

WILDFIRE PREPAREDNESS



Board of Public Utilities
July 21, 2022

Ron Marincic
Acting Deputy Director
Water & Sewer Operations

FIRE SEASON IS HERE!...(AGAIN)

Fire Department News

Posted on: June 6, 2022

Santa Rosa Fire Department Declares Official Start of Wildfire Season in Santa Rosa

The City of Santa Rosa Fire Department officially declares today, June 6, 2022, as the start of this year's wildfire season in Santa Rosa. Despite another round of late season rains, recent fire activity and above average temperature this week make the declaration necessary to help ensure the community is better prepared for an active fire season. Many residents have already taken proactive measures this season including the abatement of dry seasonal grasses and other vegetation management measures. Regrowth is likely, given yesterday's rain, and plans should be made to address any regrowth which will likely create a fire hazard later this season.



WHAT WE HAVE DONE

- ✓ BACKUP GENERATOR REPLACEMENTS AT 18 WATER/SEWER FACILITIES.
- ✓ 2 NEW PORTABLE GENERATORS.
- ✓ BELOW GROUND FIBER OPTIC PUMP STATION – RESERVOIR COMMUNICATION WHERE RADIO IS NOT APPLICABLE.
- ✓ WATER SYSTEM RELIABILITY STUDY.
- ✓ WATER SYSTEM RISK AND RESILIENCE STUDY.
- ✓ ABATEMENT.
- ✓ COMMUNICATION.
- ✓ DRILL.

MEETINGS / COMMUNICATION

- Water Operations Meeting – Monthly. Sonoma Water staff and all water contractors.
- Water and fire Operations Communications Meeting - bi-monthly. SR Fire and Local Water Operations staff.
- PG&E meeting - Monthly
- National Weather Service SF Bay area. Warning Coordination Meteorologist.
- Cal Fire
- PG&E Portal
- Inet
- Send Word Now





Water Dept Notices

+ new item or edit this list

All Items Find an item SAVE THIS VIEW

Job Title	Name of Reporting Party	Reporting Department	Incident Reported	Other Description	Location ID	Description of issue/problem	People Notified	Type of Notification	Other Notification Description	Date of Event Reported ↓	Date Returned to Normal Status
Utility System Superintendent	Marincic, Ron	Water	Other	Raising tank levels for upcoming Red Flag event	Sonoma County	pending red flag warning	Restad, Anthony Schiavone, Joe Tibbals, Jason	Email		5/7/2021 11:00 AM	
Distribution Supervisor	Restad, Anthony	Water	Other	Reservoir 7 back in service	5547 Yerba Buena	Reservoir back in service	Tibbals, Jason Schiavone, Joe Collins, Travers	Email		3/29/2021 12:00 AM	3/29/2021 12:00 AM
Distribution Supervisor	Restad, Anthony	Water	Water Station out of service	reservoir 12B back in service	461 Woodley Pl.	Reservoir back in service	Tibbals, Jason Schiavone, Joe Collins, Travers	Email		3/29/2021 12:00 AM	3/29/2021 12:00 AM
Distribution Supervisor	Restad, Anthony	Water	Other	Power restored to Water Station 5	3785 Skyfarm Dr.	power restored to Water Station 5	Tibbals, Jason	Email		3/11/2021 12:00 AM	3/11/2021 12:00 AM
Distribution Supervisor	Restad, Anthony	Water	Other	No power at Water Station 5	3785 Skyfarm Dr.	No power at Station 5	Tibbals, Jason Schiavone, Joe	Email		3/10/2021 12:00 AM	3/15/2021 12:00 AM
Distribution Supervisor	Restad, Anthony	Water	Water Tank out of service		461 Woodley Pl.	Reservoir taken offline for warranty inspection	Tibbals, Jason Schiavone, Joe Collins, Travers	Email		3/8/2021 12:00 AM	3/22/2021 12:00 AM
Distribution Supervisor	Restad, Anthony	Water	Water Tank out of service	Reservoir 7	5547 Yerba Buena	Reservoir taken offline for warranty inspection	Tibbals, Jason Schiavone, Joe	Email		3/2/2021 12:00 AM	



OUR FUTURE IN EVERY DROP

Name of Reporting Party *

Enter a name or email address...

Job Title *

Reporting Department *

☒ Water
☐ Fire

Incident Reported *

Water Station out of service

Other Description

Location ID *

Description of issue/problem *

People Notified *

Enter names or email addresses...

Type of Notification *

☒ Email
☐ City Phone
☐ Cell Phone
☐ Voicemail
☐ Other

Other Notification Description

Date of Event Reported *

12 AM 00

Acknowledgement of Notification

☐

Actions Taken based on Notification

Date Returned to Normal Status

12 AM 00

Notification for Return to Normal Status

Enter a name or email address...

