AGENDA
June 26, 2018

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

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENTS

Persons may address the governing body on items not on this agenda. Speakers shall restrict their comments to issues that are within the subject jurisdiction of the governing body and limit their comments to three (3) minutes per person. The Brown Act, with certain exceptions, does not permit the governing body to discuss or take action on issues that are not listed on the agenda.

5. MINUTES

5.1. Approval of May 22, 2018 Minutes

6. REQUESTS/PRESENTATIONS

6.1. Environmental Utilities Monthly Update

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

6.2. Roseville Electric Utililty 2018 Strategic Plan Update

Presentation by Electric Utility Director Michelle Bertolino summarizing updates to the Roseville Electric Utility Strategic Plan, for information.

6.3. Roseville Electric Utility Public Benefits Program FY19 Overview

Presentation by Electric Customer Programs Supervisor David Bradford on Fiscal Year 2019 Public Benefits and Customer Programs, for information.

6.4. Roseville Electric Utility 2017 Annual Reliability Overview

Presentation by Electric Senior Power Engineer Chris Porter summarizing the 2017 Annual Reliability Overview, for information.

7. BOARD MEMBER / COMMISSIONER / STAFF REPORT

8. ADJOURNMENT

PUBLIC UTILITIES COMMISSION COMMUNICATION

Title: Approval of May 22, 2018 Minutes
Contact:

Meeting Date: 6/26/2018
Item #: 5.1.

ATTACHMENTS:

Description

May 22, 2018 Minutes

MINUTES
MAY 22, 2018

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

1. CALL TO ORDER

2. ROLL CALL

Commissioner: Sam Cannon
Commissioner: Blandon Granger
Commissioner: Gretchen Hildebrand
Commissioner: Debra Sedwick
Commissioner: John Speight
Commissioner: John Vertido
Chair: Jim Viele

Present: Cannon, Granger, Sedwick, Speight, Vertido, Viele
Absent: Hildebrand

3. PLEDGE OF ALLEGIANCE

The pledge of allegiance was led by Commissioner Speight.

4. PUBLIC COMMENTS

No public comment.

5. CONSENT CALENDAR

5.1 Approval of April 24, 2018 Minutes

Minutes were approved as amended.

6. REQUESTS/PRESENTATIONS

6.1 Environmental Utilities Monthly Update
Report by Assistant Environmental Utilities Director Dale Olson summarizing monthly status of Environmental Utilities issues, for information.

Commissioner Viele inquired about the funding source for the Cook Riolo pipeline project and if the pipe will be installed below ground or attached to the bridge. Dale Olson responded funding would be shared with Cal-Am, however, the project is on hold. Dale will confirm routing of the pipe and get back to the Commission.

No public comment.

6.2 Environmental Utilities Fiscal Year 2018-19 Budget Overview
Presentation by Assistant Environmental Utilities Director Dale Olson and Acting EU Business Services Administrator Janet Vargas summarizing the Environmental Utilities Budget for Fiscal Year 2018-19, for information.

Commissioner Sedwick is interested in seeing the prior year's utility reserve fund percentage to see any progress made.

Commissioner Viele asked if the Pleasant Grove Pump Back Station was able to satisfy demand of Zones 1 and 2 if needed. Dale Olson does not believe it would be adequate to supply Zones 1 and 2, however, will confirm and respond to the Commission.

Commissioner Sedwick inquired if the City is participating in the Regional Water Authority Water Reliability Plan for groundwater grant opportunities for new wells. Dale Olson replied he is aware of a grant funding list but will confirm and respond to the Commission.

Commissioner Viele inquired on the status of the recycle water rate study and if it would be included in the upcoming Utility Rate Study. Dale Olson was uncertain if the recycled water rate structure will be updated in time for the next Utility Rate Study. Staff will confirm and respond to the Commission

No public comment.

6.3 Roseville Electric Utility Monthly Update
Report by Assistant Electric Utility Director Philip McAvoy summarizing monthly status of Electric Utility issues, for information.

No public comment.

6.4 Roseville Electric Utility Fiscal Year 2018-19 Budget Overview
Presentation by Assistant Electric Utility Director Philip McAvoy and Senior Electric Business Analyst Joanna Cucchi summarizing the Electric Utility Budget for Fiscal Year 2018-19, for information.

No public comment.

6.5 Roseville Electric Utility Small Cell Program Rates
Presentation by Assistant Electric Utility Director Philip McAvoy and Senior Business Analyst Joanna Cucchi on the Small Cell Program Rates, for recommendation.

