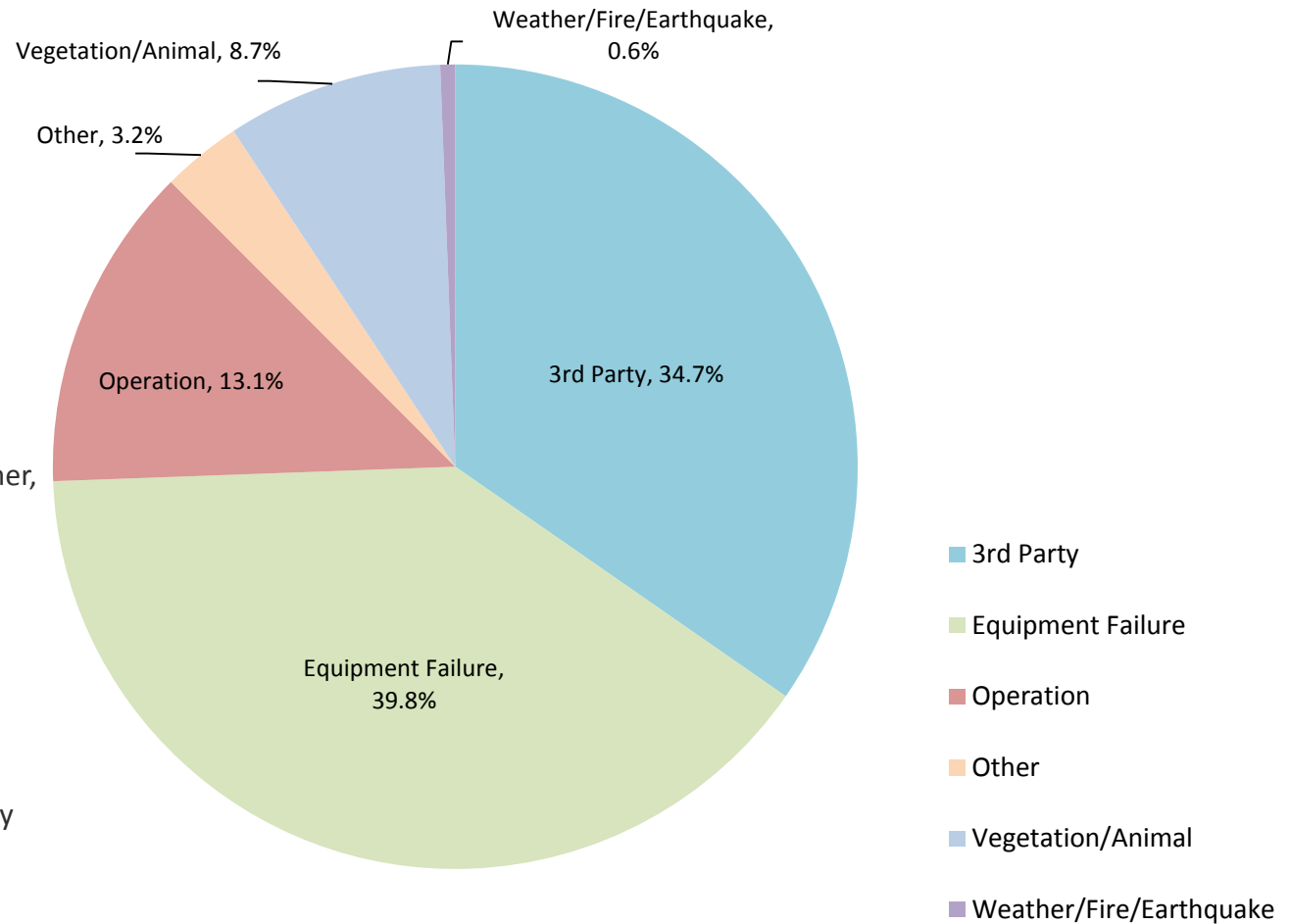
Contributions to SAIDI by Outage Cause



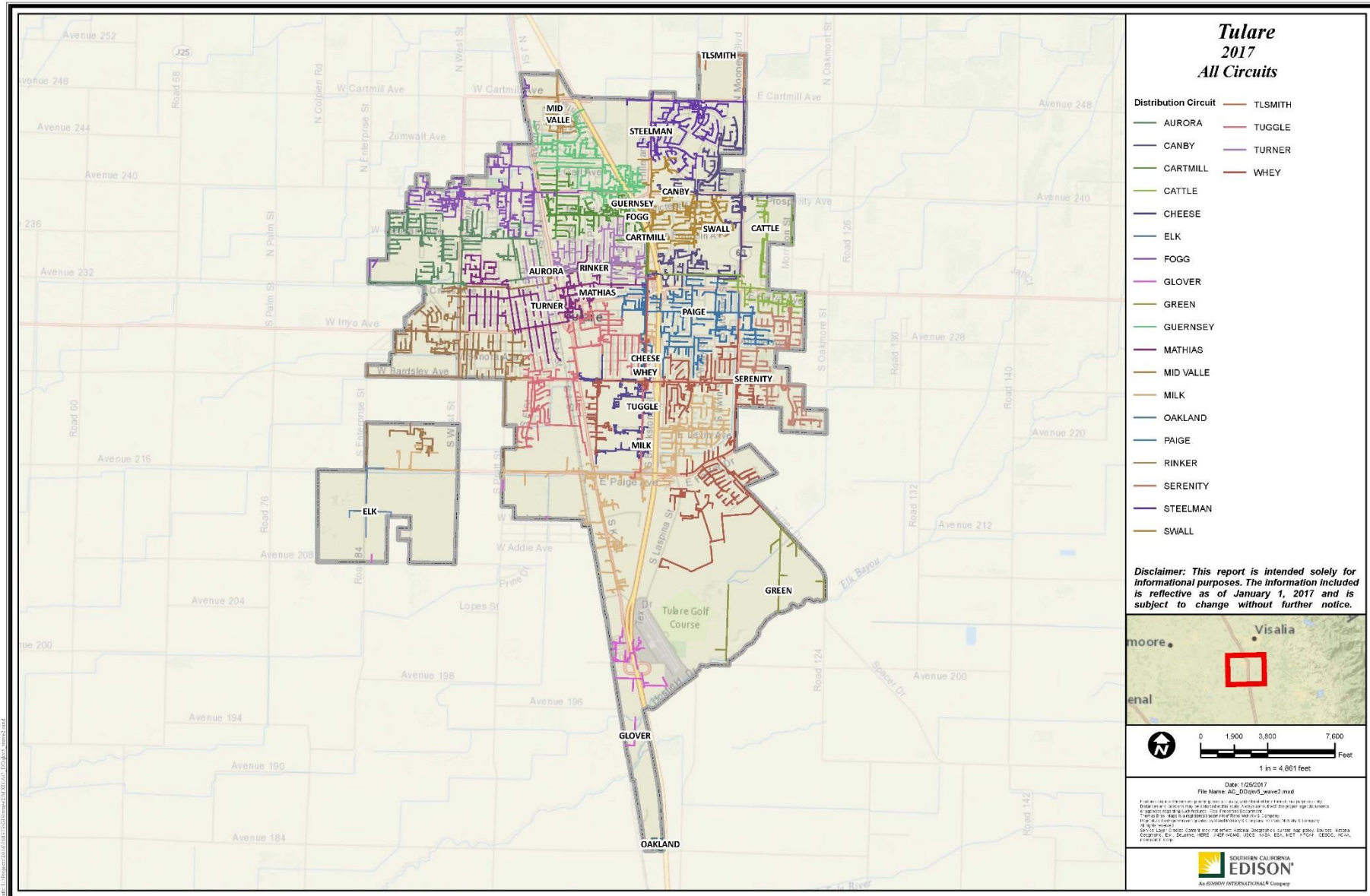
SAIDI = the cumulative amount of time the average customer is interrupted by “sustained” outages each year.

