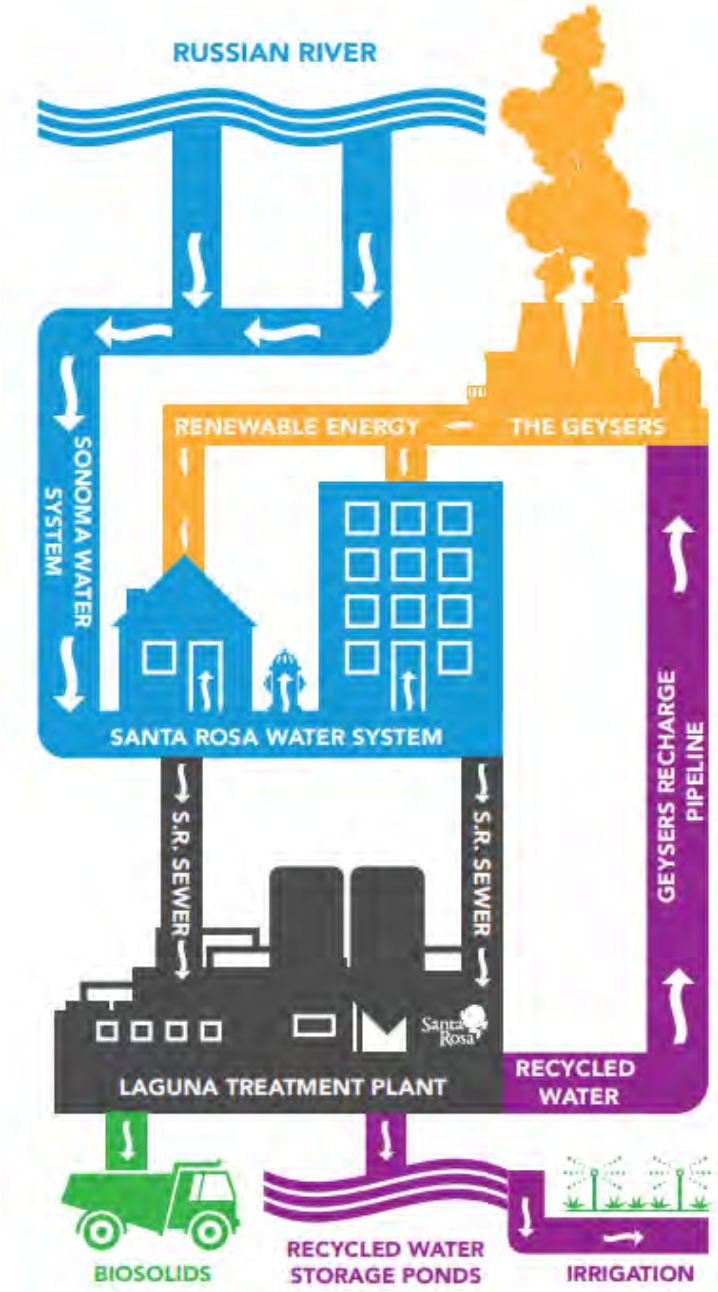
ENGINEERING RESOURCES

Andrew Allen, Supervising Engineer

Jeannine Sarragossa, Department Information Technology Supervisor

Engineering Resources

- Deputy Director - Lori Urbanek
- 22 Professional and Technical Employees
- 3 Interactive Work Groups
  - Water Engineering Services
  - Asset Management Engineering
  - Water Information Technology



