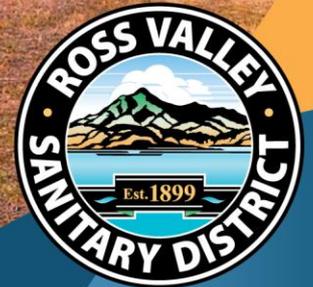


Putting Your Dollars to Work –
Protecting Public Health
and the Environment

Larkspur City Council – September 5, 2018



Ross Valley Sanitary District

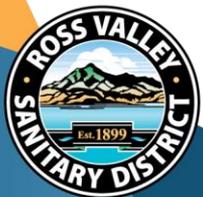
Ross Valley Sanitary District (RVSD)

Established in 1899.

Dedicated to protecting public health and preserving the environment.

RVSD service area includes:

Fairfax, San Anselmo, Ross,
Larkspur, Bon Air, Sleepy Hollow,
Kentfield, Kent Woodlands,
Oak Manor and Greenbrae.



Infrastructure & System Overview

200 miles of collection sewer lines
and 19 pumping stations
collect, pump and transport
approximately ***4 million gallons***
of wastewater per day to the
Central Marin Sanitation Agency (CMSA)
for treatment.

19 pump stations:
5 major pump stations
2 minor pump stations
12 lift stations

5,293 manholes
5,653 pipes

173 mi of small diameter gravity sewer
11.9 mi of trunk sewer
12.5 mi of large diameter gravity sewer
7.83 mi of force mains

Average age:
64 years



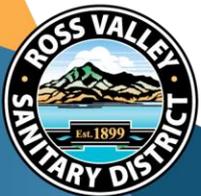
Capital Improvement Program (CIP)

Much of this infrastructure is over 100 years old.

RVSD is working to rehabilitate underground wastewater pipelines through a construction program that is spread out over more than ***34 miles of road throughout Ross Valley.***

Capital Improvement Program (CIP) construction projects protect public health and the environment by reducing the risk of sewer overflows.

Since 2013, construction has been underway on projects to replace outdated system infrastructure and enhance local wastewater system reliability and efficiency.



