

Restoring Water Service to the Advisory Area

Santa Rosa City Council Meeting
September 7, 2018



OUR FUTURE IN EVERY DRÖP

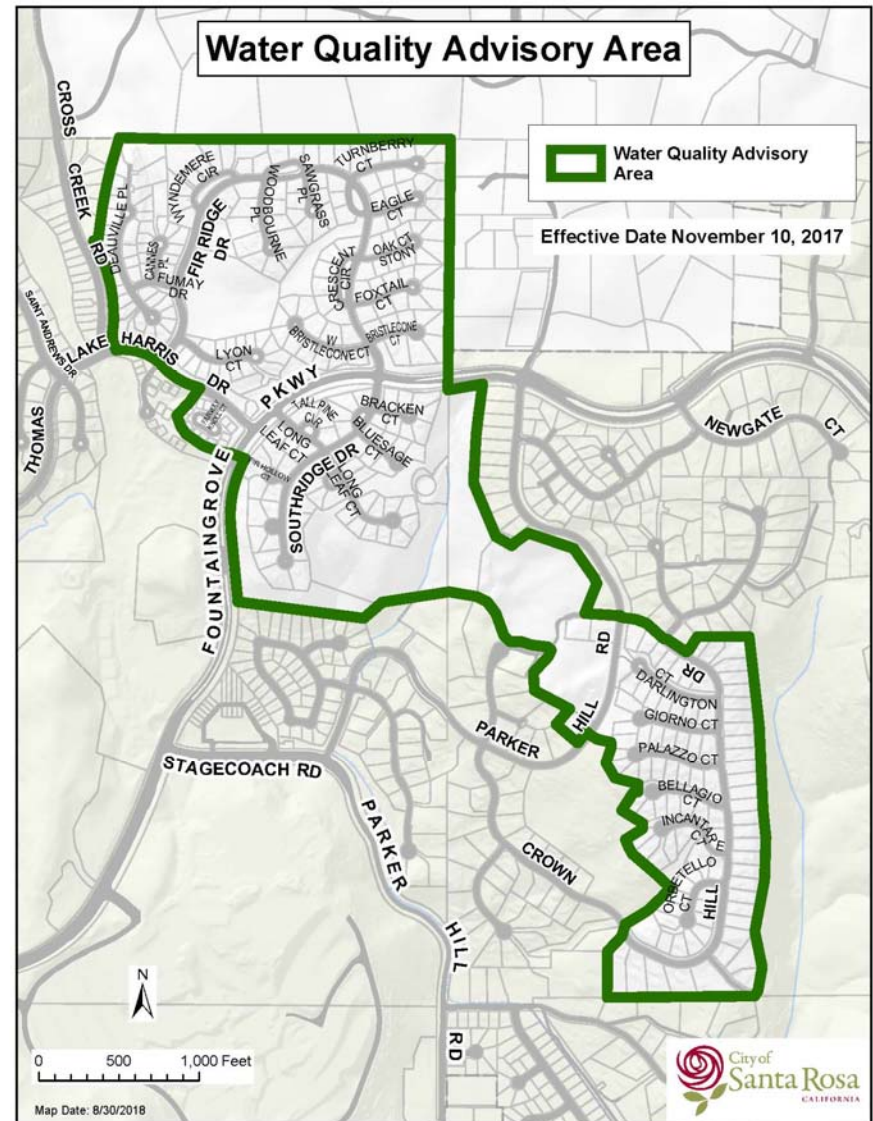
Overview

- Background
- Status of Pathway to Repair & Rebuild Process
- Data Review & Effectiveness of Replacing Service Lines
- Plan for Lifting of the Advisory
- Next Steps & Ongoing Monitoring

Post-fire Water Quality Advisory

Fountaingrove Area

- Odor complaint 11/08/2017
- Issued advisory 11/10/2017
- Additional precautions issued 1/23/2018



Partner Agencies and Experts

- Sonoma County Public Health
- Sonoma County Water Agency
- California Division of Drinking Water
- U.S. Environmental Protection Agency
- Forensic Chemists
- Toxicologists
- National Water Quality Experts

Investigative Sampling

Water Quality Sampling Results

- Sample Station
Samples taken at sample stations are representative of drinking water quality supplied to homes and businesses in the area.

