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South Tahoe Public Utility District

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Board of Directors

Chris Cefalu, Director
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Current Needs Assessment

The District's complex water, sewer, and recycled water systems need ongoing maintenance, replacement, and improvements. The District has identified needs in three main areas:

Community-Wide Fire Flow Wildfires present a danger to our life, property, community, and environment. While we have made significant progress since 2014, much remains to be done in order to provide adequate fire flow throughout our entire service area. More than 10 percent of our community lacks access to a fire hydrant that will provide sufficient fire flow. Catastrophic fire starts small and every hydrant matters.

Water System Rehab and Replacement Most of our water system was built in the early 1960s and is a collection of undersized, aging, and sometimes leaking pipes. Additional investments are needed to extend the life of our water system to ensure reliable delivery of high quality water. Replacing waterlines before they reach the end of their useful life prevents emergency projects and lowers long-term costs.

Sewer System Rehab and Replacement Like our water system, most of our sewer collection and treatment system was built in the 1960s. During the big winter of 2017, storm water entered the sewer system causing peak flows and risking sewer spills. In response, we initiated a condition assessment program and developed a 10-year rehab plan to fix sewer lines that are failing. Major upgrades are needed at our five largest sewer pump stations to extend their useful life and to keep sewage flowing reliably to the Waste Water Treatment Plant. Additional investments in the older parts of our treatment plant will keep the process running smoothly.



A sinkhole formed on Tahoe Keys Blvd in 2017 due to the collapse of an old sewer pipe. Costly emergencies like these could become more common without increased investments.

Learn More and Provide Input

Learn more on the District website at STPUD.US/Improvements. We will also be holding a series of public workshops between December 2018 and May 2019. Join us for the first public workshop on **December 20, 2018, at 6 p.m.** in the District Board Room at 1275 Meadow Crest Drive, South Lake Tahoe, CA 96150.

FOR MORE DETAILS: WWW.STPUD.US/IMPROVEMENTS



December 2018

DISTRICT AT WORK: IMPROVING YOUR WATER, WASTEWATER AND RECYCLED WATER SYSTEMS

We are carrying out a wide range of upgrades that lower long-term costs, protect the environment and ensure long-term, quality service.

Your Water and Sewer System—Investments and Improvements

In 2014, the District's Board of Directors approved a series of annual rate increases to help fund more than \$50 million in critical improvements to your water, wastewater, and recycled water systems. Below are some of the results from your investments over the last five years.

Water System Upgrades Improve Fire Flow and Water Conservation

Fire Hydrants and Waterlines More than 200 new fire hydrants (see picture) and 23,000 feet of larger waterlines were installed to provide adequate fire flow throughout our community.



Water Meter Installations More than 5,400 new water meters were installed with the final 2,000 to be completed in the next two years to meet the state's mandate. Using water wisely reduces your bill, energy consumption, our carbon footprint, and the need to build new wells.

Wastewater System Improvements Protect Lake Tahoe and Sensitive Habitats



Wastewater Treatment Plant Four vital treatment plant facilities were rehabilitated. This extends the life of these facilities for many decades and maintains the District's 23 year record of meeting treatment requirements.

Fallen Leaf Lake A series of sewer system improvements have been completed to reduce operating costs and the risk of sewage spills in this beautiful and sensitive area (see picture).

Upper Truckee Marsh Encroaching river flows have been returned to their proper channels, thereby protecting the sewer collection system and reducing the risk of sewage spills into the marsh.

Recycled Water Improvements Protect the Environment and Lower Costs

The District exports all of our treated wastewater out of the Tahoe Basin to keep Lake Tahoe blue.

Luther Pass Pump Station This station pumps an average of 3.9 million gallons of recycled water per day over Luther Pass and has been in continuous operation since 1968. Pump upgrades, new high-efficiency motors, and new electrical and control gears were completed to increase the reliability and efficiency of this critical pump station.

Alpine County The new irrigation and energy recovery facility is producing alfalfa and enough hydro-electricity to power 55 homes (see picture).

