



## **AGENDA**

June 25, 2019

**PUBLIC UTILITIES COMMISSION MEETING**  
7:00 p.m.  
Council Chambers  
311 Vernon Street  
Roseville, CA

### **THE CITY OF ROSEVILLE WELCOMES YOUR PARTICIPATION**

If an agenda item is open to public comment, such public comment shall be addressed to the chair of the meeting.

**Public Comment** - Speakers have three minutes under Public Comment to speak on issues that are not listed on the agenda and are within the City's jurisdiction. The Brown Act does not permit any action or discussion on items not listed on the agenda.

**Consent Calendar** - If applicable, the Consent Calendar consists of routine items that may be approved by one motion. Any person can remove an item from the Consent Calendar to be discussed separately.

**Agenda Items** - Speakers have five minutes to address items that are listed on the agenda.

**Americans with Disabilities Act** - Notify the City Clerk or Secretary at least 72 hours in advance if special assistance is required to participate in a meeting including the need of auxiliary aids or services.

**Audio/Visual Presentations** - If making a presentation regarding an agenda item, audio/visual materials must be submitted to the City Clerk or Secretary at least 72 hours in advance.

Roseville City Clerk 311 Vernon Street, Roseville, CA 916-774-5200 TDD 916-774-5220

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **PLEDGE OF ALLEGIANCE**
4. **PUBLIC COMMENTS**
5. **MINUTES**
  - 5.1. APPROVAL OF MAY 28, 2019, MINUTES  
Approval of May 28, 2019, Minutes

## **6. REQUESTS/PRESENTATIONS**

### **6.1. ENVIRONMENTAL UTILITIES MONTHLY UPDATE**

Report by Environmental Utilities Assistant Director Dale Olson summarizing monthly status of Environmental Utilities activities, for information.

### **6.2. ROSEVILLE ELECTRIC UTILITY UPDATE**

Report by Electric Utility Director Michelle Bertolino summarizing monthly status of Electric Utility issues, for information.

### **6.3. ELECTRIC CUSTOMER PROGRAMS OVERVIEW**

Presentation by Electric Customer Solutions Supervisor David Bradford, summarizing the Electric Utility Customer Programs, for information.

### **6.4. 2018 ANNUAL ELECTRIC UTILITY RELIABILITY OVERVIEW**

Presentation by Power Engineer Ozro "OJ" Corulli, summarizing the 2018 Annual Electric Utility Reliability Results, for information.

