

**TVWD Long-Term Water Supply Planning
Technical Memorandum 5 – Public Outreach and Feedback**

To: TVWD Board of Commissioners
From: Jim Meierotto, Tualatin Valley Water District
Todd Heidgerken, Tualatin Valley Water District
Date: April 10, 2013
RE: **Technical Memorandum 5 – Public Outreach and Feedback – *FINAL***

1.0 INTRODUCTION

The Tualatin Valley Water District (TVWD or the District) initiated an outreach program that used a variety of tools to provide customers with an opportunity to learn more about the District, its water supplies and the options under consideration to meet the District’s long-term needs. In addition, information about the decision making process and how the public can provide feedback to the District Board was also provided. The purpose of this memorandum is to summarize public outreach activities and share the feedback received from customers and employees. It should be noted that this summary only includes feedback up to April 10, 2013. Additional outreach efforts or emails after April 10 will be submitted to the TVWD Board of Commissioners separately.

2.0 OUTREACH PROCESS

The goals of “Your Reliable Drinking Water Future” public outreach efforts were to create awareness and gather feedback. This was accomplished by reaching out to individual customers, organizations and businesses as well as hosting events at the District. The District Board and staff remained available and flexible to provide information in a manner that meets our customers’ needs. The District’s initial efforts focused on sending out invitations that informed the invitee of the District’s efforts and offered to provide a presentation or briefing. After invitations were sent, staff followed up with targeted and personalized customers who did not initially respond. Customers, businesses and organizations were broken into three types of audience groups. This allowed increasing levels of communication to critical customers and organizations while still making contact with the general public. The three groups were as follows:

- General audience: This group included all District water customers and interested groups, such as Chambers of Commerce, Rotary Clubs, homeowners associations and water management groups. The District’s focus was to make sure that they were aware of our conversation regarding “Your Reliable Drinking Water Future” and knew how they could learn more and provide feedback. This was accomplished by the following:
 - Articles in the District’s *Water Words* newsletter. Articles were included in the November/December issue “Your Reliable Water Future” and “6 Things you Need to Know” and the January/February issue “A Portfolio of Water Sources.”
 - Long-Term Water Supplies Website. Information regarding the District’s efforts, separate web pages for each of the water supply options and a directory of all of the materials presented to the Board were made available on TVWD’s Website.

- Press releases were used to inform the media of the District's efforts and to advertise two open houses hosted by the District. Paid advertisements were also used to promote attendance at the open houses.
- Targeted audiences: This group included Citizen Participation Organizations (CPO), businesses and other groups who might be able to help the District in creating awareness. We wanted to make sure this audience was approached with information about the District's efforts because their members reach a broad spectrum of interests in our community. This group received:
 - An invitation and literature on water supply efforts. The invitation expressed our interest in either meeting directly with them or participating in a meeting that they already had scheduled. We stressed our availability in providing information in a manner that best meets their needs.
 - A follow up contact was made if they failed to respond to the initial invitation.
 - Information highlighting the availability of materials on the TVWD Website.
- Personalized audience: The approach for this group was to set up meetings with individual stakeholders to make sure that they were familiar with the District's efforts. We also stressed our interest in meeting directly with them to present information and answer questions. This group was largely comprised of our large business and government customers. This group received:
 - A personalized letter to specific stakeholders requesting an opportunity to meet.
 - A follow-up contact if they failed to respond to the initial invitation.

Staff is continuing to follow-up with targeted and personalized stakeholders.

Comments regarding the options were collected at events and meetings through either staff note taking or the submittal of feedback forms. Feedback was also submitted using the TVWD Website Water Supply link at tvwd.org/your-water/long-term-water-supplies or by emailing the District. Staff also remained available to provide information and answer questions by phone.

3.0 MEETING ANNOUNCEMENTS AND EVENTS

Substantial effort was taken to publicize the community meetings using a mix of marketing tools. Meeting notices and invitations included:

- *Water Words* utility bill newsletter
- Business Industry and Government Newsletter
- Meeting announcement cards dispersed in the front office kiosk and front desk
- Website notices (tvwd.org)
- Press releases sent out and one press release was run in the Oregonian
- One-on-one interview with local reporter
- Two newspaper ads (Oregonian's Washington County Section)
- 354 Invitation postcards and personalized letters were mailed
- Email and phone call follow up with customers and public groups

Open Houses: The District conducted two Open Houses. The first was held on Wednesday, January 23 and the second on Saturday, March 2 at the District Headquarters. The format included a presentation and three “stations” highlighting information about the District and the water supply process. Attendees were encouraged to complete feedback forms and ask questions. Participation at the January and March open houses as well as feedback forms are listed at the end of this document in Appendix 1.

Business Breakfast: Modeled after efforts by other utilities to reach out to non-residential customers, TVWD staff organized a BIG (Business, Industry and Government) Breakfast presentation. During the meeting, participants heard a presentation and had an opportunity to ask questions and provide feedback. Feedback forms are listed at the end of this document in Appendix 1. Participants included:

- Intel
- Providence St. Vincent Hospital
- Tualatin Valley Fire and Rescue
- Beaverton School District
- KG Investment Management
- Tektronix
- Office of Consolidated Emergency Management

4.0 SCHEDULE

In addition to the three events mentioned above, TVWD staff and members of the Board met with various customers and groups. Through April 10, TVWD made the following presentations:

