

CITY OF CORONA, CA

April 2, 2024

Summary Presentation and
Request for Contract Approval



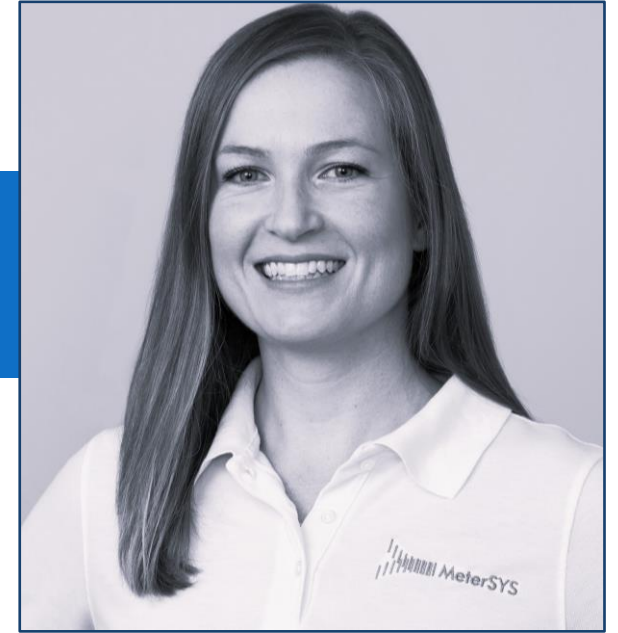
The Ask

Award a Professional Services Agreement to Ferguson Enterprises, LLC to provide Advanced Metering Infrastructure equipment as well as network infrastructure and data management system for a total amount of \$16,546,907.