## **7. BOARD MEMBER / COMMISSIONER / STAFF REPORT**

## **8. ADJOURNMENT**



# PUBLIC UTILITIES COMMISSION COMMUNICATION

**Title:** APPROVAL OF MAY 28, 2019, MINUTES

**Contact:**

**Meeting Date:** 6/25/2019

**Item #:** 5.1.



# PUBLIC UTILITIES COMMISSION COMMUNICATION

**Title:** ENVIRONMENTAL UTILITIES MONTHLY UPDATE  
**Contact:**

**Meeting Date:** 6/25/2019  
**Item #:** 6.1.



## **PUBLIC UTILITIES COMMISSION COMMUNICATION**

**Title:** ROSEVILLE ELECTRIC UTILITY UPDATE  
**Contact:**

**Meeting Date:** 6/25/2019  
**Item #:** 6.2.



# PUBLIC UTILITIES COMMISSION COMMUNICATION

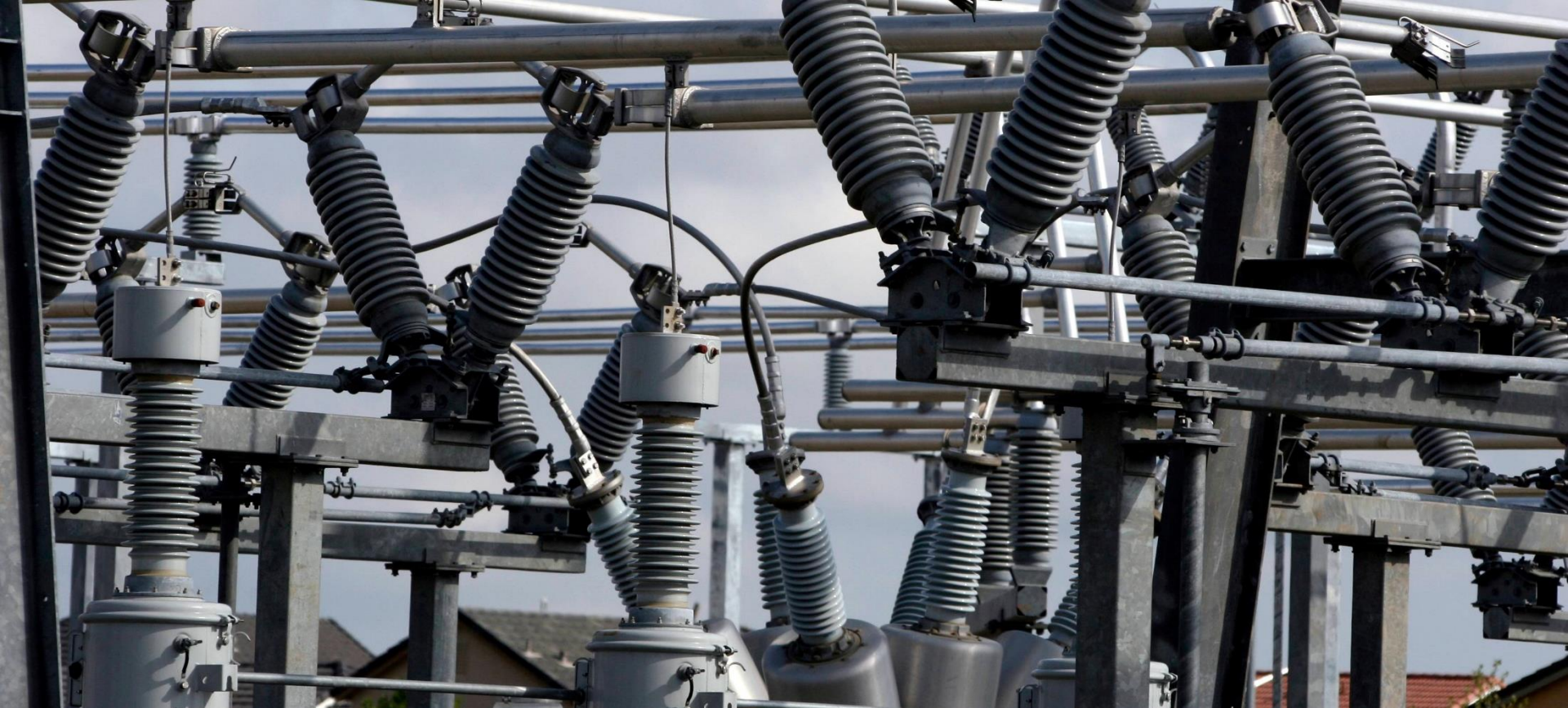
**Title:** ELECTRIC CUSTOMER PROGRAMS OVERVIEW  
**Contact:**

**Meeting Date:** 6/25/2019  
**Item #:** 6.3.

## ATTACHMENTS:

Description

Electric Customer Programs



# Electric Utility Public Benefit and Customer Programs

David Bradford, Customer Solutions Supervisor

June 25, 2019

# Customer Programs in Roseville

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- Benefit the community
  - Encourage lower electricity use
  - Reduce costs
  - Reduce greenhouse gas emissions
  - Promote new energy technologies
- Required under state law

# Program Funding Sources

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- Roseville customers
  - Public benefit funds
- State programs
  - Greenhouse Gas Auction Proceeds
  - Low Carbon Fuel Standard



# Public Benefits

- 2.85% of revenue
- Must be used on:
  - Energy Efficiency
  - Renewable Energy
  - Low-Income
  - Research and Development
- Example programs:
  - HVAC rebates
  - Home energy reports
  - Rate assistance



# Greenhouse Gas

- Cap-and-trade auction proceeds
- Must be used to:
  - Benefit customers
  - Reduce emissions
- Example programs:
  - Advanced meters
  - Renewable energy
  - LED streetlights



# Low Carbon Fuel Standard

- Sale of credits from electric vehicles/chargers
- Must be used to:
  - Benefit current and future EV owners
  - Education
- Example programs:
  - Charger rebates
  - Dealer education
  - Free downtown charging

