



TUALATIN VALLEY  
WATER DISTRICT

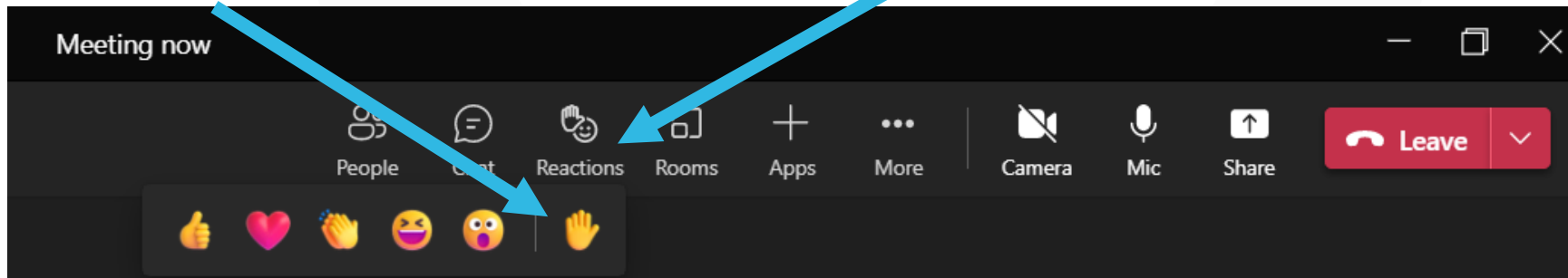
# FLUORIDATION OF DRINKING WATER

Talkin' Water

December 14, 2022

# VIRTUAL EVENT GUIDELINES

- Sessions are recorded.
- Please make sure your microphone is muted.
- Raise your hand to ask questions by clicking on the Reactions button and then clicking on the hand.



- Once TVWD Staff call on you, unmute your microphone and ask your question. When finished, please mute your microphone again.
- TVWD operates in an inclusive and discrimination-free manner to serve all customers. Staff may exclude participants who disrupt events.

# TODAY'S PRESENTERS



**Joel Cary**  
Water Resources Manager



**Pete Boone, PE**  
Chief Operating Officer



**Justin Dyke**  
Outreach Specialist

# LET'S TALK ABOUT FLUORIDE

Today's agenda for "Talkin Water"



1. **Why fluoride is added**
2. **How and where it is added**
  - Spoiler alert, not everywhere
3. **Temporary fluoride pause**
  - Who's affected?
  - Why does TVWD need to do this?
  - How long will this last?



# WHY FLUORIDE IS ADDED

Some historical context is helpful

- The decision to add fluoride was made by voters in 1963
  - Voters approved the measure with 60% voting yes
- At that time, TVWD was two different water districts: Wolf Creek and Metzger
- Metzger never voted on fluoridation (yellow area)





