

Circuit Reliability Review Gardena

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

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 South Bay District

Alondra Park

Del Aire

El Segundo

Gardena

Hawthorne

Hermosa Beach

Inglewood

Ladera Heights

Lawndale

Lennox

Lomita

Los Angeles

Manhattan Beach

Palos Verdes Estates

Rancho Palos Verdes

Redondo Beach

Rolling Hills

Rolling Hills Estates

Torrance

View Park-Windsor Hills

West Athens

Westmont

Reliability by SCE District (No Exclusions)

		20	12			20:	13			20	14			20	15			20	16	
	District	SAIDI	District	SAIFI																
District Name	SAIDI	RANKING	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	

^{*&}quot;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.

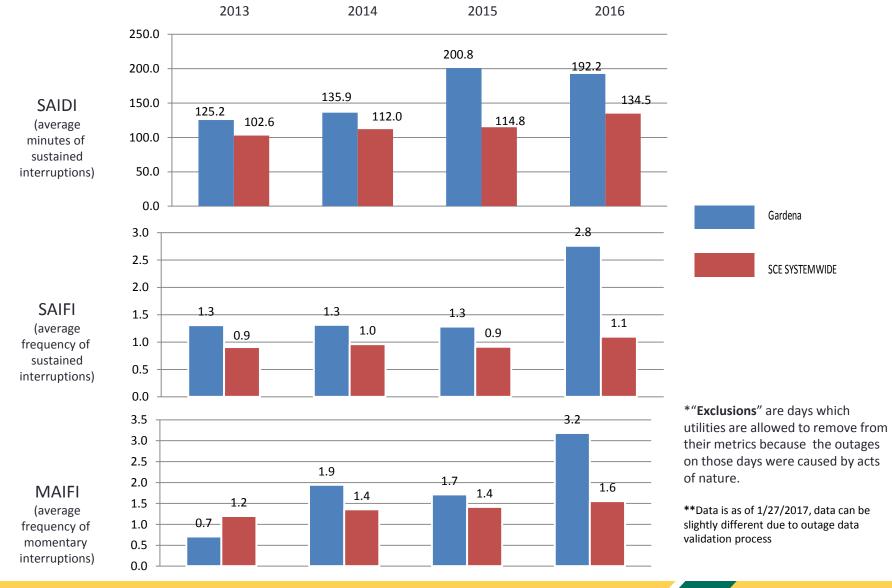
^{**}In the columns showing "Rank," lower numbers indicate poorer performance.

Overview of Gardena

There are 28 circuits that serve Gardena

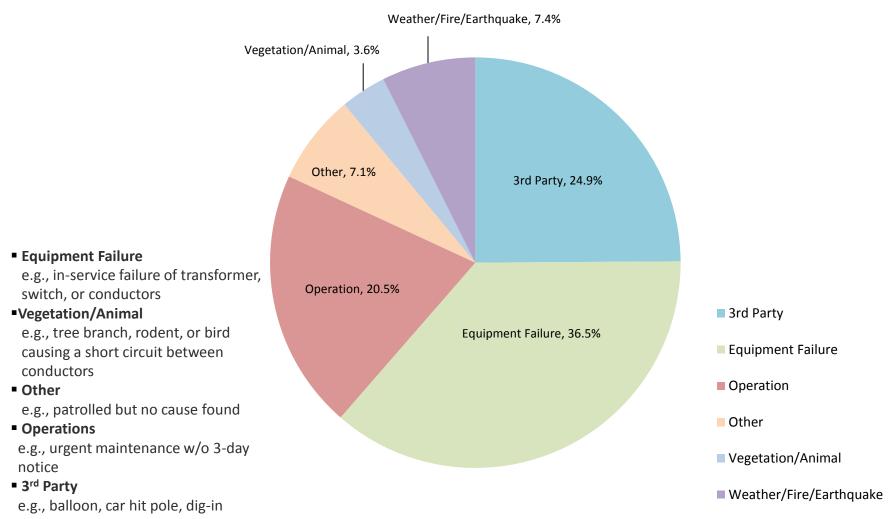
Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Circuit Type	Sum of Customers	Sum of Customers Circuit Type
LASKA(16KV)	1,762					
MESTOY(4.16KV)	1,011					
AKE(16KV)	3,357					
CARTER(4.16KV)	1,139					
CHADRON(16KV)	972					
COPRA(4.16KV)	670					
CRENSHAW(4.16KV)	1,102					
DALESIDE(16KV)	3,520					
DELID(4.16KV)	1,165					
DOMINGUEZ(16KV)	1,514					
EZRA(4.16KV)	1,028					
FACTOR(16KV)	387					
FIRMONA(16KV)	1,897					
GIRDER(4.16KV)	1,243					
GRANDVIEW(4.16KV)	904					
HALLDALE(16KV)	2,748					
ILLINOIS(4.16KV)	1,058					
JOHANNA(4.16KV)	914					
JUNEAU(4.16KV)	629					
OCCIDENTAL(16KV)	702					
PACOMA(4.16KV)	1,129					
PALM(4.16KV)	1,574					
PENTHOUSE(16KV)	1,253					
RHUMBA(16KV)	4,029					
RIVET(4.16KV)	716					
RUTHELLEN(16KV)	1,817					
TRUSS(4.16KV)	1,499					
WESTERN(16KV)	148					
, ,						
Grand Total	39,887					

