BOARD MEETING AGENDA*
September 15, 2021

President Todd Sanders  Treasurer Bernice Bagnall
Vice President Jim Duggan  Secretary Jim Doane
Acting Secretary Dick Schmidt

*To slow the spread of COVID-19, this meeting is only available via phone or the web. It will not be held at a physical location. If you wish to attend, please email debbie.carper@tvwd.org or call 503-848-3014 by 4:30 p.m. on September 15, 2021.

The meeting is accessible to persons with disabilities. A request for an interpreter for the hearing impaired or for other accommodations for persons with disabilities should be made at least 48 hours before the meeting to the contact listed above.

For online meeting information, Commissioner bios and more, visit www.tvwd.org.

VISION
Delivering the best water • service • value

MISSION STATEMENT
To provide our community quality water and customer service

VALUES
Reliability • Integrity • Stewardship • Excellence • Safety
REGULAR SESSION – 6:00 PM – MICROSOFT TEAMS MEETING

CALL TO ORDER

REPORTS BY THE CHIEF EXECUTIVE OFFICER AND MANAGEMENT STAFF

COMMISSIONER COMMUNICATIONS

A. Reports of meetings attended
B. Topics to be raised by the Commissioners

PUBLIC COMMENT
This time is set aside for persons wishing to address the Board on items on the Consent Agenda and matters not on the agenda. Additional public comment will be invited on agenda items as they are presented. Each person is limited to five minutes, unless an extension is granted by the Board. Should three or more people testify on the same topic, each person will be limited to three minutes.

1. CONSENT AGENDA
These items are considered to be routine and may be approved in one motion without separate discussion. Any Board members may request that an item be removed by motion for discussion and separate action. Any items requested to be removed from the Consent Agenda for separate discussion will be considered immediately after the Board has approved those items which do not require discussion.

A. Approve the August 18, 2021 regular meeting minutes.

2. BUSINESS AGENDA

A. Consider adopting Resolution 10-21, a resolution establishing water rates and other service charges for the Tualatin Valley Water District with an effective date of November 1, 2021.

ADJOURNMENT

EXECUTIVE SESSION – FOLLOWING REGULAR SESSION – MICROSOFT TEAMS MEETING

A. An executive session of the Board is called under ORS 192.660(2)(f) to consider information or records that are exempt by law from public inspection and ORS 192.660(2)(h) to consult with counsel concerning the legal rights and duties of a public body with regard to current litigation or litigation likely to be filed.
This meeting was held by phone and the internet.

REGULAR SESSION – 6:02 PM

CALL TO ORDER

Commissioners Present: Bernice Bagnall; Jim Doane, PE; Jim Duggan, PE; Todd Sanders; Dick Schmidt

Staff Present: Tom Hickmann, PE, Chief Executive Officer; Paul Matthews, Chief Financial Officer; Carrie Pak, PE, Chief Engineer; Clark Balfour, General Counsel; Dave Kraska, PE, Water Supply Program Director; Joelle Bennett, PE, Water Supply Program Assistance Director; Tim Boylan, IT Services Director; Andrew Carlstrom, Customer Service Manager; Amy Blue, Human Resources Director; Mike Jacobs, Risk Management Coordinator; Andrea Watson, Communication and Public Affairs Supervisor; Frank Reed, Community/Youth Education Coordinator; Ryan Smith, Maintenance Engineering Supervisor; Alex Sykes, Waterworks Operator; Ryan Lewis, Waterworks Operator; JT Keating, Waterworks Operator; Ryan Hansen, Waterworks Operator; Walt Herb, Waterworks Operator; Justin Carlton, Financial Operations Manager; Joe Healy, Senior Management Analyst; Janet Fleshman, Document and Controls Coordinator; Kristi Kernal, Administrative Assistant; Tara Vanderwery, Water Quality Specialist; Gentree Hinsley-Flores, Senior Billing Specialist; Debbie Carper, District Recorder

Other Attendees: Chris Brown

1. PUBLIC HEARING

   A. Consider adopting Resolution 10-21, a resolution establishing water rates and other service charges for the Tualatin Valley Water District with an effective date of November 1, 2021. Staff report – Paul Matthews

   Mr. Matthews reviewed the District’s financial management process, key dates in the rate setting process, water supply risks, water system reliability and resilience components, major rate drivers, near-term infrastructure investments and cost control measures.

   Next, he gave an overview of the Willamette Water Supply System (WWSS) and how its projects are supporting the local economy as well as budgetary control strategies, the benefits of partnership on projects and recent changes that deferred costs.
Mr. Matthews gave an overview of the District’s financial performance over the past biennium, including information on revenues, expenditures and cash.

Then he reviewed the Financial Plan, including planned capital expenditures, debt financing and potential risks.

Finally, Mr. Matthews described the proposed rate increase to fixed and volume charges as well as other fees and charges. The public comment period will close on August 25, 2021, at 4:00 p.m. Consideration of adoption of the proposed increases will occur at the September 15, 2021, regular Board meeting.

Commissioner Sanders opened the public hearing and asked for testimony in support or opposition.

Chris Brown said he opposes the rate increase and advocated for internal budget cuts that match rate increase percentages as well as voter approval prior to initiating projects with major capital expenditures such as the WWSS.

There was no further testimony. The public hearing was closed.

**REPORTS BY THE CHIEF EXECUTIVE OFFICER AND MANAGEMENT STAFF**

Mr. Hickmann reported on recent Cryptosporidium detections in Bull Run water, reminded the Board about the upcoming virtual forum on water rates on August 21 at 9:30 a.m. and said, if feasible, staff is transitioning back to working from home given recent COVID-19 transmission concerns (see attached memo).

Ms. Pak provided the safety minute on heat illness prevention.

Mr. Smith gave the department report on the Cornelius Pass pressure relief and fluoride station manifold repair project, including information on project location, facility functions and major elements of the project (see presentation). He highlighted the staff involved and the important partnership with the City of Hillsboro.

Commissioners expressed admiration and appreciation for the work staff did on this project.

In response to a question, staff said it took around three months to complete the project.

**COMMISSIONER COMMUNICATIONS**

A. Reports of meetings attended

Commissioners described and submitted a list of recently attended meetings (see attached forms).
B. Topics to be raised by the Commissioners

There were none.

**PUBLIC COMMENT**

There was none.

2. **CONSENT AGENDA**

   A. Approve the July 21, 2021 regular meeting minutes.

   B. Approve the August 3, 2021 work session minutes.

Motion was made by Bagnall, seconded by Doane, to approve the Consent Agenda as presented. The motion passed unanimously with Bagnall, Doane, Duggan and Sanders voting in favor.

3. **BUSINESS AGENDA**

   A. Consider adopting Resolution 09-21, a resolution of the Board of Commissioners directing the Chief Executive Officer to take reasonable and necessary steps to increase the COVID-19 vaccination rate among District employees.

   Commissioner feedback included:
   - Support for the first alternate resolution mandating vaccination.
   - Concerns about the October 20 deadline.
   - A desire to allow vaccinated employees, who have been exposed to the virus, to be included in the testing program.

   Mr. Balfour said if the Board mandates vaccines, the chosen deadline must allow staff adequate time to go through the vaccination process or to establish a disability accommodation or religious exemption. Ms. Blue concurred, recommending an October deadline. Mr. Hickmann said the deadline can be a goal, with staff determining the mechanics needed to attempt to reach that goal. He promised to alert the Board if it is determined the October 20 deadline cannot be reached.

   Motion was made by Doane, seconded by Bagnall, that the Board adopt a resolution mandating vaccinations for all District employees except an employee who has a disability or religious belief that prevents him or her from receiving the vaccination, that the resolution set the time for vaccination compliance by delivery of proof of vaccination to the District or a submitted request for exemption no later than October 20, 2021 and that the Chief Executive Officer is directed to implement a testing program for all unvaccinated employees at District expense and otherwise
develop and take all steps necessary to implement the resolution. The motion passed unanimously with Bagnall, Doane, Duggan and Sanders voting in favor.

Motion was made by Duggan, seconded by Schmidt, to amend the prior motion to include testing as determined needed by the Chief Executive Officer for breakthrough cases in protecting staff members regarding transmission, regardless of vaccination status. The motion passed unanimously with Bagnall, Doane, Duggan, Sanders and Schmidt voting in favor.

Commissioners noted the District is joining a growing list of organizations making the difficult decision to mandate vaccination. Appreciation was expressed for open communication and respect between Commissioners for differing viewpoints. The Board said they would like this decision to lead to greater staff focus on District operations and important projects rather than the pandemic.

**ADJOURNMENT**

There being no further business, President Sanders adjourned the meeting at 7:55 p.m.

______________________________  _______________________________
Todd Sanders, President                Jim Doane, Secretary
MEMO

Date: August 18, 2021
To: Tualatin Valley Water District Board of Commissioners
From: Tom Hickmann, CEO
Re: Chief Executive Officer and Management Staff Report

The following items will be covered during the report by the CEO:

1. **Portland Cryptosporidium Results** – For the month of July 2021, the Portland Water Bureau reported one *Cryptosporidium* oocyst detection in water samples collected from the Bull Run Headworks. Complete results of Portland’s *Cryptosporidium* monitoring are posted on the City’s website: https://www.portland.gov/water/water-quality/test-results#toc-cryptosporidium.

2. **August 21st Talkin’ Water** – There is one more Talkin’ Water virtual forum, featuring water rates, scheduled for this month. This is an opportunity to share information about the water rate proposal and connect with customers. This session will be held Saturday, August 21, from 9:30 a.m. – 11:00 a.m.

3. **COVID-19 Update** – Due to the increase in COVID-19 cases, on August 15th, I announced that TVWD will be transitioning back to working from home for those employees that can do so. The goal is to have the transition accomplished by the end of this week. Additional changes or timing will be addressed as the COVID situation evolves.

4. **Safety Minute and Department Report** – Carrie Pak, Chief Engineer, will present the safety minute and department report this evening.
PROPOSED CHANGES TO WATER RATES AND OTHER SERVICE CHARGES

Paul L. Matthews
August 18, 2021

DISTRICT FINANCIAL MANAGEMENT PROCESS

Deliver  Financial Plan
Rates     Budget
APPROVED RATE-SETTING PROCESS

- **Virtual Open Houses (Talkin’ Water)**
  - Wednesday August 11
  - Noon to 1:30 pm
  - 6:00 pm to 7:30 pm
  - Receive public comment

- **August 18th Regular Meeting**
  - Open public hearing
  - Receive public comment

- **Virtual Open Houses (Talkin’ Water)**
  - Saturday, August 21, 9:30 am to 11:00 am
  - Receive public comment

- **Close Public Comment**
  - August 25th
  - Close public comment period at 4:00 p.m.