# TVWD ONLY USES SODIUM FLUORIDE

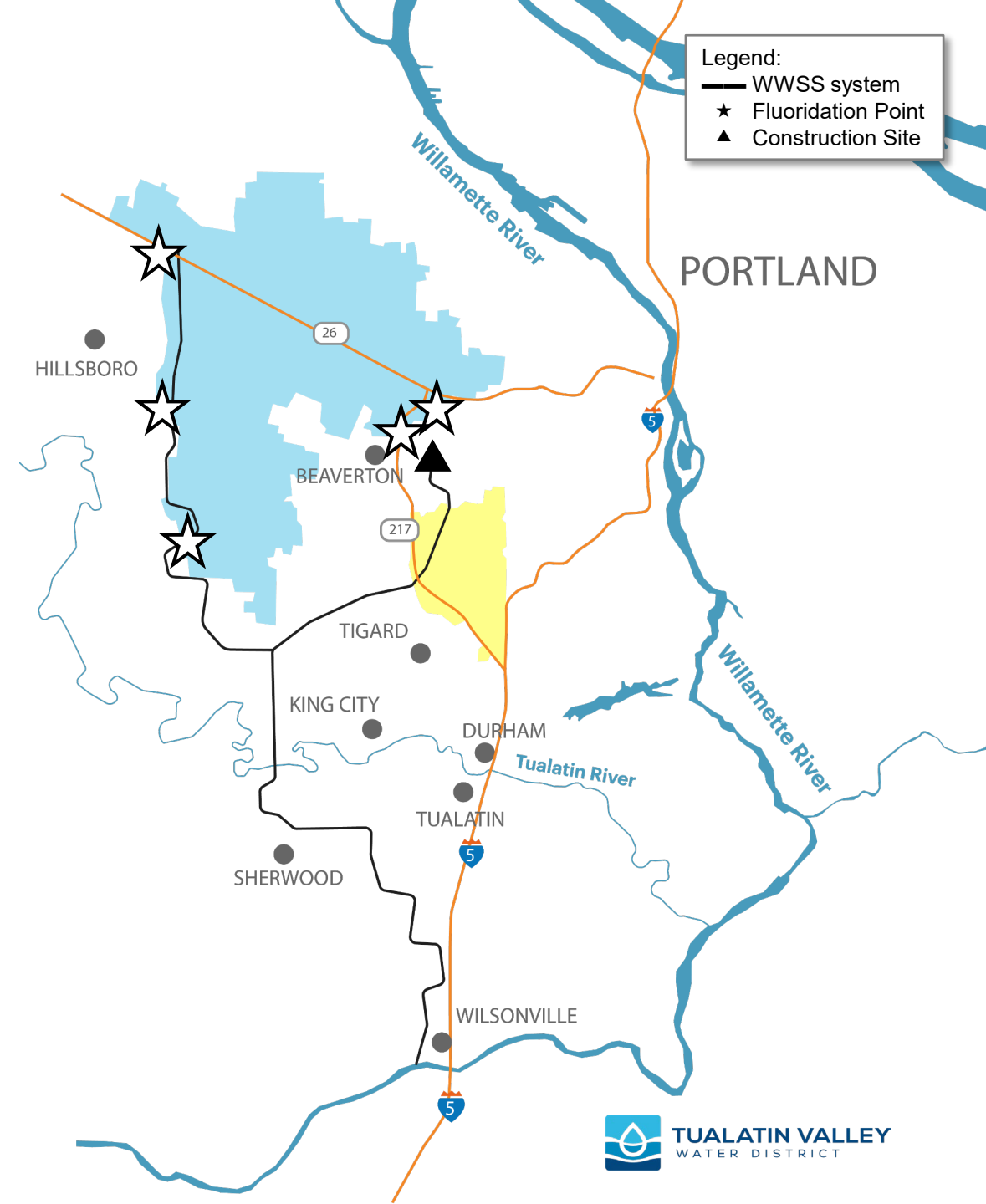
Several important factors and steps are part of TVWD's fluoridation practices

- **TVWD adds 0.7 milligrams per liter (mg/L) to your water at entry points to the system**
  - This is the same as 0.7 parts per million
  - This amount added is determined by the U.S. Department of Health and Human Services
  - Note: the exact amount of fluoride you consume is based on how much water you drink or eat (i.e., water used in cooking) and other forms of intake
- **TVWD has an independent lab analyze every shipment batch for quality control**

# WHERE FLUORIDE IS ADDED

Since our sources are not fluoridated, TVWD adds it at key locations

- Blue area is fluoridated at 0.7 mg/L
- Yellow area is not fluoridated (i.e., Metzger service area)
- Key entry points are used to add fluoride
  - Noted with stars ☆
- Different addition points are the drivers for the temporary pause
  - The majority of TVWD's supply enters locations noted with black stars ★
  - Construction location ▲





# TEMPORARY FLUORIDATION PAUSE

This is a necessary and temporary action

- Construction related to TVWD's new Willamette River supply will prevent TVWD from utilizing two primary fluoride addition points starting January 1, 2023
- Construction timing is not exact but is expected to last for up to three months (January – March)