Causes of Repair Outages in Tulare 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

Updated through Year-End 2016

Average Reliability of 23 Circuits Serving Tulare

	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	370.9	2.1	1.3	91.8	0.9	3.0	240.1	1.2	1.1	14.9	0.1	0.1	11.7	0.2	0.2	16.6	0.1	0.1	22.7	0.3	0.2	65.9	0.7	0.6
3rd Party	3%	11%	12%	22%	36%	10%	3%	15%	12%	16%	37%	41%	41%	11%	16%	19%	38%	37%	49%	46%	85%	33%	35%	49%
Equipment Failure	13%	20%	25%	58%	31%	26%	58%	22%	23%	44%	47%	3%	37%	75%	29%	63%	41%	0%	11%	15%	15%	36%	40%	13%
Operation	2%	8%	10%	19%	28%	1%	2%	8%	6%	32%	14%	0%	22%	13%	9%	4%	5%	0%	13%	16%	0%	16%	13%	2%
Other	73%	51%	18%	1%	5%	6%	2%	3%	36%	7%	2%	56%	0%	0%	18%	14%	16%	63%	0%	0%	0%	5%	3%	29%
Vegetation/Animal	1%	4%	4%	0%	0%	56%	1%	3%	0%	0%	0%	0%	0%	0%	27%	0%	0%	0%	25%	21%	0%	9%	9%	7%
Weather/Fire/Earthquake	9%	6%	32%	0%	0%	0%	34%	49%	23%	1%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	1%	1%	0%
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

	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
AURORA(12KV) - Customers: 1,641	327.9	1.9	0.0	0.5	0.0	1.8	395.6	1.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	93.0	1.0	0.0	94.2	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%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	1%	1%	0%
Operation	3%	48%	0%	100%	100%	0%	2%	5%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	87%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	99%	99%	0%
Weather/Fire/Earthquake	11%	5%	0%	0%	0%	0%	98%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CANBY(12KV) - Customers: 1,291	56.8	1.0	0.0	5.2	0.3	3.0	34.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	1.0	1.0	33.6	0.1	0.0	100.7	1.1	1.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	88%	98%	100%	0%	0%	0%	58%	87%	100%
Equipment Failure	2%	3%	0%	0%	0%	33%	38%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	62%	78%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	33%	11%	0%
Other	98%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	12%	2%	0%	0%	0%	0%	8%	2%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	67%	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%
CARTMILL(12KV) - Customers: 747	99.1	2.1	1.0	0.6	0.0	4.0	69.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	155.3	0.8	0.8	155.3	0.8	0.8
3rd Party	0%	0%	0%	0%	0%	0%	87%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	95%	100%	98%	95%	100%
Equipment Failure	35%	49%	0%	0%	0%	25%	8%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	61%	50%	100%	0%	0%	25%	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%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	4%	2%	0%	0%	0%	0%	4%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	5%	0%	2%	5%	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

