



AGENDA
July 26, 2016

PUBLIC UTILITIES COMMISSION MEETING

7:00 p.m.

City Council Chambers
311 Vernon Street
Roseville, California

- 1. Roll Call**
- 2. Pledge of Allegiance**
- 3. Approval of the June 28, 2016 Minutes**
 - 3.1. June 28, 2016 Minutes
- 4. Oral Communications/Public Comment**
- 5. New Business**
 - 5.1. Roseville Electric Utility Monthly Update
Report by Electric Utility Director Michelle Bertolino summarizing monthly status of Electric issues, for information.
 - 5.2. Roseville Electric Utility Advanced Metering Project
Report by Finance & Administration Manager Philip McAvoy summarizing Electric's Advanced Metering project, for information.
 - 5.3. Environmental Utilities Monthly Update
Report by Environmental Utilities Director Rich Plecker summarizing monthly status of Environmental Utilities issues, for information.
 - 5.4. Water Utility Consumer Confidence Report
Presentation by Water Utility Manager Jim Mulligan and Water Treatment Plant Chief Operation Stephen Peterson on the Consumer Confidence Report, for information.
- 6. Reports – Commission/Staff**
- 7. Proposed Future Agenda Items**
- 8. Adjournment**



PUBLIC UTILITIES COMMISSION

Title: June 28, 2016 Minutes

Meeting Date: 7/26/2016
Item #: 3.1.

ATTACHMENTS:

Description

June 28, 2016 Minutes

MINUTES
Public Utilities Commission

June 28, 2016
7:00 p.m.

Council Chambers
311 Vernon Street
Roseville, CA 95678

1. Roll Call

PUC Commissioners Present: James McHan
Gretchen Hildebrand
Kerry Schmitz
John Speight
Jim Viele
John Vertido

PUC Commissioners Absent: Blandon Granger

Staff Present: Ken Glotzbach, Wastewater Utility Manager
Jim Mulligan, Water Utility Manager
Bobby Alvarez, Water Conservation Administrator
Kelye McKinney, Assistant Environmental Utilities Director
Michelle Bertolino, Electric Utility Director
Philip McAvoy, Electric Finance & Administration Manager
Michael Wardell, Power Supply Manager
David Siao, Electric Resource Analyst
Mike Bloom, Assistant Electric Utility Director
Shawn Matchim, Electric Regulatory Compliance Administrator
Jose Lopez, Environmental Utilities Senior Engineer
Cheryl Hammond, Electric Administrative Assistant
Joe Mandell, Senior Deputy Attorney
Karen Sainsbury, Recording Secretary

2. Pledge of Allegiance

3. Minutes of May 23, 2016 and May 24, 2016

The minutes of May 23, 2016 and May 24, 2016 were approved as presented.

4. Oral Comments/Public Comment

None.

5. New Business

a. Environmental Utilities Monthly Update

Report by Environmental Utilities Director Richard Plecker summarizing monthly status of Environmental Utilities issues, for information.

Ken Glotzbach presented the monthly update in Richard Plecker's absence.

b. Environmental Utilities Water Efficiency Programs Overview

Presentation by Water Conservation Administrator Bobby Alvarez on the Water Efficiency Programs Overview, for information.

Commissioner McHan requested additional information regarding water losses and un-metered water mentioned in the Urban Water Management plan presented at the April Public Utilities Commission meeting.

c. Sustainable Groundwater Management Act

Presentation by Assistant Environmental Utilities Director Kelye McKinney on the Sustainable Groundwater Management Act, for information.

d. Roseville Electric Utility Monthly Update

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

e. Roseville Electric Utility Hydroelectric Update

Presentation by Electric Rates and Financial Administrator Philip McAvoy summarizing Electric's Hydroelectric Adjustment for FY17, for information.

f. Roseville Electric Utility Public Benefits Programs Overview

Presentation by Electric Retail Services Supervisor Marty Bailey on Roseville Electric's Public Benefits Program, for information.

Bill Chaplin presented this item in Marty Bailey's absence.

g. Roseville Electric Utility Greenhouse Gas Proceeds Update

Presentation by Power Supply Manager Michael Wardell and Electric Resource Analyst David Siao on Greenhouse Gas Proceeds, for information.

6. Reports – Commission/Staff

Commissioner Vertido commented on a KCRA story of the Roseville's continued and expanded use of recycled water and was pleased to see the positive coverage and recognition of the good work the employees are doing.

7. Proposed Future Agenda Items

None.

8. Adjournment

Commissioner Viele moved for adjournment of the June 28, 2016 Public Utilities Commission meeting. Commissioner Vertido seconded the motion. The motion passed unanimously at 8:39 p.m.

Bandon Granger
Chairperson

Karen Sainsbury
Recording Secretary

Title: Roseville Electric Utility Advanced Metering Project

Meeting Date: 7/26/2016
Item #: 4.2.

