REGULAR SESSION – 7:00 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; Clark Balfour, General Counsel; Paul Matthews, Chief Financial Officer; Dave Kraska, PE, Water Supply Program Director; Andrew Carlstrom, Customer Service Manager; Andrea Watson, Communications and Public Affairs Supervisor; Mark McConnell, Facilities Maintenance II; Katherine Lipari DeSau, Executive Assistant

REPORTS BY THE CHIEF EXECUTIVE OFFICER AND MANAGEMENT STAFF

Mr. Hickmann noted a lack of Cryptosporidium detections in Bull Run water over the past month and described two open house events, recent system optimization efforts, Farmington Road and Barnes Road pump station project updates and the upcoming CEO schedule. He also presented TVWD’s Savvy Award from the City-County Communications & Marketing Association (see attached memo).

Mr. Kraska presented the safety minute on the Great Shakeout earthquake drill. He then provided an overview of the Willamette Water Supply Program’s Water Supply Integration Project, including the project description and goals, participants, integration process, schedule, current activities and next steps (see attached presentation). In response to questions, Mr. Kraska conveyed that CDM Smith is the project consultant, and the Blue Ribbon Panel consists of national experts with public health, water quality and water treatment expertise.

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.

1. CONSENT AGENDA

A. Approve the September 18, 2019 regular meeting minutes.

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

2. BUSINESS AGENDA

A. Consider adopting Resolution 27-19, a resolution approving the Intergovernmental Agreement (IGA) Between Tualatin Valley Water District, the City of Wilsonville and the Willamette Water Supply System Commission for the Raw Water Facilities Project (RWF_1.0). Staff Report – Clark Balfour

Mr. Balfour explained the Raw Water Facilities Project and presented the site plan. He conveyed that the proposed intergovernmental agreement defines the work to be done, establishes the obligations of the parties and includes park restoration and Water Infrastructure Finance and Innovation Act (WIFIA) compliance provisions. As property co-owner, TVWD is a party in order to consent to the project. TVWD’s primary project role is that of Managing Agency of the Willamette Water Supply System (WWSS) and Willamette Intake Facilities (WIF). In response to a question, staff confirmed that the black line in the title block is the scale, and the site plan, as presented, is an accurate depiction.

Motion was made by Duggan, seconded by Doane, to adopt Resolution 27-19, a resolution approving the Intergovernmental Agreement (IGA) Between Tualatin Valley Water District, the City of Wilsonville and the Willamette Water Supply System Commission for the Raw Water Facilities Project (RWF_1.0). The motion passed unanimously with Bagnall, Doane, Duggan, Sanders and Schmidt voting in favor.
3. INFORMATIONAL PRESENTATION

A. Update on 2019-21 Biennial Budget. Staff Report – Paul Matthews

Mr. Matthews provided an update on the District’s budget. He highlighted the unfavorable variance in revenue, use of District reserves and current and anticipated expenditure variances including:

- WIFIA-required credit rating expenditures attributed to 2019-21 as opposed to the 2017-19 budget;
- Lobby remodel and safety improvements (approximately $200,000 more than budgeted);
- Replacement of meter sales program (approximately $150,000; upgrade needed for the Customer Information System Project); and
- Staff training and WWSS communications strategy budget (approximately $150,000).

Mr. Matthews explained that the District has adequate appropriations to cover the above noted expenses; however, a supplemental budget may be needed in the future. In response to questions, staff noted that the lobby remodel will occur February and March 2020; the total expense is approximately $300,000.

Commissioner Doane broached the concept of green tags to offset carbon dioxide emissions. He may present this item as a future Commissioner topic.

ADJOURNMENT

There being no further business, President Bagnall adjourned the meeting at 7:37 p.m.

__________________________  __________________________
Bernice Bagnall, President       Todd Sanders, Secretary
MEMO

Date: October 16, 2019
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** – There were no reported detections of *Cryptosporidium* oocysts in water samples collected from the Bull Run Headworks during the past month.

2. **Open House Events** – Last week, TVWD held two publicly advertised open house meetings for separate projects. The first was to let neighbors know about the upcoming pipeline project in the Metzger area. This pipeline will increase the fire flow capacity between the Taylors Ferry Reservoirs, south to 68th and Atlanta, and is known as the Metzger North-South pipeline project. It is anticipated to bid later this fall with construction beginning in the spring. The second event was an open house for neighbors of the Grabhorn Reservoir. This event was well attended, with between 30 and 40 attendees. Neighbors were led on tours of the ASR facility and the Valve House on-site. They were impressed with the steps the District has taken to make the facility seismically resilient and the planning that has gone into emergency response.