	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
CHEESE(12KV) - Customers: 134	270.5	2.0	0.0	523.0	1.0	2.0	147.5	1.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	7%	9%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	5%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	88%	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ELK(12KV) - Customers: 169	820.9	6.7	2.3	49.1	0.9	1.9	13.3	0.0	0.0	17.5	0.0	1.9	412.0	1.2	1.1	29.1	0.2	0.6	0.0	0.0	0.0	458.6	1.4	3.6
3rd Party	3%	6%	28%	34%	49%	0%	0%	0%	0%	0%	100%	100%	100%	0%	100%	100%	100%	0%	0%	0%	96%	97%	69%	
Equipment Failure	26%	46%	0%	25%	5%	42%	93%	82%	0%	5%	14%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	16%
Operation	0%	0%	0%	37%	45%	0%	7%	18%	0%	15%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	26%	21%	72%	0%	0%	0%	0%	0%	0%	16%	21%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Vegetation/Animal	1%	16%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	16%
Weather/Fire/Earthquake	44%	11%	0%	0%	0%	58%	0%	0%	0%	64%	43%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%
FOGG(12KV) - Customers: 1,617	286.1	1.3	1.7	241.9	3.2	5.7	51.3	0.4	0.8	16.7	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	1.0
3rd Party	0%	0%	0%	68%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	6%	5%	48%	5%	1%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	3%	6%	0%
Operation	0%	0%	0%	25%	32%	0%	5%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	39%	76%	0%	0%	0%	17%	38%	17%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	97%	94%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	61%	24%	100%	0%	0%	0%	52%	41%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GLOVER(12KV) - Customers: 195	646.2	5.1	1.2	11.6	0.0	1.0	481.3	3.5	1.5	0.0	0.0	1.4	101.2	1.1	3.0	0.2	0.0	0.0	93.7	1.0	0.8	195.0	2.0	5.2
3rd Party	4%	20%	83%	0%	0%	0%	6%	26%	15%	0%	0%	100%	0%	0%	0%	0%	0%	0%	98%	81%	0%	47%	39%	28%
Equipment Failure	1%	0%	0%	71%	52%	0%	6%	1%	0%	0%	0%	0%	91%	96%	26%	0%	0%	0%	0%	0%	100%	47%	50%	30%
Operation	0%	0%	0%	29%	48%	0%	1%	1%	0%	0%	0%	0%	5%	1%	48%	100%	100%	0%	2%	19%	0%	4%	10%	28%
Other	57%	36%	16%	0%	0%	100%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	2%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%	0%	0%	15%
Weather/Fire/Earthquake	36%	25%	1%	0%	0%	0%	85%	71%	85%	0%	0%	0%	4%	3%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%

Reliability Histories for Individual Circuits Serving Tulare

	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
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%
GUERNSEY(12KV) - Customers: 1,166	344.9	1.1	0.0	0.0	0.0	3.0	1545.7	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	130.8	1.1	0.0	0.0	0.0	0.0	130.8	1.1	0.0
3rd Party	0%	0%	0%	0%	0%	0%	1%	46%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	7%	2%	0%	0%	0%	33%	98%	52%	50%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	100%	100%	100%
Operation	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	93%	98%	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%	67%	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%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MATHIAS(12KV) - Customers: 2,375	406.6	4.2	0.7	1.9	0.0	3.0	62.8	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	0.2	1.0	1.2	0.2	2.0
3rd Party	9%	17%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	100%	100%	50%
Equipment Failure	9%	17%	50%	38%	35%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	5%	24%	0%	62%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	78%	42%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	50%
Vegetation/Animal	0%	0%	0%	0%	0%	67%	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%
MID VALLE(12KV) - Customers: 1,081	339.5	1.6	0.6	48.4	0.2	0.9	109.1	1.1	3.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	7.6	0.1	0.0	10.1	0.1	0.0
3rd Party	5%	25%	100%	0%	0%	0%	38%	73%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	8%	6%	0%	100%	100%	100%	49%	26%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Operation	10%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	76%	66%	0%	0%	0%	0%	0%	0%	33%	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%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Reliability Histories for Individual Circuits Serving Tulare