# SYSTEM CONSTRUCTION

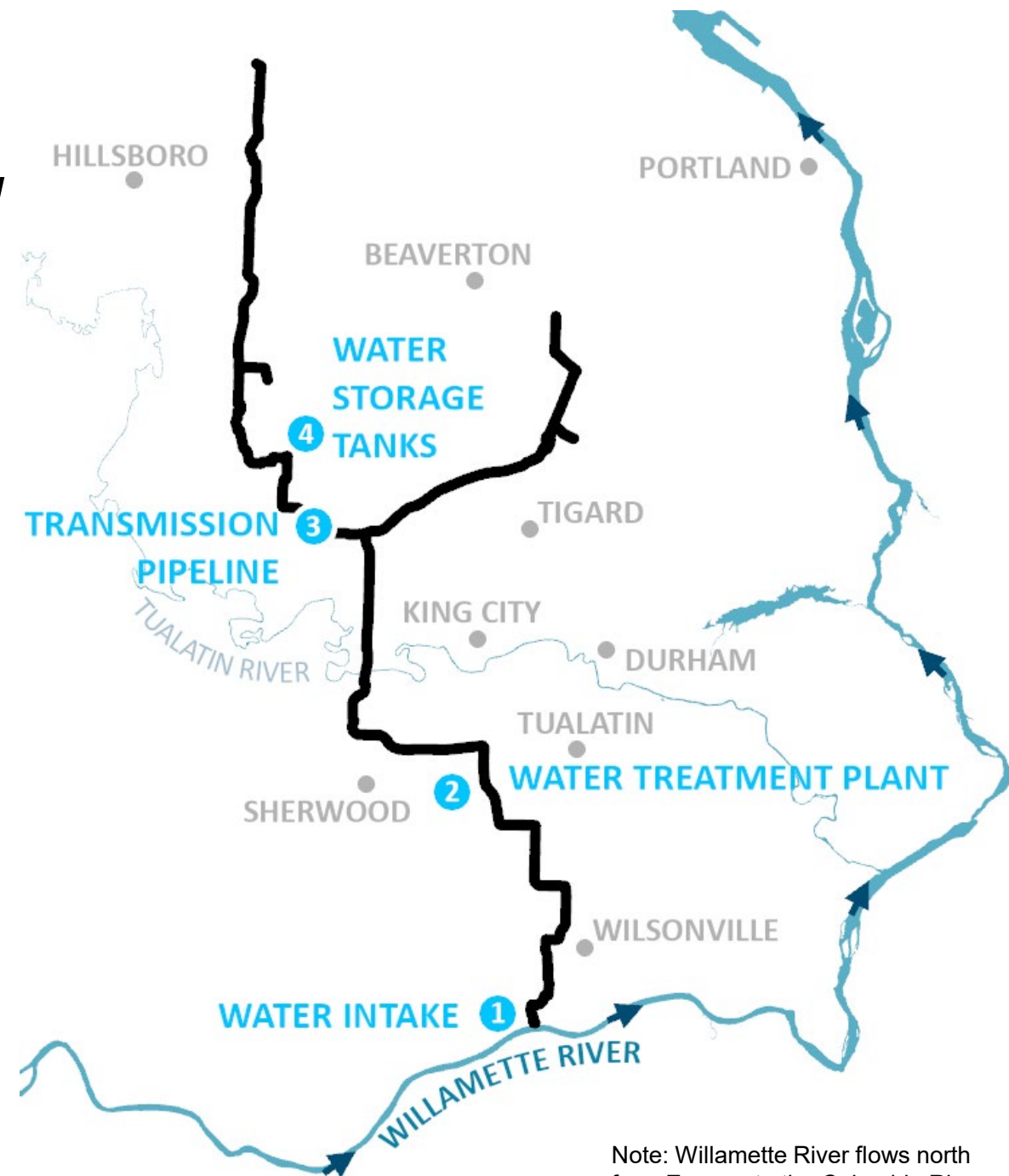
## What's exactly is happening?

- TVWD, with our partners the City of Hillsboro and the City of Beaverton, are constructing an additional water supply from the Willamette River, which will start serving customers by 2026
- **A new, 48-inch steel transmission water main under Western Avenue will connect to an existing 54-inch transmission main on Beaverton Hillsdale Highway, requiring shut-down of this primary supply entry point to TVWD**
- This will eventually provide water from the Willamette River to all TVWD service areas including Metzger



# WILLAMETTE WATER SUPPLY SYSTEM OVERVIEW

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



# YOUR TURN! ANY QUESTIONS?



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Water Resources Manager



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Chief Operating Officer



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**THANK YOU FOR JOINING US**

[Tvwd.org/fluoride](https://www.tvwd.org/fluoride)