No public comment.

MOTION: Commissioner Cannon made the motion which was seconded by Commissioner Vertido to recommend to Council the proposed unmetered small cell pole attachment rates as presented. The vote was unanimous.

6.6 Roseville Electric Utility Community Solar Program Rates
Presentation by Assistant Electric Utility Director Philip McAvoy on the Community Solar Program Rates, for recommendation.

Presenters included William Chaplin and Nathan Ribordy

Public Comment:
Roseville resident Bruce Houdesheldt commended Electric Utility staff on their innovative solutions in providing solar options to the community and to Environmental Utilities for investing in water solutions now to save for the future.

MOTION: Commissioner Vertido made the motion which was seconded by Commissioner Blandon to recommend to Council the proposed community solar rates as presented. The vote was unanimous.

7. BOARD MEMBER / COMMISSIONER / STAFF REPORT

Chair Viele reported on the success of the recent Medication Take-back Event with a total of 2700 pounds of drugs collected.

No public comment.

8. ADJOURNMENT

Commissioner Cannon moved for adjournment of the May 22, 2018 Public Utilities Commission meeting. Commissioner Granger seconded the motion. The motion passed unanimously at 8:31 p.m.

Jim Viele
Chairperson

Karen Sainsbury
Recording Secretary

PUBLIC UTILITIES COMMISSION COMMUNICATION

Title:	Environmental Utilities Monthly Update
Contact:	

Meeting Date: 6/26/2018
Item #: 6.1.

PUBLIC UTILITIES COMMISSION COMMUNICATION

Title: Roseville Electric Utililty 2018 Strategic Plan Update
Contact:

Meeting Date: 6/26/2018
Item #: 6.2.

ATTACHMENTS:

Description

Presentation

Electric Utility Strategic Plan Update

Roseville Public Utilities Commission

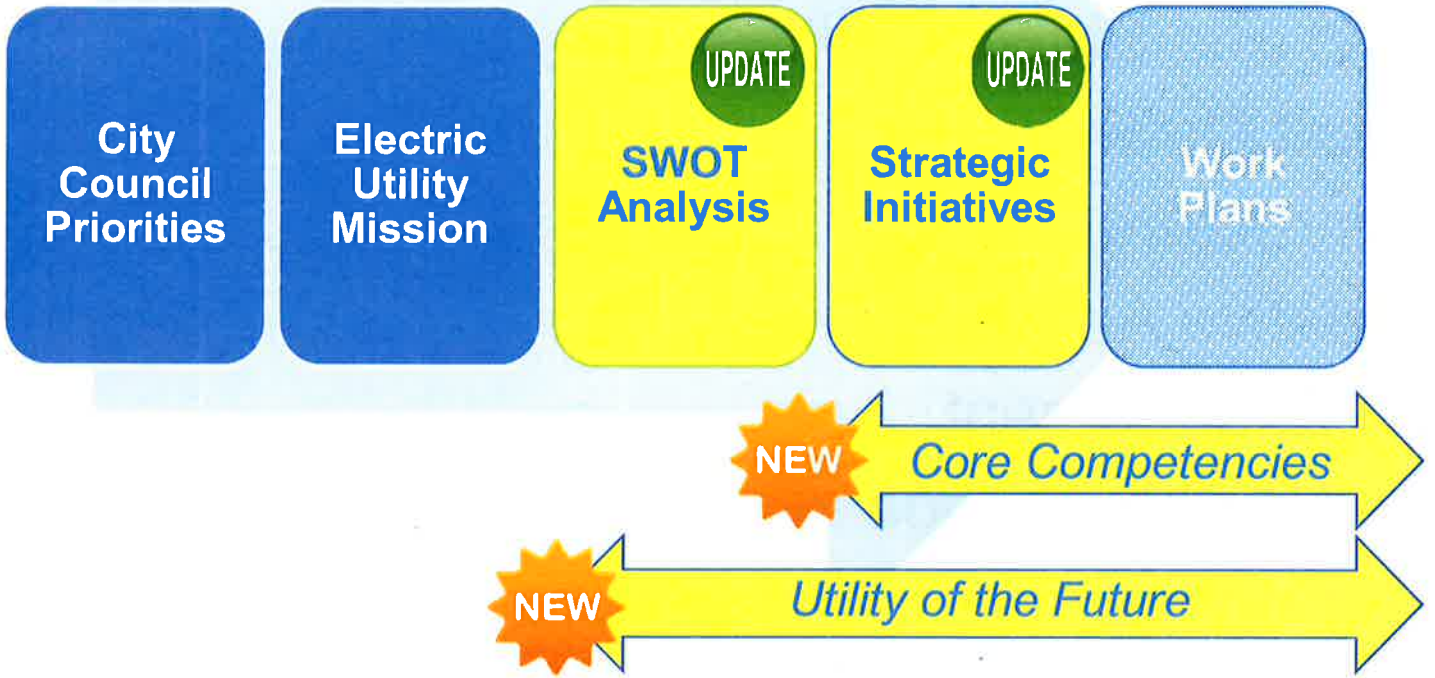
June 26, 2018

CITY OF ROSEVILLE CALIFORNIA

Background

- Extensive Five-Year Strategic Plan
  - 2014-2018
  - Many elements are still relevant
  - need Update to reflect current events
- Focus on anticipating and meeting the future needs of customers
- Input received from customers and employees

Process and Inputs



City Council Priorities

- Public Safety
- Fiscally Responsible
- Economic Development
- Sound and Stable Utilities
- A Great Downtown
- Infrastructure
- Legislative Advocacy
- Civic Engagement
- Core Neighborhoods
- Arts, Entertainment, and Culture
- Expanding Regional Engagement

Our Mission

We improve the quality of life of our community and customers with reliable electricity, competitive prices, exceptional service and a culture of safety.

CITY OF ROSEVILLE CALIFORNIA
Electric Utility

SWOT Analysis

SWOT—Internal

- Strengths
  - Customer Confidence
  - Supportive Local Governance
  - Skilled and Motivated Workforce
  - Financial Strength
- Weaknesses
  - Complicated Processes
  - Recruitment and Staff Development
  - Small Size
  - Lagging Technology

SWOT—External

- Opportunities
  - Customer Relationships
  - Utility of the Future Strategies
  - Growing and Evolving City
  - Collaboration with Other Electric Utilities
- Threats
  - Legislative/Regulatory Uncertainty
  - Economic Cycles
  - Industry/Technology Changes
  - Physical/Cyber Threats

Strategic Initiatives

- Customers – Strong Customer Trust
- Workforce – Strong and Inspired Team
- Organization – High Performing Utility

Strategic Initiative: Customers

Strong Customer Trust

- Demonstrate the value of a locally owned utility
- Drive solutions that enhance the community
- Deliver high service levels at competitive rates

Strategic Initiative: Workforce

Strong and Inspired Team

- Live the core competencies
- Employee directed career development
- Develop the utility of the future

