### PUBLIC WORKS BENCHMARKS

<table>
<thead>
<tr>
<th>Benchmark Item</th>
<th>NOVEMBER</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Totals for the Month</td>
<td>Fiscal* Year-to-Date Totals</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2018</td>
<td>2017</td>
<td>3-Year Average</td>
<td>2018</td>
<td>2017</td>
<td>3-Year Average</td>
</tr>
<tr>
<td>Water Flow (acre-feet)</td>
<td>130</td>
<td>119</td>
<td>125</td>
<td>1,678</td>
<td>1,614</td>
<td>1,654</td>
</tr>
<tr>
<td>Wastewater Flow (million gallons)</td>
<td>24</td>
<td>25</td>
<td>24</td>
<td>139</td>
<td>146</td>
<td>145</td>
</tr>
<tr>
<td>Fleet Work Orders, PM &amp; CM, % of Total Time</td>
<td>47%</td>
<td>45%</td>
<td>49%</td>
<td>57%</td>
<td>54%</td>
<td>57%</td>
</tr>
<tr>
<td>Buildings Work Orders Completed (each)</td>
<td>77</td>
<td>104</td>
<td>99</td>
<td>463</td>
<td>497</td>
<td>529</td>
</tr>
<tr>
<td>Customer Service Requests (each)</td>
<td>74</td>
<td>55</td>
<td>62</td>
<td>592</td>
<td>610</td>
<td>592</td>
</tr>
<tr>
<td>Backflow Testing (each)</td>
<td>27</td>
<td>76</td>
<td>55</td>
<td>828</td>
<td>1,053</td>
<td>911</td>
</tr>
<tr>
<td>Plan Checking (each)</td>
<td>15</td>
<td>19</td>
<td>17</td>
<td>130</td>
<td>155</td>
<td>135</td>
</tr>
<tr>
<td>Trash Complaints (actual call-outs)</td>
<td>2</td>
<td>31</td>
<td>24</td>
<td>18</td>
<td>274</td>
<td>150</td>
</tr>
</tbody>
</table>

*Fiscal year is July 1 through June 30.
MEMORANDUM

TO: Steve J. Pinkerton
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 2018

DATE: December 15, 2018

DIRECTOR HIGHLIGHTS

We anticipate a typical December of water use, where we will utilize about 3,000 acre-feet of water for calendar year 2018. This will be right in line with the 5-year average, but higher than the last two years by 5%.

Although it is winter, the Water Resource Recovery Facility is operating in more of a summer mode. It has us scratching our heads how these warm water bacteria are doing so well in our colder water temperatures at the WRRF. Summer temps are in the low 20s, now we are below 14 degrees (Celsius that is…).

Staff took a visit to the old Washoe SID water pumping station, which was mothballed back in 1995, when it no longer met EPA Safe Drinking Water regulations. All equipment is still in functional condition and it looked like it could be operated in a water emergency. The main purpose of the visit was to make sure it is not connected to the treated water system and could not accidently be placed in service. That was confirmed.

WASTE NOT AND TAHOE WATER SUPPLIERS ASSOCIATION

Staff finalized the production of the TWSA 2018 Watershed Control Program Annual Report, which was mailed to regulators on November 30. This is a critical report to stay in compliance with the EPA Safe Drinking Water Act and its amendments.

Staff attended two different Tahoe Keys Integrated Weeds Management Plan Workgroup meetings this month. This effort is being led by TRPA with professional facilitation services by Zephyr Collaboration. The stakeholder assessment was conducted and report issued,
coalescing the issues surrounding this project (Tahoe Keys’ Request for Exemption Application for the use of herbicides submitted to the Lahontan Regional Water Quality Control Board).

There were two snapshots/incidents requiring action by the Solid Waste Enforcement Technician. For comparison, there were 24 incident reports in November last year, at the start of zero tolerance enforcement.

The Garbage Can Enclosure (Bear Box/Shed) rebate program remains in place for new property owners. To date 17 new property owners have submitted applications.