Reliability History of Circuits Serving Gardena (No Exclusions)



Causes of Repair Outages in Gardena Circuits 2016 YTD

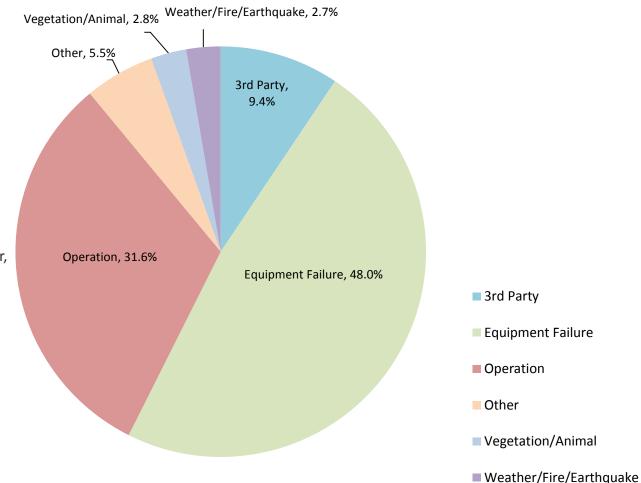
Contributions to SAIDI by Outage Cause



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

Causes of Repair Outages in Gardena Circuits 2016 YTD

Contributions to SAIFI by Outage Cause