Strategic Initiative: Organization

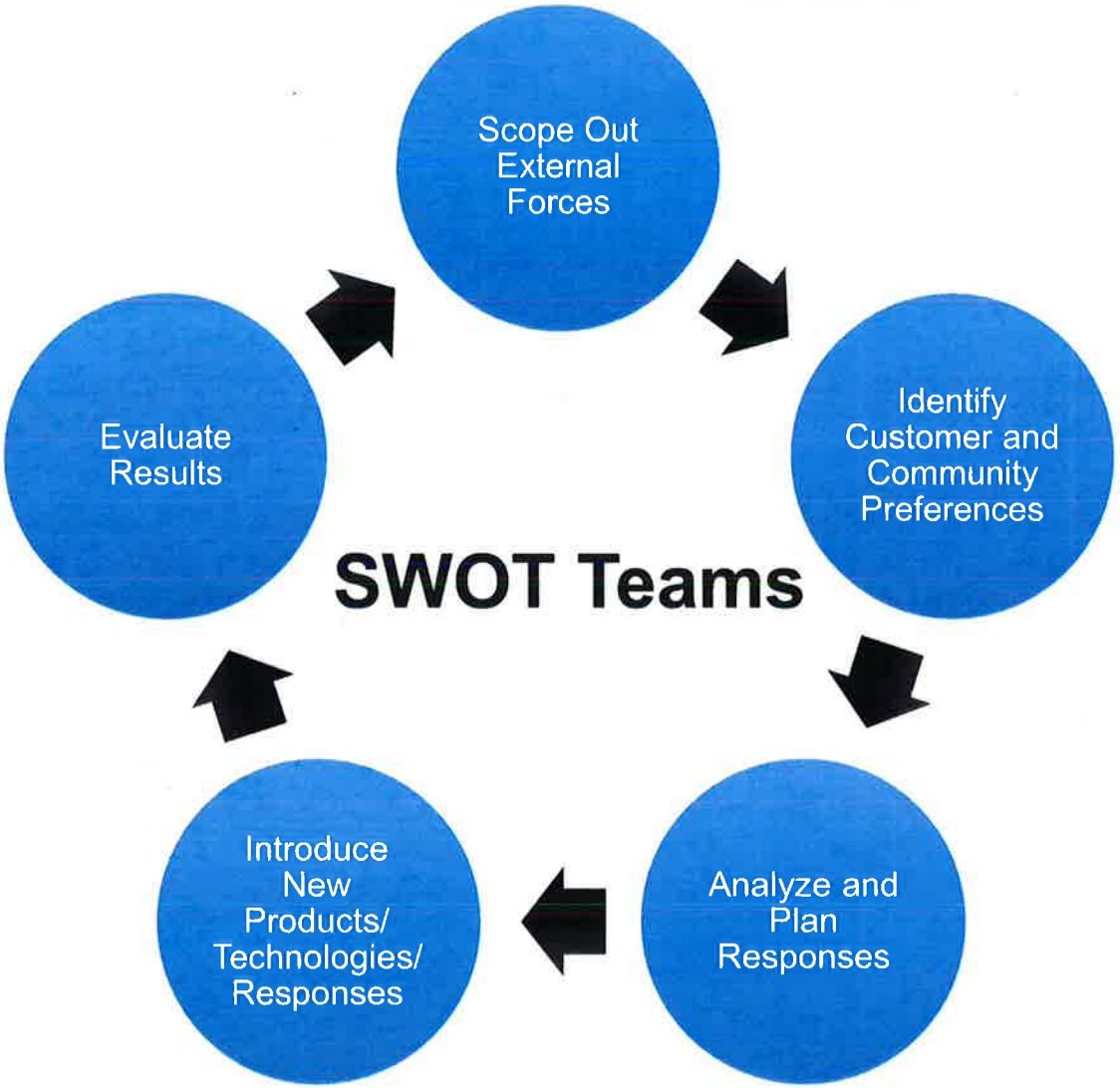
High Performing Utility

- Partner and leverage industry relationships
- Evolve utility structure and processes
- Achieve strong financial results

Core Competencies

- People Focused
- Builds Trust
- Ensures Accountability
- Communicates Effectively
- Inclusive Collaborator
- Quality Decision Maker
- Proactive
- Resilient