Type of Notification for Normal Status

☒ Email
☐ City Phone
☐ Cell Phone
☐ Voicemail;
☐ Other



OUR FUTURE IN EVERY DROP

INTERNAL COMMUNICATION



Purpose: Send Emergency Messaging utilizing the City of Santa Rosa's **Send Word Now** tool on any desktop computer.

Capabilities: The system is configured to send a recorded voice message, a text, an email, and/or leave a voice mail to selected employees- or any combination of these message types.

LOCAL OPS EMERGENCY STAFFING

- **ONSET OF EMERGENCY**
2 - 14 HOUR SHIFTS



- **POST TRIAGE OF EMERGENCY**
3 - 10 HOUR SHIFTS



**MAKE TRANSITION BACK TO
NORMAL SHIFTS ASAP.**

2 Shift Schedule					
Shift	Command Staff			Field Staff	
Day	5:00 AM	-	7:00 PM	6:00 AM	- 8:00 PM
Night	5:00 PM	-	7:00 AM	6:00 PM	- 8:00 AM
3 Shift Schedule					
Shift	Command Staff			Field Staff	
Day	5:00 AM	-	3:00 PM	6:00 AM	- 4:00 PM
Swing	1:00 PM	-	11:00 PM	2:00 PM	- 12:00 AM
Night	9:00 PM	-	7:00 AM	10:00 PM	- 8:00 AM
Typical DOC Meeting Schedule					
Start		End		2 Shifts	3 Shifts
5:00 AM		6:00 AM		Shift Change	Shift Change
9:00 AM		10:00 AM		Status Update	Status Update
1:00 PM		2:00 PM		Status Update	Shift Change
5:00 PM		6:00 PM		Shift Change	Status Update
9:00 PM		10:00 PM		Status Update	Shift Change
1:00 AM		2:00 AM		Status Update	Status Update

***WE HAVE PRE-POPULATED ASSIGNMENTS FOR EACH SHIFT
UPLOADED TO SEND WORD NOW.***

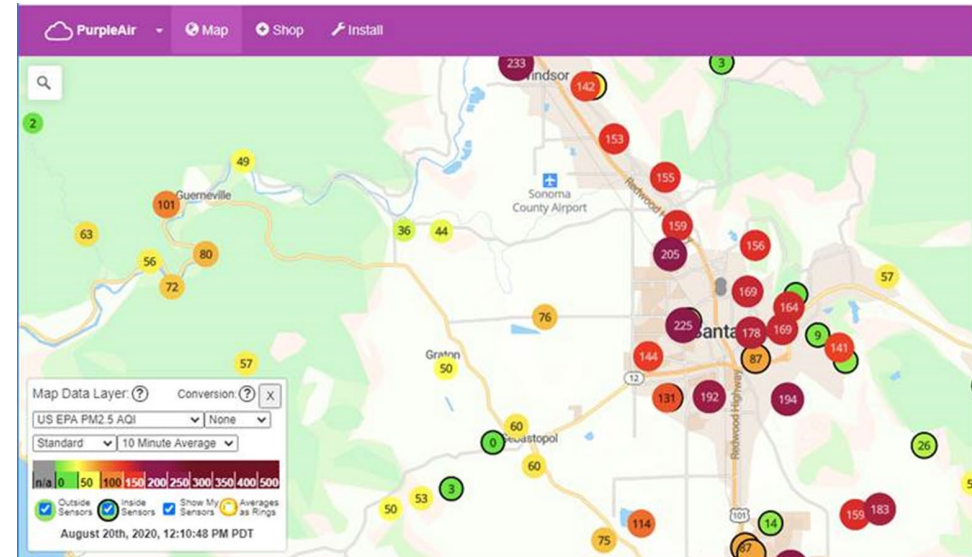
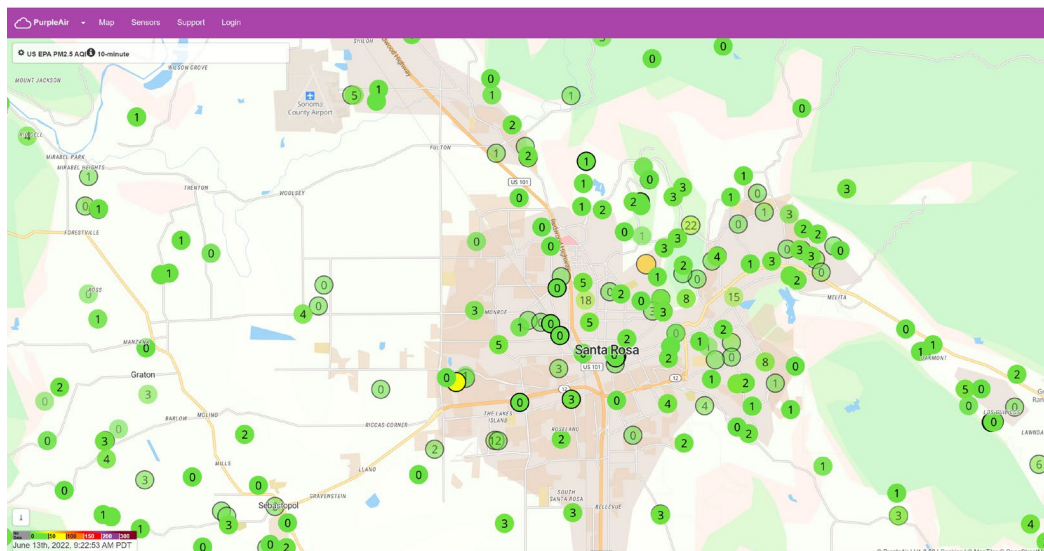
AIR QUALITY