ATTACHMENTS:

Description

Advanced Metering Infrastructure Project



Advanced Metering Infrastructure (AMI) Project

July 26, 2016
Roseville Public Utilities Commission
Philip McAvoy

City of Roseville, California

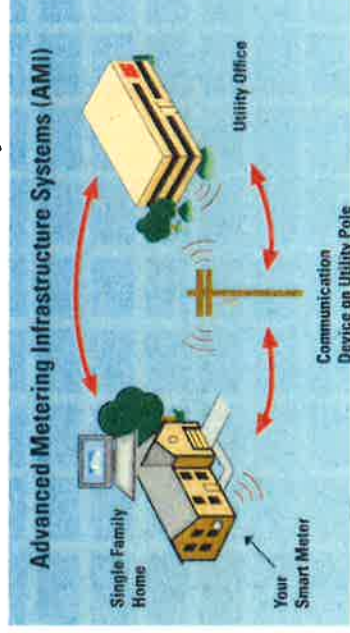
Current Meter Reading

- Walk by (hand or wand input)
- Drive by (radio read)
- Phone line (industrial)

City of Roseville, California

AMI Overview

- Two-way communications between customer meters and utility



Project Elements

- Add communication equipment
- Upgrade existing meters
- Install and integrate meter data management systems
- Optimize distribution system

Communications



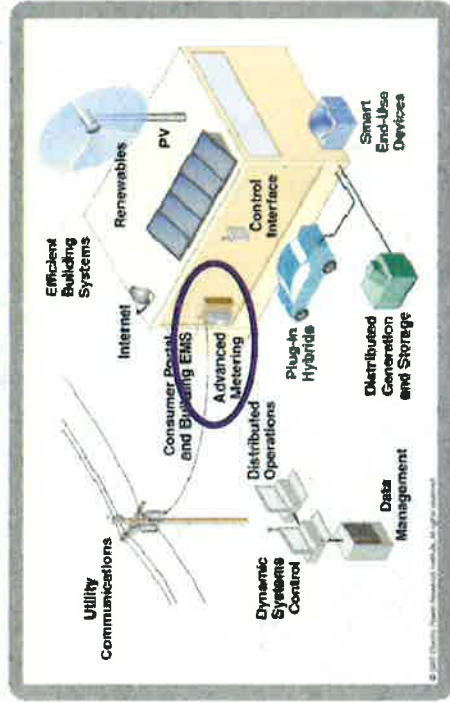
City of Roseville, California

AMI Data Collectors



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Meters



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Electric Meters

Old Mechanical



Modern Digital



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Water Meter



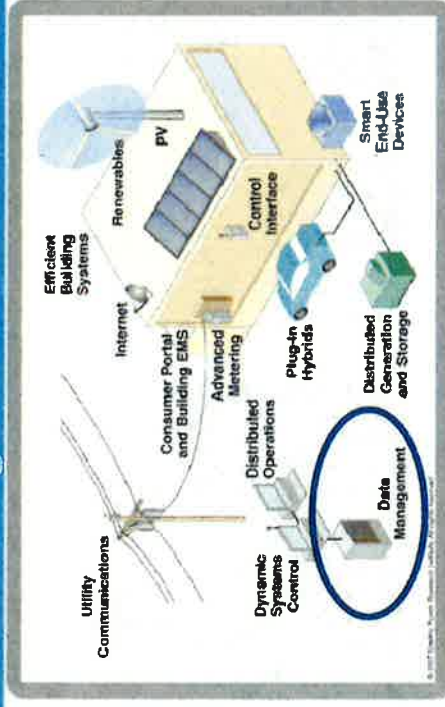
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Gas Meters with AMI module



City of Roseville, California

Data Management



City of Roseville, California

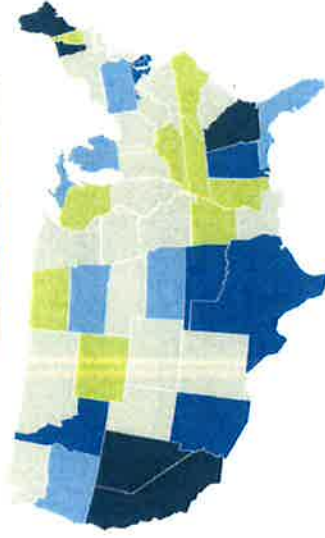
Meter Data Management

- Large influx of electric usage data
- Currently manage 600,000 residential reads / year
- AMI will add **1.7 billion** residential reads / year

City of Roseville, California

Who has AMI?

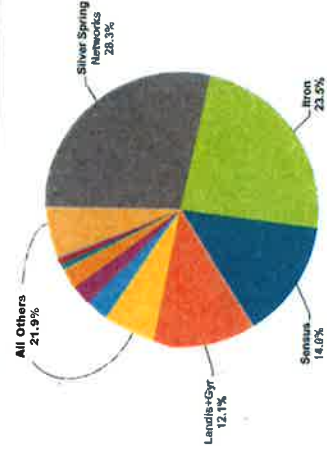
AMI Penetration in the U.S.