1 Fairfax, Larkspur, San Anselmo Sewer Rehabilitation Projects
FY 2016/17 Gravity Sewer Rehabilitation Projects



2 Kentfield Pump Station 15 Improvements



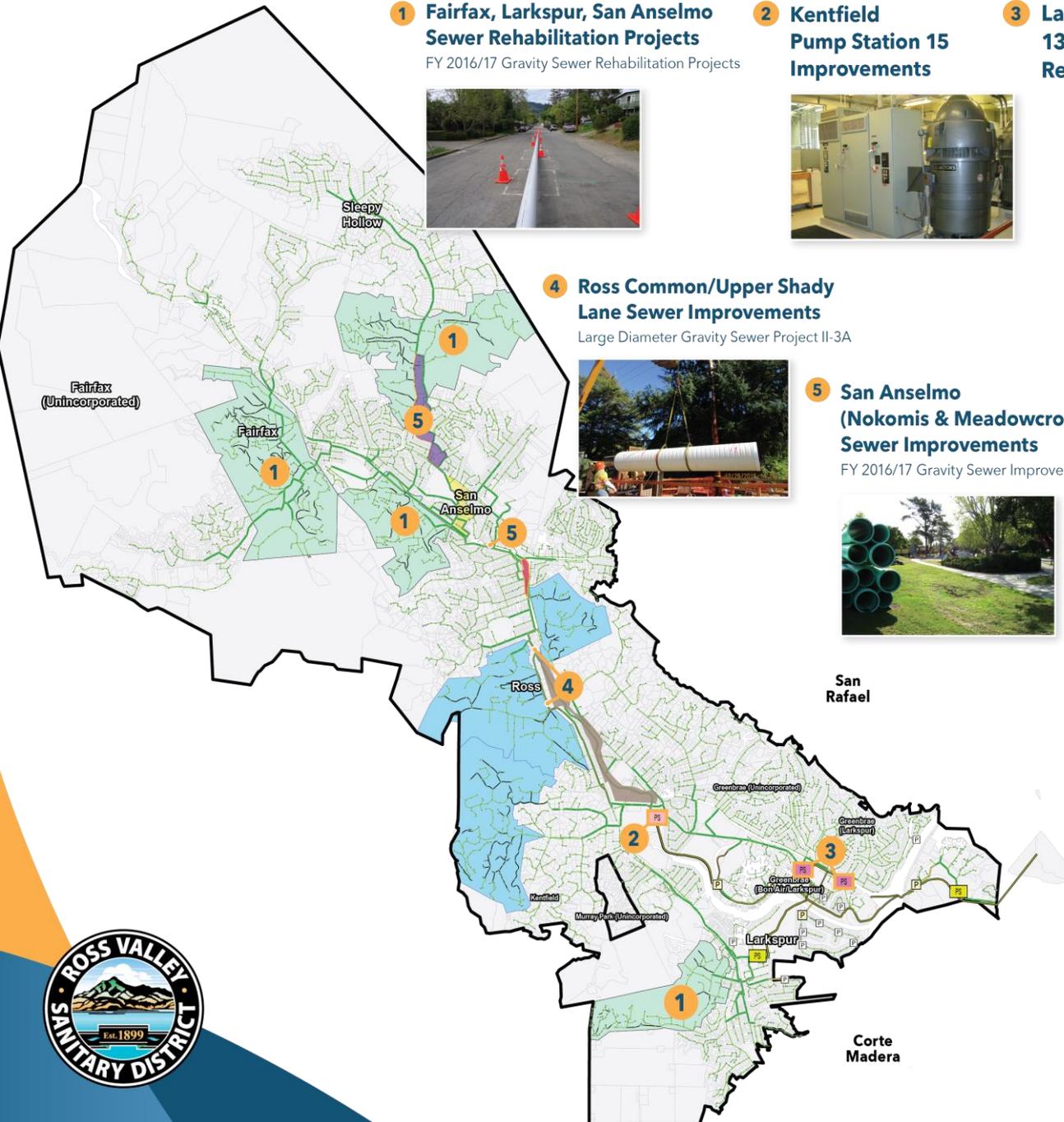
3 Larkspur Pump Stations 12 (Bon Air Center) & 13 (Greenbrae) Rehabilitation



4 Ross Common/Upper Shady Lane Sewer Improvements
Large Diameter Gravity Sewer Project II-3A



5 San Anselmo (Nokomis & Meadowcroft) Sewer Improvements
FY 2016/17 Gravity Sewer Improvements



MAP LEGEND

Gravity Sewer Improvement Projects

Project Areas

- FY 2015/16 Gravity Sewer Improvements
- FY 2016/17 Gravity Sewer Rehabilitation Projects

Project Pipes

- FY 2015/16 and 2016/17 Rehabilitation
- FY 2016/17 Gravity Sewer Improvements

Large Diameter Gravity Sewer Rehabilitation Projects

- Large Diameter Gravity Sewer Project II-1
- Large Diameter Gravity Sewer Project II-2
- Large Diameter Gravity Sewer Project II-3A

Gravity Sewer System

- Gravity Sewer
- Large Diameter Gravity Sewer
- Manholes, Rodholes, Other

Pump Station Projects

- PS Larkspur Pump Stations 12 (Bon Air Center) & 13 (Greenbrae) Rehabilitation
- PS Kentfield Pump Station 15 Improvements

Pump Stations

- PS Major Pump Station
- P Minor Station
- P Lift Station

Force Mains

- Major Pump Station
- Minor Pump Station
- Bypass
- Lift Station
- District Boundary

Map is Not to Scale



Sewer Rehabilitation Project

WHAT YOU CAN EXPECT

Please expect noise, dust, odors during lining, lane closures and detours, parking restrictions, and travel delays near the work sites during construction activity. Mail and package delivery to these areas will not be interrupted. Local and emergency access will be maintained at all times.