- **September 15th Regular Meeting**
  - Adopt rates

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Risks threaten our water supply:

- Earthquakes
- Drought
- Climate change
- Power outages
- Fires
MULTIPLE WATER SOURCES
SYSTEM RELIABILITY AND RESILIENCE

River water  Reservoirs  Aquifer Storage and Recovery  Regional Partnerships  Water Conservation

HOW YOUR MONEY IS USED
Major Rate Drivers

Construction of the additional water supply  Operating the system and funding repairs and replacements of aging infrastructure  Purchased water
NEAR-TERM INFRASTRUCTURE INVESTMENTS

![Graph showing near-term infrastructure investments](image)

WHAT HAVE WE DONE TO MANAGE COSTS?

- **Reduced Personnel Services budget by 2.8%**
- **Deferred $50 million of infrastructure projects**
- **Partnered with other utilities to lower and share costs**
Willamette Water Supply Program
Mission

Provide a cost-effective, reliable, and resilient water supply system by July 2026, that benefits current and future generations of the communities we serve and supports a vibrant local economy.

WWSS OVERVIEW

1. Willamette River intake, located in Wilsonville
2. New state-of-the-art water treatment plant
3. 30+ miles of large diameter transmission pipeline
4. Water storage tanks
**SUPPORTING OUR ECONOMY**

Business Utilization: Recent Activities

94% of spend for WWSS is benefitting the local economy

Added 69 local businesses during Q3 to Q4 2020 reporting period

Data through Q4 2020

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**SIX WAYS WE CONTROL COSTS AND STAY ON BUDGET**

1. Maximize competition
2. Negotiate the best price and quality for services and goods.
3. Make cost-effective engineering design decisions.
4. Proactively manage risks early.
5. Partner on projects.
6. Rigorously manage all aspects of the Program to stay on schedule.
PARTNERSHIPS SAVE MONEY & REDUCE IMPACTS
TVWD, Hillsboro & Beaverton are Program Partners

Kinsman Road Project
Partnership with Wilsonville & Oregon Department of Transportation

124th Avenue Partnership Project
Partnership with Washington County

South Hillsboro Area Pipeline Project
Coordinated with Newland

MANAGING COST, SCHEDULE RISK & BUDGET

• Developed options to reduce spend through 2026 between $30 million and $170 million
• Balancing the mission of the WWSP with the current realities
• Evaluation of options to reduce spending by about $50 million

Defer one reservoir

Defer most of PLW_2.0

Other deferrals

• Completing the fiber-optic communications network north of the WTP
• Minor WTP components
• Staff positions
DISTRICT’S FINANCIAL PERFORMANCE
2019-21 BIENNium

Revenue

• COVID-19 negatively affected water sales revenue
• System development charges exceeded plan

Expenditures

• Management focused on savings to provide financial flexibility during COVID-19
• Operating expenditures below budget
• Higher than anticipated bad-debt expense
• Capital expenditures below budget
## DISTRICT’S FINANCIAL PERFORMANCE 2019-21 BIENNIAL

### Cash
- Projected ending fund balances higher than expected
- $68+ million in cash accessible from WIFIA loan

### Conclusions
- COVID-19 reduced revenue affecting the District’s financial performance and debt strategy
- Savings have offset near-term losses in revenue despite increases in bad-debt expenses
- District’s cash position remains strong

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**FINANCIAL PLAN AND PROPOSED RATES**

**Paul Matthews**

2021-23 Water Rate Open House
CAPITAL EXPENDITURE BY FISCAL YEAR

<table>
<thead>
<tr>
<th>Year</th>
<th>WWSP</th>
<th>JWC</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>$73.4</td>
<td>0.6</td>
<td>$139.4</td>
</tr>
<tr>
<td>2023</td>
<td>$171.3</td>
<td>0.1</td>
<td>$244.0</td>
</tr>
<tr>
<td>2024</td>
<td>$130.4</td>
<td>0.3</td>
<td>$177.9</td>
</tr>
<tr>
<td>2025</td>
<td>$56.9</td>
<td>0.7</td>
<td>$86.3</td>
</tr>
<tr>
<td>2026</td>
<td>$36.1</td>
<td>0.6</td>
<td>$42.7</td>
</tr>
<tr>
<td>2027</td>
<td>$2.4</td>
<td>1.0</td>
<td>$12.4</td>
</tr>
<tr>
<td>2028</td>
<td>$1.9</td>
<td>1.0</td>
<td>$2.9</td>
</tr>
<tr>
<td>2029</td>
<td>$17.3</td>
<td>1.1</td>
<td>$18.4</td>
</tr>
<tr>
<td>2030</td>
<td>$17.1</td>
<td>1.1</td>
<td>$18.2</td>
</tr>
<tr>
<td>2031</td>
<td>$510.3</td>
<td>7.7</td>
<td>$518.0</td>
</tr>
</tbody>
</table>

* WWSP* share of projected total costs.

PLANNED DEBT FINANCING BY FISCAL YEAR

<table>
<thead>
<tr>
<th>Year</th>
<th>WIFIA</th>
<th>Bonds</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>$60</td>
<td>-</td>
<td>$60</td>
</tr>
<tr>
<td>2023</td>
<td>$195</td>
<td>-</td>
<td>$195</td>
</tr>
<tr>
<td>2024</td>
<td>$133</td>
<td>-</td>
<td>$133</td>
</tr>
<tr>
<td>2025</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2026</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>2027</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>2028</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2029</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2030</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2031</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Totals</td>
<td>$388</td>
<td>36</td>
<td>$424</td>
</tr>
</tbody>
</table>

*Net proceeds for capital expenditures (after issuance costs).
RISKS TO THE FORECAST

Higher Costs from Portland
- Costs for treatment facilities
- Changes to peaking factors
- Contract difficulties
- Other O&M and CIP

Interest Rates
- Loss of tax-exempt bonds
- Reduction in credit rating
- General increase in interest rates

Capital Expenditures
- Increase in the rate of inflation
- Timing/unplanned failure
- Project definitions
- Construction costs
- Loss of a partner

Others
- Economic downturn
- Changes in water demands
- Annexations with withdrawals
- Curtailment of water sales

PROPOSED VOLUME RATES ($/CCF¹)

<table>
<thead>
<tr>
<th>Rates ($/CCF)</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1</td>
<td>$5.62</td>
<td>$6.15</td>
<td>$6.73</td>
</tr>
<tr>
<td>Block 2</td>
<td>$8.01</td>
<td>$8.77</td>
<td>$9.60</td>
</tr>
</tbody>
</table>

¹ One CCF is 100 cubic feet of water or about 748 gallons.

² Single-Family Residential Class: Block 1 = Water use up to 28 CCF every two months. Block 2 = All consumption over 28 CCF every two months.

³ All other classes: Block 1 = Water use up to 140% of 12-month moving avg. Block 2 = All consumption exceeding the Block 1 threshold.
## PROPOSED FIXED MONTHLY CHARGES

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8 Inch</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>3/4 Inch</td>
<td>18.71</td>
<td>20.49</td>
<td>22.44</td>
</tr>
<tr>
<td>1 Inch</td>
<td>23.06</td>
<td>25.25</td>
<td>27.65</td>
</tr>
<tr>
<td>1.5 Inch</td>
<td>30.99</td>
<td>33.93</td>
<td>37.15</td>
</tr>
<tr>
<td>2 Inch</td>
<td>45.71</td>
<td>50.05</td>
<td>54.80</td>
</tr>
<tr>
<td>3 Inch</td>
<td>127.27</td>
<td>139.36</td>
<td>152.60</td>
</tr>
<tr>
<td>4 Inch</td>
<td>170.53</td>
<td>186.73</td>
<td>204.47</td>
</tr>
<tr>
<td>6 Inch</td>
<td>274.83</td>
<td>300.94</td>
<td>329.53</td>
</tr>
</tbody>
</table>

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## CUSTOMER IMPACT FOR PROPOSED INCREASES

(TYPICAL CUSTOMER USING 7 CCF\(^1\) PER MONTH)

\(^1\)One CCF is 100 cubic feet of water or about 748 gallons. Typical customer at TVWD uses 7 CCF per month.
### CUSTOMER IMPACT
(TYPICAL CUSTOMER USING 7 CCF\(^1\) PER MONTH)

<table>
<thead>
<tr>
<th>5/8-Inch Meter</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Charge</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>Volume Charge</td>
<td>$39.34</td>
<td>$43.05</td>
<td>$47.11</td>
</tr>
<tr>
<td>Total</td>
<td>$56.33</td>
<td>$61.65</td>
<td>$67.48</td>
</tr>
<tr>
<td>Monthly Increase</td>
<td></td>
<td><strong>$5.32</strong></td>
<td><strong>$5.83</strong>*</td>
</tr>
</tbody>
</table>

\(^1\)One CCF is 100 cubic feet of water or about 748 gallons. Typical customer at TVWD uses 7 CCF per month.  
*The postcard mailed to customers contained a transposition error.

### CUSTOMER IMPACT
(ABOVE AVERAGE CUSTOMER USING 12 CCF\(^1\) PER MONTH)

<table>
<thead>
<tr>
<th>5/8-Inch Meter</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Charge</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>Volume Charge</td>
<td>$67.44</td>
<td>$73.80</td>
<td>$80.76</td>
</tr>
<tr>
<td>Total</td>
<td>$84.43</td>
<td>$92.40</td>
<td>$101.13</td>
</tr>
<tr>
<td>Monthly Increase</td>
<td></td>
<td><strong>$7.97</strong></td>
<td><strong>$8.73</strong></td>
</tr>
</tbody>
</table>

\(^1\)One CCF is 100 cubic feet of water or about 748 gallons.
CUSTOMER IMPACT
(HIGH-USE CUSTOMER USING 28 CCF¹ PER MONTH)

<table>
<thead>
<tr>
<th>5/8-Inch Meter</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Charge</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>Volume Charge</td>
<td>$190.82</td>
<td>$208.88</td>
<td>$228.62</td>
</tr>
<tr>
<td>Total</td>
<td>$207.81</td>
<td>$227.48</td>
<td>$248.99</td>
</tr>
<tr>
<td>Monthly Increase</td>
<td></td>
<td>$19.67</td>
<td>$21.51</td>
</tr>
</tbody>
</table>

¹One CCF is 100 cubic feet of water or about 748 gallons.
## RECOMMENDED FEE CHANGES