Investigative Sampling Results for Benzene

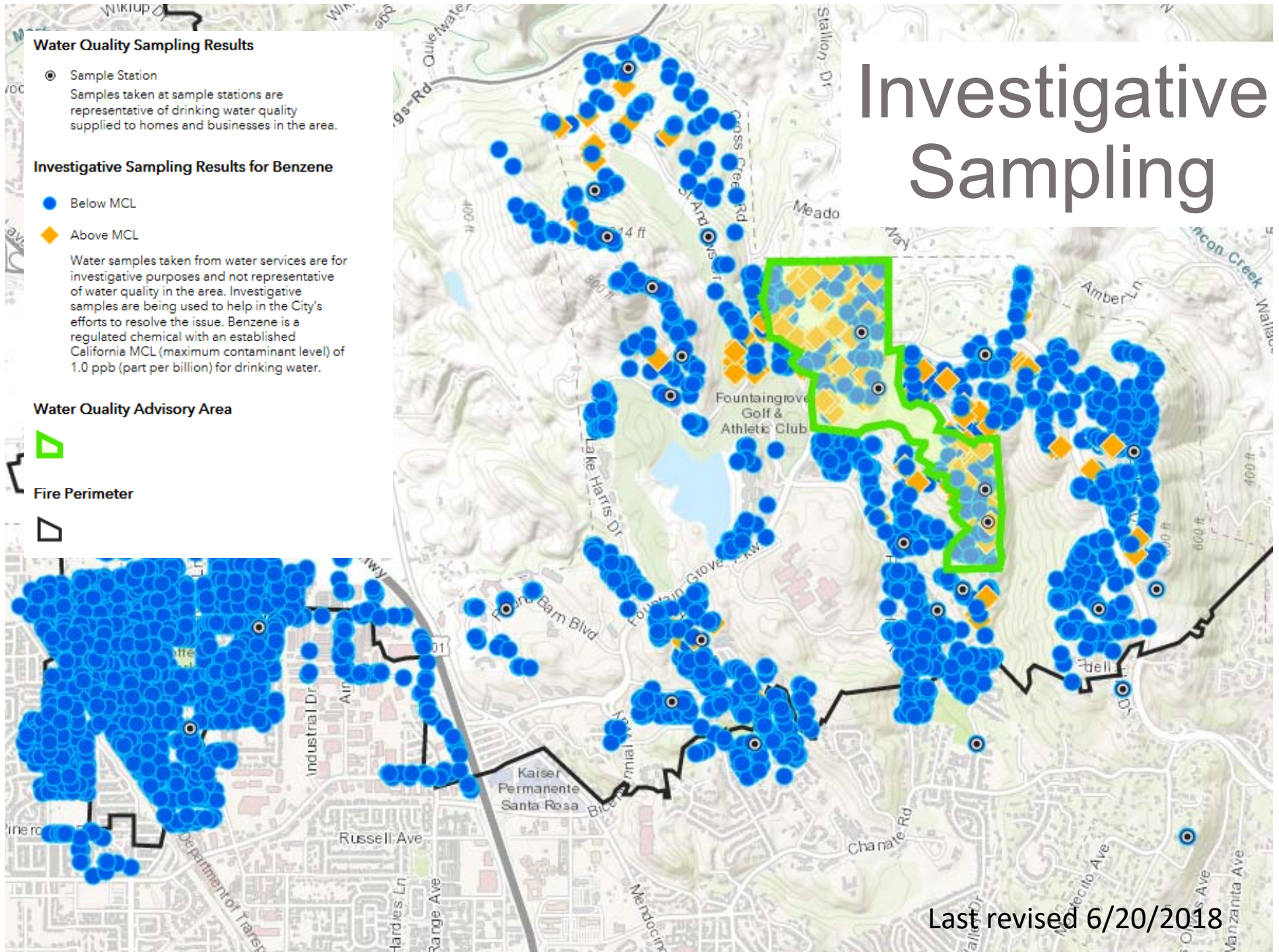
- Below MCL
- ◆ Above MCL

Water samples taken from water services are for investigative purposes and not representative of water quality in the area. Investigative samples are being used to help in the City's efforts to resolve the issue. Benzene is a regulated chemical with an established California MCL (maximum contaminant level) of 1.0 ppb (part per billion) for drinking water.