# Program Development

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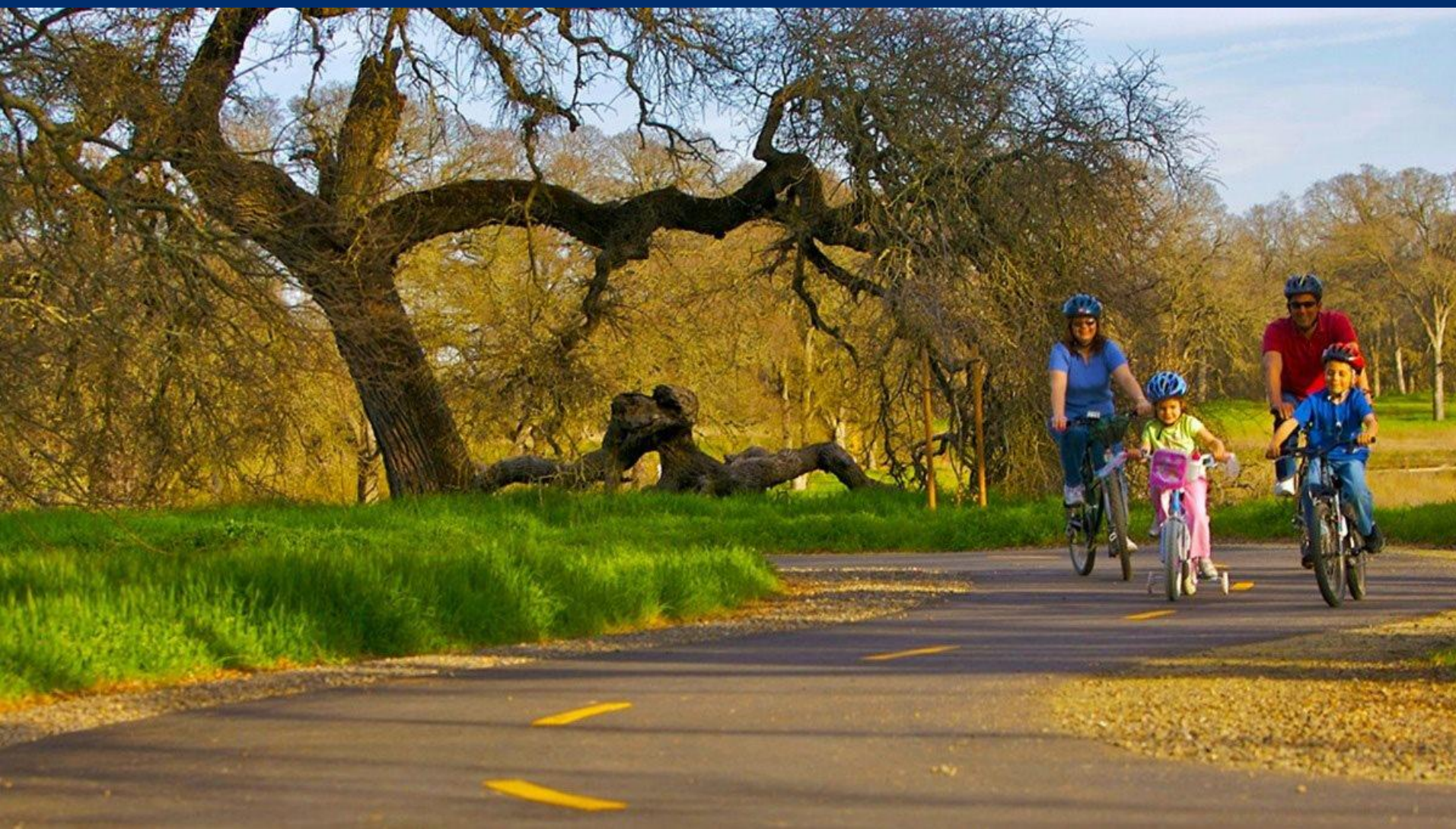
- Potential programs are scored on:
  - Benefit to community
  - Alignment with Council Priorities
  - Alignment with Utility Objectives
  - Benefit to cost ratio
  - Compliance with state regulations
- Highest performing programs selected for each funding source

# Going Forward

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- Each year potential programs and funding sources will be evaluated
- Continue to seek out opportunities to maximize benefits to the community and utility
- Focus on cost effective programs with greatest benefits to customers





