

## M E M O R A N D U M

**TO:** Indra Winquest  
Interim General Manager

**THROUGH:** Joe Pomroy, P.E.  
Director of Public Works

**FROM:** Ronnie Rector  
Public Works Contracts Administrator

**SUBJECT:** Public Works Department's Monthly Status Report for November, 2019

**DATE:** December 20, 2019

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### **DIRECTOR HIGHLIGHTS**

The Diamond Peak Ski Resort performed a magnificent run of 100+ hours of continuous snowmaking over 5 days at the end of November, using a total of 21.2 million gallons of water, or about 4.3 million gallons per day. Only 4 million gallons of sewage (about 0.8 million gallons per day), was received at the WRRF. This made water production at the plant mirror hot summer days in August. Diamond Peak was converting 3.5 million gallons of water per day into snow, while last August we produced an average of 4.6 million gallons of water per day.

Staff completed the 2019 Watershed Control Program Annual Report and submitted it to state regulators and TWSA members. This is a Nevada Department of Environmental Protection requirement (promulgated by the EPA) to maintain the District's status as an unfiltered water system. A total of 12 Lake Tahoe member agencies submit documentation for this report as part of the TWSA, run through the TWSA Director position, (IVGID Resource Conservationist). Our staff completes all data analysis, GIS work and compiles the report writing into this Annual Report.

In a workshop scheduled for January, the Director will be presenting to the Board of Trustees the new schedule for the repair and replacement of the Effluent Export Pipeline in the Lake Tahoe basin. There are multiple impacts and multiple paths for pipeline replacement. One thing is for sure: The two recent leaks reinforce the continued corrosion of the pipe and its decreasing serviceability.

The production work and data compilation for the 2018 Public Works Sustainability Report was prepared and completed (the 2019 report is underway). The report is posted online at:

<https://www.yourtahoeplace.com/public-works/waste-not/sustainabilityPipeline>

## **WASTE NOT AND TAHOE WATER SUPPLIERS ASSOCIATION**

Staff has been conferring with The League to Save Lake Tahoe and Keep Truckee Meadows Beautiful on the Adopt-A-Spot program. We will be working over the winter to assist volunteers in formalizing 2020 cleanup efforts.

Below is a quick summary on the 2019 Green Waste program. For more details, see your PW News included with the December utility bill.

2019 Waste Management statistics:

- 67,021 total “stickers” were utilized
- 56,265 bags were collected curbside
- 10,757 “stickers” were used for un-bagged, bulk, drop-off loads

2019 Full Circle Compost tonnage calculations:

$$11,965 \text{ cubic yards total to FC yard (@ 350# lbs./cu.yd.)} = 2,093 \text{ tons.}$$

In Nevada, greenUP! has partnered with Western Nevada Community College, and received a grant to regionally launch the ‘green biz tracker’ certification platform. Concurrently, in California, the Sierra Business Council is offering the same program. Waste Not participated in the Keep the Sierra Green Program from 2008-2015. This platform is very similar to the former green business program, serving as a way to recognize businesses invested in sustainability measures and stewardship. Waste Not will serve as the IV/CB community liaison on the program. A one day “Green Lodging” workshop is being planned for May 2020.

The District was awarded a \$62,000 NDEP 319h Source Water Protection grant, with the Tahoe Center for Environmental Sciences, for a 2-year educational campaign on micro-plastics pollution and ways to reduce single-use plastics from getting in the environment.

IVGID’s High-Efficiency Appliance Rebate program has provided 38 customers with \$100 rebates for fulfilling requirements of the rebate program.

## **STAFF HIGHLIGHTS**

Public Works welcomed new Public Works truck driver Carl Stump, and Jeff Dodge, who will be Public Works’ new building maintenance person. Applications are being received for a new civil engineer. Staff participated in interviews for a lab intern, as well.

## **UTILITIES HIGHLIGHTS**

The Plants processed a little over 55 million gallons of water and 22 million gallons of wastewater in November. 10,000 gallons of septage came in from the Thunderbird Lodge and Spooner Fire Department, and 78.5 tons of biosolids were trucked to Bently for recycling. And 64 hours were spent on snow removal at District sites.

The second of two polymer “Polyblend” units was installed at the WRRF, replacing the room-full of pumps, valves, switches and Tesla coils required for the previous polymer system, and greatly improving our solids handling process. These new systems decrease the amount of polymer needed to process the biosolids; so much so that staff anticipates they will pay for themselves in about 10 years. The team is so excited to have this new system online, and gave a tour to all of Public Works to see it in action.

The crew shut down all irrigation meters for the golf courses and repaired 6 more fire hydrants. There were 26 call-outs, including those caused by power outages in town, which affected water pump stations and some District venues, and an export link break.

## ENGINEERING HIGHLIGHTS

The Engineering Division is working on several CIP projects, including:

Incline Park Facility Renovations: This project will bring significant upgrades to Ballfield #3, located within Incline Park near the Middle School. Ballfield construction is now substantially complete. Shown here is one of the new dugouts installed at the field. Only punchlist items and scoreboard installation remain. This work will be completed in the spring, when the field is clear of snow.



### Incline Creek Phase VI – Upstream of SR

28: This project is complete, TRPA has closed their permit and the contractor will be paid in full in December, following NAC/NRS requirements.

Water Reservoir Safety and Security Improvements: This project will add safety and security improvements to the District's potable water reservoirs. The contractor, Resource Development Company, is preparing shop drawings and submittals prior to starting work in the spring.

Mountain Golf Clubhouse Restoration: The Contractor, Houston Smith Construction, is actively working on the interior remodel and exterior deck expansion. The project is scheduled to be complete April 1, in time for the 2020 golf season.

WPS 2-1 Electrical Improvements: Product submittals and shop drawings provided by the Contractor, San Joaquin Electric, have been approved and are currently being manufactured offsite. Active construction is scheduled to begin in February.

WRRF Aeration Project: Three bids were received on October 24, and staff anticipates making a recommendation to the Board on December 11.

No additional Public Works contracts were issued in November.

The Engineering Division is also overseeing a number of projects in the construction, bidding, design and planning phases, including: Tennis Center renovations; bocce courts at the Recreation Center site; Champ Course maintenance building drainage improvements; deck resurfacing at Diamond Peak; Phase II of the bike park; pavement maintenance at District venues; and miscellaneous maintenance and upgrade projects at the wetlands, WRRF and BCWDP.

## **FLEET HIGHLIGHTS**

All rolling stock projects for the 2019-2020 CIP have been ordered, with estimated delivery in March.

## **BUSINESS OFFICE HIGHLIGHTS**

The Business Office posted 68 delinquent accounts for shut-off, but no accounts are currently off for non-pay. Potential leak notices were sent to 242 accounts, and 18 properties changed ownership in October.

Contract administration and administrative support for the month included those projects listed in the various division reports, above, and support for other CIPs underway throughout the District. Staff attended a 1-day seminar on labor and prevailing wage reporting and the Apprenticeship Utilization Act taking effect on January 1.