Waste Not Staff is attempting to coordinate Stream Science Lessons with science classes at the Incline Middle School. School policies and class timeframes are limiting the extent of potential lessons that could occur along Rosewood and Incline Creeks behind the Parks Maintenance Building on IVGID property.

**UTILITIES HIGHLIGHTS**

For the month of November, 42 million gallons of water was produced, 24 million gallons of sewage treated, and the WRRF treated 10,000 gallons of septage received from Thunderbird Lodge. In all, 201 tons of biosolids were trucked down to Bentley.

After holding interviews earlier in the month, Staff welcomed new Operator-in-Training Eric Feistroffer. Training consisted of a District safety meeting, and confined space rescue training. Staff performed two actual confined space entries during the month, as well. Alfonso Gutierrez renewed his welding certification.

All snow removal equipment is chained up and ready to go.

The crew worked to abandon a leaking watermain along Harold Drive, and cleared vegetation along the effluent export line’s route. New mag meters were installed at both Preston Field and Ponderosa Avenue. The crew installed sewer clean-outs at the AV Building. Other projects included PRV rebuilds, large meter testing, hydro-flushing of lines and drain cleaning.

**ENGINEERING HIGHLIGHTS**

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

**Diamond Peak CMP Culvert Replacement Project:** This project replaced the original corrugated metal culverts (CMP) that ran under Diamond Peak’s Schoolhouse and Lodgepole runs. The Notice of Completion has been sent for recording and staff is performing the required 45-day notifications to subcontractors and vendors.
Q&D Construction Contract Status:

<table>
<thead>
<tr>
<th>Original Contract Amount</th>
<th>Change Orders to Date</th>
<th>Current Total Contract Amount</th>
<th>Total Payments for Work Completed to Date</th>
<th>Current Balance to Completion (including retainage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,792,459</td>
<td>$0</td>
<td>$3,792,459</td>
<td>$3,091,802</td>
<td>$700,657</td>
</tr>
</tbody>
</table>

Sewer Pump Station 11 Replacement Project – This project will replace the >40-year-old sewer pump station located at the base of Crystal Drive. We anticipate delivery of the new packaged pump station in early December and believe installation can be completed by our Public Works team.

There were no other contracts issued in November.

The Engineering Division is also overseeing a number of projects in the construction, bidding, design and planning phases, including: Replacement of condensing units 2 and 4, a small office space remodel at the Public Works Administration building; parking lot lighting fixes, and upgrades to the patio deck, stairs and railings at the Recreation Center; Tennis Center renovations; District-wide pavement maintenance projects, including golf cart paths; installation of new variable frequency drives at the BCWDP; Burnt Cedar pool condition assessments; Mountain Golf Course ADA site work, and kitchen rebuild; maintenance projects along the Effluent Export Line; water reservoir safety improvements; the District Media RFP and maintenance and upgrade projects at the WRRF, BCWDP and District water and sewer pumping stations.

BUILDINGS HIGHLIGHTS

The Buildings team inspected and repaired all F&B ansul systems, installing a new ansul system at Ski, and closed up all summer venues for the season. Ski also received a new main pump for the plaza’s snow melt system, and a new heater in the exterior Skier Services Women’s restroom. Parking lot lights were repaired and upgraded at the Treatment Plant. The Chateau received four new windows in the lobby area, and the golf cart barn’s roll-up door was replaced.

FLEET HIGHLIGHTS

Staff received and put into service a new vehicle for Compliance, a new service snowmobile for Ski and blade grinding equipment for Golf.
BUSINESS OFFICE HIGHLIGHTS

The Business Office notified 62 accounts of delinquency and 285 property owners of a possible water leak, and updated ownership information for 18 properties. No accounts were shut off for non-pay. Of the 4,588 accounts billed monthly, 1,215 now receive their bills online.

Contract administration and administrative support for the month included those projects listed in Engineering’s report, above, and support for capital improvement projects underway throughout the District.