About MeterSYS



Andy Honeycutt
MeterSYS President



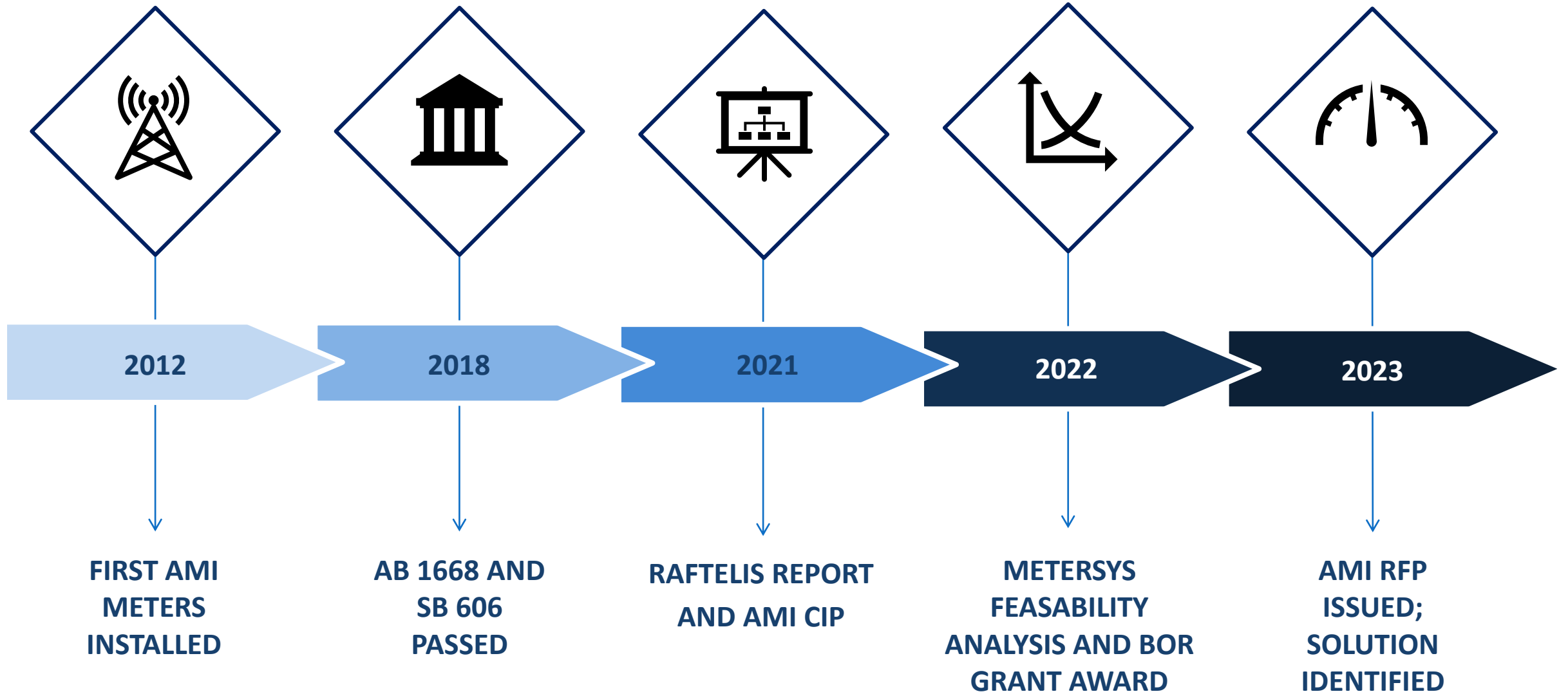
Lauren Brown
VP/Project Manager

It is the mission of MeterSYS to assist public utilities in the planning, selection, and implementation of advanced metering infrastructure (AMI) with a focus on sustainability of performance, enhanced customer engagement, greater operational efficiencies, and more effective natural resource management.

AMI Upgrade Project - Agenda

- 01 History of AMI in Corona
- 02 AMI Procurement Timeline
- 03 Benefits of AMI and Selected Solution
- 04 AMI Equipment Contract Summary and Costs
- 05 Next Steps
- 06 The Ask