<table>
<thead>
<tr>
<th>Fee/Charge Description</th>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning service on or off during office hours, regardless of the reason for action</td>
<td>$100</td>
<td>$105</td>
</tr>
<tr>
<td>Additional charge for turning service on or off outside of regular office hours</td>
<td>$85</td>
<td>$90</td>
</tr>
<tr>
<td>All snowbird turn offs</td>
<td>$95</td>
<td>$100</td>
</tr>
<tr>
<td>Removal of meter during construction or to enforce payment of bill</td>
<td>$185</td>
<td>$195</td>
</tr>
<tr>
<td>Installation or removal of locking device (listed by occurrence)</td>
<td>$100, $115, $220 (1st, 2nd, 3rd)</td>
<td>$105, $120, $230 (1st, 2nd, 3rd)</td>
</tr>
<tr>
<td>Upon request, testing water meters on premises (5/8-inch, 3/4-inch, and 1-inch meters)</td>
<td>$185</td>
<td>$195</td>
</tr>
<tr>
<td>Upon request, removal of meter for testing (5/8-inch, 3/4-inch, and 1-inch meters)</td>
<td>$400</td>
<td>$420</td>
</tr>
<tr>
<td>Repair of breakage/damage to District assets</td>
<td>Time &amp; Materials</td>
<td>Time &amp; Materials</td>
</tr>
</tbody>
</table>

## BULK WATER FEE CHANGES

### 12-month Fire Hydrant Permit Fees*

<table>
<thead>
<tr>
<th>Permit Type</th>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrant permit (tanks ≤500 gallons)</td>
<td>$225</td>
<td>$235</td>
</tr>
<tr>
<td>Hydrant permit (tanks 501-1499 gallons)</td>
<td>$675</td>
<td>$685</td>
</tr>
<tr>
<td>Hydrant permit (tanks 1500-2999 gallons)</td>
<td>$1,220</td>
<td>$1,225</td>
</tr>
<tr>
<td>Hydrant permit (tanks ≥3000 gallons)</td>
<td>$2,410</td>
<td>$2,420</td>
</tr>
</tbody>
</table>

*Note: Hydrant permit fees include water consumed; load reporting not required.

### Other Hydrant Use Fees

<table>
<thead>
<tr>
<th>Service</th>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-site tank inspection (does not include permit)</td>
<td>$95</td>
<td>$100</td>
</tr>
<tr>
<td>Hydrant meter administrative fee</td>
<td>$510</td>
<td>$535</td>
</tr>
</tbody>
</table>
OTHER RECOMMENDED FEE CHANGES

<table>
<thead>
<tr>
<th>Fire Hydrant Flow Testing Fees</th>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>No existing information. Full test is requested</td>
<td>$565</td>
<td>$585</td>
</tr>
<tr>
<td>Extended pressure test (if requested as part of full flow test)</td>
<td>$695</td>
<td>$720</td>
</tr>
<tr>
<td>Extended pressure test without an additional flow test</td>
<td>$470</td>
<td>$485</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Fees/Charges</th>
<th>Current</th>
<th>Proposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDC finance contract and recording fee</td>
<td>$500</td>
<td>$520</td>
</tr>
<tr>
<td>Temporary irrigation meter</td>
<td>$2,305</td>
<td>$2,355</td>
</tr>
</tbody>
</table>

Meter and Service Installation Charges (see Exhibit B of resolution):
Reductions from 0.0% to -0.85% depending on meter size and type (e.g., meter or service install)

NEXT STEPS

Continued Outreach
- Virtual Open House using Talkin’ Water format on Saturday at 9:30 am
- Same information presented at all three virtual open houses

Public Comments
- Online Form
- Email: Board@tvwd.org
- Mail written comments to TVWD
- Public comment period closes at 4:00 pm on August 25, 2021

Proposed Actions
- Adopt new rates by resolution at September 15, 2021 regular meeting
- Implement new rates effective November 1, 2021 and November 1, 2022
QUESTIONS AND ANSWERS

Engineering and Operations Department Update

Ryan Smith
Cornelius Pass Manifold Repair

JWC 520

385 435

PDX 520
Colton Kelsey, WWO

Jeremy Kind, Fleet Coordinator
Steve (Walt) Herb, WWO
<table>
<thead>
<tr>
<th>OPTION</th>
<th>COST</th>
<th>TIME</th>
<th>RISK/CONFIDENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leave as is</td>
<td>0</td>
<td>0</td>
<td>$$$$$</td>
</tr>
<tr>
<td>Repair in place</td>
<td>$</td>
<td>$</td>
<td>$$$$</td>
</tr>
<tr>
<td>Repair in place and repair lining</td>
<td>$$$</td>
<td>$$</td>
<td>$$</td>
</tr>
<tr>
<td>Remove, repair, re line and coat</td>
<td>$$$</td>
<td>$$$</td>
<td>$$</td>
</tr>
<tr>
<td>Fabricate new piece and replace</td>
<td>$$$</td>
<td>$$</td>
<td>$$</td>
</tr>
</tbody>
</table>
Ryan Hansen, WWO

Mikk Puppo, WWO

Ben Larsen, WWO
John Keating (JT), WWO
City of Hillsboro Water
Kevin Henning
Paul Visser
Ben Duyck
Ross Corey
Brian Kemper
Ron Kemper
Ron Jacobs
Dan Herb
Roy Kunkle
Liberty Metal Fabrication
AND everyone who kept the water flowing!
Report of Meetings Attended

**Commissioner Bernice Bagnall**

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting or Function</th>
<th>Purpose</th>
<th>$</th>
<th>Claimed</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/27/2021</td>
<td>TVWD staff lunch</td>
<td>Employee appreciation</td>
<td>$50</td>
<td>□ Yes</td>
</tr>
<tr>
<td>8/3/2021</td>
<td>Board Work session</td>
<td>WWSS, COVID, Hybrid meetings</td>
<td>$50</td>
<td>X Yes</td>
</tr>
<tr>
<td>8/18/2021</td>
<td>Board meeting</td>
<td>District business and rate hearing</td>
<td>$50</td>
<td>X Yes</td>
</tr>
</tbody>
</table>

$100 OK to pay and $50 to CEAP D Carper □ Yes □ No

By Board Resolution 02-14, an amount equal to the unclaimed funds for services will be transferred to the District’s Customer Emergency Assistance Program.

ORS 198.190, “A member of the governing body of a district may receive, not to exceed $50.00 for each day or portion thereof as compensation for services performed as a member of the governing body. Such compensation shall not be deemed lucrative. The governing body may provide for reimbursement of a member for actual and reasonable traveling and other expenses necessarily incurred by a member in performing official duties.” Please note that in accordance with ORS 294.331 (3) members of the budget committee shall receive no compensation for their services as members of such committee.
Report of Meetings Attended

**Commissioner Jim Doane**

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting or Function</th>
<th>Purpose</th>
<th>$</th>
<th>Claimed</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 July</td>
<td>WIF Meeting</td>
<td></td>
<td>50</td>
<td>□ Yes   X No</td>
</tr>
<tr>
<td>3 Aug</td>
<td>Work Session</td>
<td></td>
<td>50</td>
<td>□ Yes   X No</td>
</tr>
<tr>
<td>11 Aug</td>
<td>Talking Water Rates (2 meetings)</td>
<td></td>
<td>50</td>
<td>□ Yes   X No</td>
</tr>
<tr>
<td>12 Aug</td>
<td>AWWA Discussion of Portland’s Treatment and TVWD’s WWSA</td>
<td></td>
<td>50</td>
<td>□ Yes   X No</td>
</tr>
<tr>
<td>17 Aug</td>
<td>Meeting with Todd, Tom and Bob Willis on future with Beaverton</td>
<td></td>
<td>50</td>
<td>□ Yes   X No</td>
</tr>
<tr>
<td>18 Aug</td>
<td>Regular Meeting</td>
<td></td>
<td>50</td>
<td>□ Yes   X No</td>
</tr>
</tbody>
</table>

ORS 198.190, “A member of the governing body of a district may receive, not to exceed $50.00 for each day or portion thereof as compensation for services performed as a member of the governing body. Such compensation shall not be deemed lucrative. The governing body may provide for reimbursement of a member for actual and reasonable traveling and other expenses necessarily incurred by a member in performing official duties.” *Please note that in accordance with ORS 294.331 (3) members of the budget committee shall receive no compensation for their services as members of such committee.*

By Board Resolution 02-14, an amount equal to the unclaimed funds for services will be transferred to the District’s Customer Emergency Assistance Program.
Report of Meetings Attended

**Commissioner Jim Duggan**

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting or Function</th>
<th>Purpose</th>
<th>$</th>
<th>Claimed</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/03/2021</td>
<td>TVWD Work Session</td>
<td>WWSS &amp; Other Updates</td>
<td>50</td>
<td>× Yes □ No</td>
</tr>
<tr>
<td>08/04/2021</td>
<td>Meeting with Tom &amp; Clark</td>
<td>Business Item</td>
<td>50</td>
<td>× Yes □ No</td>
</tr>
<tr>
<td>08/05/2021</td>
<td>WWSS Board Meeting</td>
<td>Regular Monthly Mtg.</td>
<td>50</td>
<td>× Yes □ No</td>
</tr>
<tr>
<td>08/10/2021</td>
<td>Meeting with Todd, Tom, Clark</td>
<td>Agenda Planning</td>
<td>50</td>
<td>× Yes □ No</td>
</tr>
<tr>
<td>08/11/2021</td>
<td>Talkin’ Water: Rates Forum #2</td>
<td>Virtual Open House</td>
<td>50</td>
<td>× Yes □ No</td>
</tr>
<tr>
<td>08/18/2021</td>
<td>TVWD Board Meeting &amp; Executive Session</td>
<td>Regular Monthly Mtg.</td>
<td>50</td>
<td>× Yes □ No</td>
</tr>
</tbody>
</table>

ORS 198.190, “A member of the governing body of a district may receive, not to exceed $50.00 for each day or portion thereof as compensation for services performed as a member of the governing body. Such compensation shall not be deemed lucrative. The governing body may provide for reimbursement of a member for actual and reasonable traveling and other expenses necessarily incurred by a member in performing official duties.” *Please note that in accordance with ORS 294.331 (3) members of the budget committee shall receive no compensation for their services as members of such committee.*

By Board Resolution 02-14, an amount equal to the unclaimed funds for services will be transferred to the District’s Customer Emergency Assistance Program.
## Report of Meetings Attended

**Commissioner Dick Schmidt**

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting or Function</th>
<th>Purpose</th>
<th>$</th>
<th>Claimed</th>
</tr>
</thead>
<tbody>
<tr>
<td>08182021</td>
<td>Regular board</td>
<td></td>
<td>50</td>
<td>☒ Yes ☐ No</td>
</tr>
<tr>
<td>08032021</td>
<td>Work session</td>
<td></td>
<td>50</td>
<td>☒ Yes ☐ No</td>
</tr>
</tbody>
</table>

**ORS 198.190**, “A member of the governing body of a district may receive, not to exceed $50.00 for each day or portion thereof as compensation for services performed as a member of the governing body. Such compensation shall not be deemed lucrative. The governing body may provide for reimbursement of a member for actual and reasonable traveling and other expenses necessarily incurred by a member in performing official duties.” *Please note that in accordance with ORS 294.331 (3) members of the budget committee shall receive no compensation for their services as members of such committee.*

By Board Resolution 02-14, an amount equal to the unclaimed funds for services will be transferred to the District’s Customer Emergency Assistance Program.