Moving Toward the Future



Next Steps

- Work plans
- SWOT Teams
- Integrate Core Competencies
- Career Development

PUBLIC UTILITIES COMMISSION COMMUNICATION

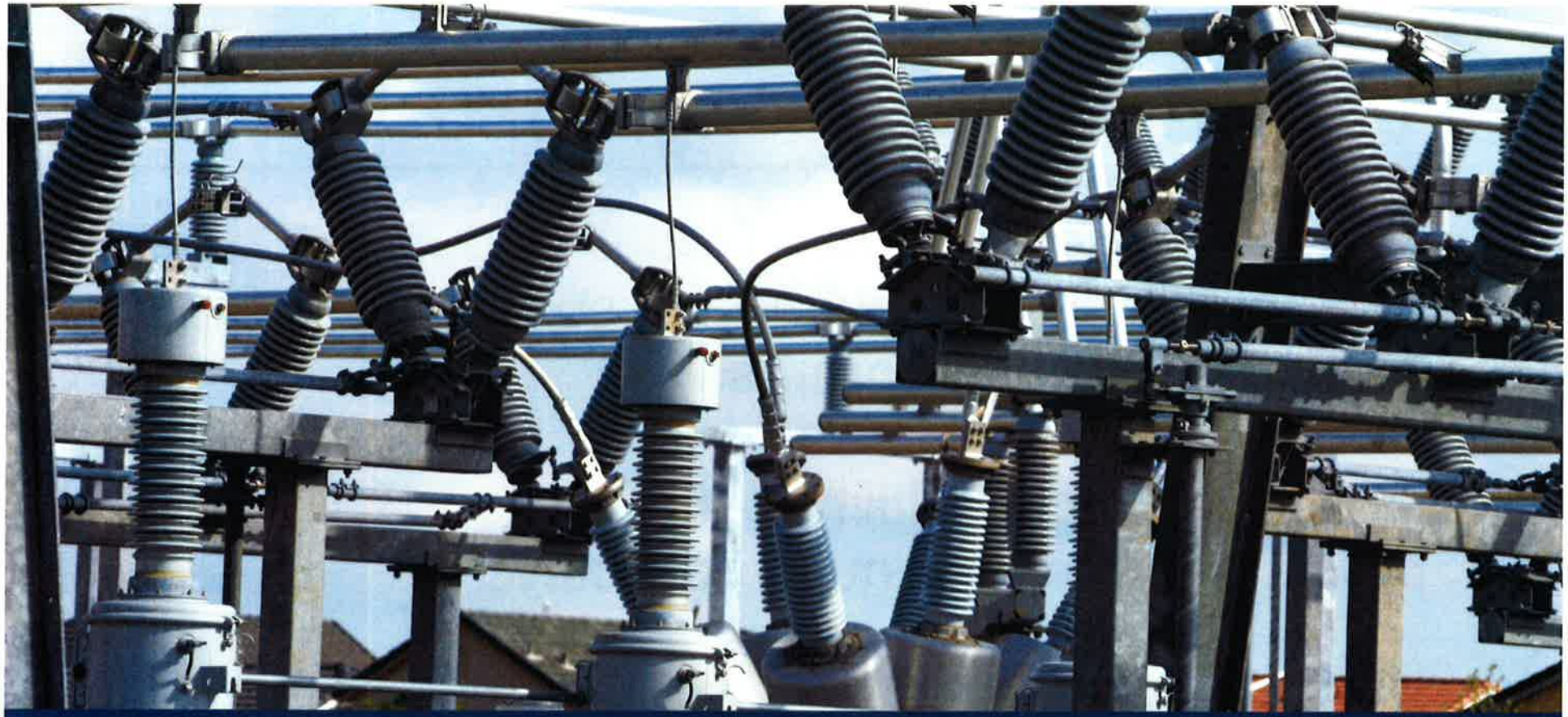
Title:	Roseville Electric Utility Public Benefits Program FY19 Overview
Contact:	

Meeting Date: 6/26/2018
Item #: 6.3.

ATTACHMENTS:

Description

Presentation



Electric Utility Public Benefit and Customer Programs

David Bradford, Customer Programs Supervisor
Roseville Electric Utility
June 26, 2018

CITY OF ROSEVILLE CALIFORNIA

Public Benefits Background

- CA Assembly Bill 1890 – Requires publicly owned utilities to implement a surcharge to fund "public benefits" programs.
- Roseville Electric Utility's surcharge is 2.85 percent of total revenues collected.
- Public benefits funds are used to implement programs in our community.

Public Benefit Requirements

- Legislation created categories of public benefit programs:
  - Energy Efficiency and Demand Side Management
  - Renewable Energy
  - Low-Income Customer Assistance
  - Research and Development

Energy Programs in Roseville

- Roseville Electric Utility has been assisting customers with energy conservation advice since the early 1980s.

- Public Benefit Programs focus on two general areas:

  - Residential Programs

  - Commercial Programs

FY19 Residential Programs

- Energy Efficiency Rebates
  - High Efficiency Air Conditioner
    - Tune-up and Smart Thermostats
  - Whole House Fan & Ceiling Fan
  - Variable Speed Swimming Pool Pumps
  - Shade Trees
  - Shade Screens and High Efficiency Windows

- Low Income Program
  - Refrigerator Replace & Recycle
  - Rate Assistance

FY19 Residential Programs

- Multi-Family Efficiency
  - In-unit Energy upgrade
- Plug in Electric Vehicle
  - New Electric Vehicles
  - Level II Chargers
- Home Energy Reports
- Energy / Solar Advisor Workshops
- New Construction Home Builder

FY19 Commercial Programs

- Energy Efficiency
  - Cooling and Air Conditioning
  - Electric Motors
  - Restaurant/Food Service Equipment
  - Window Film
  - LED Lighting Interior & Exterior
  - Lighting Sensors & Controls
  - Custom Projects

Conclusion

- Program design based on:
  - Customer feedback
  - Technology advancements
  - Building codes
  - Performance evaluations
  - Cost-effectiveness
  - Compliance with state mandates

PUBLIC UTILITIES COMMISSION COMMUNICATION

Title: Roseville Electric Utility 2017 Annual Reliability Overview
Contact:

Meeting Date: 6/26/2018
Item #: 6.4.