Water Quality Advisory Area



Fire Perimeter



Last revised 6/20/2018

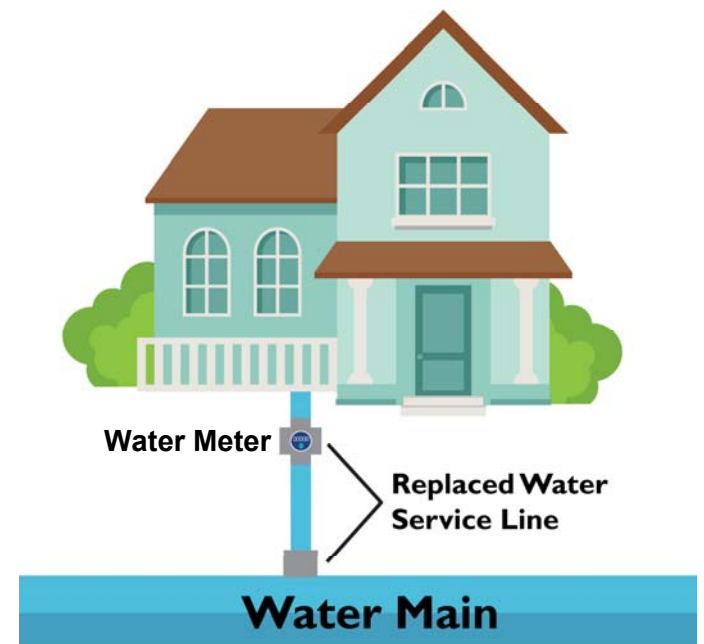
Understanding the Source

- Melting and burning of plastics
- Smoke, soot, and ash
- Adhered and absorbed into water services and system components



Path Toward Restoring Water Service

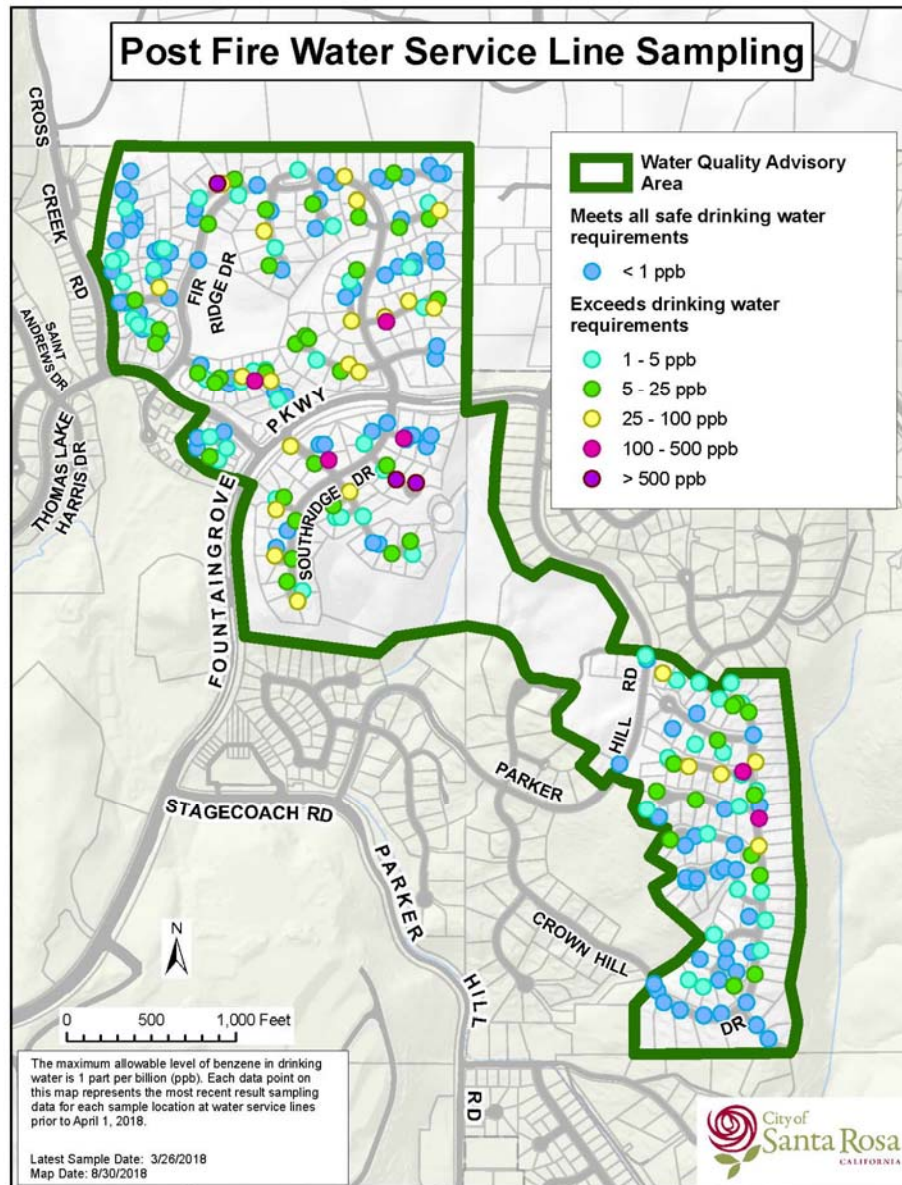
- Data driven approach
- Every water service line was replaced and re-sampled
- Targeted replacement of water system infrastructure
- Systematic flushing and sampling
- Water quality will continue to be routinely tested and monitored