D Carper
I approve the meetings attended forms for Commissioner Bagnal, Doane, Duggan and Schmidt.

Good morning,

Could you please email me your approval of the attached meetings attended forms?

Debbie Carper, MMC
District Recorder
1850 SW 170th Avenue, Beaverton, OR 97003
direct 503-848-3014
debbie.carper@tvwd.org
www.tvwd.org

Tualatin Valley Water District
Delivering the Best Water • Service • Value
Report of Meetings Attended

**Commissioner Todd Sanders**

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting or Function</th>
<th>Purpose</th>
<th>$</th>
<th>Claimed</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/27/21</td>
<td>TVWD Staff Appreciation Luncheon</td>
<td>Staff recognition summer BBQ</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td>7/28/21</td>
<td>TVWD Business Meeting</td>
<td>Meet with CEO and Counsel to discuss TVWD business agenda</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td>8/3/21</td>
<td>TVWD Board Work Session</td>
<td>Monthly work session including TVWD COVID discussion</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td>8/10/21</td>
<td>Agenda Planning Meeting</td>
<td>Meet with CEO and Vice President to discuss monthly meeting agenda</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td>8/11/21</td>
<td>Water Rates Virtual Open House</td>
<td>Public rates discussion</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td>8/17/21</td>
<td>TVWD/Beaverton Discussion</td>
<td>Meet with consultant to discuss ways for TVWD to be a better partner to Beaverton</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td>8/18/21</td>
<td>TVWD monthly meeting</td>
<td>Rate approval, COVID resolution</td>
<td>50</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$350</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ORS 198.190, “A member of the governing body of a district may receive, not to exceed $50.00 for each day or portion thereof as compensation for services performed as a member of the governing body. Such compensation shall not be deemed lucrative. The governing body may provide for reimbursement of a member for actual and reasonable traveling and other expenses necessarily incurred by a member in performing official duties.” Please note that in accordance with ORS 294.331 (3) members of the budget committee shall receive no compensation for their services as members of such committee.

By Board Resolution 02-14, an amount equal to the unclaimed funds for services will be transferred to the District’s Customer Emergency Assistance Program.
Yes, I approve.

Jim Doane

On Wed, Aug 18, 2021, 15:53 Debbie Carper wrote:

Hi Commissioner Doane,

Could I please have your email approval of Commissioner Sanders’ meetings attended form?

Debbie Carper, MMC

District Recorder

1850 SW 170th Avenue, Beaverton, OR 97003

direct 503-848-3014

debbie.carper@tvwd.org

www.tvwd.org

Tualatin Valley Water District

Delivering the Best Water • Service • Value
Requested Board Action:
Consider adopting a resolution establishing water rates and other service charges for the Tualatin Valley Water District with an effective date of November 1, 2021.

Key Concepts:
- At its May 19, 2021 regular meeting, the Board of Commissioners (Board) adopted Resolution 04-21 which approved the District’s 2021-23 Financial Plan.
- The 2021-23 Financial Plan anticipates increases in water rates to fund the District’s capital and operating expenditures.
- At its July 21, 2021 regular meeting, the Board adopted Resolution 08-21 which established the rate-setting process to implement the revenue adjustments necessary for the approved Financial Plan.
- At the July 21, 2021 regular meeting, staff also presented a proposal to adjust water rates to produce the revenues required by the approved Financial Plan.
- The District notified customers as required by Oregon law of the Board’s intention to consider water rates at a public hearing held during the August 18, 2021 regular meeting.
- At its August 18, 2021 regular meeting, the Board held a public hearing to consider changes in water rates.

Background:
The proposed resolution sets the District’s water rates and charges. This resolution does not affect system development charges.

At the Board’s July 21, 2021 regular meeting, staff presented a review of the District’s financial status, an overview of the revenue assumptions in the District’s approved Financial Plan and a proposal to adjust water rates accordingly. Based on the direction of the Board, staff has prepared the attached proposed rate resolution.

The proposed rate adjustments include changes to both the volume charges and the fixed charges. The proposed volume charges are:
Resolution Establishing Water Rates and Other Service Charges

<table>
<thead>
<tr>
<th>Rates ($/CCF)</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1</td>
<td>$5.62</td>
<td>$6.15</td>
<td>$6.73</td>
</tr>
<tr>
<td>Block 2</td>
<td>$8.01</td>
<td>$8.77</td>
<td>$9.60</td>
</tr>
</tbody>
</table>

There are no changes proposed for the block thresholds under which the block rates apply. For single-family residential customers, consumption of 28 hundred cubic feet (CCF) or less of water per bimonthly period is charged at the lower block 1 rate. Consumption exceeding 28 CCF during a bimonthly period is charged at the higher block 2 rate. The block rates are designed to charge customers in proportion to the cost of serving them. Customers with lower peak demands will have lower water bills than customers with higher peak demands. This rate design is consistent with the Board’s policy that rates should reflect the cost of serving customers.

For customers other than single-family residential, the block 1 rates apply to all water billed at or below 140% of the customer’s 12-month average consumption. Consumption exceeding 140% of a customer’s 12-month average consumption is charged at the higher block 2 rate. As with single-family residential customers, this rate design is consistent with the Board’s policy that rates should reflect the cost of serving customers.

The proposed fixed charges vary by meter size and are:

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8 Inch</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>3/4 Inch</td>
<td>18.71</td>
<td>20.49</td>
<td>22.44</td>
</tr>
<tr>
<td>1 Inch</td>
<td>23.06</td>
<td>25.25</td>
<td>27.65</td>
</tr>
<tr>
<td>1.5 Inch</td>
<td>30.99</td>
<td>33.93</td>
<td>37.15</td>
</tr>
<tr>
<td>2 Inch</td>
<td>45.71</td>
<td>50.05</td>
<td>54.80</td>
</tr>
<tr>
<td>3 Inch</td>
<td>127.27</td>
<td>139.36</td>
<td>152.60</td>
</tr>
<tr>
<td>4 Inch</td>
<td>170.53</td>
<td>186.73</td>
<td>204.47</td>
</tr>
<tr>
<td>6 Inch</td>
<td>274.83</td>
<td>300.94</td>
<td>329.53</td>
</tr>
</tbody>
</table>

For the typical single-family residential customer, the proposed rate adjustment would result in an increase in their water bill of $5.32 per month beginning November 1, 2021, and another $5.83 per month beginning November 1, 2022.

<table>
<thead>
<tr>
<th>Typical Single-Family Residential Bill</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8-Inch Meter</td>
</tr>
<tr>
<td>Fixed Charge</td>
</tr>
<tr>
<td>Volume Charge</td>
</tr>
<tr>
<td>Total</td>
</tr>
<tr>
<td>Monthly Increase</td>
</tr>
</tbody>
</table>

This estimate of the increase is based on a typical customer with a 5/8-inch meter using 7 CCF per month. About 95% of the District’s residential customers have a 5/8-inch meter. The estimate of the typical bill is presented as a monthly amount to be consistent with other utility bills customers typically
receive. Most of the District’s customers are, however, billed bimonthly. The actual bill impact on individual customers, both residential and all non-residential, will vary based on water volume usage and meter/service line size.

Staff also analyzed the bill impacts for customers using more than the typical single-family residential customer. For single-family residential customers with consumption of 12 CCF per month (i.e., 24 CCF in a bimonthly billing period), their bill would increase by $7.97 beginning in November 2021, and an additional $8.73 per month beginning in November 2022.

<table>
<thead>
<tr>
<th>Above Average Single-Family Residential Bill</th>
<th>Current</th>
<th>Nov 2021</th>
<th>Nov 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8-Inch Meter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed Charge</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>Volume Charge</td>
<td>$67.44</td>
<td>$73.80</td>
<td>$80.76</td>
</tr>
<tr>
<td>Total</td>
<td>$84.34</td>
<td>$92.40</td>
<td>$101.13</td>
</tr>
<tr>
<td>Monthly Increase</td>
<td>$7.97</td>
<td>$8.73</td>
<td></td>
</tr>
</tbody>
</table>

Similarly, for those single-family residential customers with high consumption of 28 CCF per month (56 CCF in a bimonthly billing period), their bill would increase by $19.67 per month in November 2021, and an additional $21.51 per month in November 2022.

<table>
<thead>
<tr>
<th>High-Use Single-Family Residential Bill</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8-Inch Meter</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed Charge</td>
<td>$16.99</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>Volume Charge</td>
<td>$190.82</td>
<td>$208.88</td>
<td>$228.62</td>
</tr>
<tr>
<td>Total</td>
<td>$207.81</td>
<td>$227.48</td>
<td>$248.99</td>
</tr>
<tr>
<td>Monthly Increase</td>
<td>$19.67</td>
<td>$21.51</td>
<td></td>
</tr>
</tbody>
</table>

Staff also conducted a cost-of-service analysis of the District’s other fees and charges and recommends adjustments to a select number of them. These adjustments are required to maintain the Board’s policy on cost of service.

Staff is also recommending minor adjustments to the District’s other fees and charges largely to offset the effects of inflation. However, because of reductions in the District’s labor costs, the fees associated with installations of meters and services will see a slight reduction. For the service installations, the reduction is approximately 0.5%.

Consistent with the Board’s direction in Resolution 08-21, staff engaged in a customer outreach strategy. This strategy included conducting a series of three virtual open houses where staff answered questions from customers about the proposed increases in water rates. The first two virtual open houses we held on Wednesday, August 11, 2021 (the first from 12:00 noon to 1:30 p.m., and the second from 6:00 p.m. until 7:30 p.m.). The third open house was held on Saturday, August 21, 2021, from 9:30 a.m. until 11:00 a.m.

At its August 18, 2021, regular meeting, the Board held a public hearing to consider changes to water rates as described in the Board’s July resolution (Resolution 08-21). Consistent with Resolution 08-21,
staff collected comments made by the public during the public comment period (i.e., August 11, 2021 through 4:00 p.m. on August 25, 2021) for inclusion in the public record for considering this resolution. The comments received during the public comment period are attached to this staff report as Public Comments During Comment Period. In addition to those comments, staff has collected other information from the public that did not meet the criteria established by Resolution 08-21. That information is also attached to this staff report as Other Public Information Collected.

**Budget Impact:**
The water rates and fees in the proposed resolution are estimated to generate revenue consistent with the District’s approved Financial Plan, six-year capital improvement plan and Adopted 2021-23 Biennial Budget.