- Met with all TVWD employees during monthly department or crew level meetings (December and January)
- TVWD Open House (January 23)
- TVWD Business Breakfast (February 5)
- TVWD Open House (March 2)
- Thirteen presentations were given, during the period of January 1 through April 10 to businesses and organizations. Those receiving presentations included:
 - Water Managers Advisory Board Meeting
 - Washington County Public Affairs Forum Meeting
 - Westside Economic Alliance
 - Willamette River Water Coalition
 - Oregon Health and Science University West Campus
 - Beaverton School District
 - Tualatin Valley Fire and Rescue
 - Intel
 - Tualatin Valley Fire and Rescue (TVF&R). This was a meeting with TVF&R managers and division chiefs
 - CPO3
 - CPO4M

- CPO6
- Five Oaks Triple Creek NAC
- Portland Water Bureau Leadership Staff (four attendees)

- Board outreach efforts included:
 - An announcement by Commissioner McWilliams to the Washington County Democratic Party during their central committee meeting on February 27. There were about 80 people present. As a result, the Washington County Democratic Party sent out an email blast to encourage people to attend the TVWD Open House.
 - Commissioner Doane presented the supply options information to a dozen members of Bethel Congregation Church.
 - A brief announcement was provided by Commissioner Schmidt during the Aloha Business Association March meeting. The water supplies materials were also provided and TVWD staff attended the meeting to answer questions. Approximately 40 people were in attendance.

In addition to the various outreach efforts, there were six public TVWD Board Work Sessions held that included presentations regarding the water supply planning. These meetings were held on May 8, 2012; July 10, 2012; September 4, 2012; October 2, 2012; November 8, 2012; January 8, 2013; March 5, 2013; and April 2, 2013.

In keeping with the objective of the outreach efforts, we have been successful in making contact and scheduling meetings with a number of our stakeholder groups. More specifically, we have met or scheduled the following:

- General audience: Water Managers Advisory Board Meeting, Rotary Club of Beaverton, Water Managers Advisory Board.
- Targeted audience: Aloha Business Association, Washington County Public Affairs Forum, CPO4M, CPO6, CPO7, CPO3, West Side Economic Alliance, Kaiser Permanente Westside Hospital.
- Personalized audience: Beaverton School District, Tualatin Valley Fire and Rescue, Providence St. Vincent, Intel, Maxim Integrated Products, Tektronix, Willamette River Water Coalition, Oregon Health and Science University West Campus.

5.0 FEEDBACK FORMS AND COMMENTS

Questions and comments were collected from feedback forms and question and answer periods during meetings. Comments from the meetings were either provided from feedback forms that were submitted or recorded by staff through the note taking of all the oral comments and questions asked by participants. This information is organized by event and the materials are provided in an unedited form in Appendix 1. Please note that this feedback is from events through April 10.

6.0 ADDITIONAL SCHEDULED ACTIVITIES

Staff continues to conduct outreach through April 24 and feedback will be provided to the TVWD Board of Commissioners separately. As of April 10, the only scheduled public presentation is the TVWD Board Meeting on April 24.

Appointments with Nike, Tualatin Hills Parks and Recreation District and Reser's Fine Foods were pursued. Contacts with these entities were made, but no meeting dates were scheduled.

7.0 EMPLOYEE FEEDBACK

Our TVWD employees are our first line of communication with our customers and the public in general. Having educated employees is crucial in accurately and professionally communicating our water supply process. We met with the TVWD department or crew meetings to provide an individual setting for employees to ask questions. These meetings were in the months of December and January.

Based on the experience the City of Hillsboro went through, we also thought it would be helpful to conduct a survey of our employees on the water supply options and gain their insight. In order to do this, a survey was distributed at the February all employee meeting for staff to complete and then deposit in comment boxes located in the front and back lunchrooms. This provided an anonymous way for those employees who wanted to, to provide feedback of the water supply options. Employee feedback is presented in an unedited form in Appendix 2.

APPENDIX 1

-----Original Message-----

From: ms.jdstaton@frontier.com [<mailto:ms.jdstaton@frontier.com>]

Sent: Thursday, December 13, 2012 2:58 AM

To: Water Supply Options

Subject: Supply Options Web Site Inquiry

A visitor of your website has filled out your contact form at 02:58 on 12/13/2012

Name: Janiece Staton

Email: ms.jdstaton@frontier.com

Message: It is disturbing, to me, to hear that TVWD is even considering using water from the Willamette River, when reviewing future water resource options. That river is polluted and has been for decades. There is NOTHING being done, at present, to clean it up nor to maintain water purity. All manner of storm water runoff is routinely dumped into that waterstream and there's NO WAY I want to be drinking any of that trashed fluid, let alone bathing in it!

I have similar concerns about the groundwater purity surrounding the Scappoose area. It's hardly a locale noted for maintaining high ecological standards, on ANY level. Who knows what kinds of poisoned, polluted garbage has been left to seep into the soil and water resources within that area? Having provided extensive health care services to that portion of the state, I'm clear that the majority of people there haven't even yet learned to wash their hands after toileting, let alone concerned themselves with water purity or soil preservation! Most of them wouldn't think twice about dumping toxic and hazardous waste products anywhere and everywhere, since waste collection services are still primitive and far from any degree of "environmental sensitivity". I have grave concerns about what level of water quality could be obtained from "groundwater" sources there.

The City of Portland, on the other hand, has a long history of maintaining high water quality and protecting the watershed locales which supply its area residents with their water. To me, it's a reliable, trustworthy resource for TWVD to utilize, both in the short and long-term. As such, it's my first choice for maintaining long-term water resources to this area. I believe that COST is not the SOLE issue to look at, in terms of long-term water supplies. The QUALITY of water is of much GREATER concern, to me, than mere "cost-shifting" low grade water, due to some delusional sense of saving someone, somewhere some money. Poor quality water will, ultimately, lead to higher medical expenses for every person involved and that's NOT a negotiable issue, for me. I've seen leaders in this state take all manner of "short cuts" with the health, safety, and well-being of area residents and I'm TIRED of watching the very predictable negative consequences of that pattern!