3. **System Optimization** – Engineering and Operations are working with Murraysmith and Optimatics to utilize new modeling tools to optimize the way Cooper Mountain is operated and to look at potentially different ways of routing water in that area.

4. **Farmington Road Pump Station** – Engineering has begun design activities for the Farmington Road Pump Station and pre-design activities for the Generator/Center St facility. These projects have direct ties to operating the Willamette Water Supply System.

5. **Barnes Road Pump Station** – Pipeline work is beginning on Barnes Road as part of the Barnes Road Pump Station project.
6. **CEO’s Schedule** – I will be attending the Association of Metropolitan Water Agencies’ 2019 Executive Management Conference, in Newport, Rhode Island, October 20-23. Paul Matthews will be acting in capacity (AIC) for the CEO Monday, October 21. Clark Balfour will serve as AIC, starting Tuesday, October 22 until I return to the office, sometime on Thursday, October 24.

7. **Savvy Award** – Tualatin Valley Water District has been honored with a first place Savvy award from the City-County Communications & Marketing Association (3CMA) for our “Game of Seasons: Winter Prep Tips” public service announcement, population 151,000 and up. This award will be on display in TVWD’s lobby. Thanks again to our staff and TVCTV who made this award possible.

8. **Safety Minute** – David Kraska, Willamette Water Supply Program Director, will present the safety moment this evening.

9. **Department Report** – David Kraska will present the department report this evening.
What is the Water Supply Integration Project

- WSI plans the integration of the WWSS
  - Prepare existing systems to receive water from the WWSS
  - Integrates with the WTP_1.0 design project
  - Identify potential need for distribution system modifications
  - Protect public health through and after transition to new supply
- Uneventful integration is key to overall WWSS success
Water Supply Integration Project Goals

- Establish finished water quality
- Assess compatibility and blending
- Define system preparation needs
- Develop the integration schedule

Outside Experts
Inform Integration Plan

- WWSP’s Subject Matter Experts
- Confluence Engineering Group
- Blue Ribbon Panels

Incorporate the new water supply seamlessly and safely

A Broad Group is Engaged in the Water Supply Integration Project

- WWSP Staff
- Confluence Engineering Group
- TVWD, Hillsboro, and Beaverton water quality and operations staff
- Blue-Ribbon Panel

Confluence’s Local Experience

- Willamette Water Supply Blending Study (Hillsboro, OR)
- JWC WTP Iron and Manganese (JWC)
- Corrosion Control, ASR Source, and Water Age Assessment (Beaverton, OR)
- Optimized Corrosion Control Study (Portland Water Bureau, OR)
- Implementing Bull Run Filtration (Portland Water Bureau, OR)
- New Source Water Integration Plan (Tigard, OR)
Water Supply Integration Process

- Understanding the existing systems and supplies
- Performing blending analyses
- Performing chemical equilibria modeling
- Reviewing main cleaning practices
- Combination of bench-scale tests and field trials
- Chlorine demand/decay and DBP testing
- Flushing trials or other main cleaning tests

Treatment Plant and Integration Schedule

- Water Supply Integration
- Review deliverables
- Blue Ribbon Panel
- Testing Plan
- Integration Plan
- WTP Construction
- System-wide Startup and Commissioning
- 2019 2020 2021 2022 2023 2024 2025 2026
## Current Activities and Next Steps

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<th>Current Activities</th>
<th>Upcoming Milestones</th>
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<td>• Distribution system hydraulic modeling</td>
<td>• 2020 Blue Ribbon Panel – July</td>
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<tr>
<td>• Computerized water quality modeling</td>
<td>• 2021 Blue Ribbon Panel – April</td>
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<tr>
<td>• Determining testing needs</td>
<td>• Integration plan complete mid-2021</td>
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<td>• Planning for Blue Ribbon Panels</td>
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**THANK YOU / QUESTIONS**
Resolution 27-19
IGA for Willamette Water Supply Program
Raw Water Facilities

Clark Balfour
General Counsel
### Report of Meetings Attended

#### Commissioner Jim Doane

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<thead>
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<th>Meeting or Function</th>
<th>Purpose</th>
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\[\text{Signed and approved}\]

**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

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<td>Sen. Morkley &amp; WWSP Celebration</td>
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Date 16 Oct 2019

Date 10/4/2019

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# Tualatin Valley Water District

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**Commissioner Dick Schmidt**

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**Commissioner Bernice Bagnall**

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