Cal/OSHA regulations require that employers protect workers from hazards associated with wildfire smoke where the Air Quality Index (AQI) for airborne particulate matter is 151 or greater.

**Respirator
use
Voluntary**

PM2.5 in Micrograms per Cubic Meter ($\mu\text{g}/\text{m}^3$)	Air Quality Index (AQI) Categories for PM2.5	Level of Health Concern
0 to 12.0	0 to 50	Good
12.1 to 35.4	51 to 100	Moderate
35.5 to 55.4	101 to 150	Unhealthy for Sensitive Groups
55.5 to 150.4	151 to 200	Unhealthy
150.5 to 250.4	201 to 300	Very Unhealthy
250.5 to 500.4	301 to 500	Hazardous

Proper respirator use is Mandatory when AQI exceeds 500



OUR FUTURE IN EVERY DROP

AIR QUALITY MONITORING



MOVING FORWARD

- CONTINUED FIBER OPTIC COMMUNICATION INSTALLATION WHERE RADIO IS NOT APPLICABLE.
- SOLAR/BATTERY BACK UP AT WATER STORAGE TANK SITES.
- HIGH FLOW PUMPS AT SOME ADDITIONAL WATER PUMP STATIONS.
- WATER/WASTEWATER PUMP STATION HARDENING.
- ABATEMENT.
- CONTINUE COMMUNICATION.
- CONTINUE / REFINE DRILLS.