**Staff Contact Information:**
Paul Matthews; Chief Financial Officer; 503-848-3017; paul.matthews@tvwd.org

**Attachments:**
Proposed resolution  
Public Comments During Comment Period  
Other Public Information Collected

**Management Staff Initials:**

<table>
<thead>
<tr>
<th>Position</th>
<th>Initials</th>
<th>Position</th>
<th>Initials</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Executive Officer</td>
<td></td>
<td>Customer Service Manager</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Chief Engineer</td>
<td></td>
<td>IT Services Director</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Chief Financial Officer</td>
<td></td>
<td>Human Resources Director</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>General Counsel</td>
<td></td>
<td>Water Supply Program Director</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RESOLUTION NO. 10-21

A RESOLUTION ESTABLISHING WATER RATES AND OTHER SERVICE CHARGES FOR THE TUALATIN VALLEY WATER DISTRICT WITH AN EFFECTIVE DATE OF NOVEMBER 1, 2021.

WHEREAS, a public hearing was held by the Board of Commissioners of the Tualatin Valley Water District on August 18, 2021 to consider increases in water rates and related fees to fund District operations, the purchase of water and capital improvements; and

WHEREAS, notice of the public hearing and its purpose was provided by mailing a notice of the hearing to the customers of the District in accordance with the requirement of Oregon Revised Statutes (ORS) 264.312; and

WHEREAS, based on the recommendations of the administrative staff of the District and the testimony heard, received and considered by the Board from the public hearing, the Board of Commissioners finds that:

(1) It is necessary to adopt fixed and volume rates for water services provided by the District, and related fees and charges, to provide resources to fund the costs of operating the District, fund necessary capital improvements and support the development of new water supplies; and

(2) The adopted budget for the 2021-2023 biennium, six-year capital improvement plan and District Financial Plan identify current and future resources needed to continue implementation of the Willamette Water Supply System and construct improvements to the District’s water system infrastructure for seismic and system reliability purposes; and

(3) The District purchases its water supply for distribution within the District from the City of Portland, Oregon, and, as a partner, from the Joint Water Commission.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COMMISSIONERS OF THE TUALATIN VALLEY WATER DISTRICT THAT:

Section 1: This resolution takes effect November 1, 2021. The rates and charges shown in Exhibit A and Exhibit B, attached hereto and by this reference incorporated herein, are hereby adopted by the District.

Section 2: The District hereby shall make a copy of this resolution available to the public at the office of the District and through other media.

Approved and adopted at a regular meeting held on the 15th day of September 2021.

_______________________________  ________________________________
Todd Sanders, President                        Jim Doane, Secretary
## TUALATIN VALLEY WATER DISTRICT
### EXHIBIT A - WATER RATES

### VOLUME WATER CHARGE:

<table>
<thead>
<tr>
<th>CLASS CODE 1</th>
<th>RESIDENTIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>0-28 CCF (PER BI-MONTHLY BILLING PERIOD)</td>
</tr>
<tr>
<td>BLOCK 2</td>
<td>29+ (PER BI-MONTHLY BILLING PERIOD)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 2</th>
<th>MULTI-FAMILY</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>UP TO 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
<tr>
<td>BLOCK 2</td>
<td>OVER 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 3</th>
<th>COMMERCIAL NON-PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>UP TO 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
<tr>
<td>BLOCK 2</td>
<td>OVER 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 4</th>
<th>PRODUCTION PROCESSES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>UP TO 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
<tr>
<td>BLOCK 2</td>
<td>OVER 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 5</th>
<th>FIRELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>ALL CONSUMPTION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 6</th>
<th>IRRIGATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>UP TO 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
<tr>
<td>BLOCK 2</td>
<td>OVER 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 7</th>
<th>TEMPORARY IRRIGATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLOCK 1</td>
<td>UP TO 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
<tr>
<td>BLOCK 2</td>
<td>OVER 1.4 TIMES 12-MONTH MOVING AVERAGE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CLASS CODE 8</th>
<th>LOCAL GOVERNMENT WATER PURVEYORS</th>
</tr>
</thead>
</table>

Volume charges shall be at contractual rates.

### FIXED CHARGES (FOR ALL CLASS CODES):

<table>
<thead>
<tr>
<th>METER SIZE OR EQUIVALENT SERVICE SIZE</th>
<th>Effective 11/1/2021</th>
<th>Effective 11/1/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8”</td>
<td>$18.60</td>
<td>$20.37</td>
</tr>
<tr>
<td>3/4”</td>
<td>$20.49</td>
<td>$22.44</td>
</tr>
<tr>
<td>1”</td>
<td>$25.25</td>
<td>$27.65</td>
</tr>
<tr>
<td>1 1/2”</td>
<td>$33.93</td>
<td>$37.15</td>
</tr>
<tr>
<td>2”</td>
<td>$50.05</td>
<td>$54.80</td>
</tr>
<tr>
<td>3”</td>
<td>$139.36</td>
<td>$152.60</td>
</tr>
<tr>
<td>4”</td>
<td>$186.73</td>
<td>$204.47</td>
</tr>
<tr>
<td>6”</td>
<td>$300.94</td>
<td>$329.53</td>
</tr>
<tr>
<td>8”</td>
<td>$434.69</td>
<td>$475.99</td>
</tr>
<tr>
<td>10”</td>
<td>$714.95</td>
<td>$782.87</td>
</tr>
</tbody>
</table>

Note: If snowbird customers do not request a service turn-on from the District and there has been movement on the meter, the District will apply fixed charges for the entire 2-month billing cycle.

Private fire services are charged at the service size as determined by the nominal size of the backflow prevention assembly unless otherwise established by the District’s Chief Engineer based on engineering equivalence. For service sizes not listed above, the next larger service size will be used.
# TUALATIN VALLEY WATER DISTRICT
## EXHIBIT B - OTHER SERVICES CHARGES & PENALTIES

**Effective 11/1/2021**

### 1. Water Service on or off at customer's or owner's request
- **a.** First call -- during office hours, Monday through Friday except for snowbird turn off. N/C
- **b.** Leaks or emergencies beyond customer control -- N/C during office hours or after hours or weekends
- **c.** Service on and off, second call during office hours $105
- **d.** Service on and off, second call after hours (an additional) $90
- **e.** All snowbird turn offs $100

### 2. Water Service on and off for non-payment
- **a.** Service on and off, during office hours, Monday through Friday $105
- **b.** After hours or weekend service on and off (an additional) $90
- **c.** Broken promise turn off $105

### 3. Additional charges, if necessary, to enforce payment of bill or charges
- **a.** Removal of meter $195
- **b.** Reinstallation of meter N/C
- **c.** Installation or removal of locking device-first occurrence $105
- **d.** Installation or removal of locking device-second occurrence $120
- **e.** Installation or removal of locking device-third occurrence $230 & meter pulled
- **f.** Repair of breakage/damage to locking mechanism (curb stops, etc.) Time & Materials
- **g.** Service off water at main or reinstating service Time & Materials
- **h.** Check returned by bank for non-payment (NSF) $34
- **i.** Meter tampering and/or using water without authority $60
- **j.** Penalty for incorrect financial institution account information First two times no charge. Charge per incident, third time and above. $25

### 4. Illegal use of water
(tplus water usage billed at current rates)$150

### 5. Illegal use of fire line
- **a.** First occurrence N/C
- **b.** Second occurrence (plus estimated water usage billed at Block 1 rate) $150
- **c.** Third occurrence (plus estimated water usage billed at Block 1 rate) $1,000
- **d.** All subsequent occurrences subject to final remedies determined by CEO or designee on a case-by-case basis per District Rules and Regulations (plus estimated water usage billed at Block 1 rate)

### 6. Decreasing or increasing size of meter
Time & Materials
(plus any applicable system development charges)

### 7. Testing water meters at customer's or owner's request
- **a.** Testing on premises (5/8” – 3/4” – 1”) $195
- **b.** Removal of meter for testing (5/8” – 3/4” – 1”) $420
- **c.** Testing of meters larger than 1” Time & Materials

### 8. Usage of meter key
- **a.** Deposit refundable with key return $25 Deposit

### 9. Removal of meter during construction
- **a.** Removal of meter $195
- **b.** Loss of meter (see Meter & Service Installation Charges) Based on Meter Size
10. Fire hydrant fees
   a. Repair of breakage/damage

12-month fire hydrant permits -- mandatory for fire hydrant usage:
   b. Hydrant permit (tanks ≤500 gallons) $235
   c. Hydrant permit (tanks 501-1499 gallons) $685
   d. Hydrant permit (tanks 1500-2999 gallons) $1,225
   e. Hydrant permit (tanks ≥3000 gallons) $2,420
   f. Off-site tank inspection (does not include permit) $100
   g. Penalty for unauthorized hydrant use (within a 12-month period):
      First offense $1,000
      Second offense $2,000
      Third offense $4,000
   h. Penalty for using non-approved (uninspected) tank (within a 12-month period) $2,000

Hydrant meter fees:
   i. Administrative Fee $535
   j. Daily Fee for 1-inch meter $0.10
   k. Daily Fee for 2-inch meter $0.20
   l. Daily Fee for 3-inch meter $1.20
   m. Hydrant meter deposit (refundable less damages):
      1-inch $500
      2-inch $1,000
      3-inch $2,000

Fire hydrant fees for Clean Water Services:
   n. 12-month fire hydrant permit (plus water usage billed at current Block 1 rate) $135

11. Backflow prevention device testing
   Device testing
      a. Initial test fee per device $110
      b. All subsequent tests are the responsibility of the owner -- to be done annually by a State Certified Backflow Tester of their choice

Gold plan
   Annual fee per device dependent on customer agreement to have the District schedule & perform required annual test. Test performed by District contractor & includes $50 annually in minor repairs to existing device to achieve passing test.

Enforcement fee
   Annual fee per device. Applies if customer hasn’t completed annual test by required date and is scheduled for shutoff. Test performed by District contractor in lieu of shutoff. Fee does not include cost of repairs that may be required.

Service on and off for non-compliance of annual testing and reporting.
   a. Service on and off, during office hours, Monday through Friday $105
   b. After hours or weekend service on and off (an additional) $90
12. Flow testing of fire hydrants
   a. Request for flow test, we have existing information within last 3 years, and no significant changes have occurred. $30
   b. No existing fire flow information. Modeled fire flow is ok. $105
   c. No existing information. Full test is requested. $585
   d. Extended pressure test (if requested as part of full flow test). $720
   e. Extended pressure test without an additional flow test. $485

13. SDC finance contract and recording fee $520

14. Temporary irrigation meter $2,355

15. Public records request fees
   a. Staff time - no cost for first half hour of staff time (rate per hour) $35
   b. Staff time to transcribe a recording (rate per hour) $35
   c. Attorney time for reviewing and redacting records (billed in tenths of an hour) Actual cost
   d. Certified copy service (rate per certification) $5

Photocopies:
   e. Black and white - 8 1/2” x 11” (price per sheet of paper) $0.02
   f. Black and white - 8 1/2” x 14” and larger (price per sheet of paper) $0.05
   g. Color - 8 1/2” x 11” (price per page) $0.05
   h. Color - 8 1/2” x 14” and larger (price per page) $0.15
   i. Data media (e.g., CD or DVD) Actual cost
   j. Mailing and postage supplies Actual cost

Other billing charges
Any other services performed by District personnel for which there is not a fee specified in this Resolution shall be charged at the employee's salary plus the cost of other personnel expenses for the actual time spent on the service (minimum 0.25 hours); plus the cost for materials and District equipment used including overhead rates and any deposits required by the District.