The TVWD power point presentation about the various future water supply options appears incomplete and biased, to my eyes. There are significant pieces of missing information which leave me skeptical about the accuracy and transparency levels involved in that process.

-----Original Message-----

From: oregonmom3@yahoo.com [mailto:oregonmom3@yahoo.com]

Sent: Thursday, January 10, 2013 4:00 PM

To: Board

Subject: Web Site Board of Commissioners Inquiry

A visitor of your website has filled out your contact form at 16:00 on 1/10/2013

Name: TVWD Commissioners

Email: oregonmom3@yahoo.com

Message: I urge you to be more transparent on water supply initiatives for the future. It is no secret that there has long been a TVWD preference for running a pipeline to Wilsonville. But that's not in the best interest of Washington County families.

I hope you'll consider taking your case to the media where it can be discussed in the sunshine.

Have you considered having panels where those opposed to drinking Willamette Valley water can explain why?

Clare Perry

**Comments from the March 5, Tualatin Valley Fire and Rescue Meeting at
1945 SW 70th Ave, Tigard Oregon**

- What is our revenue stream? Is it from customer bills or other things like taxes?
- Federal cost sharing for TBWSP – more details on that?
- How much will the new SDC charges impact rates?
- What is annual revenue?
- Is sewer included in this project?
- If we go with the Willamette and Hillsboro, will that create a more popular choice for other water providers and increased withdrawal from the Willamette?
- Do all water supplies use electricity to move water? Gravity is important to TVF&R in a disaster over depending on electricity.
- Where was the cost savings of the Willamette over others? Rates will more than double for TVWD – do we expect our other providers in the region to also have the same rate increases?



Your Reliable Drinking Water Future

Tualatin Valley Water District (TVWD) is in the midst of an important planning and decision process to determine the best mix of options for the District's future water supply portfolio. TVWD has enough water for today—but needs to take steps to have enough water to meet future demands. Projections show the District's population will increase by 82,000 people by 2042.

TVWD's portfolio of drinking water supplies already includes the Tualatin/Trask watersheds, water purchased from Portland, and an aquifer storage and recovery (ASR) well. All of these supplies will continue to provide water for the foreseeable future.

Additional options being explored for long-term development include increased storage at Hagg Lake, groundwater wells along the Columbia River near Scappoose, use the mid-Willamette River at Wilsonville, and purchasing more water from Portland.

1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: *the highlighted benefits do not seem worth the expense and no redundancy.*
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: _____ Email: _____

Address: _____

Thank you!

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Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: WHY CAN'T YOU DEEPEN LAKE AS
OPPOSED TO BUILDING BIGGER DAM?

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: _____

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- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.twwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@twwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): cost is significantly lower.

Purchase more water from Portland: _____

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

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Thank you!

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- Another value: Flouride - ~~yes~~ - I like it. I received it now

Learn More www.tvwd.org/your-water/long-term-water-supplies

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: I like that you are diversifying your sources

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Debra Guzman Email: Debra.Guzman@tvwr.com

Address: 8075 SW 187th Ave Beaverton OR 97002

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

**Comments from the March 14, Aloha Business Association Meeting at
The Peppertree Restaurant in Aloha, Oregon**

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**Comments from Commissioner Doane
Supply Presentation to Bethel Congregation Church UCC, 5150 SW Watson, Beaverton, Or,
97005**

Commissioner Doane presented water supply options to a dozen members of the Bethel Congregation Church. They asked a few questions and they all thought that the Willamette project was the best of the four. They were happy that we were going to maintain Metzger's fluoride free status. We also talked about seismic issues.

Employee Feedback

Months of December 2012 and January 2013

TVWD Weekly Department Meetings

Managers met with every TVWD employee at their weekly department meetings during late December and January. These are the questions and feedback they provided. This should outline what staff is thinking and what is important to them in the water supply planning process.

- Is Beaverton involved?
- Treatment plant at Wilsonville expansion details.
- Water quality of the Willamette and won't we see customer pushback?
- I fish a lot in Wilsonville – don't eat the fish.
- Has Hillsboro picked an option?
- Why didn't seismic issues get caught the first time around on the TBWSP?
- What happens to Hillsboro if we don't partner?
- Concerns were voiced over Portland water treatment. Crypto, vulnerability to Bull Run, increased future treatment and infrastructure costs.
- There was Willamette routing issues of the new pipe in 2007. Are there still issues?
- Is Citizen for Safe water still around?
- How is the Willamette water quality?
- Is there enough water for all users on the Willamette? Are there significant environmental impacts with drawing water from the Willamette?
- Water Quality of the Willamette option and pesticides from farming?
- Is there still a vote required by the public to go to the Willamette?
- Do we have an idea of which direction the Board will go?
- How is the public viewing the Willamette? Last time we had the anti-Willamette groups.
- If we go to the Willamette, who will operate the plant?
- Does Hillsboro have water rights on the Willamette?
- Is Barney Reservoir federally owned?
- What if the City of Beaverton wants in after we built the Willamette option or tries to annex in something? In reference to the Jenkins Rd incident.
- What has Hillsboro's experience been?
- The Board previously committed to go to public vote for the Willamette option. How do we as employees answer that question from the public?