Equipment Failure
e.g., in-service failure of transformer,
switch, or conductors

■Vegetation/Animal

e.g., tree branch, rodent, or bird causing a short circuit between conductors

Other

e.g., patrolled but no cause found

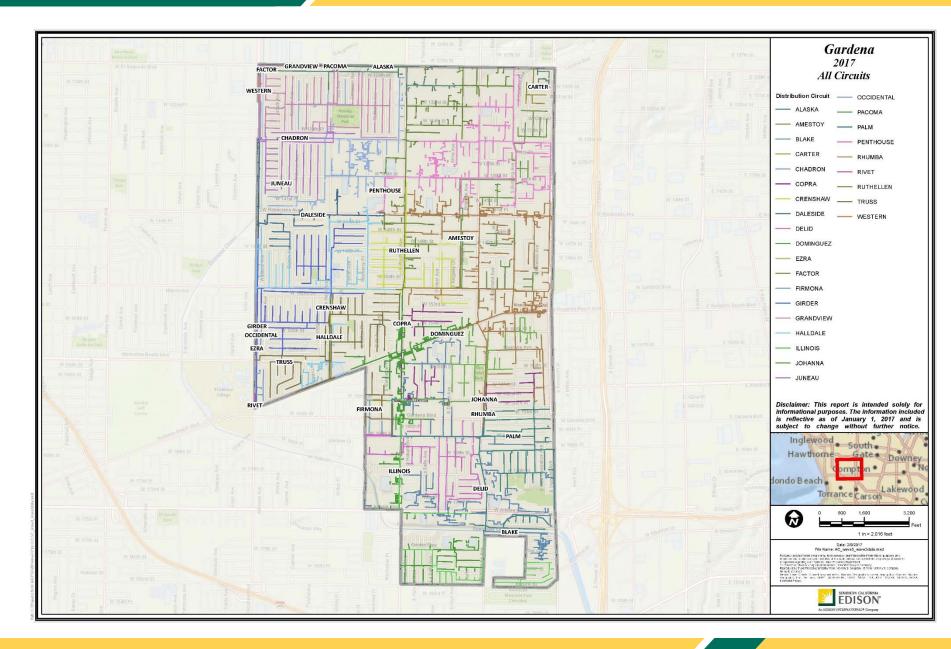
Operations

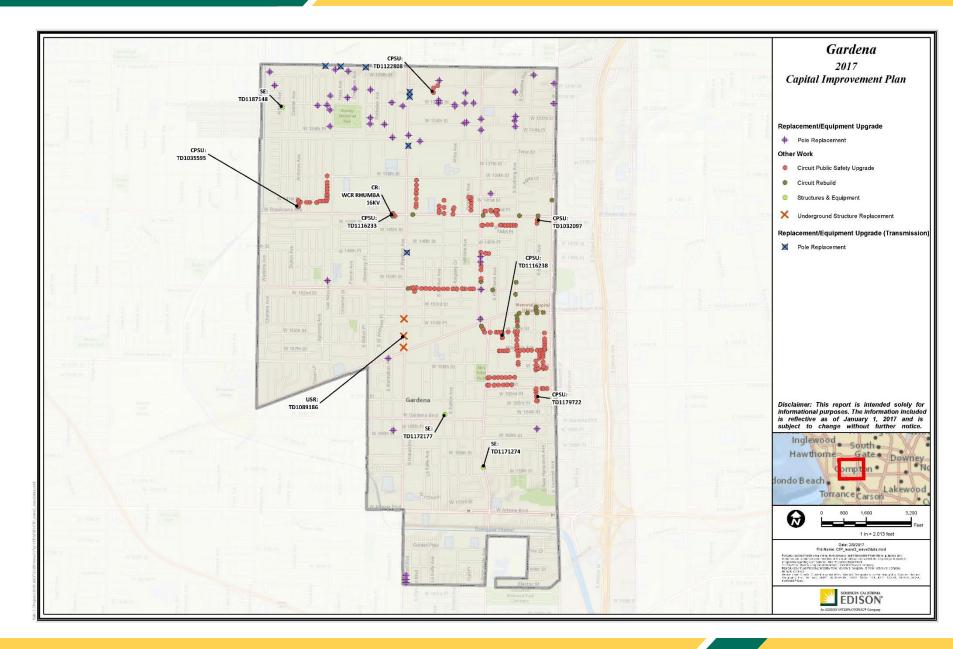
e.g., urgent maintenance w/o 3-day notice