Carrying charges
Bills issued by TVWD which remain unpaid for over thirty (30) days may be subject to a carrying charge at a rate of 9% per year on the unpaid balance.

Fee Waivers
The Chief Executive Officer (CEO) or designee may waive all or a portion of the Other Service Charges & Penalties in Exhibit B if the CEO or designee determines that it is in the equitable and best interest of the District considering the particular circumstances involved in each case.
## TUALATIN VALLEY WATER DISTRICT

### EXHIBIT B - METER AND SERVICE INSTALLATION CHARGES

**Effective**

11/1/2021

### Meter and Service Installation Charges By Meter Size

<table>
<thead>
<tr>
<th>METER SIZE</th>
<th>Subdivision</th>
<th>Service Install*</th>
<th>Refundable**</th>
<th>Meter Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot;</td>
<td></td>
<td></td>
<td></td>
<td>$315</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td></td>
<td>$965</td>
<td>$220</td>
<td>$335</td>
</tr>
<tr>
<td>1&quot;</td>
<td>1&quot; Service Line</td>
<td>$395</td>
<td>$0</td>
<td>$585</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>$3,000</td>
<td>$0</td>
<td>$715</td>
<td></td>
</tr>
<tr>
<td>2&quot;</td>
<td>$3,000</td>
<td>$0</td>
<td>$715</td>
<td></td>
</tr>
</tbody>
</table>

* Per District water system standards all meters to 1" in size require a 1" service line.
** Amount refundable applies only if TVWD is able to install its services before other utilities.

<table>
<thead>
<tr>
<th>METER SIZE</th>
<th>Dig-Ins</th>
<th>Banked Dig-Ins</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Service Install*</td>
<td>Meter Fee</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>$2,405</td>
<td>$315</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>$3,000</td>
<td>$335</td>
</tr>
<tr>
<td>1&quot;</td>
<td>$3,000</td>
<td>$395</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>$3,000</td>
<td>$585</td>
</tr>
<tr>
<td>2&quot;</td>
<td>$3,000</td>
<td>$715</td>
</tr>
</tbody>
</table>

* Per District water system standards all meters to 1" in size require a 1" service line.
All new meters include Automatic Meter Reading (AMR) capability.
Dig-ins are defined as a service tap in an existing main in an existing street.
Subdivisions are defined as undeveloped streets where mains will be installed.
Banked dig-ins are defined as one excavation with more than one service tap.
Fees for Banked Dig-Ins for meters larger than 1" will be determined on a case by case basis by the District’s Engineering Department.
MEMO

Date: September 7, 2021
To: Board of Commissioners
From: Andrea Watson, Communications and Public Affairs Supervisor
                  Paul L. Matthews, Chief Financial Officer
Re: Public Comments Received During Comment Period

Attached are the public comments to be included in the public record as established by Resolution 08-21.
<table>
<thead>
<tr>
<th>Date</th>
<th>Open-Ended Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/24/2021</td>
<td>1. What are the rates for the water purchased from the City of Portland? How much have they increased since 2014? 2. Are the water rates projected to be reduced after the large capital project is completed? 3. I noted that the intake structure is placed near the edge of the Willamette River and a grout system has been installed to protect it. Is the edge (bank) of the river above the intake structure stable?</td>
</tr>
<tr>
<td>8/11/2021</td>
<td>The rate increase is too high! I am a regular worker and I only got 2.8% increase for the Cost of living raises each year for the next 2 years!!!</td>
</tr>
<tr>
<td>8/8/2021</td>
<td>It is not clear how this will affect the overall bill. Will there be a corresponding increase in the rates for the sewer portion of the bill? If so, what is that change? or is that done separately? If it is done separately, then will there be an increase of the sewer charges soon? It would greatly help is under this proposal, people could plug in their own average water usage in CCF amounts and see what their COMPLETE bill will be. The way it is described, obfuscates the overall impact of the rate change.</td>
</tr>
</tbody>
</table>
Talkin’ Water Proposed Rates Question and Answers

Note: Each question was answered in the forum by staff, with some questions also having a typed answer. For the complete answer, you may view the recording. Links to the session recording and time stamps are provided to assist you in locating the content.

Session 1

https://www.youtube.com/watch?v=667L9OS8_ck&list=PLf5z1RuaNH58TEYrUoSaqQu1rgnkL2z9i&index=4

Q: Is your physical and computer security hardening being addressed too? Will any of this price increase be used for the security infrastructure? So what I’m thinking about for physical concerns: how to stop people from contaminating the water reservoirs. For computer security, I’m thinking about these ransomware issues.

A (1:12:30): TVWD invests in cyber security each budget cycle, regardless of projects in flight. The evolution of the District's security footprint is constantly evolving to meet current threats.

Q (1:17:55): No question. . . just appreciate hearing ALL the information. Very interesting! I had no idea about most of this. Thank you

Q (1:18:05): Is this slide presentation available.

A: The recording will be published on YouTube and the slides and a link to the recording on our website. See: https://www.tvwd.org/district/page/talkin-water

Session 2

https://www.youtube.com/watch?v=0frQWhmgXw&list=PLf5z1RuaNH58TEYrUoSaqQu1rgnkL2z9i&index=3&t=3s

Q (1:00:47): Why are the volume rates in cities like Beaverton or Hillsboro so much less than the Water District? For example, the Beaverton volume rate is only 75% of the District's. It would be helpful if the presentation materials included slides explaining how and why rates vary so much.
Session 3

https://www.youtube.com/watch?v=NF4MrQN4plM&list=PLf5z1RuaNH58TEYrUoSaqQuIrgnkL2z9i&index=2&t=3866s

Q (1:04:34): What is the relationship of the Tualatin Watershed Enhancement Collaborative (TWEC) to the Tualatin Valley Water District?

A: Information about Tualatin Watershed Enhancement Collaborative is available on their website at: https://twec-or.org/

Q (1:07:23): You noted that Clean Water Services is distinct from Tualatin Valley Water District. Do you service Banks, or are they independent?

A: Clean Water Services, provides storm and wastewater management. Their website is: https://www.cleanwaterservices.org/

Q (1:08:56): Will you be taking advantage of federal grants to help pay for infrastructure improvements?

Q (1:11:03): What is the salary of CEO & management

A: If you want to have the salary, please put your email or phone number into the chat. We will not share your contact information but will need away to get that information to you. (What is the salary of CEO & management)

Q (1:12:31): Explain bad debt?

Q (1:14:30): I didn't get the higher costs from Portland. What were they?

Q (1:16:32): Will the rate come back to current or near current when all of the projects are done around 2027?
I gave up on trying to view the presentation. Too many sites requiring me to register for an account to log in.

On Aug 6, 2021, at 3:47 PM, TVWD Webmaster wrote:

Please join us to learn more about proposed rate increases. TVWD is considering rate increases that if approved, the average household who uses 7 CCF per month with a 5/8" meter would see a water utility bill increase of $5.32 per month after November 1, 2021 and $5.83* per month after November 1, 2022.

Informational sessions will be held virtually due to COVID-19. Join us to learn more about your water rates, the reasons for the proposed increase, and what we are doing to keep the increase from rising further. Guest Speakers: Chief Executive Officer Tom Hickmann, PE, Chief Financial Officer Paul Matthews, and Willamette Water Supply Program Director Dave Kraska, PE.

- August 11, 12:00 - 1:30 p.m.
- August 11, 6:00 - 7:30 p.m.
- August 21, 9:30 - 11 a.m.

Each session will contain the same content. Please bring your questions!

The Virtual events will be hosted on Microsoft Teams via the web or MS Teams app on a tablet or smartphone. Remember to register for this free event.

*TVWD mailed postcards about the proposed increase. The rate increase proposal would cost an additional $5.83 per month after November 1, 2022. A transposition error was made on the
Thank you for the information... keep me informed. Thank you!

On Fri, Aug 6, 2021, 3:47 PM TVWD Webmaster <webmaster@tvwd.org> wrote:

Please join us to learn more about proposed rate increases. TVWD is considering rate increases that if approved, the average household who uses 7 CCF per month with a 5/8” meter would see a water utility bill increase of $5.32 per month after November 1, 2021 and $5.83* per month after November 1, 2022.

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Please consider not doing this. I know you have lots of reasons but some of us don’t get a cost of living increase every year. Everything is going up and it is getting harder and harder. Please don’t.

Sent from Mail for Windows
In reference to the scheduled price increase, I would hope you take into account the persons who live on a fixed income, and cannot absorb such price increases without impact.
We oppose the increase, and feel it is unfair as there not other choices for water service in the area.
Thank you,
Trudy Thierry

Sent from my iPhone
Good afternoon,

My name is D’Ann Mitchell and I am writing to you regarding the rate increase that is going to take place.

I could literally cry!! I am beyond frustrated at how incredibly high the water rates are.

I am a single mom of five kids and as it is, I barely make ends meet. I work over forty hours a week and still, we are in jeopardy of losing our home because the cost of everything is just going Up, UP, UP!!! I’ve lived here almost seven years and it is absolutely appalling how much my bill had gone up.
PLEASE, PLEASE, PLEASE take into consideration, especially now, as people are hurting so much financially, the extreme stress and anxiety your increases put on people. For a large majority of us EVERY DOLLAR COUNTS!! Please reconsider this large rate increase!!

Sincerely,
D’Ann Mitchell
Sent from my iPhone
Not again
There has to be accountability for why.
Please use the money wisely, do not waste and think that just increasing rates is the only way.
Everyone is struggling to stay afloat.
No more rate increases.

Sent from my T-Mobile 5G Device
To whom it may concern,

My name is Sabrina King. I bought my house in Beaverton in 2013. Every year the water and sewer increases. Recently our communities have faced a lot of increases due to Covid. I’m afraid that our communities cannot take all these increases. The rent the price of housing, groceries, and everything else. This increase in water and sewage is a large increase and it makes it very difficult for families to survive financially. Please reconsider this large increase.