**NOISE
& DUST**



ODORS



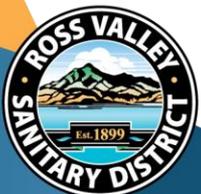
**LANE CLOSURES
& DETOURS**



**PARKING
RESTRICTIONS**



**TRAVEL
DELAYS**



Active Project Map

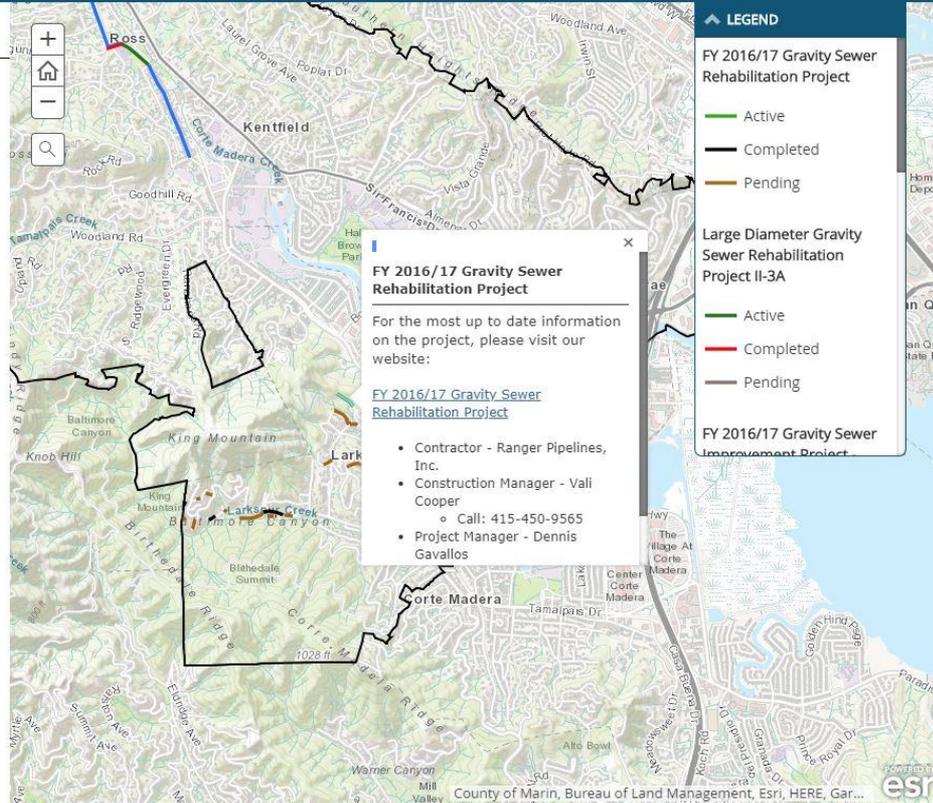
Ross Valley Sanitary District Capital Improvement Program

Current CIP Projects Completed CIP Projects

Ross Valley Sanitary District Capital Improvement Program

The RVSD infrastructure that we operate and maintain in your neighborhood includes a portion of the 200 miles of sewer pipelines and 19 pump stations which collect, pump and transport approximately 4 million gallons of wastewater per day to the Central Marin Sanitation Agency for treatment. Much of this infrastructure is old or outdated.