- Is the Willamette a controversial issue like it was last time (2007)?
- More explanation of the timing of the Portland contract.
- Can the State get involved to make PWB play more fair, by re-defining the Bull Run water rights to a more regional water right.
- Would PWB give us a better contract now that they see the writing on the wall that we are leaving? If so how would that affect which option we go with?
- In regard to the vote: People have their minds made up and those people may want to just pay extra for a different source at a premium rate.
- Water Quality with the Northern Groundwater and pollution concerns?
- What was the 2007 decision? We weren't all here for that. Did seismic concerns come out of that process?
- If we go with the mid Willamette option and partner with Hillsboro, would there be other municipal partners?
- Willamette water rights, do we have enough water in the river for us to pull off of it?
- What about environmental issues of drinking water from the Willamette? What is the water quality of the Willamette?
- Do we want to let customers know this is a Board decision?
- What outreach have we done so far?
- Expect large portions of calls will come in when rate impacts come out. Have we addressed this?
- When will a Board decision be made?
- Will the Board be at public outreach events?
- Questions on internal logistics like, where do emails go, how to transfer calls, etc.

Washington County Public Affairs Forum

January 28, 2013

Around 35 in the audience, Commissioner McWilliams, Commissioner Doane, Commissioner Schmidt, Greg DiLoreto, Todd Heiderken, Mark Knudson and Jim Meierotto

Old Spaghetti Factory, Hillsboro, Oregon

- There are underground cisterns in other areas of the country. Why don't we do more in underground cisterns?
- TVWD has a \$300 million dollar budget for improvements; can you explain more on that?
- What is the risk to the current water system in regards to the Big Quake?
- Political risks of getting more water rights? Explain.
- Can you explain backflow requirements for homeowners?
- Does TVWD have one ASR and more explanation of ASR.
- Columbia river – how would you deal with the industrial waste and expected and unexpected pollution?
- In regards to the past contaminations of the PWB supplies and Tigard boil water notice, how has that affected TVWD and how may it affect us in the future?
- Cost of regulation of the government and what figure do you think that costs us in this project?
- 15 scientifically credible projects. Can you explain what these are? (not sure of this question)
- We have lost the history of Oregon records around the 1,700's but we know seismic concerns have always been a big deal in our area. What is government doing to prepare?

Tualatin Valley Water District



Your Reliable Drinking Water Future

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Additional options being explored for long-term development include increased storage at Hagg Lake, groundwater wells along the Columbia River near Scappoose, use the mid-Willamette River at Wilsonville, and purchasing more water from Portland.

1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
- Other: work for Tualatin Riverkeepers

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: Water reclamation. Using treated effluent from Clean Water Services.

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: Will Bureau of Reclamation support this?

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Reduce summer demand for landscape irrigation

To keep updated on TVWD water supply planning:

Name: Brian Wegener Email: brian@tualatinriverkeepers.org

Address: 11675 SW Hazelbrook Rd. Tualatin, OR 97062

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

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Tualatin Valley Water District



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- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
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- Collaborative, cost-saving partnerships
- Another value: Redundancy & Resiliency for climate change

Learn More www.tvwd.org/your-water/long-term-water-supplies

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): *No more studies here - get the details: Costs, Reliability, etc*

Mid-Willamette River (in Wilsonville): *Good Reliant Source,*

Purchase more water from Portland: *Relationship Issues - work them out.*

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: *Costs, Seismic Concerns, Supply Reliability (Pump Back Requirements)*

Northern groundwater wells (near Scappoose): *See Above*

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: *Work out exchanges with other users (Hillsboro, Park, Beaverton, Tigard, etc.)*

Another source: *do share most economical splits between all users*

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: *Ron Garst* Email: *shadycreek2@frontier.com*

Address: *Sherosod, OR 97140*

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

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- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: 1st

Northern groundwater wells (near Scappoose): 4th

Mid-Willamette River (in Wilsonville): 2nd

Purchase more water from Portland: 3rd

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: higher option

Northern groundwater wells (near Scappoose): lower option

Mid-Willamette River (in Wilsonville): higher option

Purchase more water from Portland: lower option

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

continue conservation!

To keep updated on TVWD water supply planning:

Name: April Olbrich Email: trwd@easystreet.net

Address: 17960 SW Kinnaman St, Aurora, OR 97007

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

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- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

*Columbia
Sound Shore?*

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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: *too costly & not reliable*
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): *good water*
- Purchase more water from Portland: *we do this already & it works*
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: *Marthy Moyer* Email: *moyermartha@gmail.com*

Address: *16638 NW GRAF ST. PDX 97229*

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Jim Meierotto

From: Mark Knudson
Sent: Tuesday, February 05, 2013 5:49 PM
To: Jim Meierotto
Cc: Todd Heidgerken
Subject: FW: WATER SUPPLY PRESENTATION

Follow Up Flag: Follow up
Flag Status: Flagged

For the comment file.

Mark

From: Mark Knudson
Sent: Tuesday, February 05, 2013 5:48 PM
To: 'Porter, (Norman) Scott'
Subject: RE: WATER SUPPLY PRESENTATION

Thanks, Scott – I've heard your name many times in conversation and it's nice to put a face with the name.

I appreciate your support of our efforts – you obviously picked up on how our water supply decision can become the "backbone" of the District's strategy for enhanced seismic resiliency. I look forward to working with you in the future.

Mark Knudson, P.E.
Chief Engineer
Tualatin Valley Water District
1850 SW 170th Av
Beaverton, OR 97006
direct: 503-848-3027
mobile: 503-969-4826
fax: 503-356-3127

From: Porter, (Norman) Scott [<mailto:scott.porter@tvfr.com>]
Sent: Tuesday, February 05, 2013 5:43 PM
To: Mark Knudson
Subject: WATER SUPPLY PRESENTATION

Mark....

Nice meeting you this morning. I enjoyed your presentation....very well done and very educational for me. Over the many years I've been doing my job, I've had the pleasure of working with Dale Fishback and Neil Kennedy to coordinate our plans. I look forward to continuing that relationship as you develop your preferred supply option(s).