■ 3rd Party

e.g., balloon, car hit pole, dig-in

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





Back-up Slides

Reliability Histories of Circuits Serving Gardena

Updated through Year-End 2016

Average Reliability of 28 Circuits Serving Gardena

		2013			2014			2015		1st	Qtr 20	16	2nc	Qtr 20	016	3rd	Qtr 20	16	4th	Qtr 20	16		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIF
Gardena	125.2	1.3	0.7	135.9	1.3	1.9	200.8	1.3	1.7	50.1	0.4	0.8	9.7	0.1	0.8	92.0	1.3	1.4	40.4	0.9	0.2	192.2	2.8	3.2
3rd Party	20%	11%	23%	31%	29%	23%	25%	27%	19%	9%	17%	26%	24%	39%	21%	37%	6%	43%	17%	6%	70%	25%	9%	35%
Equipment Failure	47%	58%	25%	35%	23%	4%	35%	34%	2%	51%	34%	23%	39%	33%	11%	43%	86%	51%	2%	0%	16%	37%	48%	31%
Operation	4%	10%	6%	5%	9%	8%	10%	10%	5%	2%	12%	10%	6%	3%	0%	12%	4%	0%	67%	86%	0%	21%	32%	2%
Other	21%	12%	21%	9%	7%	35%	8%	13%	15%	0%	7%	19%	0%	0%	15%	8%	4%	2%	14%	8%	14%	7%	5%	10%
Vegetation/Animal	3%	5%	16%	0%	7%	19%	3%	5%	48%	8%	11%	13%	30%	24%	53%	0%	0%	4%	0%	0%	0%	4%	3%	19%
Weather/Fire/Earthquake	5%	4%	9%	20%	25%	10%	18%	11%	12%	28%	18%	9%	1%	0%	0%	0%	0%	0%	0%	0%	0%	7%	3%	2%
SCE Systemwide	102.6	0.9	1.2	112.0	1.0	1.4	114.8	0.9	1.4	40.5	0.3	0.4	34.8	0.3	0.4	29.4	0.2	0.3	29.8	0.3	0.4	134.5	1.1	1.0

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.

	2	2013			2014			2015		1st	Qtr 20	16	2na	Qtr 20	16	3rd	Qtr 20	16	4th	Qtr 20	016		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
ALASKA(16KV) - Customers: 1,762	189.3	3.1	1.0	316.8	2.7	2.5	12.4	0.1	1.3	63.2	1.0	2.0	1.1	0.0	0.0	37.9	2.0	1.0	35.9	1.0	1.0	138.1	4.1	4.0
3rd Party	47%	33%	100%	1%	2%	0%	0%	0%	0%	94%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	43%	25%	25%
Equipment Failure	5%	1%	0%	0%	0%	0%	27%	19%	0%	3%	0%	100%	0%	0%	0%	100%	100%	100%	20%	2%	0%	34%	50%	75%
Operation	22%	34%	0%	0%	1%	0%	16%	18%	0%	3%	4%	0%	100%	100%	0%	0%	0%	0%	80%	98%	0%	23%	26%	0%
Other	0%	0%	0%	0%	0%	80%	56%	63%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	27%	32%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	99%	97%	20%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AMESTOY(4.16KV) - Customers: 1,011	282.9	2.7	1.0	2.8	0.0	1.0	987.1	1.5	2.0	311.2	1.0	0.0	0.0	0.0	1.0	123.5	1.0	0.0	99.4	1.0	0.0	534.2	3.0	1.0
3rd Party	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	0%	23%	33%	100%
Equipment Failure	30%	37%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	100%	100%	0%	38%	28%	50%	2%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	19%	33%	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	70%	63%	100%	0%	0%	0%	61%	70%	0%	98%	96%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	33%	0%
BLAKE(16KV) - Customers: 3,357	153.0	2.1	1.0	268.2	1.9	0.0	18.6	1.0	0.0	0.9	0.0	0.0	0.1	0.0	0.0	23.1	0.2	0.8	0.0	0.0	0.0	24.1	0.2	0.8
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	96%	96%	100%
Equipment Failure	96%	98%	0%	98%	99%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	3%	1%	0%	2%	1%	0%	0%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	4%	4%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	1%	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%
CARTER(4.16KV) - Customers: 1,139	20.4	0.1	0.0	20.0	1.0	8.0	303.2	1.4	0.0	179.8	1.1	2.0	0.0	0.0	0.0	431.3	3.5	3.5	31.9	1.0	0.0	643.0	5.7	5.5
3rd Party	0%	0%	0%	100%	100%	25%	18%	70%	0%	0%	0%	0%	0%	0%	0%	47%	7%	43%	0%	0%	0%	31%	5%	27%
Equipment Failure	100%	100%	0%	0%	0%	0%	82%	29%	0%	96%	10%	0%	0%	0%	0%	9%	57%	29%	0%	0%	0%	33%	37%	18%
Operation	0%	0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	42%	7%	0%	100%	100%	0%	33%	23%	0%
Other	0%	0%	0%	0%	0%	75%	0%	0%	0%	4%	90%	100%	0%	0%	0%	3%	28%	29%	0%	0%	0%	3%	35%	55%
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%