Improve the quality of life in our community



## PUBLIC UTILITIES COMMISSION COMMUNICATION

**Title:** 2018 ANNUALELECTRIC UTILITY RELIABILITY OVERVIEW

**Contact:**

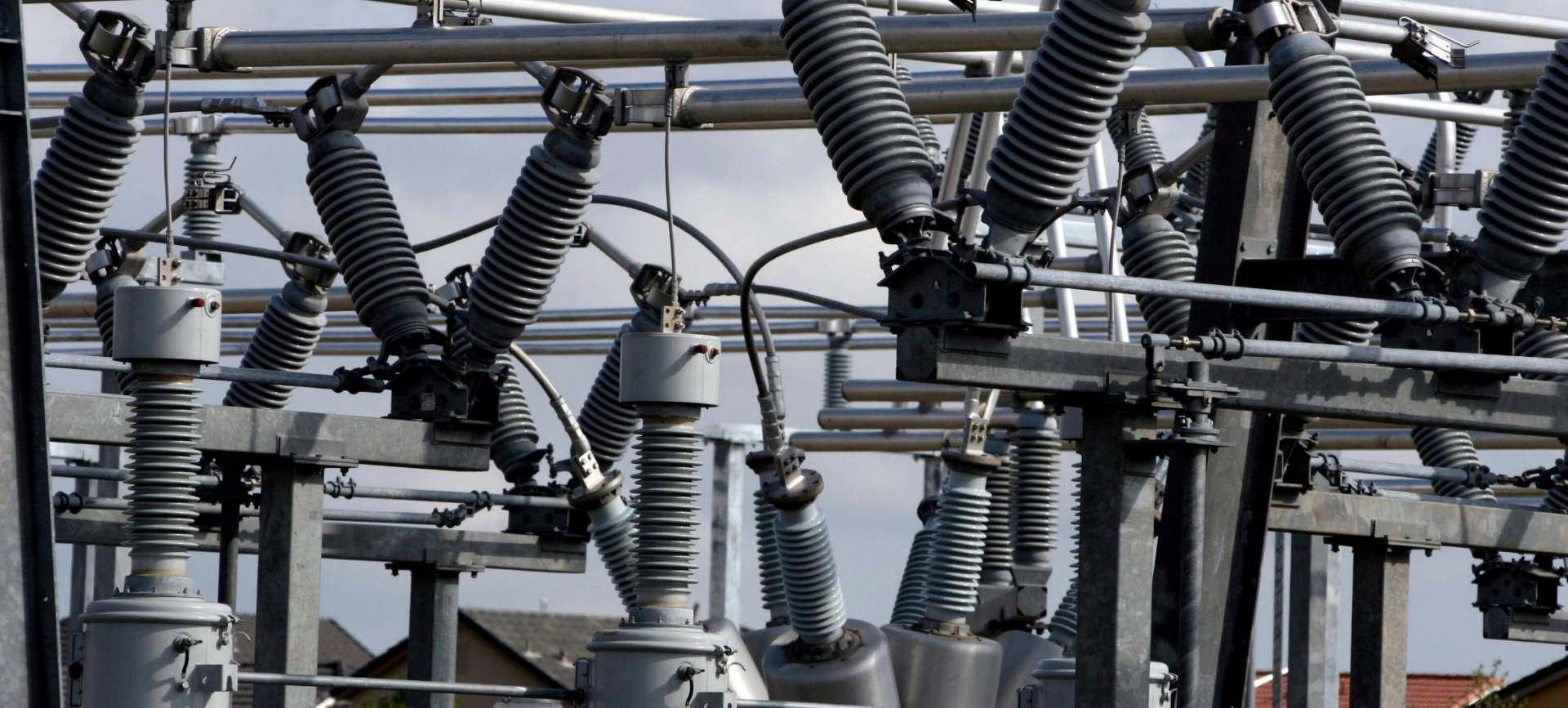
**Meeting Date:** 6/25/2019

**Item #:** 6.4.

### **ATTACHMENTS:**

Description

2018 Annual Reliability Overview



# Roseville Electric System Reliability

Ozro “OJ” Corulli, Power Engineer

# Presentation Overview

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- Electric system reliability definition
- System reliability metrics
- Roseville Electric's system performance
- Causes of unscheduled outages
- Outage mitigation
- Reliable system design

# What Does Reliability Mean?

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The ability of an electric power system to withstand various conditions while delivering safe and consistent electric service to customers



# Electric Key Performance Indicators

Industry standard metrics used to evaluate reliability:

Outage frequency:

**SAIFI – System Average Interruption  
Frequency Index**

Outage length:

**SAIDI – System Average Interruption  
Duration Index**

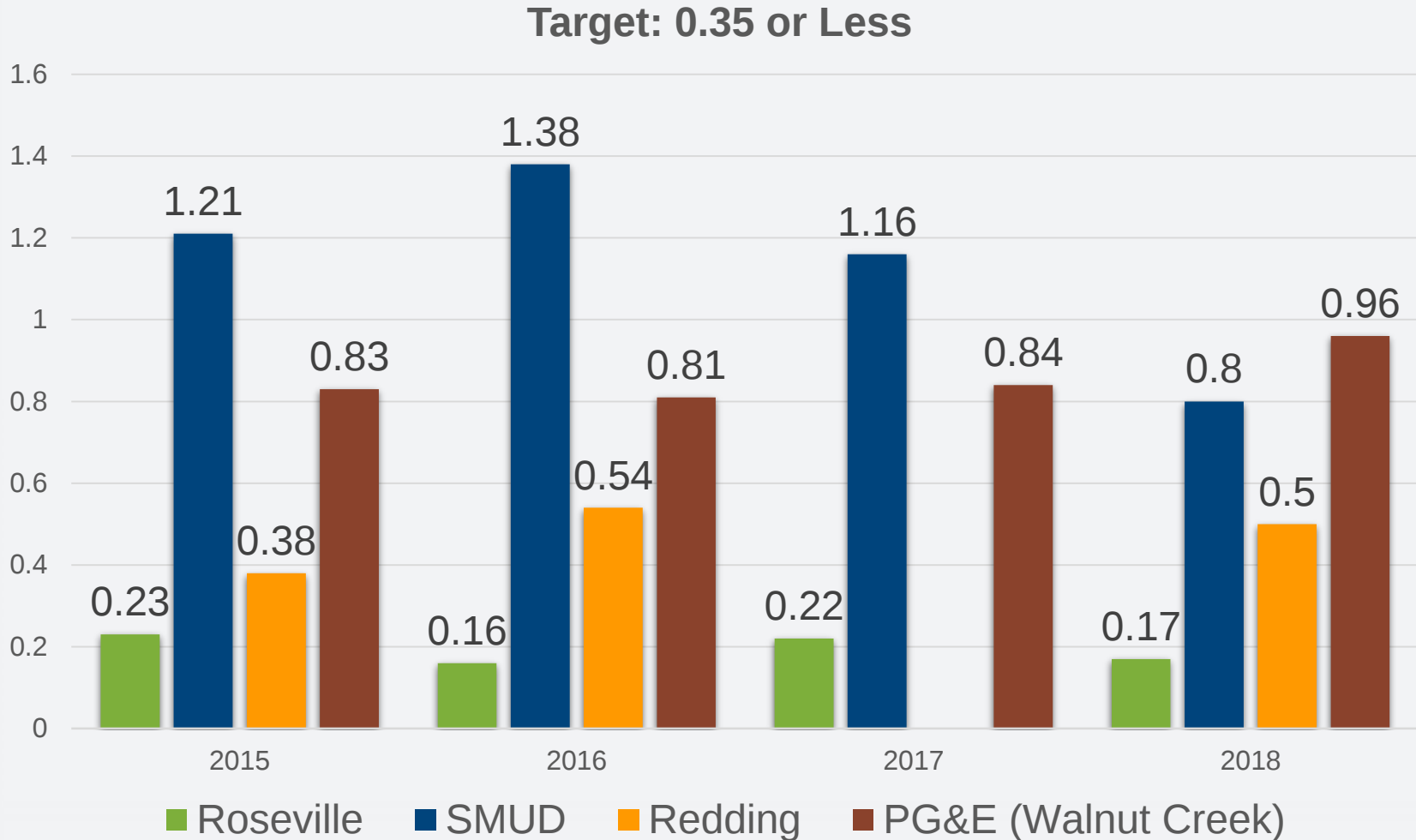
# Average Outage Frequency

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The System Average Interruption Frequency Index (SAIFI) is a numerical way to measure the average number of times outages occur for all customers.

For 2018, our SAIFI shows our average customer experiences an outage once every 5.9 years (0.17 outages per year).