Sincerely,

Sabrina King

Sent from my iPhone
I am opposed to a rate increase. During a pandemic when so many people are under a huge amount of financial strain is not a good time to increase the fee. A smaller increase spread out over 6 years would be kinder to everyone.
Thank you
Charissa

Sent from my iPhone
Mr. Brown-

I appreciate the opportunity to discuss these matters with you by phone. Finding a time that works for both of us may be a challenge. Here is a [link](#) to a doodle poll that might help us coordinate. Please indicate in the poll times that work for you and I’ll do the same. Once we find a common time, I’ll send an email with either a link to Teams meeting or a phone number. Please let me know if you have a preference.

I look forward to our conversation. And thank you for your kind attention.

Regards,

Paul

---

From: Chris Brown
Sent: Friday, August 20, 2021 11:58 AM
To: Paul Matthews
Cc: Andrea Watson; Debbie Carper; Sen.KateLieber@oregonlegislature.gov; Rep.WinsveyCampos@oregonlegislature.gov
Subject: Re: Question Regarding Future Cashflow

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Paul,

I would like to talk with you about the questions asked during the last TVWD Board meeting. Here are all the questions that I asked during that meeting:

- Has this Board ever not approved a rate increase?
- Was the building of the Willamette River Supply approved by the voters of the district?
- Will the rates drop or freeze in 2025-2026 as the capital expenses drop off?
- The rates have increased for about the last 8 years at one of those hearings it was stated that rates would increase for about 10 years this will mark the 10-year point. Is this the last rate increase?
- The development of the land comprising the area of South Hillsboro, Butternut Creek, and completion of Cornelius Pass to Farmington potentially adding 500,000 new residents, business, and civil buildings, and the City of Beaverton pushing to annex Copper Mountain adding more homes than I can count. Why are they not paying most if not all the cost of this project?
The last question I added after driving through the South Hillsboro area. My gut tells me that since you have a monopoly on water service and Oregon law prohibits domestic wells when a property is served by a water district or municipal supplier and needing 100' clear of a sewer line or septic system. I am therefore forced to buy my water from TVWD that the rates will continue on this path will we are paying $100 per month for water and make City of Portland water look cheap. As the district is exempt from PUC regulations I have included my state elected officials in this email to make them aware of what is occurring in the district. And maybe they will start the process to change the rules on your PUC exemption.

Please remove "Value" from the mission statement in your signature that is an insult to us the ratepayers.

Thank you,
Chris Brown

On Thu, Aug 19, 2021 at 6:14 PM Paul Matthews wrote:

Mr. Brown-

Thank you for your question at last night’s public hearing on TVWD’s water rate proposal. I am writing to see if you would like to discuss your question regarding future cashflow further. I provided a quick response last night, but given the virtual format, I was not sure I answered your question entirely.

I do not want to presume that your time is available for these matters. Please let me know if you are interested in following up on your question. If you are interested, we can find a time that is available for both of us to discuss your question by phone.

Thank you for your participation in TVWD’s rate process.

Regards,

Paul

Paul L. Matthews
Chief Financial Officer

1850 SW 170th Ave, Beaverton, OR 97003
direct 503-848-3017 // fax 503-356-3117

www.tvwd.org

Tualatin Valley Water District
Delivering the Best Water • Service • Value
The rate increases for water have been increasing way more than the social security increases. Elderly people are in fixed incomes. Perhaps you need a sliding scale for those that can afford it and those that can't!
Dear American:

This email address will work fine.

The District has held four meetings about the rate proposal. The video recording is available at: https://www.youtube.com/watch?v=NF4MrQN4pIM

The Board will be meeting on September 15 to decide on the rates for the coming two year period. If you would like to participate in the public to be heard, you may contact Debbie.Carper@tvwd.org or call 503.838.3014 by 4:30 pm on September 10.

Andrea Watson
Communications & Public Affairs Supervisor

phone: (503) 848-3012
www.tvwd.org

IMPORTANT: The contents of this email and any attachments are confidential. They are intended for the named recipient(s) only. If you have received this email by mistake, please notify the sender immediately and do not disclose the contents to anyone or make copies thereof.

From: American
Sent: Thursday, August 19, 2021 3:32 PM
To: Board <board@tvwd.org>
Subject: September Board meeting

How would I send written comments to the Board on the upcoming meeting in September? Could I send them to this email address?

Thanks in advance for your help.
MEMO

Date: September 7, 2021
To: Board of Commissioners
From: Andrea Watson, Communications and Public Affairs Supervisor
       Paul L. Matthews, Chief Financial Officer
Re: Other Public Information Collected

Attached is a summary of information regarding the Board’s consideration of the proposed Resolution 10-21. Some of the information includes comments by the public that do not meet the criteria of Resolution 08-21 for inclusion in the public record. However, staff is providing this information to the Board for its consideration.
TVWD proposes to increase water rates in the next two years

For the average household who uses 7 CCF per month with a 5/8" meter, the proposed drinking water utility bill would increase by $5.32 per month after November 1, 2021 and $5.83 per month after November 1, 2022.

TVWD carefully manages the water system and your water rates. Your water rates and charges fund the operations, maintenance and construction, and customer service functions for your water system. All revenues received from rates and charges are reinvested in the water system.

Why are water rates increasing?
- Construction of an additional, seismically resilient regional water supply system.
- Repairs, renewal and replacements of aging infrastructure within the existing water system.
- Costs of purchasing water.

What has TVWD done to keep rates low?

Water rates are increasing to meet water system and water supply needs. To limit increases to the proposed amount, we have:
- Reduced personnel services budget in the current biennium by 2.8%.
- Deferred over $50 million in infrastructure projects.
- Created partnerships with other local water utilities to lower the costs of new infrastructure.
- Pursued federal WIFIA loans with generous finance terms.

SAFE DRINKING WATER PROTECTS PUBLIC HEALTH

- Delivers an average of 21 million gallons of water per day
- Maintains 758 miles of pipe, 23 reservoirs and 13 pump stations
- Invests over $918 million in infrastructure over the next ten years

Learn more at www.tvwd.org/rates
LEARN MORE ABOUT YOUR FUTURE WATER RATES

JOIN US AT OUR ONLINE TALKIN' WATER EVENTS:
- Wednesday, August 11 from 12:00 pm – 1:30 pm
- Wednesday, August 11 from 6:00 pm – 7:30 pm
- Saturday, August 21 from 9:30 am - 11:00 am

Each of these events will have the same content.
Register at tvwd.org/rates.

ATTEND THE WATER RATES PUBLIC HEARING
You are welcome to attend and testify at the virtual public hearing on Wednesday, August 18 at 6:00 pm. If you wish to participate, email Debbie.Carper@tvwd.org or call 503-848-3014 by 4:30 pm on August 12.

Meetings are accessible to persons with disabilities. A request for an interpreter for the hearing impaired or other accommodations for persons with disabilities should be made at least 48 hours before the meeting to the contact listed above.

Other ways to provide input
Online: tvwd.org/rates
Email: board@tvwd.org
Mail: 1850 SW 170th Ave., Beaverton OR 97003
Written comments are accepted until 4:00 pm on August 25 and will become part of the public record.
TVWD’s Board of Commissioners will consider adopting new rates and charges at the regular monthly board meeting on September 15 at 6:00 pm.
<table>
<thead>
<tr>
<th>Date</th>
<th>Comments to be Considered by the Board of Commissioners:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/27/2021</td>
<td>I propose the SDC fees paid by developers increase by the same percentage (9.5%) each year. Why do developers get a lower annual percentage increase (3.3%) annually?</td>
</tr>
</tbody>
</table>
Please join us to Learn More About the Proposed Water Rate Increase. Join us at an information session to learn:

- What your water rates purchase?
- Why rate increases are needed?
- What has been done to keep costs down?

All sessions contain the same content and include a customer question and answer session:

- August 11, 6:00 - 7:30 p.m.
- August 21, 9:30 - 11 a.m.

The events will be hosted on Microsoft Teams via the web or MS Teams app on a tablet or smartphone. Link to details and registration event at: [www.tvwd.org/rates](http://www.tvwd.org/rates) or directly at: [https://www.eventbrite.com/o/tualatin-valley-water-district-19470125474](https://www.eventbrite.com/o/tualatin-valley-water-district-19470125474)

Unable to attend? View session recordings or view slides at: [www.tvwd.org/talkinwater](http://www.tvwd.org/talkinwater)

Proposed Water Rate Increase

If approved, the average household who uses 7 CCF or 5,236 gallons per month with a 5/8" meter would see a water utility bill increase of $5.32 per month after November 1, 2021 and $5.83* per month after November 1, 2022.

The proposed rate increase is about 9.5% for fixed and volume charges.

*TVWD mailed postcards about the proposed increase that included a transposition error. We regret the error and apologize for any confusion this may cause.

Rate Hearing

Customers are welcome to attend and testify at the virtual public hearing Wednesday, August 18 at 6 p.m.

Your input can also be sent online, by email or mail and all feedback is considered. Visit [www.tvwd.org/rates](http://www.tvwd.org/rates) for details.
Last Chance: Final Talkin’ Water Session About Proposed Water Rate Increases.
Join us Saturday, August 21 at 9:30 a.m. for your last chance to learn more and ask your questions about TVWD’s proposed water rate increases. The presentation includes: why rate increases are needed now, what TVWD has done to keep costs down, and how much the increase will cost you each month. The session concludes with an opportunity to have your questions answered.

The event will be hosted on Microsoft Teams via the web or MS Teams app on a tablet or smartphone. Register at https://www.eventbrite.com/e/talkin-water-water-rates-august-21-930-am-tickets-164564574071?aff=sbdsoporgprofila.

TVWD hosted two talking water events on this topic last week. You can view the videos and presentations at www.tvwd.org/TalkinWater. However, we hope you can attend the session tomorrow so you have the chance to ask any questions you may have.

Proposed Water Rate Increase
If approved, the average household who uses 7 CCF or 5,236 gallons per month with a 5/8” meter would see a water utility bill increase of $5.32 per month after November 1, 2021 and $5.83* per month after November 1, 2022. The proposed rate increase is about 9.5% for fixed and volume charges.

*TVWD mailed postcards about the proposed increase that included a transposition error. We regret the error and apologize for any confusion this may cause.

More information is available at www.tvwd.org/rates.

Talkin’ Water: Water Rates August 21, 9:30 a.m.
eventbrite.com
Last Chance: Final Talkin' Water Session About Proposed Water Rate Increases.
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See more...