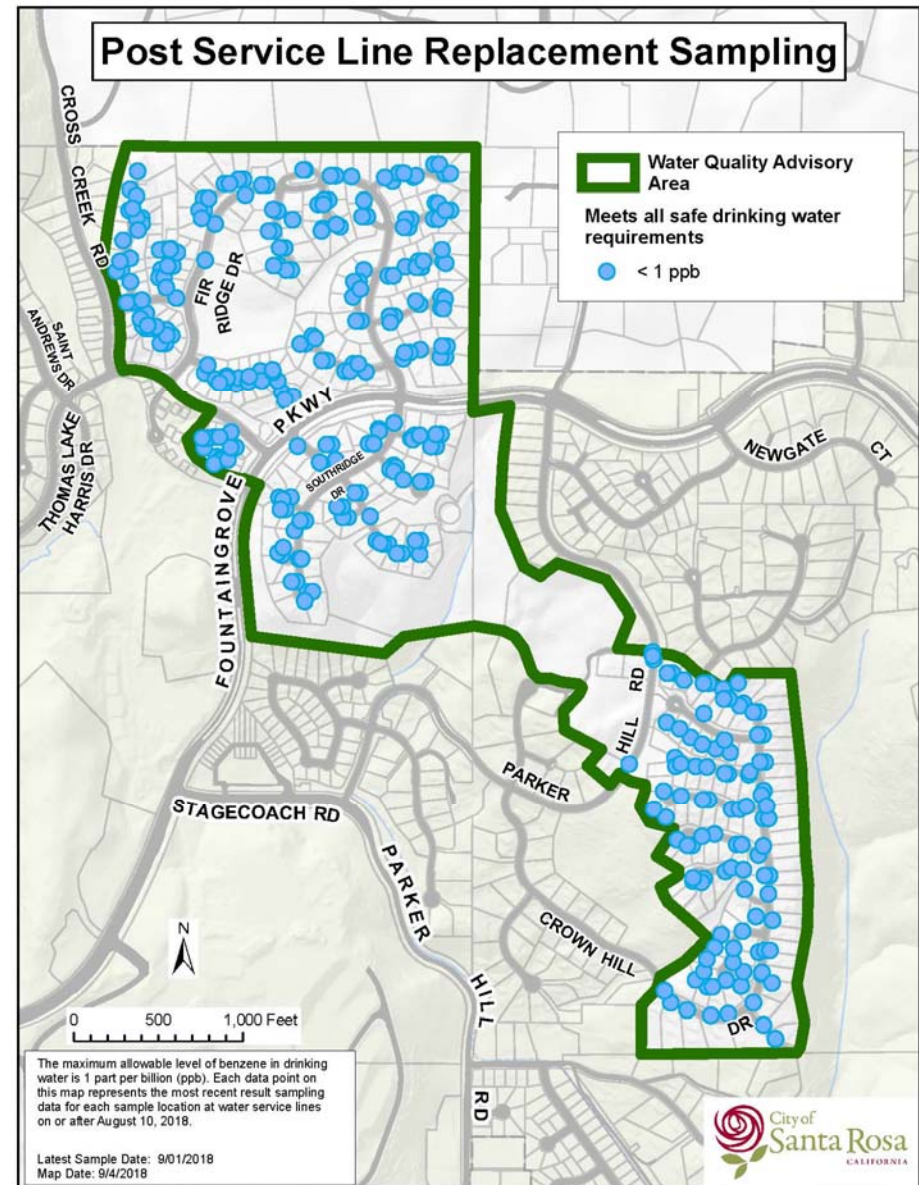
Replacing Water Services has Proven to be Successful



