

## Northeast Sammamish Sewer and Water District

3600 Sahalee Way Northeast  
Sammamish, Washington 98074

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Seattle, WA  
Permit #4776

## Northeast Sammamish Sewer and Water District COMMUNITY UPDATE • FALL 2018



# You're Invited!



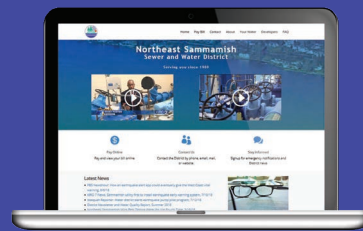
The Northeast Sammamish Sewer and Water District Board meets on the first and third Wednesday at 7:30 AM in the District office. We invite you to attend and learn more about your district and our effort to provide superior service.

**Want to Pay Online?**  
Please visit our  
website to register.



## Northeast Sammamish Sewer and Water District

Open Monday to Friday  
7:30 AM to 4:00 PM  
3600 Sahalee Way Northeast  
Sammamish, Washington 98074  
**(425) 868-1144**



Visit our website  
for answers to  
your questions @  
**nesswd.org**



# Northeast Sammamish Sewer and Water District

## An Update from Your Commissioners

**We** are honored to serve as your District commissioners and are dedicated to providing you with the region's safest and best tasting drinking water.

We also are committed to making sure that you receive the highest possible level of customer service.

We are providing you with this newsletter to update you on the District's activities and system improvements along with news and information to keep you informed.

In addition, we are highlighting local and national media stories on the District's leading-edge work to protect our water supply in the case of an earthquake with new ShakeAlert technology.

**It is our goal to be open and accessible to our customers.**

You can call us at (425) 868-1144 or visit our website — **nesswd.org** — for the latest district information, tips on how to conserve water and contact details for Commissioners and District staff.

**We work to bring you the safest and highest quality drinking water.**



## Board of Commissioners

Wayne DeMeester • *President*

Paul Sentena • *Secretary*

Paul Robinett

## On the Inside

- District in the News
- 2019 Water & Sewer Rates
- Sewer Pipe Lining Update
- SCADA Replacement

## It's Time to Winterize

As the weather gets colder and we face the chance of a freeze event, please take these important steps to protect your home.

- 1) Disconnect garden hoses and use bib covers.
- 2) Insulate your pipes.
- 3) Know the location of your shut-off valve in case of a pipe break.



# On the Leading Edge...

## Helping Protect our Water System with Early-Warning Technology



The ShakeAlert technology being implemented by Northeast Sammamish Sewer and Water District was recently highlighted in a special report on the PBS News Hour.

continue to provide safe drinking water in case of a seismic emergency.

The system was developed in conjunction with the U.S. Geological Survey and the Pacific Northwest Seismic Network along with the University of Washington.

Through a network of sensors, ShakeAlert technology identifies an earthquake when it first begins, calculates the intensity of the event and sends out early warning signals to help protect people and infrastructure that are potentially in harm’s way.

The new technology is active on the 500,000 gallon reservoir located in the Crest development to protect its pumps. The District plans to implement ShakeAlert technology at all of our wells next year.

The safety of your drinking water is our priority and we are proud to be one of the leaders in testing and implementing this cutting-edge earthquake safety system.



KIRO covered the successful test of the ShakeAlert system that was installed at the Crest Facility.

The Northeast Sammamish Sewer and Water District was recently the subject of local and national news stories as we begin to implement new earthquake early-warning technology to protect our system in the event of a disaster.

The District is the first water utility in the northwest to implement ShakeAlert technology, as part of an advanced earthquake early warning system, to automatically perform system functions.

Both local media and the PBS News Hour reported on the District leading the way and working to ensure we protect our facilities and

ISSAQUAH | SAMMAMISH

### Reporter



Northeast Sammamish Sewer and Water District general manager Laura Keough showcases the automatic shutoff system which was recently installed at one of their reservoirs. It will protect the water supply during an earthquake. Aaron Kunkler/Staff photo

#### Water district starts earthquake pump pilot program

The Northeast Sammamish Sewer and Water District is planning to upgrade all its facilities.

By Aaron Kunkler  
Thursday, July 12, 2018 1:30pm | [NEWS](#)

As the countdown to a major earthquake that researchers expect to hit the Pacific Northwest continues, local utilities are taking steps to prevent as much damage as possible.



## 2019 Sewer and Water Rates

The Northeast Sammamish Sewer and Water District collects and pipes sewage to King County which provides treatment. The county sets sewer rates for all utility districts and the total charge is increasing by \$4.86 per two-month bill or 3.44%.

### SEWER RATES

Below are the new bi-monthly sewer rates.

	2018	2019
King County	\$88.44	\$90.66
NESSWD	\$52.76	\$55.40
	\$141.20	\$146.06

To ensure the proper maintenance & improvement in vital facilities, the District has adopted new water and sewer rates for 2019. As a result, District water rates will increase 3% next year. We are committed to offering the highest quality service at a reasonable cost to our customers.

### WATER RATES

The new bi-monthly rates for a ¾" meter will be:

	2018	2019
Base Rate	\$39.62	\$40.80

Consumption cost per hundred cubic feet:

	2018	2019
0 to 1300 cf	\$2.76	\$2.84
1301-1700 cf	\$4.39	\$4.52
1701- 2600 cf	\$6.36	\$6.55
Over 2600 cf	\$8.33	\$8.58

Below is an example of a bi-monthly water bill for a ¾" meter under different usage scenarios.

	2018	2019
1700 cf (avg use)	\$93.06	\$95.80
2600 cf (summer use)	\$150.30	\$154.75

### STREET LIGHTS

Will also increase by 3% to \$5.75 every two months.

## UPDATE ON CURRENT PROJECTS

### SEWER PIPE LINING

The District recently completed video inspection of 15,800 feet of sewer pipe. The results showed that about 6,100 feet of 44-year old concrete pipe is deteriorating and needs the interior lined. This is not a simple project. The rough estimate is \$1.1 million. NESSWD will complete this project in three phases to spread the costs over three years. **It is estimated that we will gain 45 years of additional pipe life once the project is fully complete.**



### SCADA REPLACEMENT

SCADA stands for “Supervisory Control and Data Acquisition.” The SCADA system is a distributed computer system that is used by operations and management for process monitoring & automation. The District’s current system is obsolete and repair parts are becoming difficult to find.

The Master Control Center allows operators to view our system and perform control actions. This was replaced at the District office this year.

Remote terminal units (RTU’s) are used at outside sites (i.e. wells, reservoirs, and sewer lift stations) and communicate back to the Master Control Center. The District plans to replace the RTUs at the wells and interties in 2019 at a cost of approximately \$368,000. In 2020, we plan on replacing the RTUs at the reservoirs and booster pump stations at an estimated cost of \$180,000. Finally, in 2021 we plan on replacing the RTUs at the sewer lift stations at a cost of approximately \$310,000.