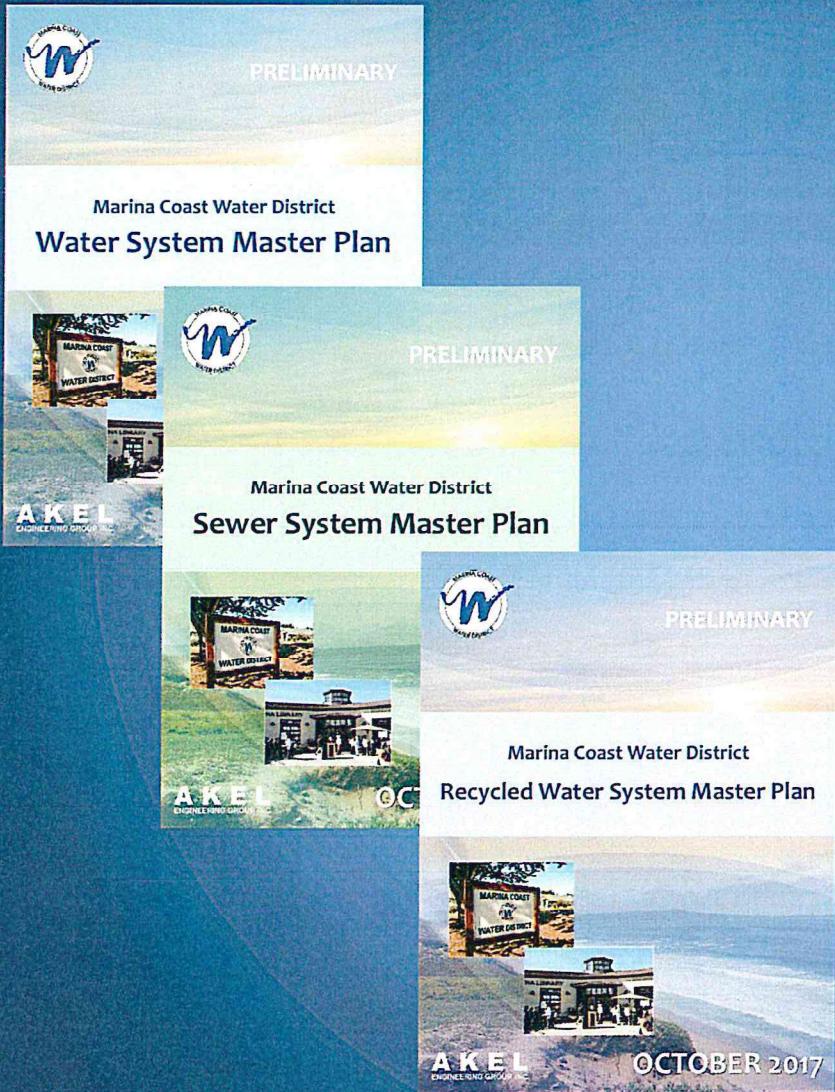


Project Status Update

2017

Water, Sewer, and Recycled Water Master Plans

October 23, 2017

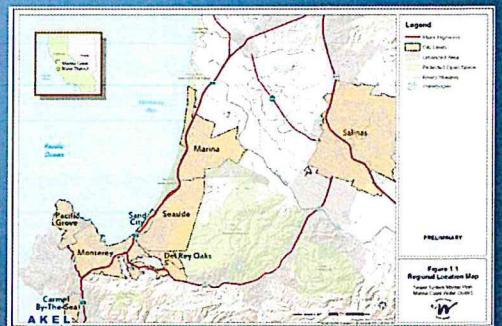


Introduction

- Water, Sewer Master Plans previously completed in 2007 and 2005 for the City of Marina.
- Water, Sewer Master Plans previously completed in 2004 and 2005 for the Ord Community.
- Quantify and prioritize system needs
 - New and Existing
- Master Plans become Guiding Document
 - Capital Improvement Planning and Budgeting
 - Meets Assembly Bill AB1600