Thanks for breakfast!!

Scott Porter, Director
Office of Consolidated Emergency Management
20665 SW Blanton St.
Aloha, OR 97007
(503) 259-1171
scott.porter@tvfr.com

From: Kim Schoenfelder [mailto:kschoenfelder@kginvestment.com]
Sent: Tuesday, February 05, 2013 1:31 PM
To: Greg DiLoreto
Subject: Comments

Hi Greg,

It was a pleasure to meet you today. I enjoyed visiting with you and learning about TVWD's future water supply plans and options. I enjoyed Todd's presentation and knowledge about our region's water issues as well. Most of all, I enjoyed seeing Stu (and Steve) again! Steve mentioned TVWD is contemplating a key customer support team. I love the idea. I am a key customer of PGE and value the relationship. I'm sure you realize you have a great group of employees who are always helpful and pleasant. I always feel like a key customer when dealing with your team!

Attached please find my comments from today's meeting. I must say with the information I heard today, I would support building infrastructure from Willamette River to serve the district's growing water needs.

Please feel free to contact me if I can be of further assistance.

Best regards,

Kim Schoenfelder
Project Director
KG Investment Management
1915 NW AmberGlen Parkway, Suite 365
Beaverton, OR 97006
(503) 748-0454 Direct
(503) 748-0460 Fax
(503) 572-8128 Cell

Tualatin Valley Water District



Your Reliable Drinking Water Future

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- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
- Other: DO EMERGENCY PLANNING IN COOPERATION WITH THE DISTRICT

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: REDUNDANCY / SURVIVABILITY

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District


3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: _____ Email: _____

Address: _____

Thank you!

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- Work in the District
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- Don't live or work in the District
- Other: _____

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- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): cleaner source, pipeline considerations

Purchase more water from Portland: _____

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: cost prohibitive, unknown deadline to complete

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: no, unneeded growth & possible reduction of source

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Stan Maier Email: STAN.MAIER@TEKTRONIX.COM

Address: _____

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



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- Work in the District
- TVWD employee
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- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
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- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: Education

I've worked on water projects for Africa and I don't think we appreciate the value water. I suggest we do more to educate our kids.

Learn More www.twwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@twwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: USE logic: Fix and raise the dam.
- Northern groundwater wells (near Scappoose): looks like a good long term source.
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: What happens if the dam breaks? (to the system capacity)
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Is there any study to project additional capacity thru conservation?

To keep updated on TVWD water supply planning:

Name: Joe Ohama Email: Joe.Ohama@Tektronix.com

Address: 14150 SW Karl Braun Dr. # 50-475
Beaverton, OR 9

Thank you!

Tualatin Valley Water District



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- TVWD employee
- Don't live or work in the District
- Other: Manage commercial property in TVWD - Ambersten / WestBrook

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

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- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): this option is interesting science, however ^{appears} too costly & water quality is a concern.

Mid-Willamette River (in Wilsonville): As explained, this would give TVWD more control & ownership. It also the lowest cost impact from construction & future rate perspective

Purchase more water from Portland: good option for backup, if needed. Do not like the fact TVWD is held hostage to Portland.

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: seems like a permitting might mean, however the infrastructure (piping) exists to this location. Expensive retrofit.

Northern groundwater wells (near Scappoose): Interesting concept. Would provide a new source, which is appealing - are there other location possibilities?

Mid-Willamette River (in Wilsonville): Proven ^(in Wilsonville) least cost alternative. potential to share infrastructure costs w/ neighboring jurisdiction

Purchase more water from Portland: Backup.

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Partner with other agencies where possible. to reduce ^{costs} impacts. Build enough capacity for future projected growth.

To keep updated on TVWD water supply planning:

Name: Kim Schenfelder Email: kschenfelder@koinvestment.com

Address: 1915 NW Amber Glen Parkway #365 Beaverton, OR 97006

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Business Breakfast

February 2, 2013

8 attendee's, Commissioner McWilliams, Commissioner Doane, Greg DiLoreto, Todd Heidgerken, Mark Knudson and Jim Meierotto

TVWD Board Room

- Seismic concerns – what if we lose Hagg Lake?
- Isn't there a fixed cost in fixing the dam regardless of which option you choose? Are there economies of scale to then prefer to do the Hagg Lake dam raise?
- Seismic building standards – can you explain the details of what we would do or what those look like?
- What does ownership mean or look like to TVWD?
- In regards to the Northern Groundwater option, would we look at other partnerships with other providers?
- In regards to the mid Willamette would the treatment plant have to be expanded?
- How would Portland's growth and demand increases affect their demands and our planning? Can PWB even meet our demands with their future growth?
- I have 2 bills, one with PWB and one with TVWD. The PWB bill is seeing big increases and I don't see those huge increases with the TVWD bill. How does the contract with PWB factor into TVWD rate increases on us?
- Will project costs be proportional to rate increases?
- Water quality is important because my business depends on leasing out property to tenants. Explain the water quality of the Willamette.
- Has the ROW for the pipeline corridor from Wilsonville to TVWD been planned?
- Question on rates and costs.
- Comment: Looking over the region as a clean slate with all our abundant water supply– wouldn't there be value in one water provider and wouldn't that be best for the region?



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- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District

3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): still lots of stuff in river even above falls + more people coming
- Purchase more water from Portland: less likely to run out than rivers
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: _____ Email: _____

Address: _____

Thank you!

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- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District


3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Kevin McCaleb Email: bricky4@yahoo.com

Address: _____

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



Your Reliable Drinking Water Future

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Additional options being explored for long-term development include increased storage at Hagg Lake, groundwater wells along the Columbia River near Scappoose, use the mid-Willamette River at Wilsonville, and purchasing more water from Portland.