Prior to Service Line Replacement



After Service Line Replacement



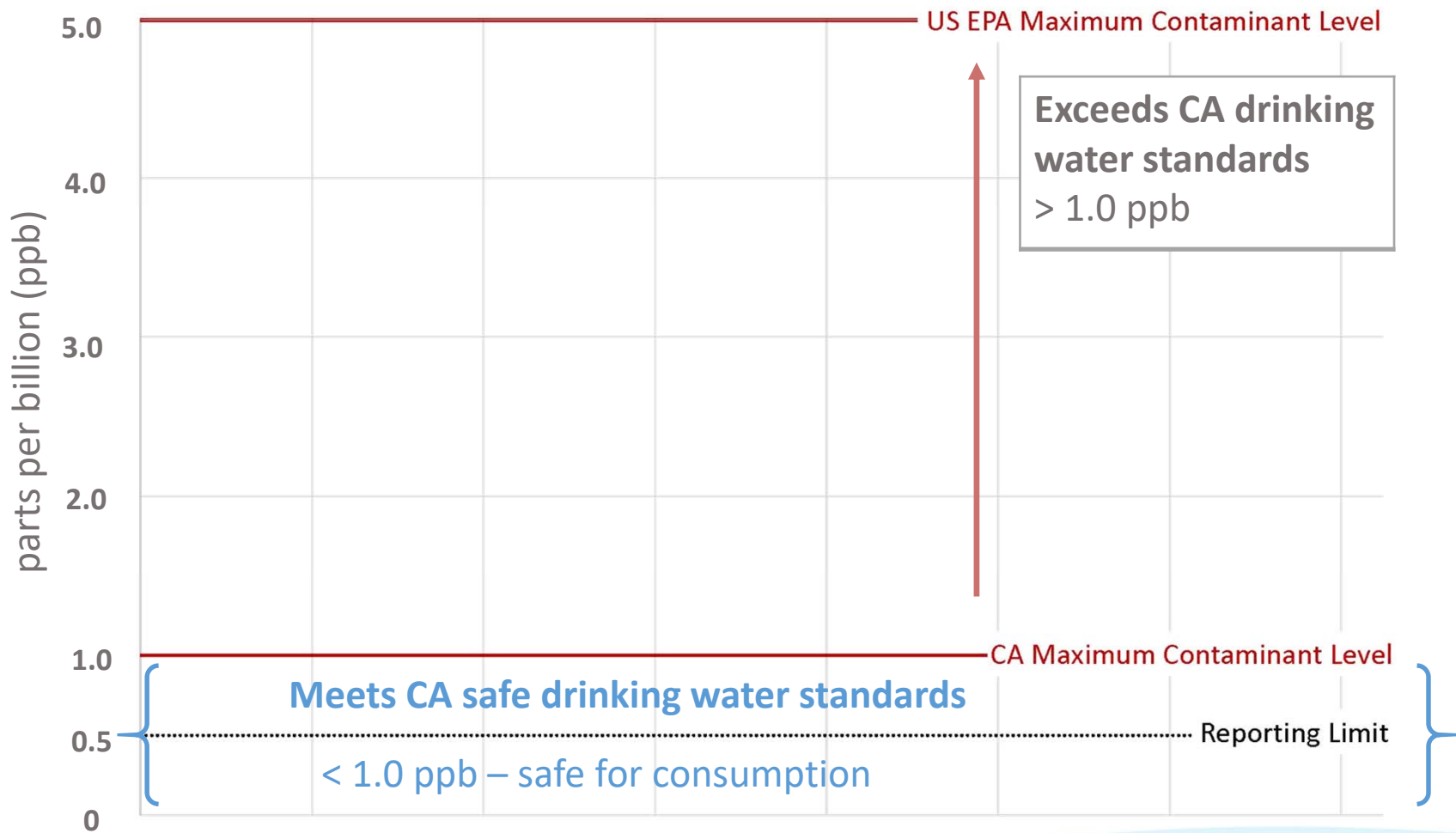
Plan for Lifting the Advisory

- Monitoring shows water quality meets all regulatory standards for safe drinking water over an established period of time
- Confirmation that water quality is meeting all safe drinking water standards
- Monitoring will continue at a frequency to ensure all clear conditions continue