	2	2013			2014			2015		1st	Qtr 20	16	2nd	l Qtr 20	016	3rd	Qtr 20	16	4th	Qtr 20	16		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
CHADRON(16KV) - Customers: 972	47.2	1.0	0.0	747.5	2.0	1.5	3.0	0.0	2.0	0.0	0.0	0.0	47.3	1.0	1.0	34.8	2.0	1.0	30.8	1.0	0.0	112.9	4.0	2.0
3rd Party	0%	0%	0%	49%	50%	34%	0%	0%	0%	0%	0%	0%	99%	100%	0%	0%	0%	0%	0%	0%	0%	42%	25%	0%
Equipment Failure	100%	100%	0%	51%	50%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	100%	100%	100%	0%	0%	0%	31%	50%	50%
Operation	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	27%	25%	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%	66%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
COPRA(4.16KV) - Customers: 670	106.4	1.0	0.0	6.8	0.0	0.0	33.2	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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%	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%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
CRENSHAW(4.16KV) - Customers: 1,102	81.5	1.0	0.0	0.9	0.0	0.0	269.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	50%
Equipment Failure	100%	100%	0%	22%	25%	0%	96%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	78%	75%	0%	4%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	50%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DALESIDE(16KV) - Customers: 3,520	276.0	1.5	0.5	33.9	2.0	3.9	170.1	0.9	2.1	3.4	0.0	0.0	0.0	0.0	2.0	57.1	1.5	1.0	40.1	1.0	0.0	100.6	2.5	3.0
3rd Party	80%	62%	18%	58%	50%	22%	0%	0%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Equipment Failure	18%	36%	82%	0%	0%	0%	97%	97%	4%	100%	100%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	60%	60%	33%
Operation	2%	2%	0%	24%	1%	26%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	40%	40%	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%	18%	50%	26%	3%	3%	96%	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	26%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	2	2013		į	2014			2015		1st	Qtr 20	16	2na	Qtr 20	16	3rd	Qtr 201	16	4th	Qtr 20	016		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
DELID(4.16KV) - Customers: 1,165	173.0	3.0	0.0	97.4	1.0	1.9	211.4	1.3	1.9	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%	100%	100%	47%	0%	0%	54%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	66%	67%	0%	0%	0%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	53%	60%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	34%	33%	0%	0%	0%	53%	44%	39%	46%	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%
DOMINGUEZ(16KV) - Customers: 1,514	285.1	3.4	2.7	18.5	0.0	0.0	712.4	3.1	0.0	9.9	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	1.0	12.2	0.1	2.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	68%	58%	26%	39%	52%	0%	100%	99%	0%	69%	19%	0%	0%	0%	0%	0%	0%	0%	55%	41%	100%	66%	23%	50%
Operation	1%	12%	0%	61%	48%	0%	0%	0%	0%	31%	81%	100%	0%	0%	0%	0%	0%	0%	45%	59%	0%	34%	77%	50%
Other	30%	30%	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%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	1%	0%	37%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
EZRA(4.16KV) - Customers: 1,028	0.0	0.0	1.0	3.5	0.0	5.0	10.1	0.0	2.0	56.8	1.0	0.0	10.4	0.0	1.0	96.0	2.6	2.0	29.0	1.0	0.0	192.2	4.6	3.0
3rd Party	0%	0%	0%	0%	0%	81%	0%	0%	50%	100%	100%	0%	0%	0%	0%	0%	0%	50%	0%	0%	0%	30%	22%	33%
Equipment Failure	0%	0%	100%	100%	100%	0%	80%	41%	0%	0%	0%	0%	0%	0%	0%	50%	78%	50%	0%	0%	0%	25%	44%	33%
Operation	0%	0%	0%	0%	0%	0%	20%	59%	0%	0%	0%	0%	100%	100%	0%	50%	22%	0%	100%	100%	0%	45%	35%	0%
Other	0%	0%	0%	0%	0%	19%	0%	0%	50%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	33%
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%
FACTOR(16KV) - Customers: 387	0.0	0.0	1.0	18.2	0.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.3	2.0	3.0	29.3	1.0	0.0	67.5	3.0	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	0%	0%	0%	57%	67%	33%
Operation	0%	0%	100%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	43%	33%	0%
Other	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	67%
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%