Workshop Goals

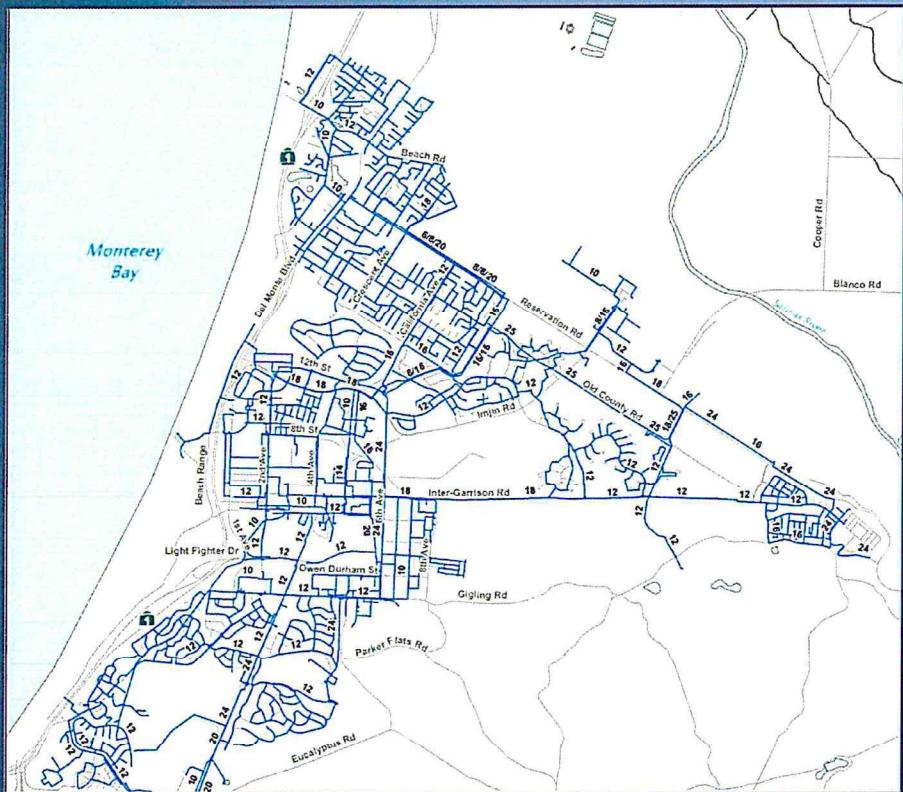
- Existing Systems – GIS Mapping and Model Development:
 - Water Infrastructure
 - Sewer Infrastructure
 - Recycled Water Infrastructure
- Brief Discussion on Methodology
- Capital Improvements Costs
- Schedule



Master Plans Methodology

- Develop GIS-based hydraulic model
- Develop Land Use
- Develop demands and flows
- Calibrate the hydraulic models
- Evaluate existing system capacities
- Recommend improvements to mitigate existing deficiencies
- Recommend improvements to service growth
- Develop Capital Improvement Program

Existing Water System



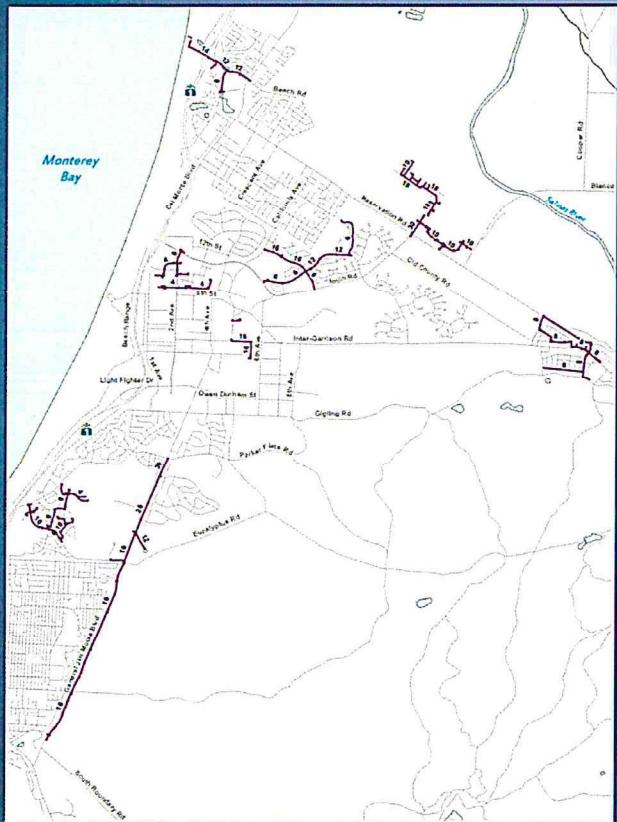
- New mapping is GIS-based
 - Developed based on CAD and maintenance mapping
 - 194 miles of Pipeline
 - 8 Wells
 - 6 Booster Stations
 - 8 Storage Reservoirs