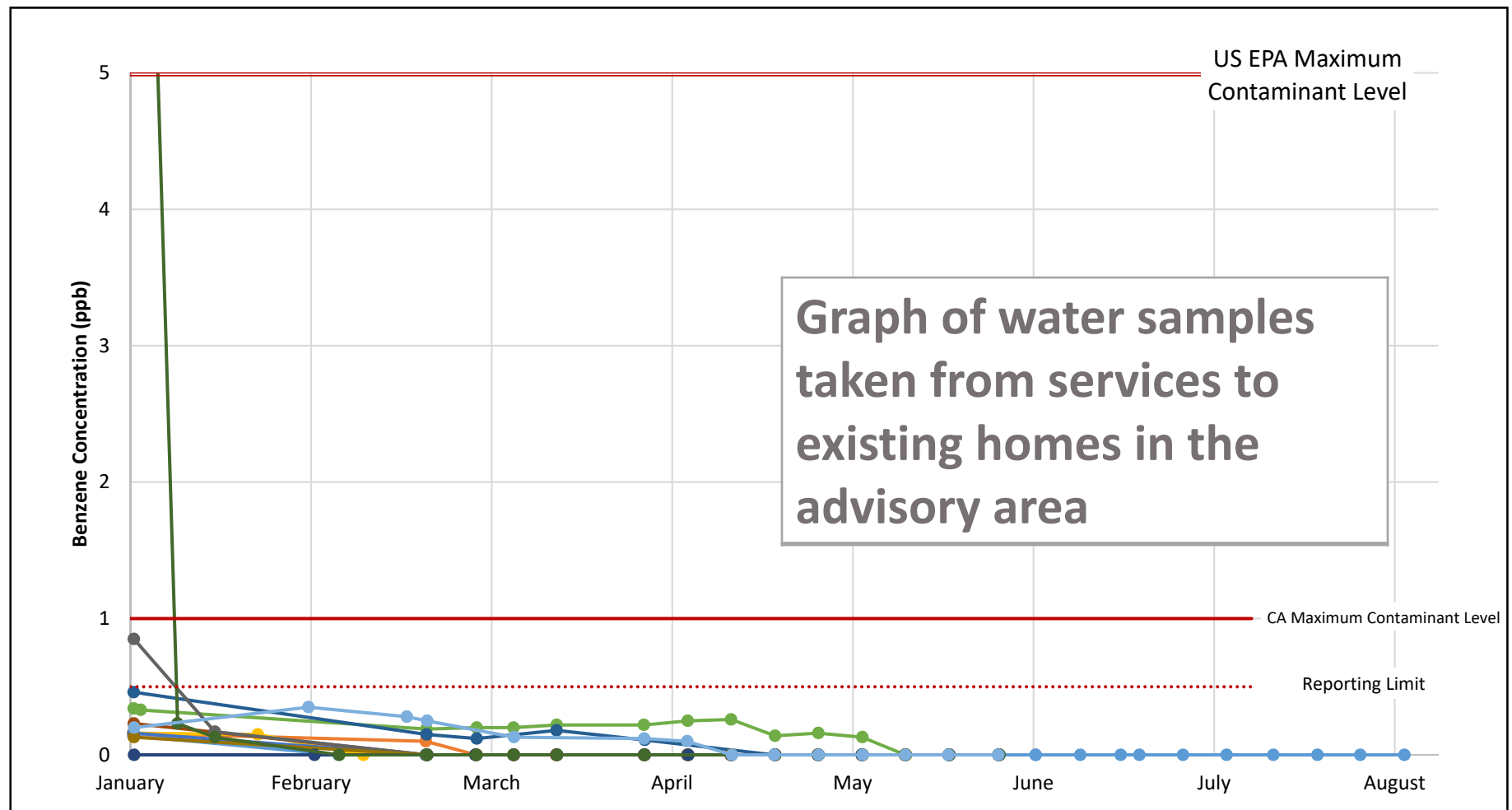
Process

1. Data evaluated by water quality team
2. California Division of Drinking Water and U.S. EPA concur with direction
3. City leaders and the community are informed of findings and recommendations
4. Drinking water advisory lifted via formal notification