ATTACHMENTS:

Description

Presentation

Roseville Electric System Reliability

Chris Porter, Senior Power Engineer
Roseville Electric Utility
June 26, 2018

CITY OF ROSEVILLE CALIFORNIA

Presentation Overview

- 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?

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

Electric Key Performance Indicators

- Key Performance Indicators used by Roseville Electric and other electric utilities to evaluate reliability

  SAIFI* – System Average Interruption Frequency Index

  SAIDI* – System Average Interruption Duration Index

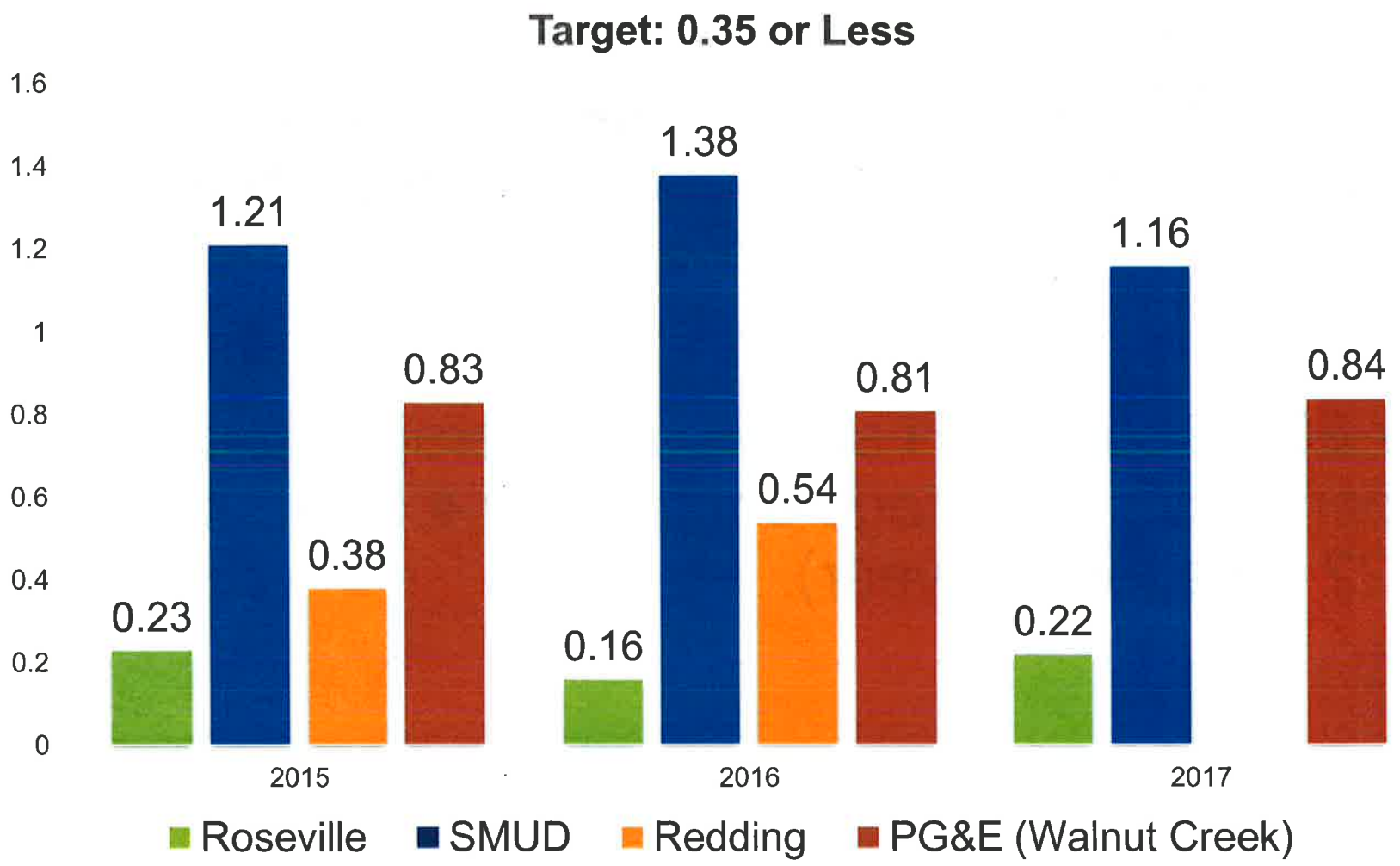
*Industry standard metrics

Average Outage Frequency

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

For 2017, our SAIFI shows our average customer experiences an outage once every 4.5 years (0.22 outages per year).