The Capital Improvement Program (CIP) consists of

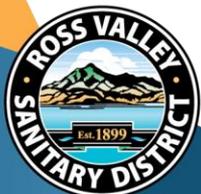
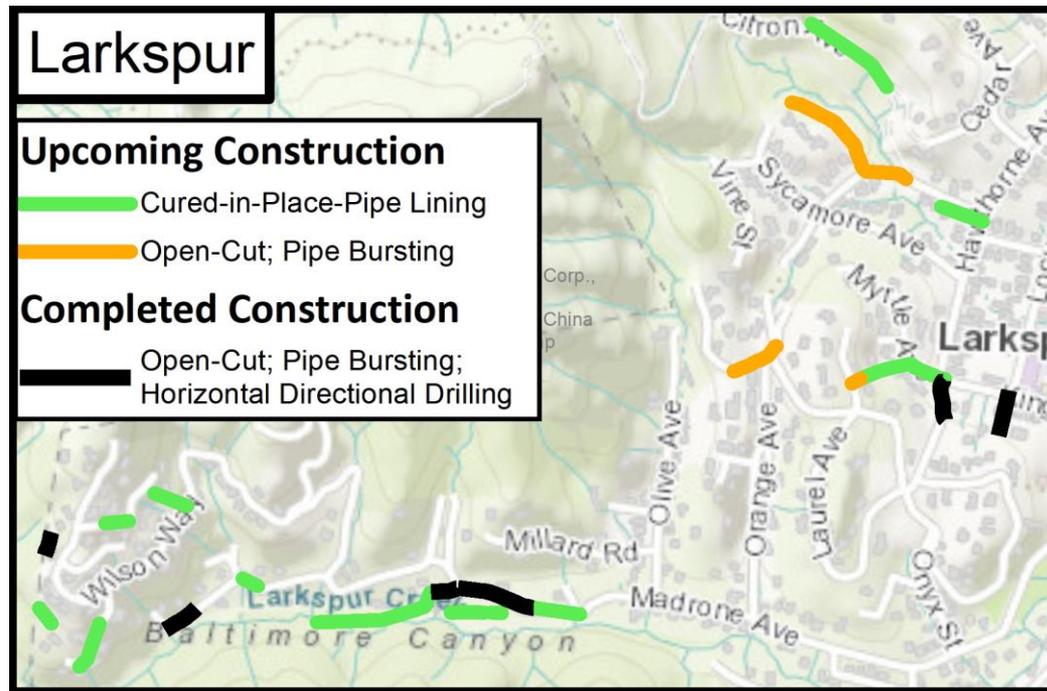


Gravity Sewer Rehabilitation Project

Fairfax, Larkspur and San Anselmo

Rehabilitate 42,000 linear feet (LF) of 6 to 8 inch sewer pipeline to:

- ✓ Replace old or outdated system infrastructure
- ✓ Enhance local wastewater system reliability and efficiency
- ✓ Improve system performance during wet weather



Pump Station Project

Rehabilitate PS 12 (Bon Air Center) & 13 (Greenbrae) to:

- ✓ Replace old or outdated system infrastructure
- ✓ Enhance local wastewater system reliability and efficiency
- ✓ Improve system performance during wet weather

* PS 12 work is substantially complete and it has been returned to operation.

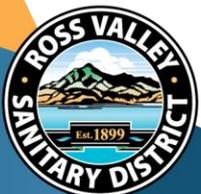
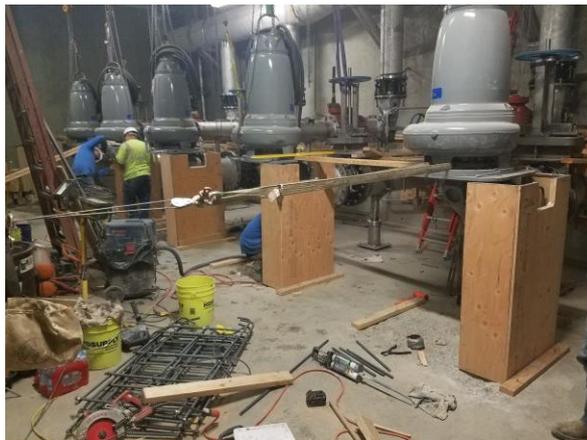
- All Contractor parking spots near PS 12 have been returned to the shopping center.
- Ancillary work is being completed.



Pump Station Project

Project construction includes:

- Rehabilitation of portions of the existing pump stations, including:
 - ✓ Replacement of pumps & piping
 - ✓ Inlet channel modifications
 - ✓ Rehabilitation and the installation of new electrical equipment, standby generator and odor control system
 - ✓ Bypass pumping connections and ancillary work
- Concrete repairs.



Construction Notices



GENERAL ENGINEERING CONTRACTORS
LICENSE NUMBER 417996

NOTIFICATIONS TO LOCAL RESIDENTS & PROPERTY OWNERS

PROJECT OWNER: Ross Valley Sanitary District
PROJECT NAME: FY 2016/17 Gravity Sewer Rehabilitation Project

Work on Scenic Road will continue the following week. Expect road closures, detours and delays. Our work will begin at the lower part of Scenic Road. Roughly at **156 Scenic Road and continue all the way to 277 Scenic Road**. Due to the nature of the necessary work, road closures, delays and detours will be unavoidable. Detours will begin at the intersection of Manor Road and Scenic Road.