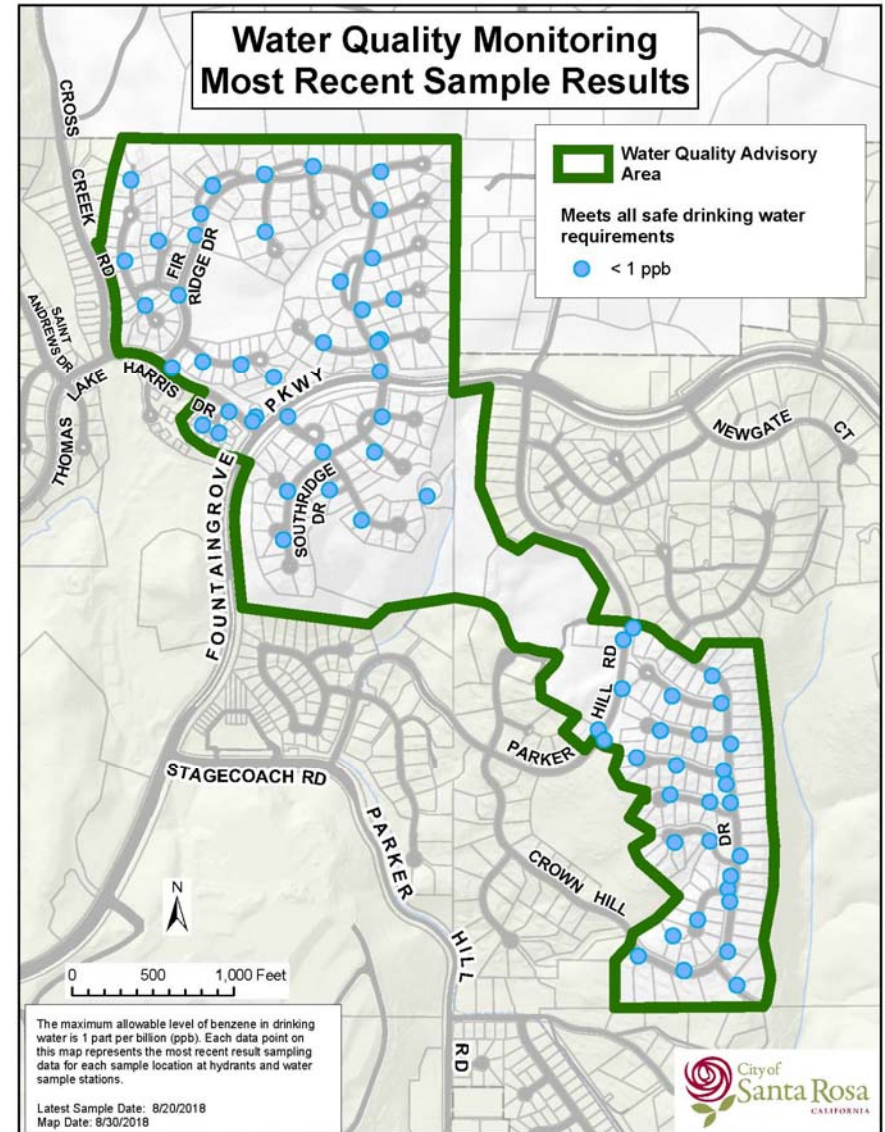
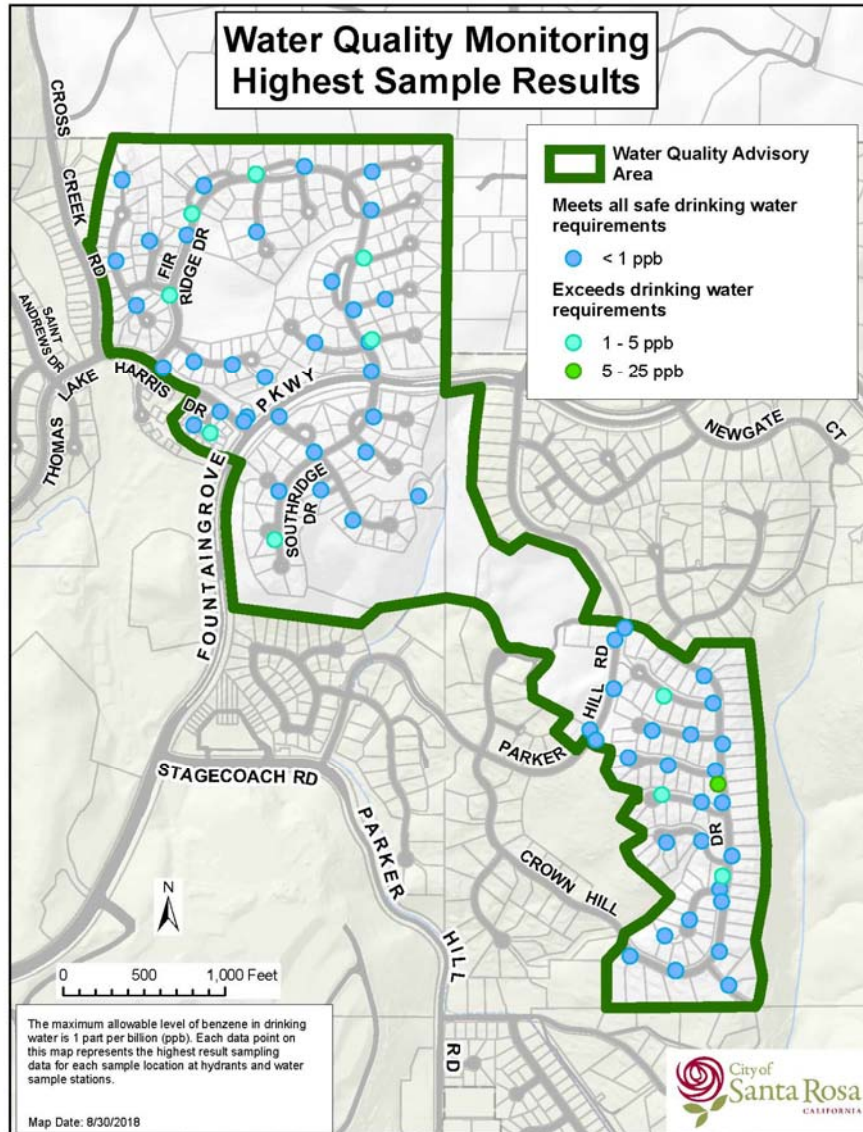
Maximum Contaminant Level (MCL)



Data indicates we are well below both US and CA Regulatory Limits



Water Quality Monitoring



Water Quality Monitoring

- Sampling 65 hydrants in the advisory area on a weekly basis since June – all meet regulatory limits
- 51 hydrants show no detectable amounts of benzene
- 11 hydrants have shown infrequent, minimal amounts below 0.5 ppb
- 3 hydrants have shown minimal amounts at or just below 0.5 ppb