1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- _____
- Northern groundwater wells (near Scappoose): _____
- _____
- Mid-Willamette River (in Wilsonville): _____
- _____
- Purchase more water from Portland: _____
- _____
- Another source: _____
- _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- _____
- Northern groundwater wells (near Scappoose): _____
- _____
- Mid-Willamette River (in Wilsonville): _____
- _____
- Purchase more water from Portland: _____
- _____
- Another source: _____
- _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Predicted Climate Change on long term water supply.

To keep updated on TVWD water supply planning:

Name: *Douglas Hunt* Email: *huntdmn@comcast.net*

Address: *15186 SW. New Plymouth Ln. BEAVERTON, OR 97007*

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



Your Reliable Drinking Water Future

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1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water *including source water quality*
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

#2 Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

NO Mid-Willamette River (in Wilsonville): _____

#1 Purchase more water from Portland: EPA recommends using the best available source rather than paying for treatment at an already polluted source

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Ed Cleary Email: water@edcleary.com

Address: 19150 SW Murphy CT, Aloha 97007

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Calcs For Peak days? Based on what - Does it take into consideration continued reduction of use?

How much of mercy of Wilsonville would our rates be?

How fast will the wells recover? Possible MGD?

Portland - Infrastructure?

Having an independent supply is important!!

Cost & rate = what happens if usage continues to decline?

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

CP03 Feedback

March 21, 2013

Garden Home Rec Center

12 attendee's

- Columbia does not have my vote.
- DEQ has issued many permits to do outflows into the Willamette River. Has TVWD talked to DEQ to see what is discharged into the Willamette River?
- Does the PWB cost factor in UV and additional 3rd dam costs?
- If the Willamette is chosen, will it be expandable to totally get off PWB system?



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1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District - *Reactor*
- TVWD employee
- Don't live or work in the District
- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District


3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): ownership, quality
- Purchase more water from Portland: _____
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): Storage
- Purchase more water from Portland: _____
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Stan Houseman Email: HousemanQuality@yahoo.com

Address: 8630 SW Cecilia Ter., Tigard, OR 97223 (Unincorporated Wash. County)

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



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 - Good stewardship of our water resources
 - Regional leadership
 - Environmental protection
 - Support a strong economy and robust community
 - Collaborative, cost-saving partnerships
 - Another value: _____
- TVWD doing very well so far!*

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: *No, earthquake engineering is too expensive and not guaranteed to hold*
- Northern groundwater wells (near Scappoose): *potential contamination is too easy to occur - BX's wells have run into contamination in drought years*
- Mid-Willamette River (in Wilsonville): *Do large w/ expansion capability too much current water comes from Portland*
- Purchase more water from Portland: *- Reduce this percentage to less than 50% of supply. 60% is too high, Pumps + Piping*
- Another source: *needed replacement decades ago.*

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

No, TVWD is doing great so far

To keep updated on TVWD water supply planning:

Name: _____ Email: _____

Address: _____

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Jim Meierotto

Subject: FW: Thank You from CPO#3

From: jasonpi@comcast.net [mailto:jasonpi@comcast.net]

Sent: Thursday, April 04, 2013 10:22 AM

To: Jim Meierotto

Cc: Mark Knudson

Subject: Thank You from CPO#3

Gentlemen- On behalf of the membership of CPO#3 I would like to thank you for your presentation at our March 21 meeting. It was informative and thought provoking. I would like to invite you back at some future date to discuss the future water plan decisions once they are made. On a personal note, I appreciated your willingness to address all audience questions with patience and forthrightness. Having employees such as yourselves does great credit to your agency.

CPO4M Feedback

March 27, 2013

Metzger Park

7 Attendees

- Is TVWD fluoridated?
- Heard that the plant in Wilsonville is foreign run. Please explain why we don't have an American company running that plant.
- Concern on the dam and the federal government stepping up.
- Thank you, I never knew water could be so interesting.
- Are there going to be public hearing before a decision?
- Climate change and rainfall amounts, how have we incorporated those predictions?
- TV irrigation district. Explain their role in all this process.



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- Work in the District
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- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: Ensuring Capacity

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): as an additional source (cost, quality, minimal enerr. impact)

Purchase more water from Portland: _____

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: Cost, Environment, Government Road Blocks

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): How long what is the long term cost/capacity \leftrightarrow longevity of the plant

Purchase more water from Portland: _____

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: _____ Email: _____

Address: _____

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



Your Reliable Drinking Water Future

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1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability — notes climate change, resiliency
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): Quality, cost benefit, proven

Purchase more water from Portland: _____

Another source: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Sounds like we/the feds should fix Scoggins Dam, regardless of Hagg Lake capacity.

To keep updated on TVWD water supply planning:

Name: Dan Schauer Email: dan.schauer@oregonstate.edu

OSU Extension, Address: 155 N, 1st Ave, Ste 200-MS 48

Hillsboro, OR 97124

Thank you! - Thank you for speaking

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



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2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

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- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: *Very concerned about seismic vulnerability*
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: *Maintain relationships*
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: *Bad investment in storage that will increase evaporation & be at-risk in earthquakes.*
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: _____ Email: _____

Address: _____

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

CPO6 Feedback

April 4, 2013

TVF&R Community Room

23 Attendees

- No need to answer this question, but it seems there could be a bluff to say we are going to drill a new pipe to get PWB to lower our rate on a 20 year agreement.
- Which option has the most capacity?
- Are there any reliability issues with taking water out of the river to other downstream uses and does it impact them?
- West Hills is a big pile of boulders. That's why they have survived all the previous earthquakes.