Talkin' Water: Water Rates August 21, 9:30 a.m.
eventbrite.com

Posted to Subscribers of Tualatin Valley Water District

Like 5 Comments Share 2 5,094 Impressions

Kathy M. • Longacre Park

There is nothing we can do to stop this increase. It has reached the point that we need to start landscaping with only rock and forget about having a lawn, trees, shrubs or... See more
20 Aug Like Reply Share 5

Robin S. • West Haven - Sylvan

My water bill is more than my gas and electric combined most months and their are only two of us and we conserve. We pay for storm water and we aren't even connected.
20 Aug Like Reply Share 6

Bill S. • Huber Park

I pay more for water here than I did in the desert. You run a monopoly and any "input" is meaningless. We should be talking about how to decrease the water rates, especially as... See more
20 Aug Like Reply Share 8

Irina E. • Alta Hill

Seemingly every quarter we get a notice about an impending rate hike that we can't do anything about. This, in region with plentiful clean water that requires minimal treatment!... See more
20 Aug Like Reply Share 8

Jim M. • Cedar Mill

No. That's it enough.
20 Aug Like Reply Share 3

Dear Sumir:
Your comment will be included in the feedback to the Board of Commissioners, but due to community standards
Can we vote the "asshats" out who keep approving these ridiculous increases?

We understand that the large investment in an additional water supply system is frustrating. If you want to reword this to, “Can we vote out the people who keep approving these ridiculous increases?” we will keep the comment active. We value your engagement on the proposal.
Thank you,
Andrea Watson, Communications
andrea.watson@tvwd.org
August 4, 2021

Board Members
Tualatin Valley Water District
1850 SW 17th Avenue
Beaverton, OR 97003

Dear Board Members:
This is a response to your recent postcard regarding the proposed water rate increase. I have a couple of questions, which I hope you will be able to answer, and some thoughts on the issues that influence water rates.

Questions regarding swimming pools: I have noticed that many home pools are drained into the street, and that dirt, often white with chemicals flows directly into the storm drains. What happens to that water before it flows into our rivers? Is it cleaned or are the toxic chemicals filtered out? Should people be permitted to drain their pools and hot tubs directly into the street, or should they be flushed into the sewer line?

Questions regarding infrastructure: Your postcard mentioned that $50,000,000 in infrastructure has been deferred. Will all those projects be included and completed in the first year of your proposed 10-year $918,000,000 expenditures? The $50 million is only a little over half of what one year would cost—if you are completing ten percent of your proposed projects each year. If not, then what is included in the proposed expenditure? Please provide more detailed information on the proposed projects.

Question on Sewer Charges: How is the Base Charge computed? In my case the charge is $60.79. The next line covers Usage Charges and is based on total water usage; however, it does not seem to take into account that most of the water used is for landscape watering and that water never flows into the sewer.

Question on Water Charges: Is the Residential Fixed Charge a minimum amount, even if someone uses no water? Is the Residential Volume the actual amount of water used, and if so, what is the average per person monthly rate in the district?

I think having a better understanding of these fundamental questions will enable people to make more informed comments regarding the proposed rate increase. Perhaps you can answer these fundamental questions and distribute your response to everyone in the district.

Sincerely,

N. N. Yeend

N. N. Yeend
TVWD

I am shocked that you are considering raising water rates at all. I've been a customer for 11mos. This is the most I've ever paid for water/sewer, I have electricity, gas & garbage. Most of the time the TVWD charge is more than the other 3 combined. Significantly more!

I'm not at all happy to see a rate increase.

Jane Costingham
Dear Sirs,

I read that water rates are going up, again.

There are many people who are really pressured by these rising prices. Water, gas, electricity... it's a burden. The rates should not be this high; there needs to be other ways, with longer-term amortization, for your bigger projects - like a Bond.

It should not punish homeowners, if you are unable to get a Bond passed. What is happening now, is the wrong financing model.

Kevin Sinclair
Esperanza Aguillon Sinclair
To whom it may concern,

Here is my feedback to the upcoming price increase.

It would make sense to me that you should provide more incentives to conserve water.

On my bill, the fixed charges amount to 51% of the total charge. You should consider weighing it differently, so that people who conserve more get a bigger break.

As it is currently structured there is no real incentive to conserve water.

Thanks for listening,

Mark

Mark Sommers
Hi,
This is addressing the doubling of the water rates in the last 5 years. I want to know what return on investment is anticipated for the rate payers from all the capital improvements you are doing? I talked to a lady last year and she couldn't tell me that only to mention that the rates in the future maybe lower. It is nice to have a top line system but at what cost? Do we need a seismic upgraded system? Again, that is great in a perfect world but I bet if you did a customer survey and told people it would more than double or even triple their rates I doubt they would go along with it. I get the maintenance cost, operating costs, repair costs etc but, what I don't get is you are spending a ton of money on a capital system project that has no known return on investment? It reminds me of the big dig in Boston in the early 90's. I feel bad for the low income and retired people who are on a fixed income. With no known return on investment you are throwing the rate payers money into a hole. Also, I do believe there is inefficiencies as last year I was billed twice. I called the office and asked why did you send me 2 bills and the person blamed it on the pandemic. This raises concern with me and hurts your credibility as if you can bill me twice for service in a billing period what else is going haywire? I would like an explanation on what kind of return or measurement are the rate payers going to get for spending all this money. Otherwise why do it?
Thanks,
Jay Edwards
You completely avoid telling us the actual rate, quantitatively, all the components of what we are and will be charged if this goes through.

TVWD needs to submit this to our vote. Our bills are too high now, and you're going to raise them without us getting to vote to decide???

We need a board that serves us.

John Herbert

On Fri, Aug 6, 2021 at 4:47 PM TVWD Webmaster <webmaster@tvwd.org> wrote:

Please join us to learn more about proposed rate increases. TVWD is considering rate increases that if approved, the average household who uses 7 CCF per month with a 5/8” meter would see a water utility bill increase of $5.32 per month after
Hi

I don't understand why is this increase in water rates. When I was living in Minneapolis (Minnesota), there was no water charges, anywhere I lived. Considering Minneapolis, it snows most of the time and they have additional work to make sure that water is not frozen and delivered. Later when I moved to Austin (Texas) that was the first time in USA, I heard about water rates. While States like Texas and California, I can understand. There is water drought and less rainfall there. But what is so special in Portland?? Do we have a drought here or scarcity of rainfall. Its raining most of the months here. There are various lakes, snow covered mountains, yet the water rates are very exorbitant as if I was living in California or Texas.

There is very high STATE tax in Oregon and top of it we have to pay all such water rates for a commodity which is available. Instead of giving discount to customers, you folks end up increasing the rates.

Can you please justify clearly what is the purpose of rate increase. Its already very very high for a commodity that is easily available

Thanks
Arun
Dear Kirk:

I’m sorry that information was not included this email. The % information is on our website and it is 9.5% per year.

Your questions are welcome and appreciated. Please consider joining one informational sessions or viewing the recording after, if you are unable to attend in person.

Andrea Watson
Communications & Public Affairs Supervisor

phone: (503) 848-3012

www.tvwd.org

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From: kirk parker
Sent: Monday, August 9, 2021 4:26 PM
To: Webmaster <Webmaster@tvwd.org>
Subject: Re: Learn more about TVWD’s water rate proposal

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Why are we not being told the percentage increase? Is TVWD trying to play with statistics?!

On Fri, Aug 6, 2021 at 3:47 PM TVWD Webmaster <webmaster@tvwd.org> wrote:
Dear Kouri:

I put your questions in bold and the answer below.

**Please provide the percentage of rate increase local businesses in the TVWD district will take on over the next 2 years?**

All customers, residential and commercial are going to have the same rate increase, 9.5%. TVWD’s rates are based on recovering the cost of service. Everyone also pays a system development charge when they install a service and that recovers the capacity cost.

**The TW residents have been supporting the Willamette Water Supply System (WWSS) since 2015 with rate increases between 3.6 to 14.4%. Where is the end of the project and where is the data to support the allocation of rate increases?**

  The project will be completed in 2026. The costs of the Willamette Water Supply Program have been charged to all customers, and the majority of funding for the project is in the form of loans. All customers will share in the repayment of the costs. The financing (loans) are structured so that new customers coming in will pay their share of the new system costs. The **Financial Plan**, has all the data. If you see page 40, the report shows how the rates are currently expected to level off in the future after the project is completed. There are many risks; and those can result in rates greater than projected. If you want to view the presentations that explain the risks, you can view the information session recordings on YouTube. The slides are on the District website.

**Will the project plan be on public display for visibility?**

  The project plan for the Willamette Water Supply is on display at: ourreliablewater.org. You can sign up to receive regular project updates (monthly) on the project.

**What other methods of raising funds or asking for matching of funds raised for this project has TVWD come up with or plans to implement? If none, please explain.**

  The District has pursued all funding opportunities. The WIFIA financing was received. The District is actively pursuing funding opportunities from the recent infrastructure bill and state grants.

Thank you for your interest,

Andrea Watson  
Communications & Public Affairs Supervisor  
phone: (503) 848-3012
Thanks for the reply. I was curious what the % usage between residential and commercial (as opposed to # customers noted below) then compared to unit rate or total revenue.

i.e., Industry and commercial uses 35% of total system wide usage but pays 7% of total revenue. As a result, the increase in costs is disproportionately assigned to the residential user as opposed to closing the gap by assigning a greater increase to commercial (i.e. the necessary improvements in volume may be 90% used by industry, but because of rate structure they only pay for 10% of the improvement). Whereas the existing residential customer usage remains the same and thus is not the primary driver of volume increase needs.

Alan Bean P.E., G.E.
water users who reach Block 2 pay their proportion of the capacity and water costs.

Also at TVWD, all customers: commercial, industrial, and residential, have had the same rate increases. System development charges (SDCs) are also paid by residential and commercial customers, and those are set on the meter size and for industrial customers, the amount of water they use. Those fees range from $10,000 for a single residential meter and can range up to $150,000-200,000+ depending on the water flows they are using. Industrial users estimate their consumption when applying for a new connection. That estimate is used to establish the SDC. Later, our staff confirm their use rates and if they are using more water additional SDC’s are charged when the confirmation of actual is compared to their connection request. SDC’s fees are adjusted annually and recover the capacity costs that are necessary to have fire flow and peak flow service.

The additional water supply is a generational investment, and will serve the region for the next 50-100 years. The financing package for the program will be repaid over 35 years to assure that new customers are sharing in the cost of this investment. If you want the long-term financial picture, which includes the capital spending curve, please see: https://www.tvwd.org/finance/page/financial-plan-0 for the financial plan, which is updated every two years.

Thanks for your interest in water rates,

Andrea Watson  
Communications & Public Affairs Supervisor

phone: (503) 848-3012
www.tvwd.org

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From: Alan Bean, P.E., G.E.  
Sent: Friday, August 6, 2021 3:54 PM  
To: Webmaster <Webmaster@tvwd.org>  
Subject: RE: Learn more about TVWD’s water rate proposal

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Industry should foot the bill as that takes the majority of the water. Seems to me your asking the public to pay for water industry needs.
Please join us to learn more about proposed rate increases. TVWD is considering rate increases that if approved, the average household who uses 7 CCF per month with a 5/8” meter would see a water utility bill increase of $5.32 per month after November 1, 2021 and $5.83* per month after November 1, 2022.