	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
MILK(12KV) - Customers: 1,819	362.5	1.8	4.1	64.9	1.1	3.0	902.1	2.0	0.0	0.0	0.0	0.0	31.7	1.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	32.1	1.0	0.0
3rd Party	0%	0%	23%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	100%	100%	0%	1%	1%	100%
Equipment Failure	1%	0%	0%	99%	98%	33%	92%	49%	0%	0%	0%	0%	48%	92%	0%	0%	0%	0%	0%	0%	0%	47%	90%	0%
Operation	0%	0%	0%	1%	2%	0%	0%	1%	0%	0%	0%	0%	52%	8%	0%	0%	0%	0%	0%	0%	0%	52%	8%	0%
Other	85%	54%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	9%	39%	6%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	5%	7%	47%	0%	0%	0%	7%	49%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
OAKLAND(12KV) - Customers: 168	19.8	2.1	3.0	143.9	1.7	5.2	470.8	5.1	0.0	0.0	0.0	1.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
3rd Party	9%	6%	0%	74%	99%	82%	24%	42%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	26%
Equipment Failure	0%	0%	0%	26%	1%	18%	1%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	25%
Operation	0%	0%	0%	0%	0%	0%	5%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	56%	47%	100%	0%	0%	0%	45%	21%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	25%
Vegetation/Animal	35%	47%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	25%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	25%	19%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PAIGE(12KV) - Customers: 1,890	449.7	2.6	2.7	227.6	0.9	3.1	156.1	3.0	1.0	4.1	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	11.2	0.1	0.0	21.5	0.1	0.0
3rd Party	1%	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	18%	59%	33%	99%	97%	6%	17%	5%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	82%	50%	0%	72%	41%	0%
Operation	2%	2%	29%	1%	3%	0%	16%	28%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	18%	50%	0%	28%	59%	100%
Other	79%	39%	0%	0%	0%	31%	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%	63%	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%	67%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RINKER(12KV) - Customers: 1,967	352.6	1.0	0.0	50.8	0.5	2.9	103.6	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	1%	1%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	95%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	1%	1%	0%	0%	0%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	4%	1%	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

	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
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%
STEELMAN(12KV) - Customers: 1,031	241.3	2.1	1.0	24.2	0.2	2.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.9	0.0	14.7	0.9	0.0
3rd Party	0%	0%	0%	60%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	6%	48%	100%	3%	1%	0%	89%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	5%	0%	0%	0%	0%	11%	75%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%
Other	91%	47%	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%	37%	50%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
SWALL(12KV) - Customers: 1,308	386.2	1.2	0.0	125.2	0.3	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.6	0.2	0.0	9.8	0.0	0.0	47.4	0.2	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	17%	15%	0%	99%	87%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	83%	28%	0%	0%	0%	0%	65%	21%	0%
Operation	0%	1%	0%	1%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	17%	72%	0%	100%	100%	0%	35%	79%	0%
Other	83%	84%	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%	67%	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%
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%

Reliability Histories for Individual Circuits Serving Tulare

	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
TUGGLE(12KV) - Customers: 1,474	874.4	3.2	3.4	72.9	1.0	3.5	190.3	2.1	1.5	0.0	0.0	0.0	47.8	1.1	0.4	0.0	0.0	0.0	27.2	0.7	0.4	75.1	1.8	0.9
3rd Party	0%	0%	0%	0%	0%	0%	11%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	50%	53%	51%	83%	97%	0%	28%	25%	33%	0%	0%	0%	58%	94%	100%	0%	0%	0%	100%	100%	100%	73%	96%	100%
Operation	0%	0%	0%	17%	2%	14%	0%	0%	0%	0%	0%	0%	42%	6%	0%	0%	0%	0%	0%	0%	0%	27%	4%	0%
Other	41%	31%	15%	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%	86%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	9%	15%	34%	0%	0%	0%	61%	48%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TURNER(12KV) - Customers: 1,197	335.6	1.0	0.0	79.7	1.4	2.0	7.2	0.0	1.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	1%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	82%	26%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%
Other	100%	99%	0%	18%	74%	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%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
WHEY(12KV) - Customers: 1,813	444.2	2.6	3.0	78.3	2.1	4.3	14.7	0.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	67.9	0.3	0.0	74.9	1.0	0.0	142.7	1.3	0.0
3rd Party	16%	50%	0%	40%	44%	30%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	52%	76%	0%
Equipment Failure	1%	2%	33%	1%	2%	23%	100%	100%	24%	0%	0%	0%	0%	0%	0%	59%	12%	0%	0%	0%	0%	28%	3%	0%
Operation	4%	2%	34%	57%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	77%	46%	33%	2%	0%	0%	0%	0%	76%	0%	0%	0%	0%	0%	0%	41%	88%	0%	0%	0%	0%	20%	21%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	47%	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%