City of Roseville, California

AMI Market Share

Cumulative AMI Communications Vendor Selection Share*, North America:
April 2016



* Tracked projects only.
(Source: Navigant Research)

City of Roseville, California

Other Electric Utilities

- PG&E: Gas (including Roseville) and Electric AMI deployed
- SMUD: Electric AMI deployed
- Santa Clara: Electric and water AMI installation ongoing

City of Roseville, California

AMI Business Drivers

- Customer expectations
- Service improvements
- Environmental benefits
- Financially stable utilities
- Asset replacement

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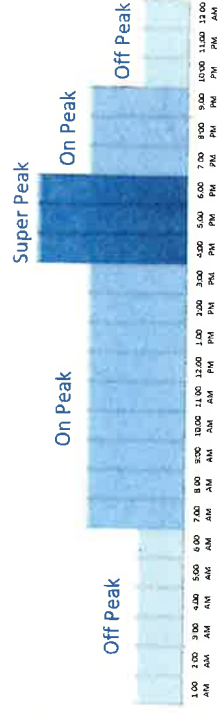
Utility Systems Improvements

- Water System
 - Pressure monitoring
 - Leak detection
- Electric System
 - Transformer sizing/loading
 - Voltage optimization
 - TOU load shifting

Electric Time of Use (TOU) Rates

- Rate varies based on hour of day
- Align revenues with costs
- Electric vehicle incentives

Current industrial TOU hours:



City of Roseville, California

Customer Service

- Data available to customers via website portal
- Immediate meter re-read and usage confirmation
- Immediate re-connection of electric service

City of Sonoma, CA

Project Financing

- Total cost estimate = \$20-23 million
- Water funds from capital spending plan
- Electric funds from capital spending plan and possibly CARB cap & trade auction proceeds

City of Sonoma, CA

Planned Outreach

- Extensive outreach to customers, commissions, councils, and staff
- Communications plan to be fully developed with consultant
- Opt-out alternative

City of Riverside, California

Project Timeline

- May 2015: Leidos final Business Case
- Fall 2015: Hired Utiliworks
- Spring 2016: Assessment & requirements
- July 2016: Issue RFP
- September 2016: AMI vendor bids due
- Winter 2017: AMI contract to City Council
- Summer 2017: Install test equipment
- Fall 2017: Proof of Concept testing
- Winter-Spring 2018: Install system wide

City of Riverside, California

Title: Water Utility Consumer Confidence Report

Meeting Date: 7/26/2016
Item #: 4.4.

ATTACHMENTS:

Description

2015 Water Consumer Confidence Report

2015 Water Quality Report

Jim Mulligan – Water Utility Manager
Stephen Peterson – Water Treatment Plant
Chief Operator

City of Roseville, California

Presentation Overview

- Background
 - Regulatory Requirements
- Report Content
 - Required Information
- 2015 Water Quality Overview

Background – What & Why

- **Water Quality Report**
AKA Consumer Confidence Report (CCR)
 - Consumer's right to know
 - Levels of detected contaminants
 - Compliance with drinking water standards
 - Education for consumers
 - Challenges of delivering safe water
 - Water conservation
 - Water Source Protection
 - Required by Federal Drinking Water Act and CA Division of Drinking Water (DDW)
 - Must be available by July 1 to consumers

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City of Roseville, California

2015 Water Quality Report



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City of Roseville, California

Report Content

- Required “language”
 - Water system information
 - Source of water
 - Notification in Spanish
- Educational information
 - Water conservation
 - Source water protection

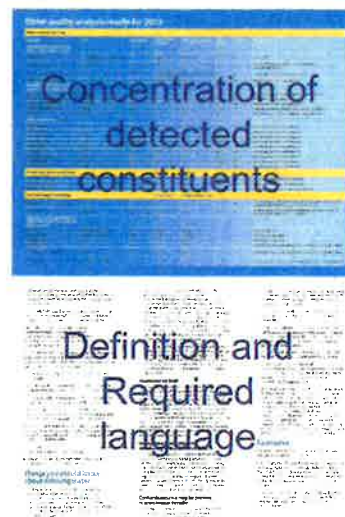


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Report Content

- Detected contaminants
- Definitions
- Required “language”
 - Compliance w/ drinking water regulations
 - Educational information



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City of Roseville, California

2015 Water Quality

Monitoring

- Water Source
 - Surface Water
 - Central Valley Project
 - Placer County Water Agency
 - No groundwater in 2015
- Distribution System Sampling
 - 30 weekly sites throughout the City
 - Disinfection Byproducts: quarterly monitoring
 - Lead & Copper: samples from selected homes

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City of Roseville, California

2015 Water Quality

- Constituents Analyzed
 - Primary Drinking Water Standards
 - established to protect public health
 - Secondary Drinking Water Standards
 - established for aesthetics
 - Additional Monitoring
 - Unregulated Contaminant Monitoring Rule (UCMR) 3

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City of Roseville, California

2015 Water Quality

- Overall Water Quality
 - Water sources & Distribution system
 - Meet and exceed **ALL** water quality standards, both primary and secondary
 - Lead and Copper is NOT an issue for concern in Roseville

City of Roseville, California

Summary

- Consumers' "right to know"
- Education
 - An educated consumer is more likely to protect their drinking water sources and understand the true cost of safe drinking water
- Certify completion and file with DDW
- Continue data collection process for following year

City of Roseville, California

Questions?