Existing Sewer System



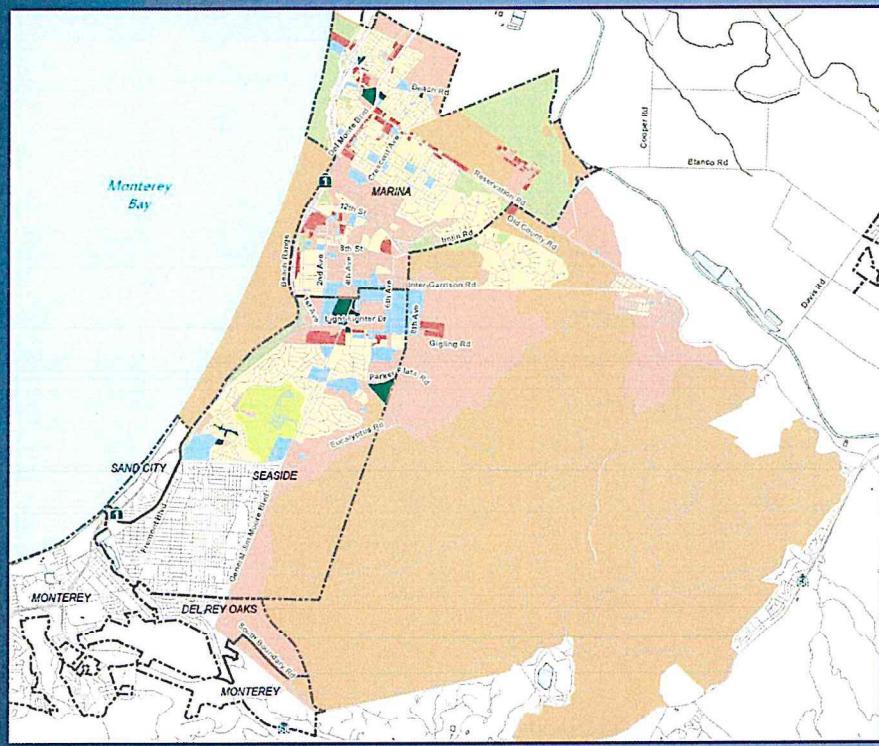
- Collection System:
Approx. 150 miles of
pipeline
 - 16 Lift Stations
 - Flows conveyed to
Monterey OneWater
Treatment Plant

Existing Recycled Water System



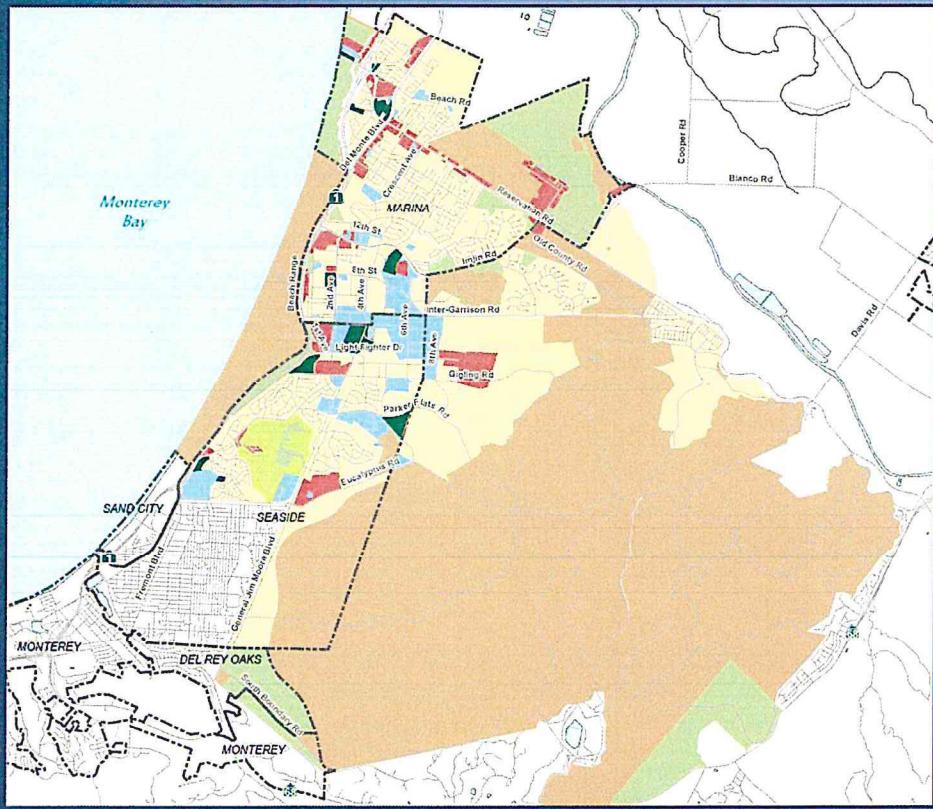
- Existing Infrastructure in place
- 17.5 miles
- Updated in GIS

Existing Land Use



- Developed GIS-based land use mapping from parcel data

Future System: City of Marina, Fort Ord Community, City of Seaside General Plans



- General Plan
Land Use
 - Developed and consolidated in
GIS

Master Plans Methodology

- Develop GIS-based hydraulic model
- Develop Land Use
- Develop demands and flows
- Calibrate the hydraulic models
- Evaluate existing system capacities
- Recommend improvements to mitigate existing deficiencies
- Recommend improvements to service growth
- **Develop Capital Improvement Program**

Capital Improvement Program