Schedule*:

HOURS: 8:00 a.m. to 5:00 p.m. Monday to Friday (except holidays)

DATES: July 24th – September 24th

Ranger will provide unobstructed access to driveways outside designated closures before 8:00 a.m. and after 5:00 p.m. each day, with delayed access between 8:00 a.m. and 5:00 p.m. Please note that emergency vehicles will be afforded access, so if you have an emergency, please dial 911. Also, if you have a **critical access need, please contact us immediately**, so that we may work on a solution. We thank you for your patience while we complete all work as quickly as safely possible.

We will make our utmost effort to minimize the disruption caused by these construction activities. However, we will need to verify sewer lateral lines coming from each property. Please remember that we are carrying out this work to repair/improve your existing sanitary sewer lines, and we greatly appreciate your patience with regards to our work.

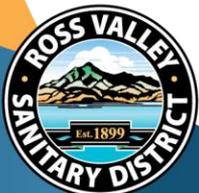
If you have any questions please call:

- Ranger Pipelines at **415-822-3700** between **8:00am and 5:00pm**
- Justin Seufert, Project Construction Manager, Vali Cooper & Associates Inc **415-450-9565**
- 24-hour emergency line **1-800-876-3778**

You can also talk to our onsite supervisor at any time and he should be able to provide any information or assistance you may need.

We would like to thank you in advance for your patience and cooperation needed to complete the work on this project, which aims to improve your sanitary sewer facilities for the years to come.

Sincerely,
Ranger Pipelines, Inc.



Completing this work is vital to achieving our goals:

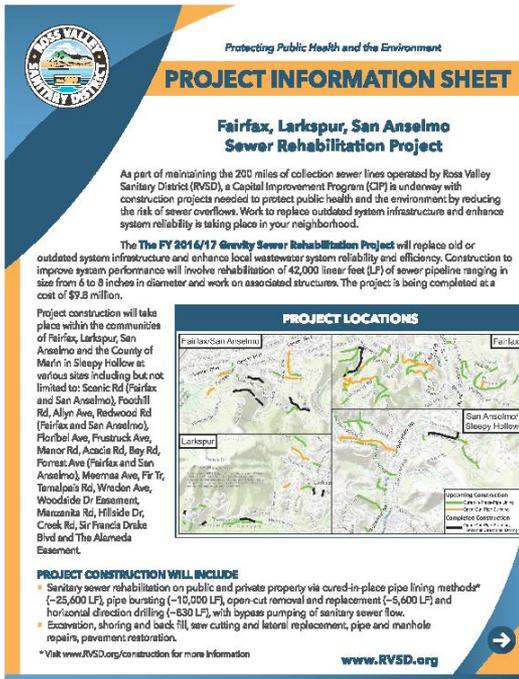
- Protect public health and the environment by reducing the risk of sewer overflows.
- Lateral Grants / Loans Program: Money to help homeowners repair and replace faulty sewer laterals.
- Continue partnering with Larkspur staff to coordinate paving schedules with lateral grant/loan program applications.
- Help RVSD ensure that service is provided at the “lowest sustainable cost.”

RVSD has awarded over **\$4 million**  to 1600+ people/homes through these programs; more than **\$982,000** remains for FY 18/19.



More Information at www.RVSD.org

Ads in the Marin IJ and PacSun News; Construction Notice mailers; Project site banners to inform the community; Online CIP Updates; GM Bulletins.



Protecting Public Health and the Environment

PROJECT INFORMATION SHEET

Fairfax, Larkspur, San Anselmo Sewer Rehabilitation Project

As part of maintaining the 200 miles of collection sewer lines operated by Ross Valley Sanitary District (RVSD), a Capital Improvement Program (CIP) is underway with construction projects needed to protect public health and the environment by reducing the risk of sewer overflows. Work to replace outdated system infrastructure and enhance system reliability is taking place in your neighborhood.

The **FY 2016/17 Sewer Rehabilitation Project** will replace old or outdated system infrastructure and enhance local wastewater system reliability and efficiency. Construction to improve system performance will involve rehabilitation of 42,000 linear feet (LF) of sewer pipeline ranging in size from 6 to 8 inches in diameter and work on associated structures. The project is being completed at a cost of \$7.8 million.

