

Meter Replacement Project

Board of Public Utilities
October 4, 2018



OUR FUTURE IN EVERY DRÖP

Agenda

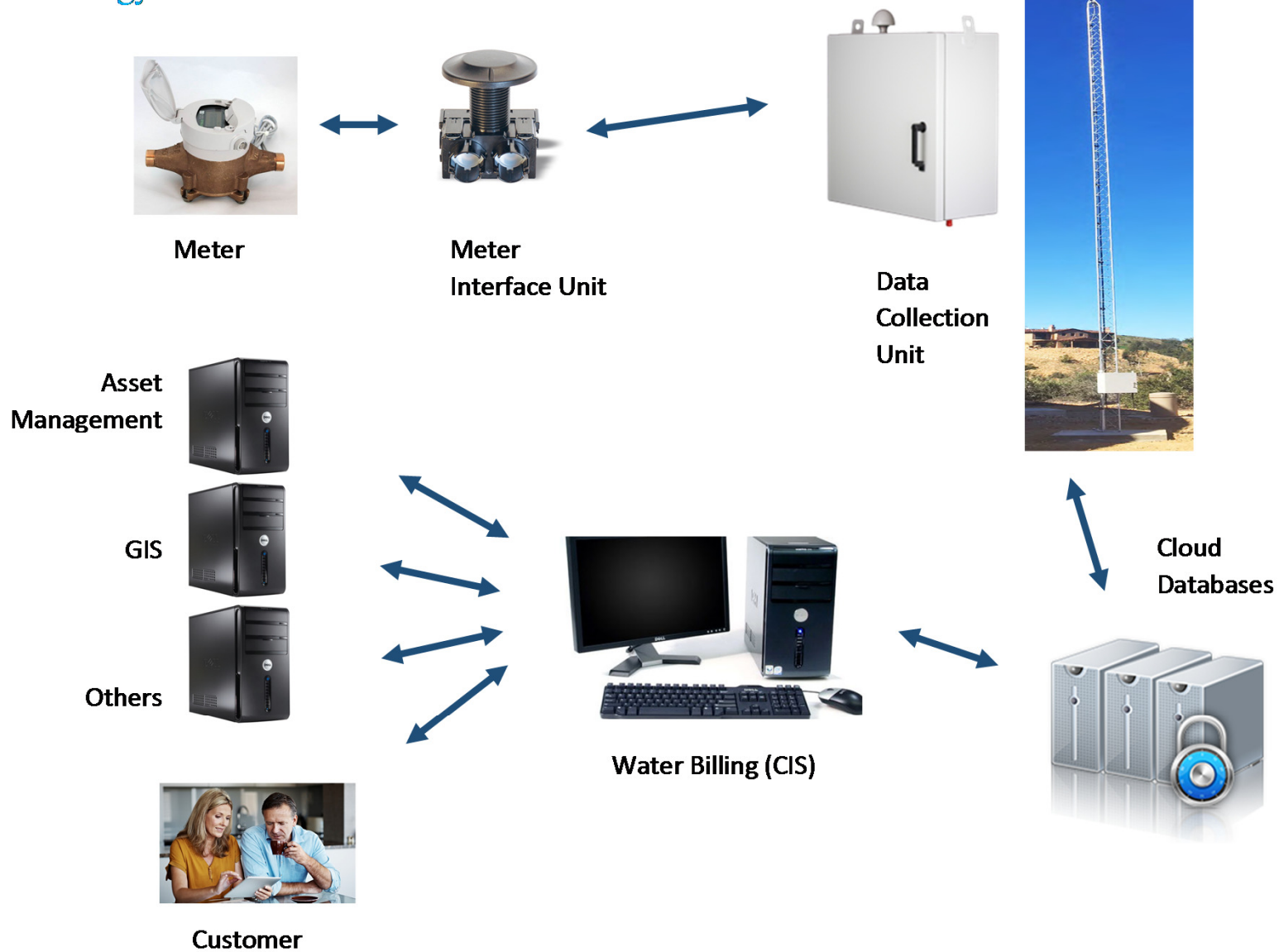
- Status of Meter Upgrade Project
- Damaged Meters
- Work with FEMA
- Vendor Selection

What is the Meter Upgrade Project?

