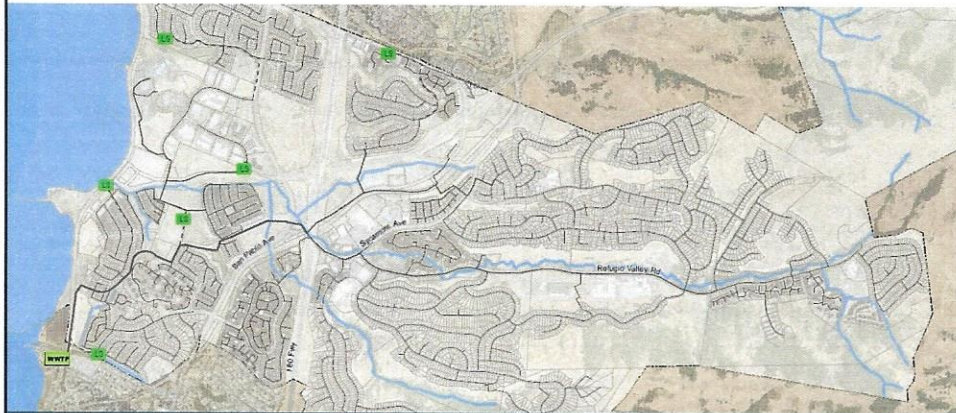




## Sewer System Management Plan

City Council Meeting | January 22, 2019



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### Presentation Overview

- SSMP Drivers and City Goals
- Description of Significant SSMP Updates
- Description of Minor SSMP Updates
- Next Steps

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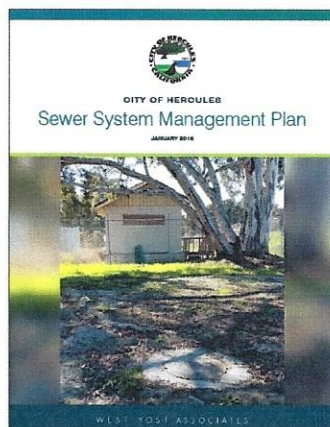
## Regulatory Drivers

### Statewide General Waste Discharge Requirements (WDR) for Sanitary Sewer Systems Order No. 2006-0003-DWQ

1. Develop and implement a system-specific SSMP
  - Required to audit every 2 years and update every 5 years
2. Comply with the Monitoring and Reporting Program (MRP) Order No. WQ 2013 0058 EXEC
  - Report overflows online and to certain agencies by phone
  - Minimize the occurrence and impacts of overflows
  - Conduct water quality sampling and submit technical reports for large overflows

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## Regulatory Drivers: State Water Board Inspections/Enforcement Top Priorities

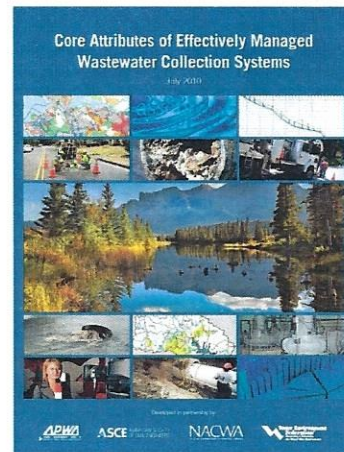


- Timely completion of CIP projects
- Regular Rehab/Replacement Program, if needed
- Sufficient funding, staffing, or training
- Successful Fats/Oils/Grease (FOG) source control and mitigation programs
- Timely SSMP audits
- Accurate and timely reporting of overflows
- Adequate records of overflows, maintenance, and improvements

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## Other Drivers for Good Wastewater Management



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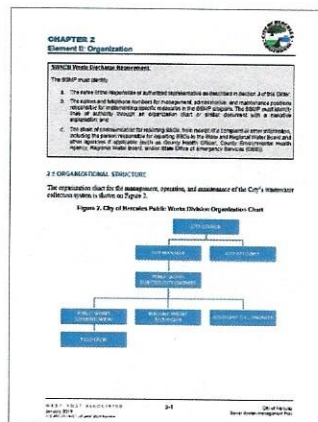
## City Goals

- Properly manage, operate, and maintain the City's sanitary sewer system through proper planning and implementation.
- Provide adequate capacity to convey flows.
- Minimize the number and frequency of sewer overflows through a proactive inspection and maintenance program.
- Mitigate the impact of sewer overflows through quick response times, thorough cleanup, and public notifications.

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## Description of Updates

- Appendix G: Required Log of SSMP Changes
- General Updates:
  - Main body of the SSMP organized into Elements 1 through 11 required by the Waste Discharge Requirements (WDR) plus an Introduction.
  - WDR added at the top of each Element.
  - Created 3-ring binder "working document" format with tabbed appendices to facilitate ease of continual updates.