	2	2013			2014		ı	2015		1st	Qtr 20	16	2nd	Qtr 20	16	3rd	Qtr 20 .	16	4th	Qtr 20	016		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
FIRMONA(16KV) - Customers: 1,897	93.2	1.1	0.0	12.6	0.1	0.0	54.4	1.1	2.0	85.8	1.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	100.3	1.0	0.0
3rd Party	0%	0%	0%	0%	0%	0%	14%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	91%	93%	0%	84%	84%	0%	47%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	9%	7%	0%	16%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	14%	4%	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%	39%	88%	50%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	86%	96%	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%
GIRDER(4.16KV) - Customers: 1,243	344.8	1.5	2.0	329.4	1.0	1.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	74.2	1.5	1.0	37.1	1.0	0.0	115.8	2.6	1.0
3rd Party	0%	0%	0%	96%	97%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	0%	0%	49%	4%	2%	0%	0%	0%	0%	94%	30%	0%	0%	0%	0%	99%	100%	100%	0%	0%	0%	67%	59%	100%
Operation	0%	0%	0%	0%	1%	0%	0%	0%	0%	6%	70%	0%	0%	0%	0%	1%	0%	0%	100%	100%	0%	33%	41%	0%
Other	100%	100%	51%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GRANDVIEW(4.16KV) - Customers: 904	138.6	2.0	0.0	107.2	1.0	0.0	0.0	0.0	1.0	101.6	1.0	1.0	0.0	0.0	0.0	50.0	2.0	2.0	37.6	1.0	0.0	189.3	4.1	3.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	7%	1%	50%	0%	0%	0%	2%	0%	66%
Equipment Failure	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	93%	99%	50%	0%	0%	0%	24%	50%	34%
Operation	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	20%	26%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	25%	0%
HALLDALE(16KV) - Customers: 2,748	16.9	0.1	0.0	111.9	1.0	3.0	309.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	1.0	79.6	1.3	4.8	94.4	3.0	1.0	174.0	4.3	6.8
3rd Party	3%	7%	0%	100%	100%	0%	73%	49%	2%	0%	0%	0%	0%	0%	0%	26%	4%	79%	0%	0%	100%	12%	1%	71%
Equipment Failure	91%	83%	0%	0%	0%	0%	24%	48%	2%	0%	0%	0%	0%	0%	0%	71%	95%	21%	0%	0%	0%	33%	29%	15%
Operation	3%	7%	0%	0%	0%	33%	1%	1%	0%	0%	0%	0%	0%	0%	0%	3%	2%	0%	100%	100%	0%	56%	70%	0%
Other	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	3%	3%	0%	0%	0%	35%	0%	0%	97%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	15%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	2%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

