

**City of Palo Alto****(ID # 11692)****Utilities Advisory Commission Staff Report**

Report Type: New Business**Meeting Date: 11/4/2020****Summary Title: Presentation AMI Fiber Update****Title: Informational Update on the Advanced Metering Infrastructure (AMI) and Fiber Network Expansion Projects****From: City Manager****Lead Department: Utilities**

Attached for UAC information is a PowerPoint presentation summarizing the recent highlights and tentative timeline of the advanced metering infrastructure (AMI) and fiber network expansion projects.

Attachments:

- Attachment A: Presentation

Discussion and Update of AMI and Fiber Network Expansion Projects

Utilities Advisory Commission
November 4, 2020





AMI RFP Outline

- Component 1: AMI Network, electric meters, gas/water meter radios
- Component 2: Water Meters: Up to 8,600 replacements > 20 years old
- Component 3: Gas Meters: Up to 11,900 replacements > 30 years old
- Component 4: Installation Services (Electric, Gas and Water)
- Component 5: MDM software and interfaces to CIS, GIS, MyCPAU





AMI RFP Evaluation

- **Evaluated 13 proposals**
 - 5 Turnkey (AMI network, MDMS, Installation services)
 - 2 AMI only
 - 4 MDMS only
 - 2 Installation services only
- **Interviewed 9 vendors**
 - 3 Turnkey
 - 1 AMI
 - 3 MDMS
 - 2 Installation services
- **Scheduled 3 AMI demonstrations**
- **Conducted 4 customer reference Q&A sessions**





AMI Tentative Timeline

- Proposal Deadline: June 2020
- Vendor Evaluations: July - Oct 2020
- Contract Negotiations: Nov 2020 – Feb 2021
- UAC Update – Mar/Apr 2021
- Council Approval: Q2 2021
 - 2-4 contracts; staffing for implementation
- Initial Installation and Software Interface Testing: 2021 - 2022
- Full Deployment: 2022 – 2024



Fiber Network Expansion Scope of Work

- Phase 1: Planning and High-Level Design for AMI, SCADA and internal Wireless Network
- Phase 1A: Fiber-to-the-Premise (FTTP) Business Case; Market and Needs Assessment; Financial Planning; Partnership Opportunities; High Level FTTP Design
- Phase 2: Detailed Aerial and Underground Design for AMI, SCADA and internal Wireless Network; Construction Standards and Bid Package
- Phase 3: Detailed Aerial and Underground Design for FTTP; Construction Standards and Bid Package





Fiber Expansion Tentative Timeline