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## Description of Significant Updates

- Introduction: New
- Element 2: Organization
  - Update Organizational Chart
  - Assigned SSMP Responsibilities
  - Added SSO Reporting Flow Chart
  - Added Appendix A: Responsible Officials Phone List

Element	Responsible City Official
- Introduction	
I Goals	PW Director/City Engineer
II Organization	
III Legal Authority	
IV Operations and Maintenance Program	PW Superintendent
V Design and Performance Provisions	PW Director/City Engineer
VI Overflow Emergency Response Plan	PW Superintendent
VII FOG Control Program	
VIII System Evaluation and Capacity Assurance Plan	PW Director/City Engineer
IX Monitoring, Measurement and Program Modifications	
X Program Audits	
XI Communications Program	Assistant Civil Engineer

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## Description of Significant Updates

- Element 4: Operation & Maintenance Program
  - Updated Mapping Section to reflect current procedures and identify map updates as opportunities for future improvements.
  - Updated Preventative Maintenance Section to reflect current procedures and accomplishments:
    - Sewer Hot Spots are cleaned quarterly.
    - Entire sewer system was cleaned and inspected in 2018. Rehab/replacements will be identified in 2019.
    - Pump stations are inspected daily with quarterly maintenance.
    - Private sewer laterals are cleaned and inspected by property owners.

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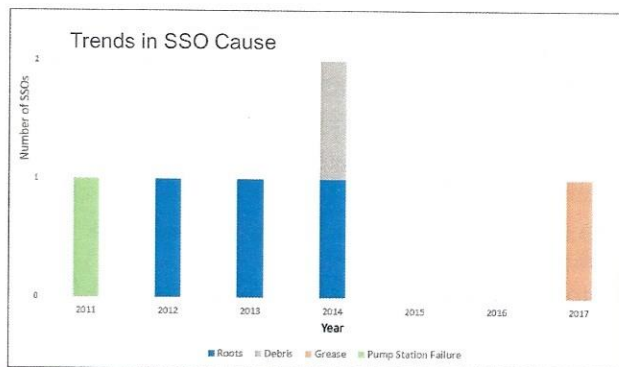
## Description of Significant Updates

- Element 4: Operation & Maintenance Program
  - Updated Training Section to reflect current procedures.
  - Updated Equipment and Parts Section to reflect current procedures.
  - Added Appendix B: Major Equipment and Critical Parts Inventory
- Element 7: FOG Control program
  - Updated to respond specifically to WDRs and describe the City's participation in the Contra Costa Clean Water Program for FOG source control.
  - Potential opportunity identified for public outreach/education in residential areas.

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## Description of Significant Updates

- Element 9: Monitoring, Measurement, and Program Modifications
  - Updated to reflect recent system performance.



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## Description of Significant Updates

- Element 10: SSMP Program Audits
  - Updated to reflect recent audit and regular audits/updates going forward.
  - Appendix F added to include 2019 Audit and blank SSMP Audit Template.

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## Description of Minor Updates

- Introduction: New
- Element 1: Goals
  - Very minor revisions to reflect current goals.
- Element 3: Legal Authority
  - Referenced Municipal Code sections in tabular format for clarity.
- Element 5: Design and Performance Provisions
  - Minor updates made to reflect current standards and reference WDRs.

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## Description of Minor Updates

- Element 6: Overflow Emergency Response Plan
  - Minor updates made to reflect current procedures and emergency resources.
  - Opportunities identified for looking for potential mutual aid partnerships with neighboring agencies and potentially creating formal on-call staff provisions to increase responsiveness in emergencies.
- Element 8: System Evaluation and Capacity Assurance Plan
  - Minor updates made to include the Master Plan in Appendix E and to document the upcoming Master Plan update in 2019.

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## Description of Minor Updates

- Element 11: Communication Program
  - Minor updates made to reflect the current program and to identify posting the Updated SSMP on the City's website as a communication/education tool with the public.

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## Next Steps

1. Council adoption of Resolution approving and certifying the 2019 SSMP Update with changes, if any.
2. After adoption, staff will finalize the 2019 SSMP, post to the City's website, and submit to the State Water Board.
3. Keep the SSMP up-to-date continually as a "working document".
4. Schedule and perform SSMP audits at a minimum of every two years from the date of original adoption (2012): 2020, 2022, etc.
5. Schedule and perform SSMP updates every five years from the date of original adoption (2012): 2022, 2027, etc.

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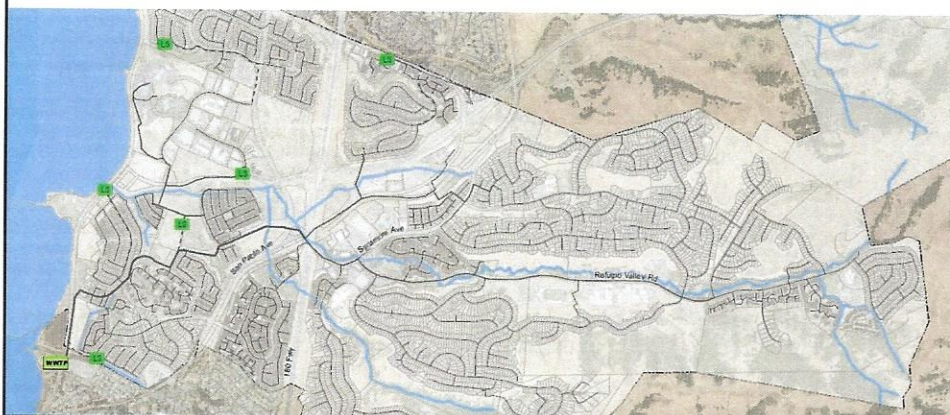


# Questions?

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