		2013		ı	2014			2015		1st	Qtr 20	16	2na	Qtr 20	16	3rd	Qtr 20	16	4th	Qtr 20	016		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
ILLINOIS(4.16KV) - Customers: 1,058	84.9	1.0	2.0	331.1	2.2	1.7	294.2	5.8	0.0	152.2	1.0	1.0	0.4	0.0	0.0	57.7	0.1	0.0	54.5	1.0	1.0	264.9	2.1	2.0
3rd Party	0%	0%	100%	16%	46%	0%	12%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	21%	47%	50%
Equipment Failure	100%	100%	0%	45%	8%	100%	44%	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	0%	0%	0%	0%	0%	0%	27%	20%	0%	1%	0%	0%	100%	100%	0%	100%	100%	0%	0%	0%	0%	22%	6%	0%
Other	0%	0%	0%	39%	46%	0%	18%	28%	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%	99%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	57%	47%	50%
JOHANNA(4.16KV) - Customers: 914	460.0	2.1	0.0	73.7	1.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	319.8	1.0	0.0	0.0	0.0	0.0	319.8	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	19%	48%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Operation	1%	4%	0%	4%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	81%	48%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	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%	96%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
JUNEAU(4.16KV) - Customers: 629	110.6	2.0	0.0	30.9	1.0	0.0	55.3	0.1	1.0	0.0	0.0	4.0	0.0	0.0	1.0	38.1	2.0	1.0	29.0	1.0	0.0	67.0	3.0	6.0
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Equipment Failure	100%	100%	0%	0%	0%	0%	98%	66%	0%	0%	0%	25%	0%	0%	0%	100%	100%	100%	0%	0%	0%	57%	67%	33%
Operation	0%	0%	0%	100%	100%	0%	2%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	43%	33%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
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%
OCCIDENTAL(16KV) - Customers: 702	160.6	2.0	0.9	55.1	0.1	1.0	677.2	2.0	4.2	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0
3rd Party	0%	0%	0%	100%	100%	100%	61%	50%	16%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	99%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	76%	33%	0%	0%	0%	0%	0%	0%	0%	76%	33%	0%
Operation	1%	0%	0%	0%	0%	0%	5%	17%	0%	0%	0%	0%	24%	67%	0%	0%	0%	0%	0%	0%	0%	24%	67%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	35%	33%	61%	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%

		2013			2014			2015		1st	Qtr 20	16	2na	Qtr 20	16	3rd	Qtr 20	16	4th	Qtr 20	16		2016	
	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIFI	SAIDI	SAIFI	MAIF
PACOMA(4.16KV) - Customers: 1,129	28.1	1.1	0.0	0.0	0.0	2.0	101.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	37.8	2.0	1.0	28.9	1.0	1.0	66.7	3.0	2.0
3rd Party	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	54%	5%	0%	0%	0%	0%	17%	2%	2%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	57%	67%	50%
Operation	46%	95%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	43%	33%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	50%
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%	83%	98%	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
PALM(4.16KV) - Customers: 1,574	85.2	1.0	1.0	161.8	1.0	1.0	31.8	0.1	2.0	203.8	1.2	3.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	203.8	1.2	4.0
3rd Party	0%	0%	0%	1%	1%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	25%
Equipment Failure	100%	100%	0%	0%	0%	0%	100%	100%	0%	94%	18%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	94%	18%	25%
Operation	0%	0%	0%	1%	2%	0%	0%	0%	50%	6%	82%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6%	82%	0%
Other	0%	0%	100%	99%	96%	0%	0%	0%	0%	0%	0%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
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%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	25%
PENTHOUSE(16KV) - Customers: 1,253	73.8	1.1	0.0	213.5	2.0	4.0	278.2	2.0	4.7	0.6	0.0	0.0	97.0	1.0	3.9	36.0	2.0	1.0	72.0	1.1	0.0	205.6	4.1	4.9
3rd Party	0%	0%	0%	83%	49%	25%	38%	50%	18%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Failure	89%	97%	100%	1%	0%	0%	0%	0%	0%	100%	100%	0%	4%	3%	0%	97%	100%	100%	0%	0%	0%	19%	49%	20%
Operation	0%	0%	0%	0%	0%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	100%	100%	0%	36%	27%	0%
Other	11%	3%	0%	11%	1%	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%	50%	0%	0%	43%	0%	0%	0%	96%	97%	100%	0%	0%	0%	0%	0%	0%	45%	24%	80%
Weather/Fire/Earthquake	0%	0%	0%	5%	50%	25%	59%	50%	39%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RHUMBA(16KV) - Customers: 4,029	2.4	0.0	0.0	170.2	2.9	1.5	447.4	3.2	4.7	109.6	1.0	2.0	18.3	0.0	3.0	137.0	2.0	2.5	42.7	1.0	0.0	307.4	4.1	7.4
3rd Party	0%	0%	0%	0%	0%	0%	48%	52%	29%	6%	1%	50%	0%	0%	0%	15%	2%	40%	0%	0%	0%	9%	1%	27%
Equipment Failure	61%	57%	0%	66%	38%	0%	0%	0%	0%	94%	99%	0%	100%	100%	33%	85%	98%	60%	8%	1%	0%	78%	74%	33%
Operation	0%	0%	0%	11%	27%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	92%	99%	0%	13%	25%	0%
Other	0%	0%	0%	0%	0%	0%	24%	32%	19%	0%	0%	0%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0%	0%	14%
Vegetation/Animal	39%	43%	0%	1%	0%	68%	0%	0%	42%	0%	0%	50%	0%	0%	34%	0%	0%	0%	0%	0%	0%	0%	0%	27%
Weather/Fire/Earthquake	0%	0%	0%	23%	35%	32%	28%	16%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