Water Engineering Services

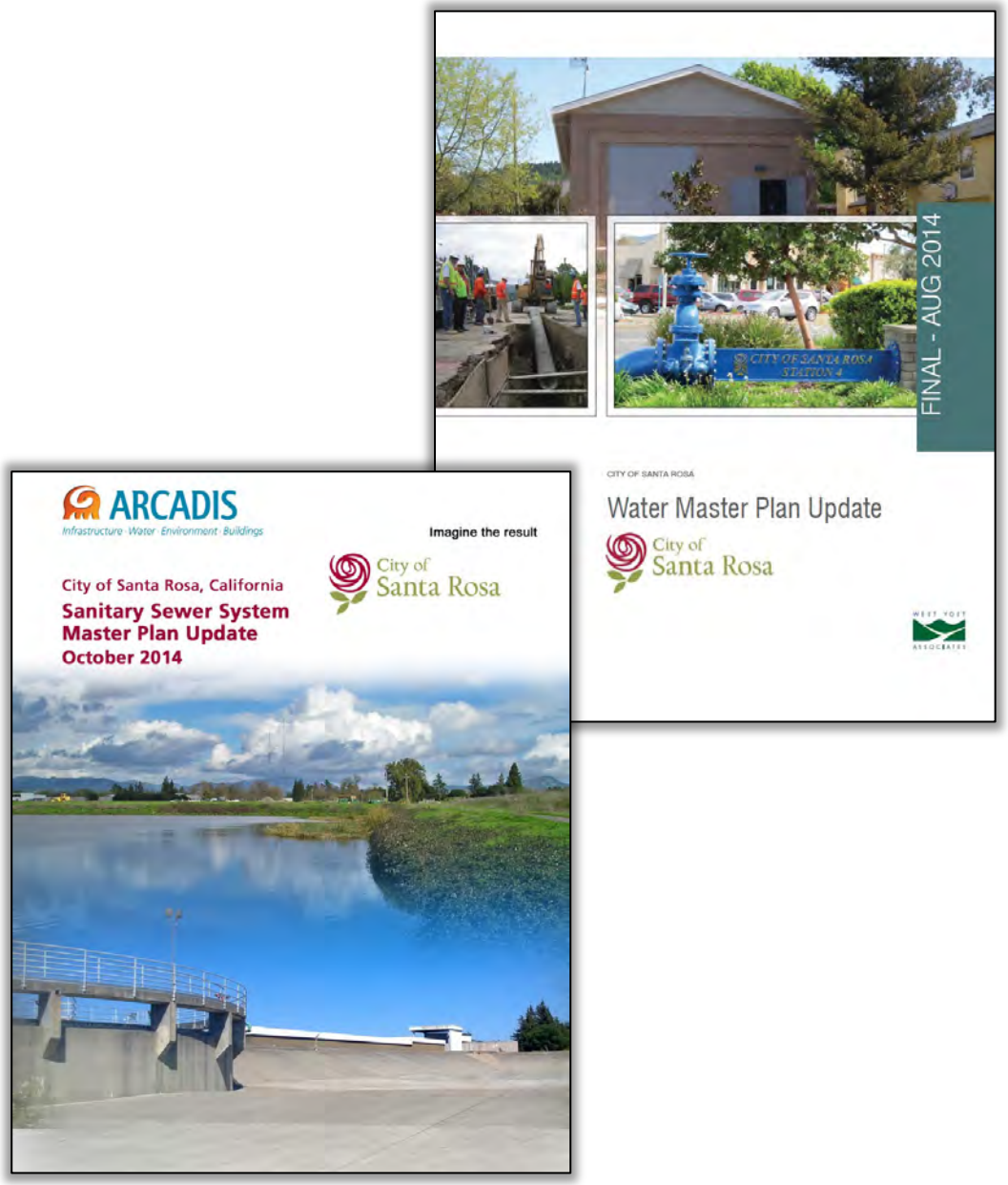
- Six Professional and Technical Employees
- Provide counter service, phone and email response for internal and external customers related to new development of water and sewer services
- Calculate and collect demand fees
- Oversee a variety of Payment Plan programs with annual payments
- Entitle building permits
- Entitle and inspect water and sewer related Encroachment Permits

Water Engineering Services

- Assist with Rebuild efforts to re-establish water and sewer services
- Provide fire flow information and coordinate flow tests
- Process new water meter requests
- Participate on subcommittees related to Cannabis and the Downtown Development initiatives
- Coordinate water and sewer Standards updates
- Coordinate with Sonoma Water for parcels in City limits served by South Park County Sanitation District