History of AMI for the City of Corona



Benefits of AMI

City-wide network
provides 720
reads/meter/month



Meter accuracy +
usage trends/insight



Proactive alerts +
data for regulatory
compliance

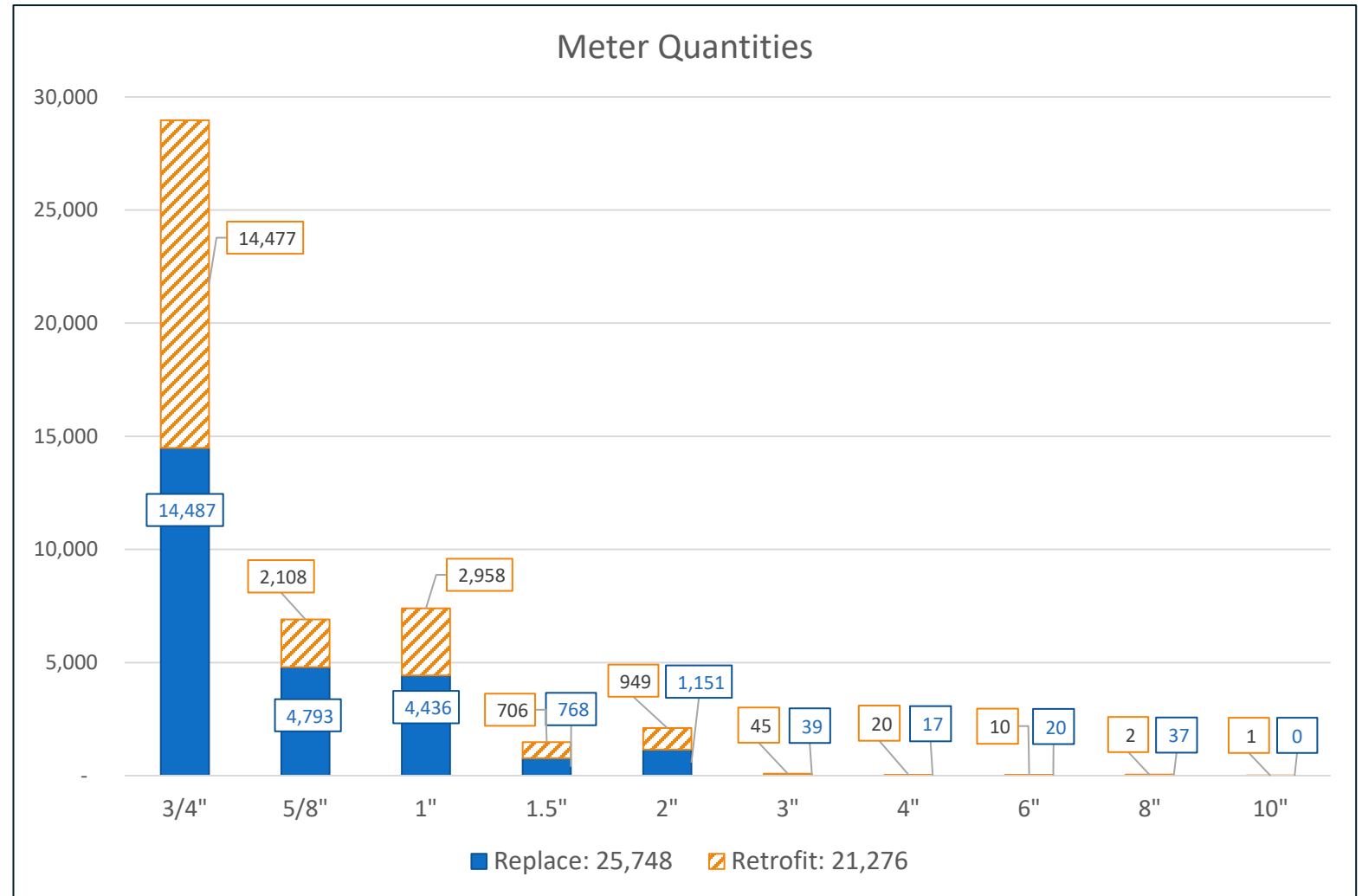


Operational
efficiencies +
reduced water loss



Competitively Selected Neptune AMI through Ferguson Waterworks

- Neptune has 130 years in meter technology
- Ferguson has 70 years industry experience
- 23 SoCal utilities and 4,000 utilities in US and Canada use Neptune AMI
- Selected Mach10 ultrasonic meter
- Leverages Neptune360 Meter Data Management System (MDM)
- Project supports existing replacement program



The Business Case for AMI and Ultrasonic Metering

Meter Upgrades and Meter Reading Automation Reduces or Eliminates:

- Contract Labor for Meter Reading and Re-reads (Alexanders)
- Annual Meter Replacement Funding
- Leak Adjustments
- Meter and System Troubleshooting
- Annual Meter Testing

