

# La Plata Electric Association Inc.

## 4th Qtr. 2018 Outage Report-Durango



# Power Supply & Delivery

## AVERAGE OUTAGE MINUTES PER MEMBER

Monthly SAIDI - 2017 vs 2018 - Durango District

2017 2018



Q1

2017 - 10.176  
2018 - 16.582

Q2

2017 - 14.334  
2018 - 33.220

Q3

2017 - 7.705  
2018 - 14.138

Q4

2017 - 7.597  
2018 - 9.299

System Average Interruption Duration Index

SAIDI indicates the total duration of interruption (in minutes) for the average customer within the defined reporting period.

$$\text{SAIDI} = \frac{\sum \text{Customer Interruption Durations}}{\text{Total Number of Customers Served}}$$

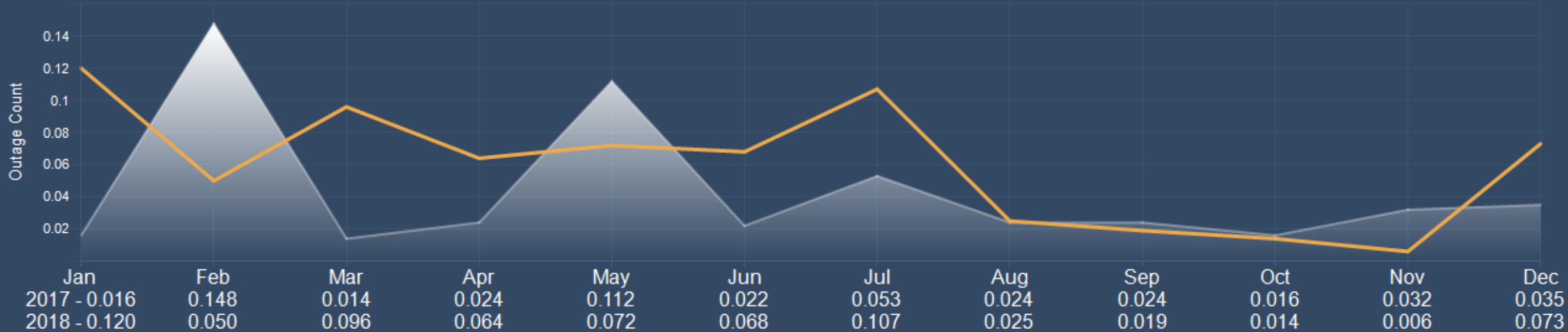
Per IEEE 1366-2003, momentary interruptions and major event day outages are excluded. Interruptions recorded as Customer Responsible are also excluded.

# Power Supply & Delivery

## Average Interruptions Per Member

Monthly SAIFI - 2017 vs 2018 - Durango District

2017 2018



Q1

2017 - 0.178  
2018 - 0.266

Q2

2017 - 0.158  
2018 - 0.204

Q3

2017 - 0.101  
2018 - 0.151

Q4

2017 - 0.083  
2018 - 0.094

System Average Interruption Frequency Index

SAIFI indicates how often the average customer experiences a sustained interruption over the defined reporting period.

$$\text{SAIFI} = \frac{\sum \text{Total Number of Customers Interrupted}}{\text{Total Number of Customers Served}}$$

Per IEEE 1366-2003, momentary interruptions and major event day outages are excluded. Interruptions recorded as Customer Responsible are also excluded.

# Power Supply & Delivery

## MAJOR OUTAGES

Report Period: 10/1/2018 to 1/1/2019

District: Durango

*Note: Report displays only outages affecting 250+ members for 30+ minutes or outages affecting an entire circuit for any length of time.*

Start Time	End Time	Duration (mins)	Members Affected	Customer Minutes	Substation & Feeder	Area	Cause Codes
10/7/2018 6:37:48 PM	10/7/2018 8:20:39 PM	103	9	927	BODO PARK BP131	BP131	400 Decay/age of material/equipment 390 Overhead line conductors and devices, distribution, other 003 15 KV 100 Clear, calm
10/26/2018 10:42:44 AM	10/26/2018 12:24:39 PM	102	37	3,531	BODO PARK BP141	BP141	710 Motor vehicle 300 Line conductor 003 15 KV 100 Clear, calm
12/9/2018 1:19:12 AM	12/9/2018 1:48:26 AM	29	995	28,855	IGNACIO I141	I141	190 Other planned 999 No Equipment failure 003 15 KV 100 Clear, calm
12/29/2018 10:07:01 PM	12/30/2018 1:22:00 AM	195	968	126,126	ANIMAS A111	Animas-111	400 Decay/age of material/equipment 300 Line conductor 003 15 KV 100 Clear, calm
12/31/2018 9:55:10 PM	1/1/2019 12:09:44 AM	135	967	86,752	ANIMAS A111	Animas-111	400 Decay/age of material/equipment 300 Line conductor 003 15 KV 040 Snow