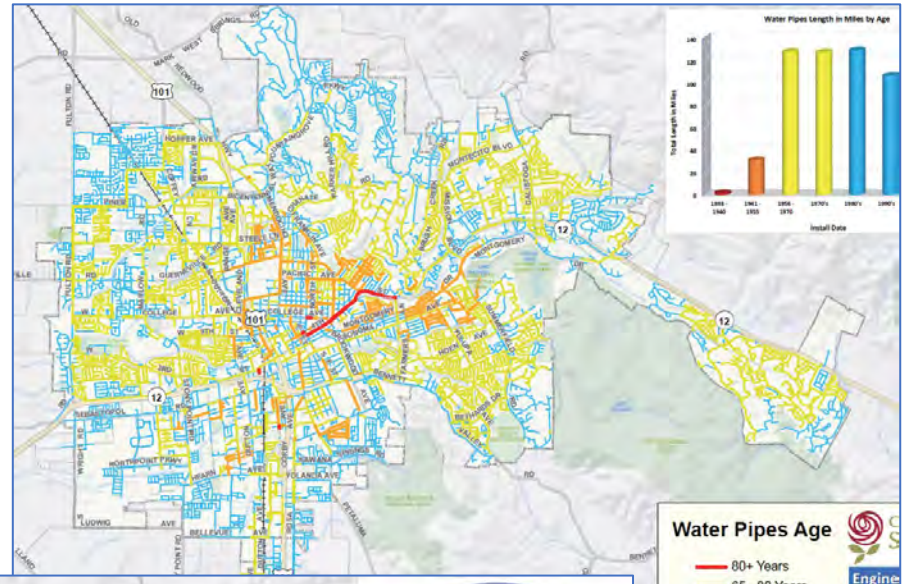
Asset Management Engineering

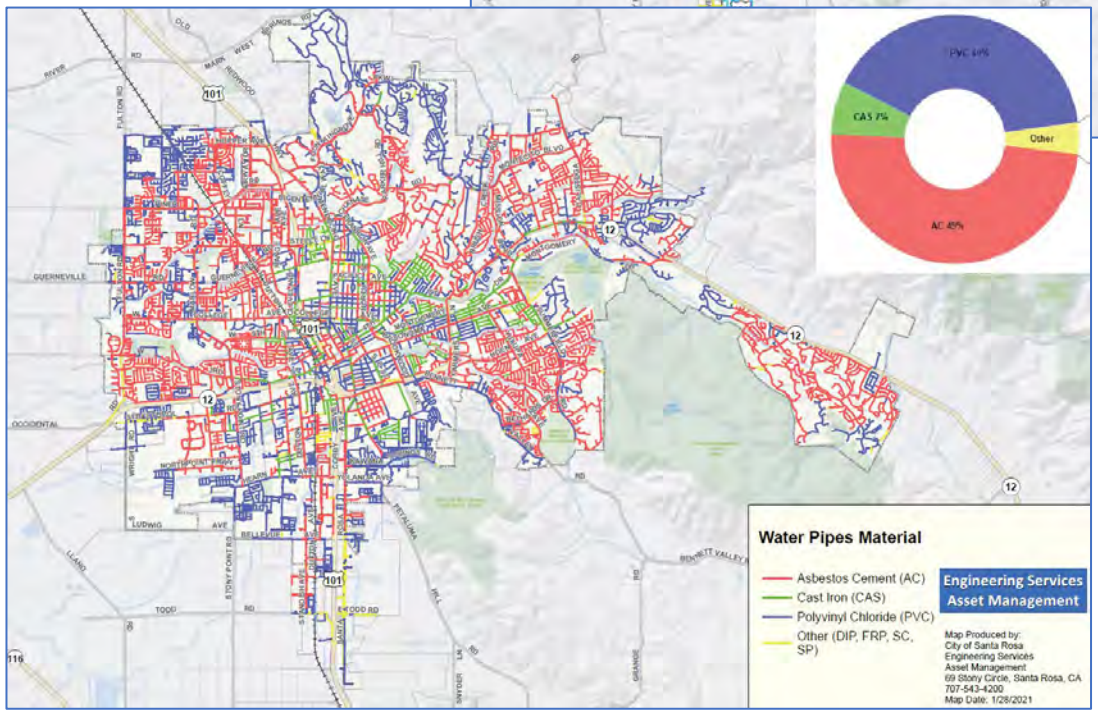
- Eight Professional and Technical Employees
- Develop the Capital Improvement Project (CIP) Program for Local Water, Local Wastewater and Regional Operations
- Provide year-round CIP planning and budgeting, including annual review and mid-year tactical changes
- Manage Master Plans, Condition Assessments, and Special Studies for Local Water, Local Wastewater and Regional Operations



Asset Management Engineering

- Manage Water System and Wastewater Systems Modeling Consultants
- Provide Mapping and Geographical Information System (GIS) Services for Local Water, Local Wastewater, Regional Operations and Storm Water Assets
- Provide engineering support for the Water Engineering Services Section related to development projects
- Provide engineering support for the Storm Water & Creeks Section of the Environmental Services Division