# '15-'18 Average Outage Frequency, SAIFI



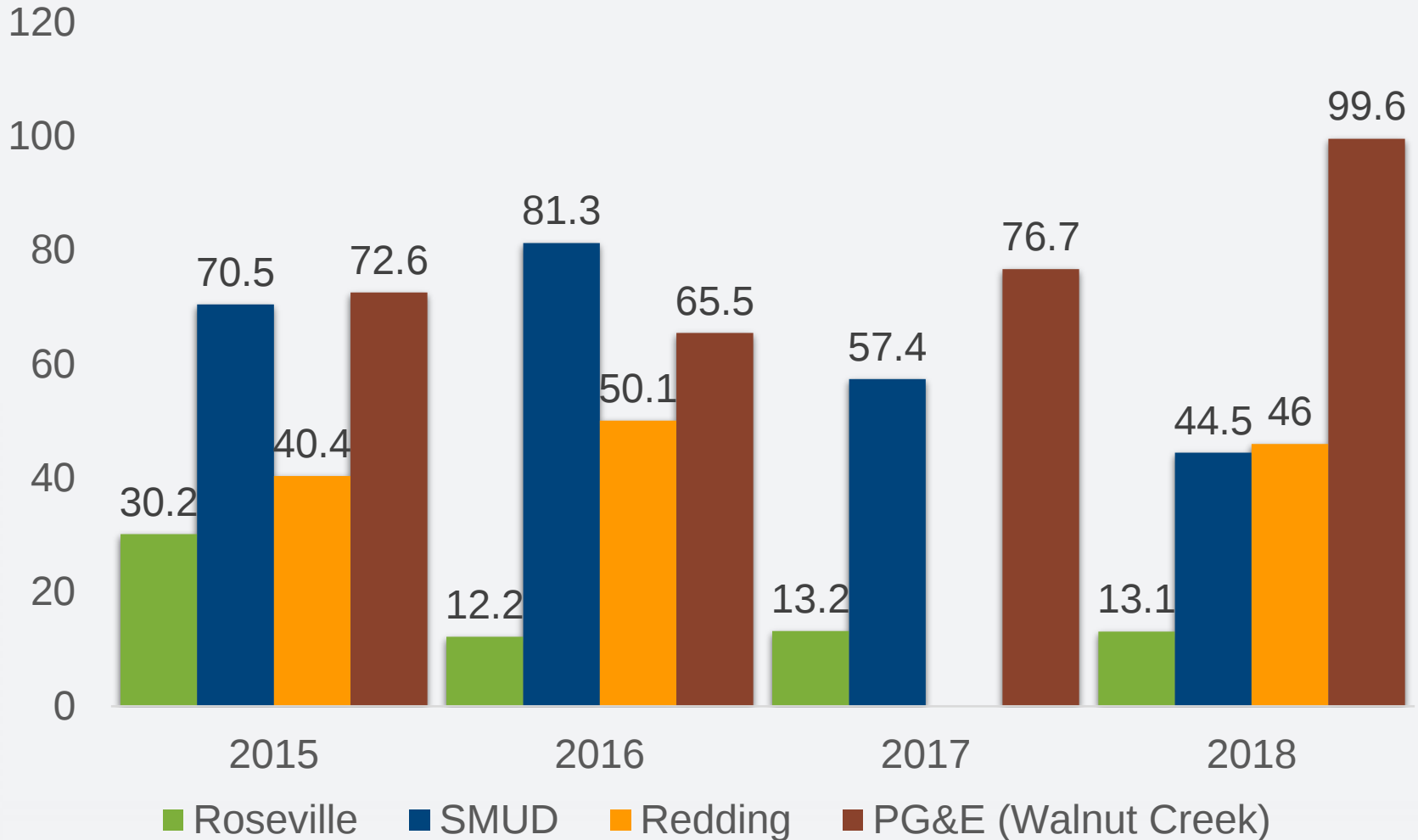
# Average Outage Duration

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The System Average Interruption Duration Index (SAIDI) is the average sustained outage time for all customers.