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- Other: _____

2. What values should guide decisions about TVWD's future water? (check all that apply and circle your most important value)

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- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: makes a bigger lake
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another source: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): is it good water
- Purchase more water from Portland: _____
- Another source: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Rob MRC Email: _____

Address: 20610 SW BLANTON ST. ALBANY 97007

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



Your Reliable Drinking Water Future

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- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: I LIKE TO HAVE LOCAL SOURCES.

Northern groundwater wells (near Scappoose): DOES COLUMBIA RIVER WATER QUALITY WHICH MAY BECOME MORE POLLUTED (HANFORD, WILLAMETTE HARBOR) ^{IMPACT} ~~IMPACT~~ FUTURE?

Mid-Willamette River (in Wilsonville):

Purchase more water from Portland: I LIKE THE ALGATA QUALITY BUT DON'T WANT PORTLAND TO CHARGE TOO MUCH \$.

Another source:

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: CAN EXISTING & NEW DAM BE MADE EARTH QUAKE SAFE?

Northern groundwater wells (near Scappoose):

Mid-Willamette River (in Wilsonville): CAN IT BE ~~WASTE~~ PROCESSED SO THAT THE QUALITY IS SAME AS BULL RUN WATER? ALSO DOES REMOVAL OF LARGE AMOUNTS OF WATER EFFECT DOWN STREAM USES? ~~WATER~~ ^{WATER} INPUT?

Purchase more water from Portland: IS IT COST EFFECTIVE IN THE FUTURE?

Another source:

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: STEVE LARRANCE Email:

Address:

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Five Oaks Triple Creek NAC Feedback

April 9, 2013

Elmonica School Cafeteria

12 Attendees



Your Reliable Drinking Water Future

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- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- (1) Increased storage at Hagg Lake: Location
- Northern groundwater wells (near Scappoose):

- (2) Mid-Willamette River (in Wilsonville): Supply-Volume
- Purchase more water from Portland:
- Another source:

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: Delivery / connection to existing piping ect. Does the Dam need to be retro fitted for strength?
- Northern groundwater wells (near Scappoose):

- Mid-Willamette River (in Wilsonville): Distance to usage customers? Costs in making the connector
- Purchase more water from Portland:
- Another source:

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

To keep updated on TVWD water supply planning:

Name: Dennis Seely Email: dwseely@tvwd.org

Address: 16165 NW Blunidge Dr. Beaverton, Oregon 97006

Thank you!

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Portland Water Bureau Meeting

April 10, 2013

At Tualatin Valley Water District Offices

4 Attendees

Todd, Paul and Mark met with Water Bureau Administrator David Shaff and three Water Bureau managers to review TVWD's evaluation of the supply options. Portland staff was provided with a abbreviated presentation that was similar to the April TVWD Work Session.

APPENDIX 2

Tualatin Valley Water District



Your Reliable Drinking Water Future
Employee Survey

Please fill out and put in the black comment boxes located in the front and back break rooms.

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- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): *I like this to owning a house. You upgrade and improve the home you own, why not the water you already own?*

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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Troy Van Roekel

Tualatin Valley Water District



AH

Your Reliable Drinking Water Future Employee Survey

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another supply: ASR _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

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Tualatin Valley Water District



Your Reliable Drinking Water Future
Employee Survey

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): We know it is just a matter of time before we will need to find another source that can accommodate us.
- Purchase more water from Portland: This is fine if they will give us a good deal.
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: Complete waste of time and money
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): I feel this is our best bang for our buck.
- Purchase more water from Portland: _____
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

I think construction costs are going to continue to escalate, the sooner we can get this project going, the better we will be.

Thank you!

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Tualatin Valley Water District



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- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

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- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

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Tualatin Valley Water District



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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): existing, low risk, available partners, known quantity, water rights existing

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: problematic, many unknowns

Northern groundwater wells (near Scappoose): too expensive to operate

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: not under District control

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): most cost effective and we will have ownership.
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): I am a current user and I love the improvements it made with my water - no more Calcium build up in my toilet bowl, etc. etc. my hair is so very soft now!
- Purchase more water from Portland: _____
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

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- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

4. What questions or comments do you have about these supply options?

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- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

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Tualatin Valley Water District



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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): Partner to Hillsboro
Best overall stewardship
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: why is this larger decision
a "pick one" solution vs multiple options? Doesn't
- Another supply: Portland water provide a most effective
option for Metzger / west Hills?

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

less redundancy w/ employee info sharing. too
all employee presentations + 1 division outreach
all covered the same material. In name of these

Thank you!

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was there any time for real discussion.
That aside, the information & analysis I have seen excellent.
Keeping employees informed is commendable.

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): *Partnership w/ Hillsboro will be key for affordable quality water in the region.*
- Purchase more water from Portland: _____

- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: Hagg Lake has so much to offer fishing, swimming, picnics, hiking and good water
- Northern groundwater wells (near Scappoose): seems like better than purchasing water
- Mid-Willamette River (in Wilsonville): we are share owners so it would be cost effective and it's proven safe and not too far away
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
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- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): *Because we already have \$ millions invested here !!*
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: *won't they really increase our rates when they have to start treating the water?*
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Think you all are doing a great job!
Chris Asp

Thank you!

If you want this in an electronic form please email: jimm@tvwd.org

Learn More www.tvwd.org/your-water/long-term-water-supplies

Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



Your Reliable Drinking Water Future
Employee Survey

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- High quality water
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- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): ownership, water quality, reliability
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: Concern of seismic vulnerability = reliability
- Northern groundwater wells (near Scappoose): Unknowns, distance, reliability, vulnerability concerns
- Mid-Willamette River (in Wilsonville): High quality, history of source as potable water
- Purchase more water from Portland: lack of ownership, decision making, potential costs, unknown reliability/availability
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Continue with education and outreach efforts including staff.