- Installation of Advanced Metering Infrastructure (AMI)
- Integrated system
 - Meters
 - Communications networks
 - Data management systems
 - Two-way communication between Santa Rosa Water (SRW) and meters

Advanced Metering Infrastructure

Technology and Data Flow



Project Costs

• Metering Equipment	\$8.8m
• • Age Replacement \$3m	
• Installation	\$2.6m
• Software	\$1m
• Antenna Installation	\$310k
• Professional Services	\$1.2m
Total	\$13.8m

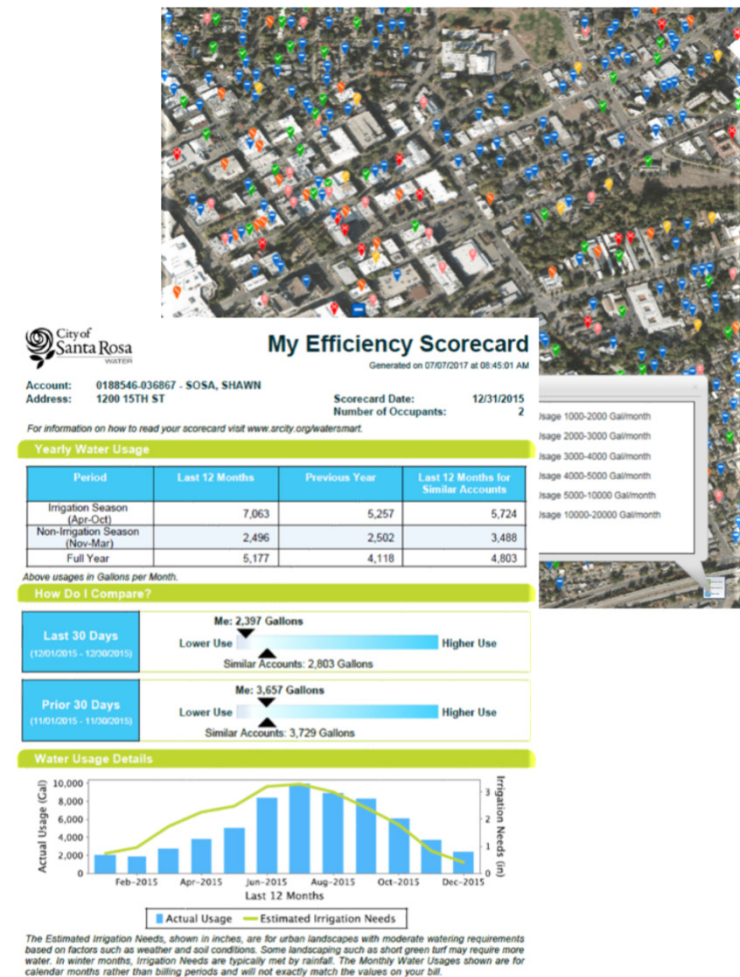
Installation

- 35,000 manually read
 - Replaced by installer
- 17,000 radio or touch
 - Replaced by City forces
 - Meter Specialists installing
- Current number of meters installed
 - 29,000
 - 24,000 by UPA
 - 5,000 by City



Project Benefits

- Customer Service
- Water Savings
- Near Real-Time Usage Data
- Greenhouse Gas Reductions
- Using data to improve other SRW core duties



Benefits Realized

- Continuous Usage Investigation
- Finding non registering meters
- Water Use Efficiency Audits
- During the fire
 - 362 upgraded meters
 - 5 found – 800 to 1,000 gallon hour leaks
 - GPS to sub meter helped locating

Meters Damaged

- Extreme heat
- Visible damaged
- Inaccurate measurement



FEMA Project

- Staff worked with FEMA
 - Identified issues
 - Determined number of replacements
 - Replacing to current standards
 - Upsizing for fire flow
 - Adding or replacing reading unit

Vendor Selection

- Meter Upgrade Project approved July, 2016
 - Sensus selected through RFP
 - Average 41% discount
 - Certified distributor pricing
 - Sensus holding pricing through project

Recommendation

- It is recommended that the Board of Public Utilities, by resolution, approve a blanket purchase order and approve non-competitive bidding for Sensus, Inc.

Questions?



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