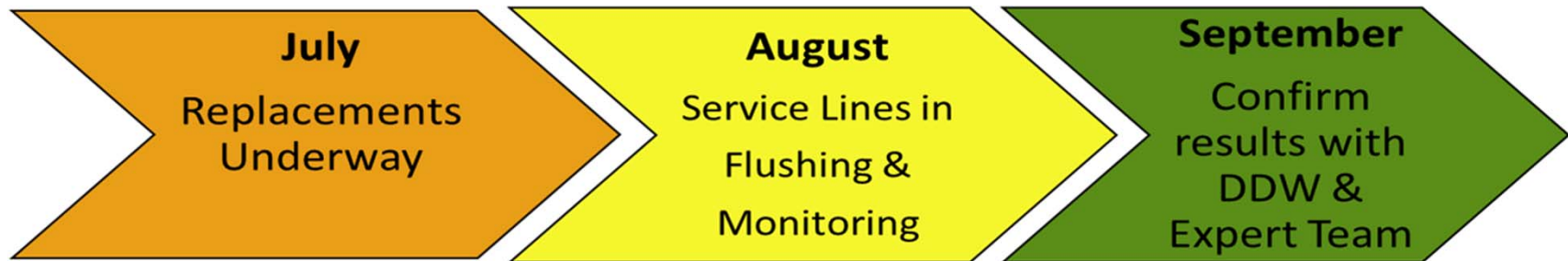
Plan Provided to CA Division of Drinking Water (DDW) to Demonstrate Compliance

- Data shows water quality is well below state and federal regulatory limits
- Targeted replacement to remove contamination
- Sample all service lines post replacement
- 10% re-sampling of all service lines
- Weekly sampling of 65 hydrants for 4 weeks
- Lifting of Advisory on track for Fall 2018

Flushing, Testing, and Monitoring Plan After the Advisory is Lifted

- Flushing, testing, and monitoring will continue and include:
 - Bi-weekly sampling for two months following lifting of advisory
 - Monthly sampling months 3 through six
 - Quarterly sampling months six through twelve
 - Quarterly sampling from advisory area on-going
- Activities and results will be reported to DDW and shared with the community

Results from Data will Guide Timeline



Flushing & Routine Monitoring will Continue

**Announce
Lifting of
Advisory**

Communication

- Ongoing messaging to specific groups:
 - City Council & BPU
 - Routine contact with surviving homes in Advisory Area, Fountaingrove and Coffey Park area
 - Briefing those in the rebuild community
 - Briefing media interests, service groups & community
 - Internal briefing of City staff & neighboring agencies

Next Steps

- Coordination with DDW to lift Advisory will continue
- Ongoing communication with affected parties
- Continuing monitoring and evaluation on routine basis
- Results continue to meet water quality regulations, lift advisory by start of October

Stay Informed

- Latest update August 27, 2018
- srcity.org/WQAdvisory
 - Monitoring Info
 - Updates
- Sonomacountyrecovers.org



Post-fire Water Quality Investigation Updates

Santa Rosa Water is working determinedly to verify the cause and repair our community's water infrastructure that was damaged as result of the October Wildfires.

Latest E-news Updates:

- [April 30, 2018](#) - Reconnecting to Water Service in Fountaingrove Water Quality Advisory Area
- [March 23, 2018](#) - Investigation Results and Special Meeting
- [February 23, 2018](#) - Post-fire Water Quality Investigation

Joint BPU and City Council Meeting Video:

- [March 27, 2018](#)

Fountaingrove Drinking Water Advisory

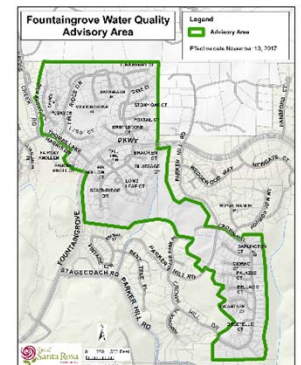
On November 10, 2017, Santa Rosa Water issued a [drinking water advisory](#) for 13 homes in the Fountaingrove area. This advisory went into effect after elevated levels of benzene were detected in the drinking water system. The advisory will remain in place until further notice.

Residents in the advisory area are advised to:

- Do not consume tap water (this includes drinking, cooking, and brushing teeth)
- Do not allow pets to consume tap water
- Limit use of hot water
- Limit shower time (use lukewarm water and ventilate area)
- Use a dishwasher to wash dishes and use air dry setting Wash clothing in cold water
- Do not take baths
- Do not use hot tubs or swimming pools

[FAQs Fountaingrove water quality advisory](#)

[Click to enlarge](#)



Questions?



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