PROACTIVE OUTAGES



WATER RESERVOIRS



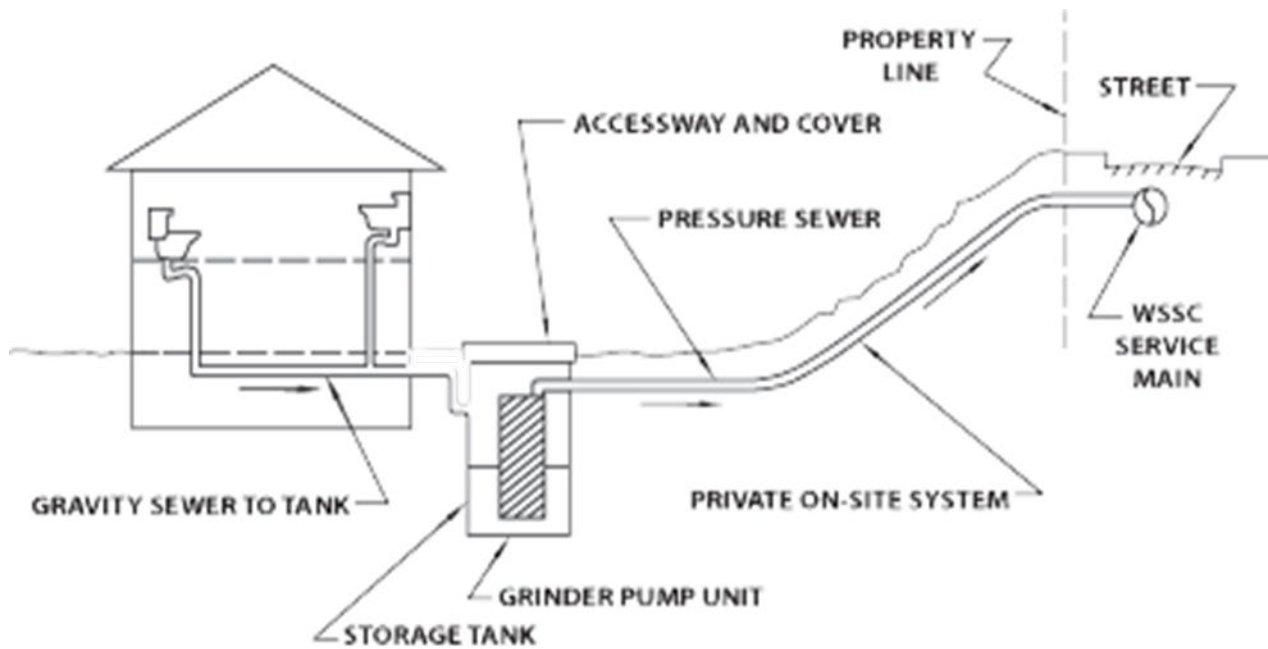
WATER PUMP STATIONS



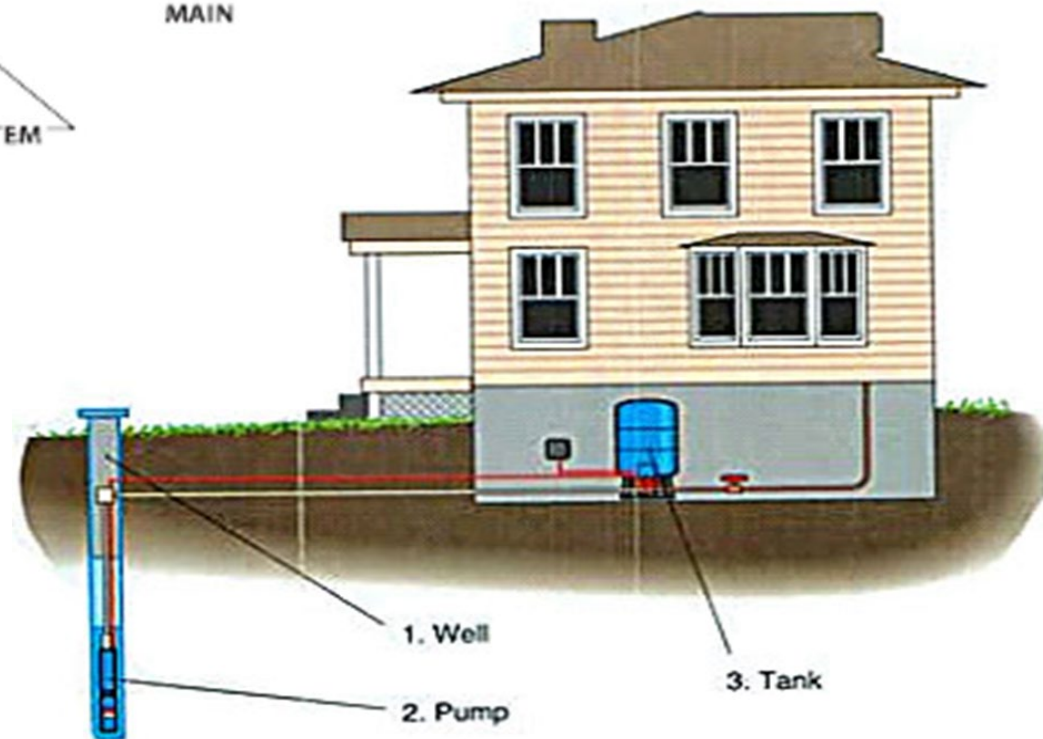
SEWER COLLECTION SYSTEM



PRIVATE SYSTEMS



SEWER PUMPS



WELL PUMPS

COMMUNICATION AND OUTREACH

RESOURCES

- Pge.com/psps
- Srcity.org/emergency

KNOW YOUR ALERTS

- Sign-up for SoCo Alert
SoCoAlert.com or call
866-939-0911
- Watch Duty



OUR FUTURE IN EVERY DROP

A collage of various emergency alert and community outreach materials. It includes a PG&E Public Safety Power Shutoff flyer, a "KNOW YOUR ALERTS" infographic, a SoCoAlert app interface, a Watch Duty (Wildfire) app interface, a "SONOMA READY DAY" poster, and a "Thousands of emergency kits will be given away" sign. The PG&E flyer explains the Public Safety Power Shutoff program, including what it is, how it works, and when power will be restored. The "KNOW YOUR ALERTS" infographic lists various alert systems: Emergency Alert System (EAS), Wireless Emergency Alerts (WEA), SoCoAlert, Nixle, and Local Radio and Television. The SoCoAlert app interface shows a map of Sonoma County with wildfire alerts. The Watch Duty app interface shows a map of Sonoma County with wildfire alerts. The "SONOMA READY DAY" poster promotes an emergency preparedness fair. The "Thousands of emergency kits will be given away" sign is a call to action for a community event.



QUESTIONS?