Total Outages: 5

Distinct Customers Affected: 2,976

Total Customers Affected: 2,976

Total Customer Minutes: 246,191

Total Customer Hours: 4,103.18

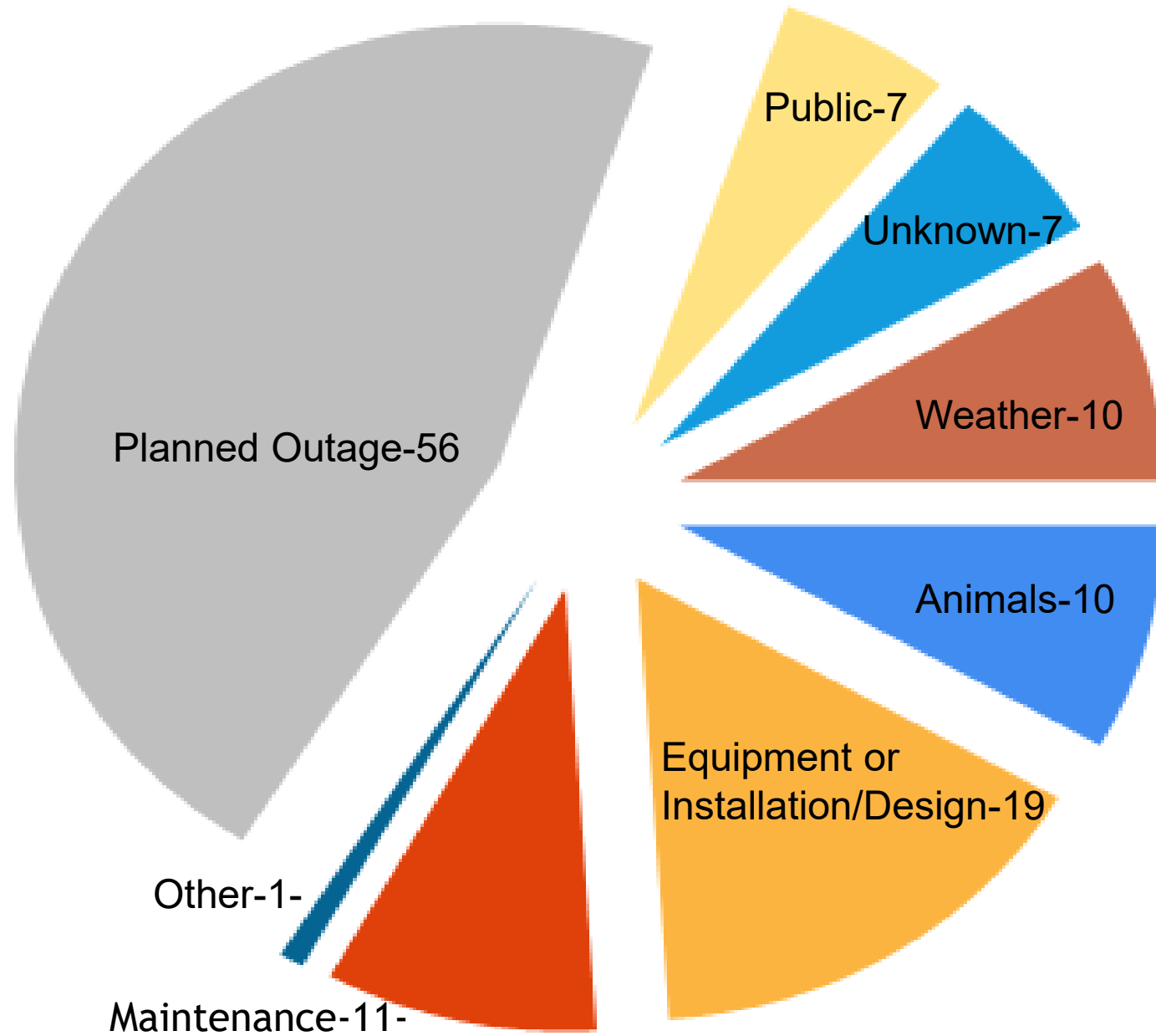


# Power Supply & Delivery

## OUTAGE BY CAUSE

4th Qtr. 2018

District: Durango



# Operational Excellence

## 2018 Line Locate Expenses

2018 Total Line Locates-12,036  
Archuleta County-2,618  
La Plata County-9,418  
UNCC-\$18,145.30  
Internal Locates-\$10,128.17  
Contractor-\$341,305  
Total Paid out for 2018-\$369,578.47



# Operational Excellence

6,327 Trees Trimmed  
12,801 Trees Removed  
Internal Supervision-\$52,650.75  
Contractor-\$910,407  
Total Paid out in 2018-\$963,057.75

Excludes:

Animas 131,  
Riverview 111, 121  
Ponderosa 111, 121, 131, 161  
Fort Lewis 11, 121  
Northwest 111, 121, 131  
Piedra 111, 121, 131  
Sunnyside 111, 121

## 2018 Tree Trimming Expenses



# SAFETY REPORT

4<sup>TH</sup> QUARTER

2018





# Operational Excellence

## 4<sup>th</sup> Quarter Safety Report , 2018

### I. Accident Summary

	YTD 2018	This Quarter (4 <sup>th</sup> ) 2018	3 <sup>rd</sup> Quarter 2018	2 <sup>nd</sup> Qtr. 2018	1 <sup>st</sup> Qtr. 2018
OSHA Non-Recordable Accidents	3	1	0	1	1
OSHA Recordable Accidents/No lost time	4	0	2	1	1
OSHA Lost Time Accidents	2	1	0	0	1
Total # of Accidents	9	2	2	2	3
Number of Lost Days	58	1	0	0	57
Number of Days of Restricted Work	146	30	0	82	34

# Operational Excellence

## Training 4<sup>th</sup> Quarter 2018

- ▶ Work Place Violence/Active Shooter Training
- ▶ Presentation from a Double Amputee Electrical Contact Victim
- ▶ Winter Weather Preparedness
- ▶ Blood Borne Pathogen/Hazard Communication

# Operational Excellence

## Future Training

- ▶ Laundering of (FR) Fire Retardant Clothing
  - ▶ Standard Operating Procedures Review
  - ▶ Slips, Trips, and Falls Training
- 