	2	2013		ı	2014			2015		151	Qtr 20	16	2nd	l Qtr 20	16	3rd	Qtr 20 .	16	4th	Qtr 20)16		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
RIVET(4.16KV) - Customers: 716	5.4	0.0	1.0	124.6	1.0	4.0	69.2	0.1	0.0	0.0	0.0	0.0	6.4	0.0	0.0	48.2	2.0	1.0	28.7	1.0	0.0	83.3	3.0	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	100%	100%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%	0%	0%	0%	58%	66%	100%
Operation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	0%	0%	0%	0%	100%	100%	0%	42%	34%	0%
Other	0%	0%	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RUTHELLEN(16KV) - Customers: 1,817	32.9	0.3	0.7	49.6	0.4	2.4	82.0	0.1	3.0	46.9	0.6	0.6	30.1	0.6	1.4	532.1	2.5	1.8	219.7	2.6	0.4	828.8	6.4	4.2
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	87%	94%	30%	81%	22%	23%	54%	23%	100%	69%	27%	30%
Equipment Failure	0%	0%	0%	92%	99%	57%	1%	3%	0%	100%	100%	100%	0%	0%	0%	19%	78%	77%	0%	0%	0%	18%	41%	47%
Operation	19%	9%	0%	8%	1%	0%	77%	82%	0%	0%	0%	0%	4%	5%	0%	0%	0%	0%	18%	38%	0%	5%	16%	0%
Other	81%	91%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	28%	39%	0%	7%	16%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	43%	21%	16%	100%	0%	0%	0%	0%	0%	70%	0%	0%	0%	0%	0%	0%	0%	0%	23%
Weather/Fire/Earthquake	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	9%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
TRUSS(4.16KV) - Customers: 1,499	3.2	0.0	4.0	23.6	1.0	2.0	7.0	0.0	1.0	5.4	0.0	2.0	45.0	1.0	0.0	108.1	2.7	1.0	28.8	1.0	0.0	187.3	4.7	3.0
3rd Party	0%	0%	25%	100%	100%	50%	0%	0%	100%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	33%
Equipment Failure	78%	77%	25%	0%	0%	0%	70%	45%	0%	0%	0%	0%	100%	100%	0%	56%	74%	100%	0%	0%	0%	56%	64%	33%
Operation	22%	23%	25%	0%	0%	0%	30%	55%	0%	100%	100%	50%	0%	0%	0%	44%	26%	0%	100%	100%	0%	44%	36%	33%
Other	0%	0%	25%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	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%
WESTERN(16KV) - Customers: 148	0.0	0.0	0.0	11.9	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.7	2.0	3.1	166.3	1.2	1.9	205.0	3.2	4.9
3rd Party	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	54%	0%	0%	20%
Equipment Failure	0%	0%	0%	40%	17%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%	33%	0%	0%	0%	19%	64%	21%
Operation	0%	0%	0%	60%	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%	87%	0%	14%	32%	0%
Other	0%	0%	0%	0%	0%	50%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	82%	13%	46%	67%	5%	18%
Vegetation/Animal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	41%
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%