'15-'17 Average Outage Frequency, SAIFI

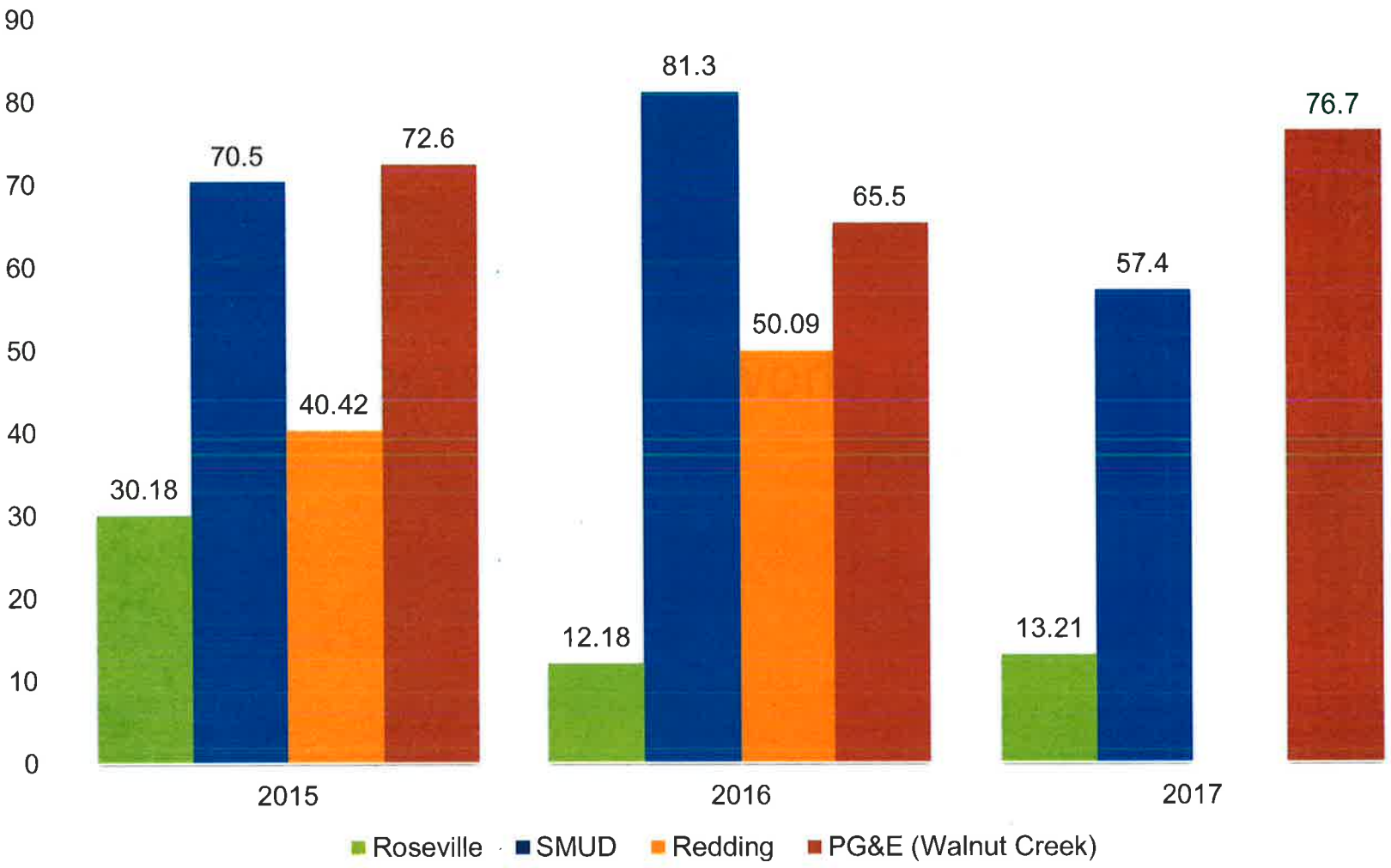


Average Outage Duration

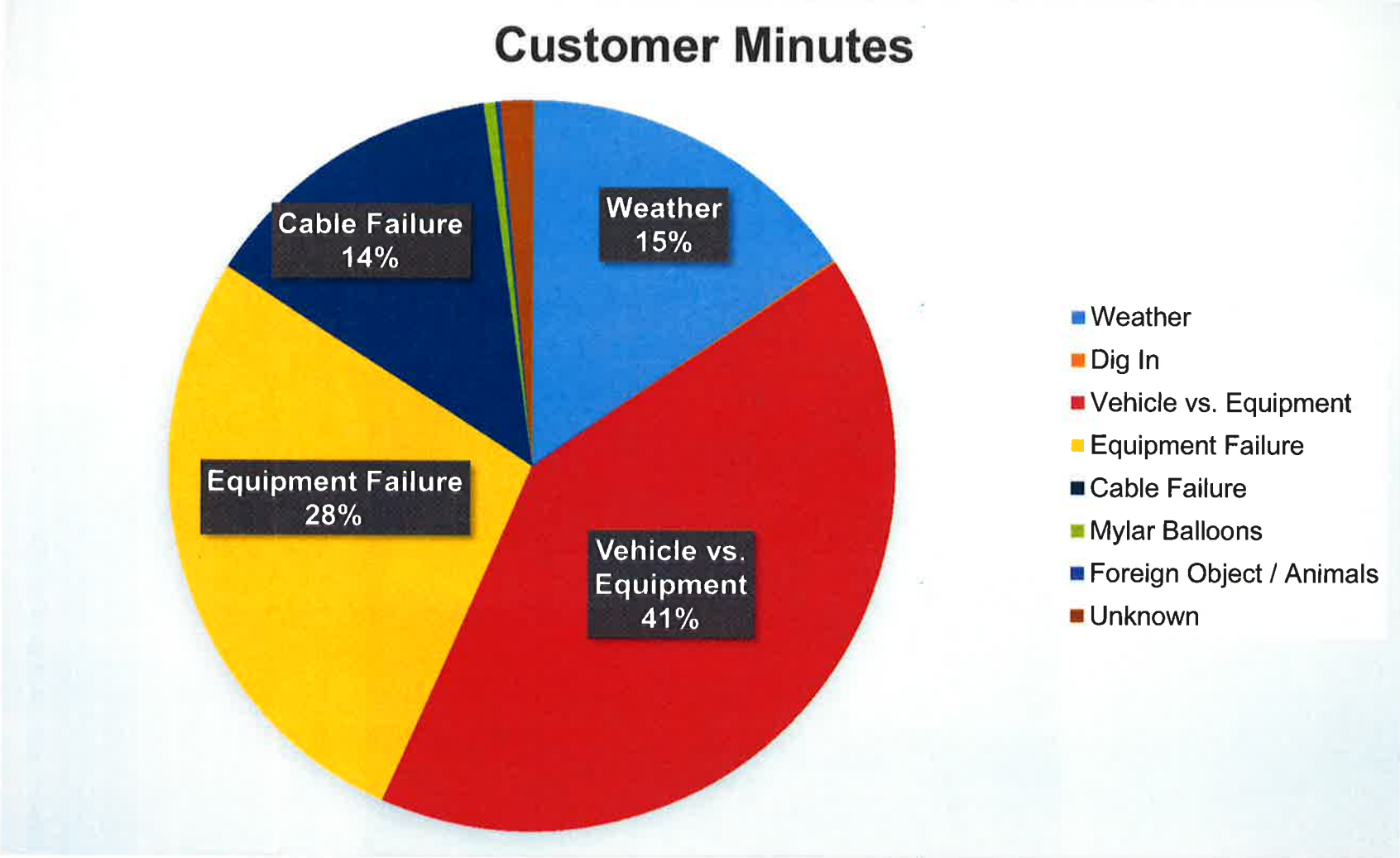
The System Average Interruption Duration Index (SAIDI) is the average sustained outage time for all customers.

For 2017, our SAIDI shows our average customer outage is 13 minutes.

'15-'17 Average Outage Duration, SAIDI



Customer Outage Minutes



Vehicle vs. Equipment

Outage Mitigation

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

Reliable System Design

- Design methodology 85% UG and 15% OH
- New installations design - underground lines with pad-mounted devices
  - Minimal risk of failure due to weather
- Designed for additional growth and flexibility
- 12 kV customers can be fed from multiple sources
  - Power can be maintained while work is performed
- 60 kV system is *networked* (redundant)

Fast Response

- Highly qualified and trained field crews
- First responders dispatched immediately after a problem is detected
- Average response time for 2017: 20 minutes

Questions?