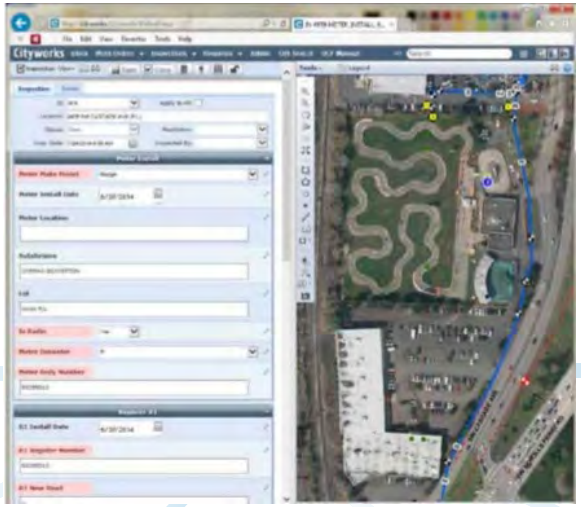
Water Information Technology

- Seven Professional and Technical Employees
- Support of all hardware and software used for specific Water Operations and Activities. (SCADA, TITAN, TOKAY, CIS)
- Support of regulatory and reporting requirements for Water.
- Process reviews and improvements in Operations and data collection through Web pages and mobile applications.
- Helpdesk support Specific to Water Staff.
- Technical Support on projects and decision support on Hardware and application purchases for the Water.

Water Information Technology

- Manage Cityworks Asset Management implementation for Water, Public Works, Parks, Recreation, and Parking. This is a GIS integrated software with the opportunity for mobile applications in the field and strategic asset and crew management in the office.
- Manage the new CCTV software and hardware for the Water Operations and Stormwater divisions using the GIS integrated software ITpipes.
- Manage the new SCADA upgrades for Local and Regional systems to improve the stability and security of the telemetry and control of the operations.
- Support the Electrical review for Asset Management of the LTP Electrical Systems.

Cityworks Implementation



FUTURE INVESTMENT

- Asset Lifecycle
- Projects
- Strategic Budgets

COSTS

- Labor
- Equipment
- Material
- Performance Budgeting

OPERATIONS

- Assignment Distribution
- Crew Size
- Community Engagement

RISK

- Operational Insights / Analytics
- Impacts on Service or Public Access

DATA

- Asset Mobile App updates
- GIS Search
- GIS Validation Tool

PERFORMANCE MEASURES

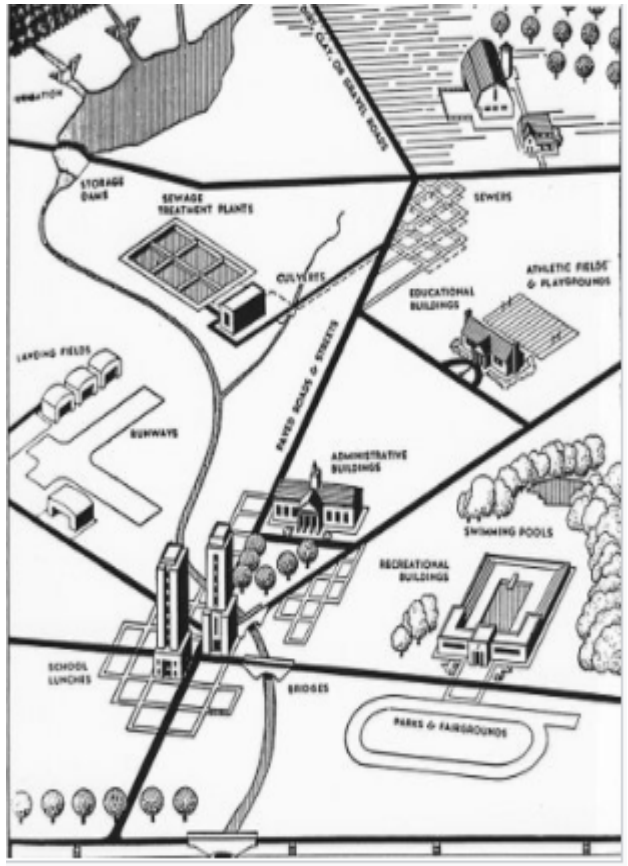
- Analytics Budget vs Actual
- Saved Searches
- Reports

LEVEL OF SERVICE

- Asset Readings
- Maintenance Strategy

Implementation Departments / Division

- Water Department
  - Water Distribution
  - Water Administration
  - Wastewater Collection
  - Geysers
  - Reclamation
  - Treatment (Operations & Maintenance)
- Environmental
  - Storm Water
- Recreation
- Parks



- Transportation and Public Works
  - Facilities
  - Street Maintenance
  - Electrical
  - Traffic
- Finance
  - Parking
  - Purchasing / Warehouse

Project Management and Support

Dept of Information and Technology - Water

IT / Water GIS team

Woolpert – Cityworks Implementor

Questions?