

# Meter Replacement Project

**Board of Public Utilities**  
**October 4, 2018**



OUR FUTURE IN EVERY DRÖP

# Agenda

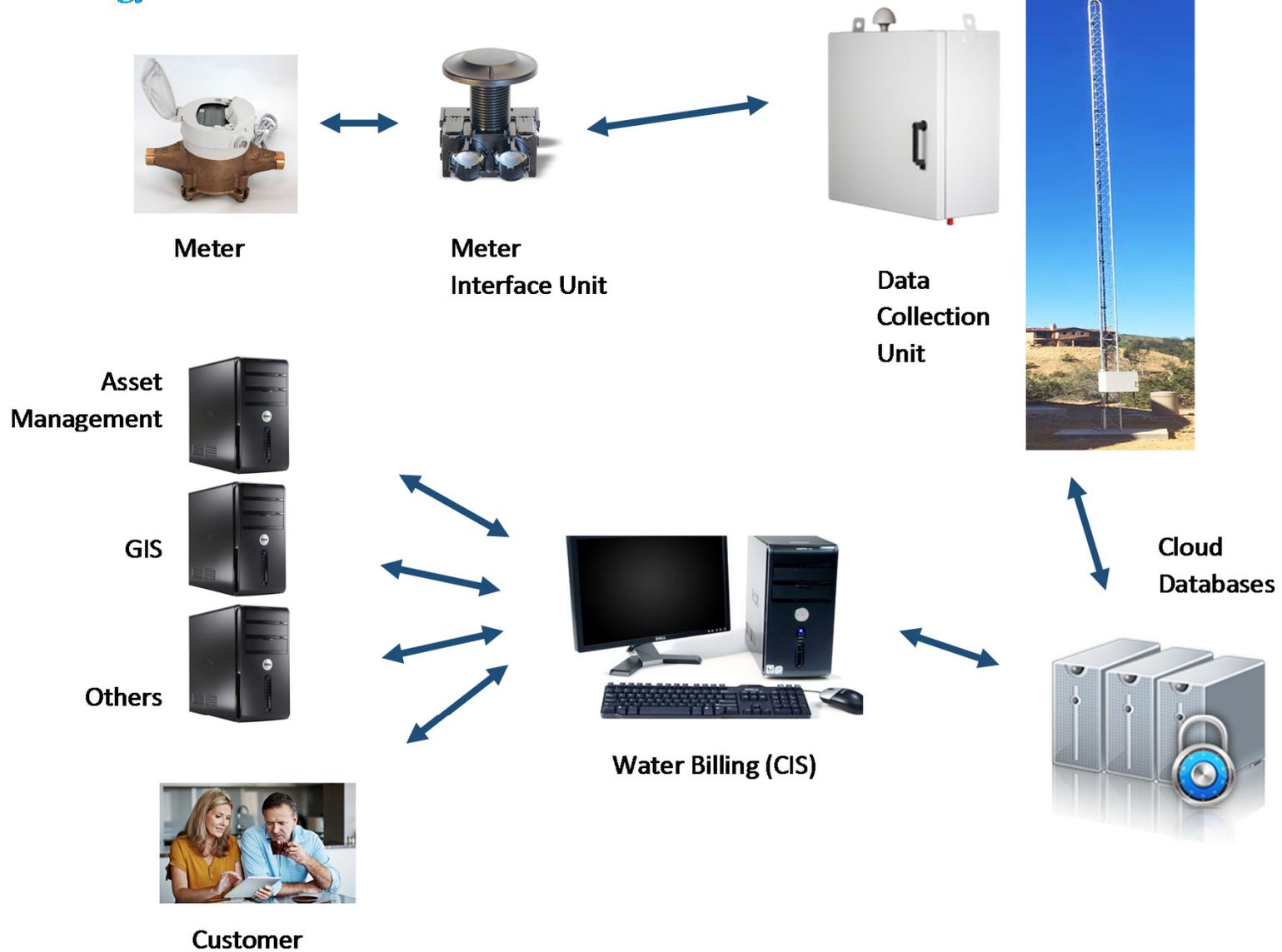
- Status of Meter Upgrade Project
- Damaged Meters
- Work with FEMA
- Vendor Selection

# 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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