Thank you!

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- Another value: _____

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Tualatin Valley Water District



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- Mid-Willamette River (in Wilsonville): Ownership, 3rd source _____

- Purchase more water from Portland: _____

- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

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- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

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- Another value: Redundancy

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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: Shortest length to customer. Also would help if weather changes to be drier than normal. (help store during drought)
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): Adds another source of supply (redundancy). Utilizes infrastructure that has been built (treatment plant).
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

- Northern groundwater wells (near Scappoose): _____

- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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Tualatin Valley Water District



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- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: Only as a second source/backup supply.

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): HIGH QUALITY & RELIABILITY. ALSO COST SEEMS REASONABLE.

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Jim M.
When Todd & Mike came to explain the options to our group they covered the options very well @

Thank you!

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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

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Tualatin Valley Water District



Your Reliable Drinking Water Future

Employee Survey

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Other: Worked on the original Pilot ^{plant and} ~~with~~ ^{with} ~~Right~~ ^{Right} ~~water~~ ^{water} ~~Monitoring~~ ^{Monitoring}
It is a great source of water which we have investment in & rights!

2. What values should guide decisions about TVWD's future water? (check all that apply and circle the most important value)

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- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): Makes the most sense in my mind for a long time. Gives us much more redundancy

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: With the seismic issues and cost escalating it doesn't make sense

Northern groundwater wells (near Scappoose): I'd hate to see us go to ground water as a primary source

Mid-Willamette River (in Wilsonville): Great choice and makes the most sense

Purchase more water from Portland: Portland will be great as a back up supply or for Metzger only but with being unfiltered it causes WQ problems seasonally

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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Tualatin Valley Water District



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- Another value: _____

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Tualatin Valley Water District



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- Purchase more water from Portland: _____

- Another supply: _____

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- Purchase more water from Portland: _____

- Another supply: _____

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Thank you!

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- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): *most cost effective, water quality is excellent!*

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: *Let's not go there!*

Northern groundwater wells (near Scappoose): *3rd choice.*

Mid-Willamette River (in Wilsonville): *BEST choice!!*

Purchase more water from Portland: *2nd choice.*

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Excellent job keeping the public informed.

Thank you!

If you want this in an electronic form please email: jimm@tvwd.org

Weng B,

Learn More www.tvwd.org/your-water/long-term-water-supplies

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Tualatin Valley Water District



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Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: Should be regional source. ☺

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: Can we request state to reject exclusive water right of PORTLAND to Bull Run?

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

Thank you!

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- Purchase more water from Portland: _____

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- Another value: _____

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Tualatin Valley Water District



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- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): Partner with Hillsboro.
No redundancy.
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

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Todd Heidgerken 503-642-1511 supplyoptions@tvwd.org

Tualatin Valley Water District



Your Reliable Drinking Water Future
Employee Survey

Please fill out and put in the black comment boxes located in the front and back break rooms.

Tualatin Valley Water District (TVWD) is in the midst of an important planning and decision process to determine the best mix of options for the District's future water supply portfolio. TVWD has enough water for today—but needs to take steps to have enough water to meet future demands. Projections show the District's population will increase by 82,000 people by 2042.

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Additional options being explored for long-term development include increased storage at Hagg Lake, groundwater wells along the Columbia River near Scappoose, use the mid-Willamette River at Wilsonville, and purchasing more water from Portland.

1. Which best describes your interest? (check all that apply)

- Live in the TVWD District
- Own / operate a business in the District
- Work in the District
- TVWD employee
- Don't live or work in the District
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2. What values should guide decisions about TVWD's future water? (check all that apply and circle the most important value)

- High quality water
- Ample water for current and future needs
- Efficient and affordable service
- Reliability
- Good stewardship of our water resources
- Regional leadership
- Environmental protection
- Support a strong economy and robust community
- Collaborative, cost-saving partnerships
- Another value: _____

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): least cost, proven quality thru Sherwood + Wilsonville, able to partner w/Hillsboro

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

This is a hard decision - you can't please everyone.
Good luck + thanks for the opportunity to participate.

Thank you!

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- Purchase more water from Portland: _____

- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____

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- Mid-Willamette River (in Wilsonville): _____

- Purchase more water from Portland: _____

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5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

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Tualatin Valley Water District



3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): Partnership / help with costs

Purchase more water from Portland: _____

Another supply: _____

4. What questions or comments do you have about these supply options?

Increased storage at Hagg Lake: _____

Northern groundwater wells (near Scappoose): _____

Mid-Willamette River (in Wilsonville): _____

Purchase more water from Portland: _____

Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

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3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): ADDITIONAL HIGH CAPACITY SOURCE FOR THE METRO AREA; ADDITIONAL UNIQUE SOURCE FOR THE DISTRICT; WE OWN IT
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

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3. Which potential water supplies interest you the most for the District's future (and why)? (check any)

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): It is a good source & we would probably be there in the future anyway. Cost effective to @ there now.
- Purchase more water from Portland: _____
- Another supply: _____

4. What questions or comments do you have about these supply options?

- Increased storage at Hagg Lake: _____
- Northern groundwater wells (near Scappoose): _____
- Mid-Willamette River (in Wilsonville): _____
- Purchase more water from Portland: _____
- Another supply: _____

5. Any further suggestions for Tualatin Valley Water District's long-term water supply planning?

I think its time to be the leader in water supply options.

Thank you!

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- Another supply: Most efficient

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