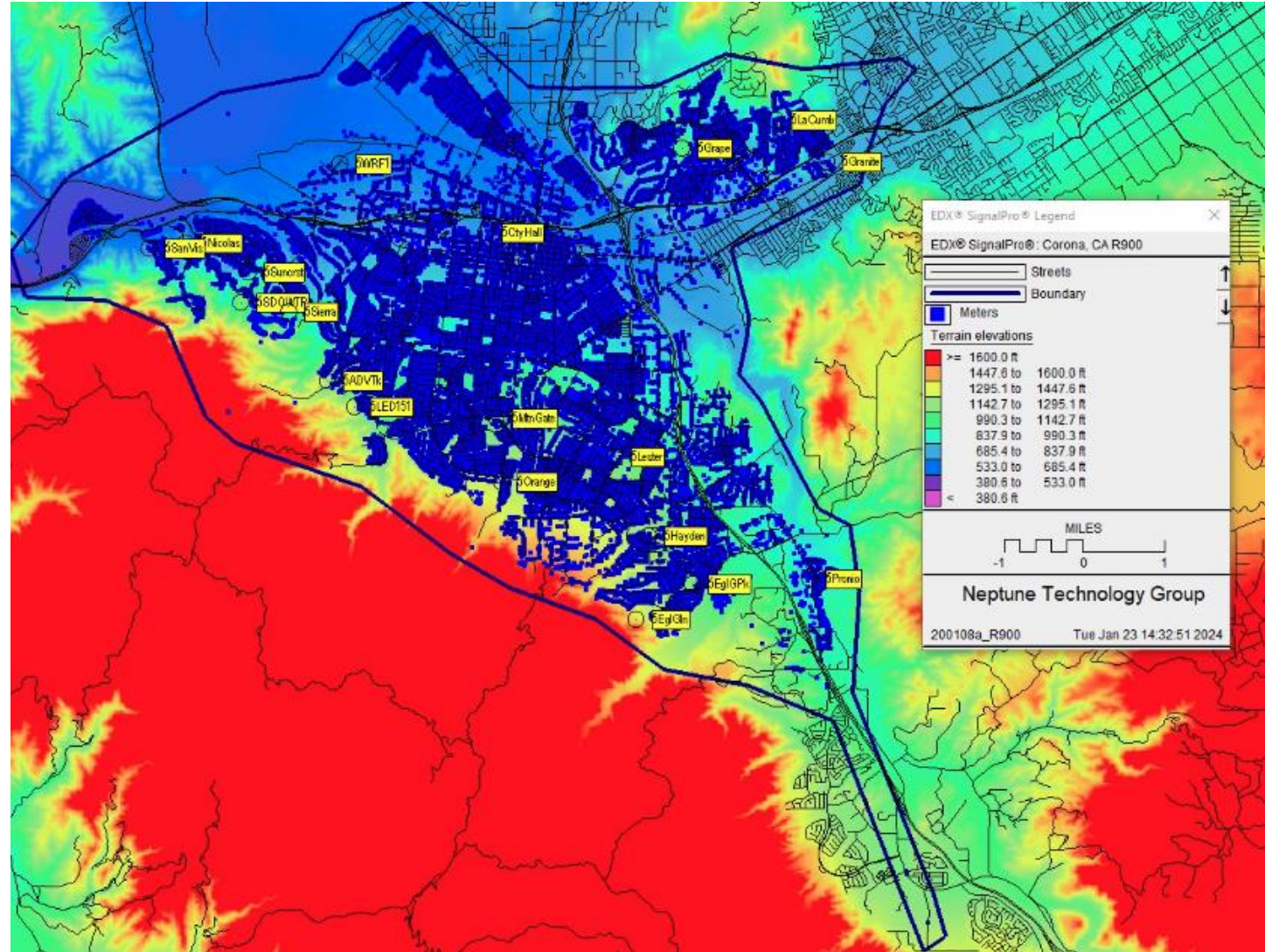
Meter Reading Automation Enhances or Promotes:

- Accuracy of Consumption Data and Associated Billing
- Customer Self-Service (Portal)
- Replacement Technology for End-of-Life Legacy Meters and Network (Neptune R450)



Neptune's AMI Foundation

- Certified propagation resulting in 19 gateways with 100% coverage and 90% redundancy
- Supports dual AMR/AMI mode
- Network design is LoRa-WAN allowing for future expansion of LoRa-WAN enabled sensors for municipal and utility operations
- Complement with cellular for hard-to-reach units



AMI Contracts for Phase 1

Prime Contract



Ongoing Support
Contract



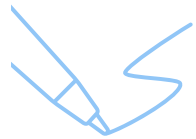
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Agreement



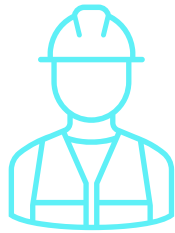
AMI Project Costs – Phase 1

Category	Cost
Network (20 collectors, 19 installs)	\$ 419,170
Software (Belt Clip, MRX, HES, and Year 1 OpEx)	\$ 124,932
Meters/Registers (25,748 meters, 18,924 registers only, 2,352 cellular endpoints)	\$ 11,461,240
Lids (estimated 41,500 of most common type for 90% assumed replacement)	\$ 2,911,800
Administration and Training	\$ 125,500
Contract Award to Prime Vendor (Ferguson)	\$ 15,042,643
10% Contingency Authorization	\$ 1,504,264
Total Authorization Request for Ferguson	\$ 16,546,907

Next Steps



Issue NTP
for AMI
Project



Begin
installation of
network assets



Issue NIB for
meter
installation
services

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Thank You