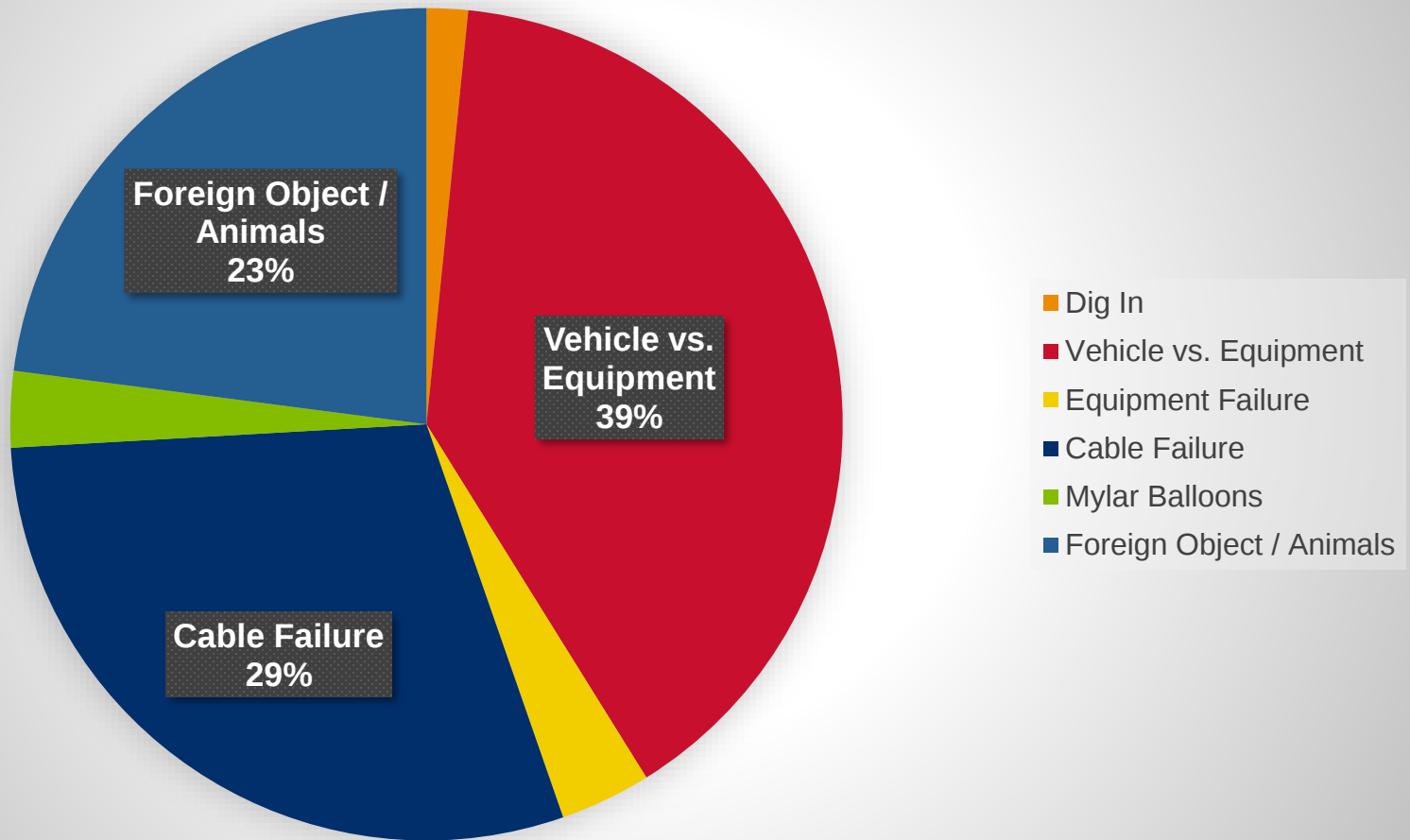
For 2018, our SAIDI shows our average customer outage is 13 minutes.

# '15-'18 Average Outage Duration, SAIDI



# 2018 Customer Outage Minutes

Customer Minutes



# Car vs. Switch

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# Outage Mitigation

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- Routine substation maintenance & inspection
- Proactive aged cable and equipment replacement
- Routine field equipment inspections
  - Poles
  - Connectors
  - Transformers
  - Pad-mounted Switches
- Tree trimming
- Summer Preparedness Plan

# Reliable System Design

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- Design methodology 85% underground
- All new installations designed with underground lines and pad-mounted devices
  - Minimal risk of failure due to weather
- Designed for additional growth and flexibility
- Low voltage customers can be fed from multiple sources
  - Power can be maintained while work is performed
- High voltage system is *networked* (redundant)

# Fast Response

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- Our First Responders are:
  - Highly qualified and trained field crews
  - Dispatched immediately after a problem is detected
  - Average response time for 2018 = 18 minutes



# Questions?

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