Project construction will take place within the communities of Fairfax, Larkspur, San Anselmo and the County of Marin in Sleepy Hollow at various sites including but not limited to: Scenic Rd (Fairfax and San Anselmo), Foothill Rd, Allyn Ave, Redwood Rd (Fairfax and San Anselmo), Floribel Ave, Frustrack Ave, Manor Rd, Acacia Rd, Bay Rd, Forbes Ave (Fairfax and San Anselmo), Meemas Ave, Fir Tr, Tamalpais Rd, Wreden Ave, Woodside Dr Easement, Mammoth Rd, Hillside Dr, Creek Rd, Sir Francis Drake Blvd and The Alameda Easement.

PROJECT CONSTRUCTION WILL INCLUDE

- Sanitary sewer rehabilitation on public and private property via cured-in-place pipe lining method* (~25,600 LF), pipe bursting (~10,000 LF), open-cut removal and replacement (~5,600 LF) and horizontal direction drilling (~630 LF), with bypass pumping of sanitary sewer flow.
- Excavation, shoring and back fill, saw cutting and lateral replacement, pipe and manhole repair, pavement restoration.

*Visit www.RVSD.org/construction for more information

www.RVSD.org



Ross Valley Sanitary District

It's now easier than ever to update your old sewer lateral through the RVSD Lateral Replacement Grant Program.



\$800,000 in grant funds are available to homeowners who qualify during Fiscal Year 2018-19 (until funding is exhausted).

TO LEARN MORE
 Visit: www.rvsd.org/LRGP

THANK YOU Ross Valley community for continuing to help protect the Ross Valley Watershed and public health by reducing the risk of sanitary sewer overflows.

www.RVSD.org • 415-259-2949



Ross Valley Sanitary District Construction Project –
 Protecting Public Health and the Environment

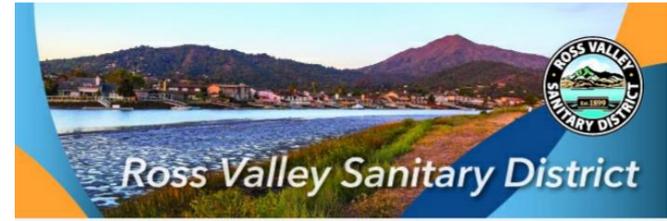
Kentfield Pump Station 15 Improvements Project

PROJECT CONSTRUCTION:
 Summer 2018 – Winter 2018

CONTRACTOR:
 Anderson Pacific
www.apc.com

MORE INFORMATION:
 Visit: www.RVSD.org/construction
 Email: Construction@rvsd.org
 Call: Construction Hotline (415) 415-7300

www.RVSD.org



Ross Valley Sanitary District

General Manager's Monthly Bulletin June 2018

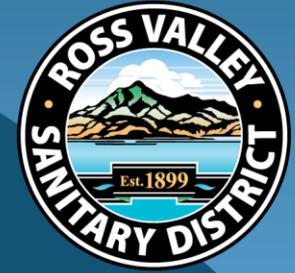
Ross Valley Sanitary District provides this monthly news bulletin of current notable activity and events to stay connected to the community we serve. We welcome your feedback on any information in the bulletin and if at any time you no longer prefer to receive this information, simply unsubscribe using the link below.

For more information, visit www.RVSD.org.

Adoption of Fiscal Year (FY) 2018-19 Budget: The RVSD Board unanimously approved the District's FY 2018-19 Budget. As with many other Marin County government agencies, RVSD's Fiscal Year (FY) runs from July 1 through June 30. Our budget is organized along two primary revenue and spending categories: Operations and Maintenance (O&M) and Capital. RVSD's primary revenue sources are wastewater utility service rates and ad valorem (property tax) revenue. Rate revenue is used first to pay for O&M expenses, with any remaining funds then allocated to capital expenses. Ad valorem (property tax) revenue is used exclusively for capital expenses.

The District's FY 2018-19 O&M budget is \$18 million and the Capital budget, including debt service, is \$35.8 million. In FY 2018-19, sewer service charge revenue is sufficient





Thank you!

For helping us in our mission to provide customers with highest quality wastewater collection service through a system that has no avoidable sanitary sewer overflows at the lowest sustainable cost.