

Asset Management Workshop



Presented by: Department of Public Utilities

October 18, 2018



What is Asset Management?

- “a comprehensive and structured approach to the long-term management of assets as tools for the efficient and effective delivery of community benefits” (American Public Works Association).

What Are We Managing?

- Water

- 1,854 miles of distribution pipeline
- 140,992 service connections
- 14,091 fire hydrants
- 22,849 main line valves
- 260 active pump stations
- 200 acres of recharge basins
- 30 MGD NESWTF
- 54 MGD SESWTF (>\$400M)
- 537,700 Customers Served
- 192 employees
- Over \$2 Billion in assets



What Are We Managing?...cont.

■ Wastewater

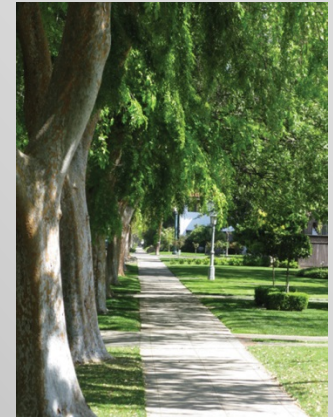
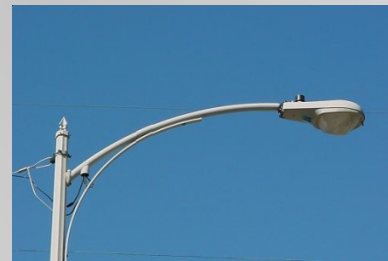
- 1,500 miles of pipes ranging from 4" to 84"
- 25,241 Sewer Manholes
- 19 Sewer Lift Stations (confirm)
- 3,200 Acres of Land
- 69 MGD WWTP
- 5 MGD Recycled Water
- 628,500 Customers Served (Fresno/Clovis)
- 181 employees
- Over \$1 Billion in assets



What Are We Managing?...cont.

- Public Works

- 45,851 Street Lights
- 81,768 Street Signs
- 1,796 Miles of Street
- 2,689 Miles of Sidewalk
- 233,054 Trees
- 265 Acres of Landscape





What is a Computerized Maintenance Management System (CMMS)

- Keeps a record of all assets in the system
- Plan and schedule work
- Maintains historical record of assets and maintenance history
- Inventory Control
- Manage Work Requests (FresGo)
- Access to Real Time information
- Reports and Key Performance Indicator's
- Integration to other Applications (FresGo, PeopleSoft, GIS, SCADA, etc.)



Benefits

- Minimize Downtime of Assets
- Greater Fiscal Management
- Increased Staff Efficiency
- Improved Customer Service
- Centralized Asset Information
- Ability to plan and forecast future costs
- Eliminating Legacy Systems
- Provides Value to our Ratepayers



Implementation Services

- Transfer historical data from legacy systems into EAM
 - Sewer Collections, Environmental Services, Streets and Landscape Maintenance Divisions
 - Water Division Inventory & Barcoding
- Implement New Water Division Operations in EAM
- Integration to current systems:
 - FresGo – Improve customer response time
 - PeopleSoft – Directly report time from EAM
 - GIS – Ability to create and assign WO's from map
- Training
 - Train-the-Trainer
 - Knowledge Transfer and Sharing
- Post Go-Live Support



Savings

- No new software purchases, just expanded current software.
- Eliminating old legacy programs no longer supported by vendors.
- Implementation has been approved in the FY2019 Budget.
- Estimated savings of \$350,000 over the life of the software.



Questions?