

Yachats Water Conservation Ordinances

Public Meeting
September 19, 2022

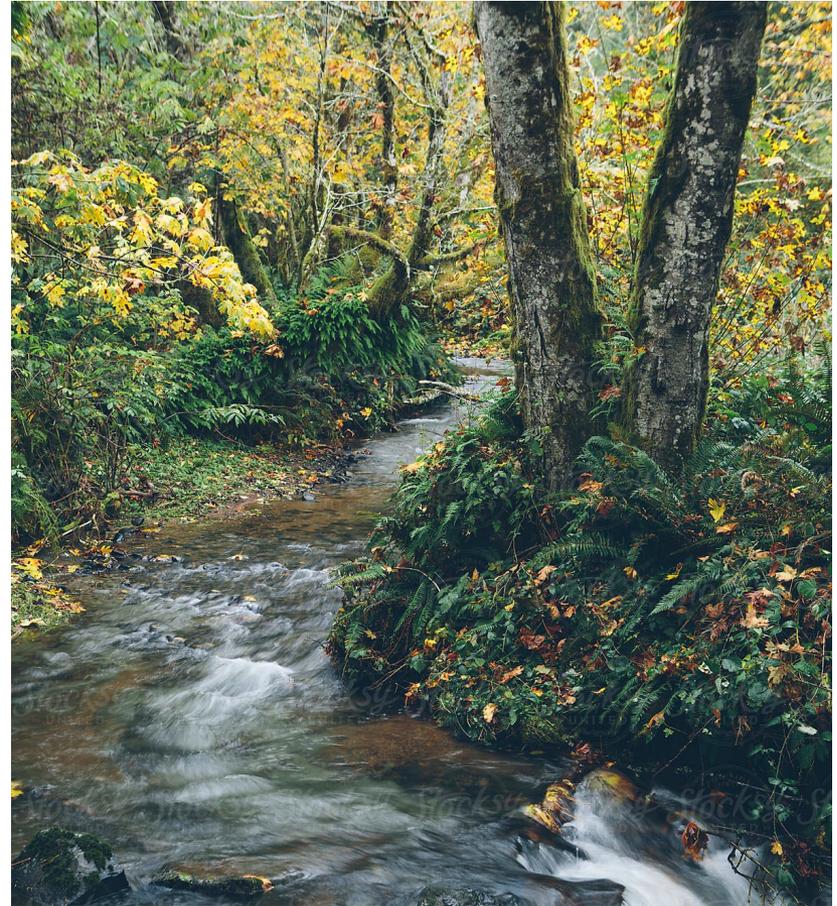


Agenda

- Drinking Water Protection Plan
- Indoor water conservation
- Outdoor water conservation
- Questions and feedback

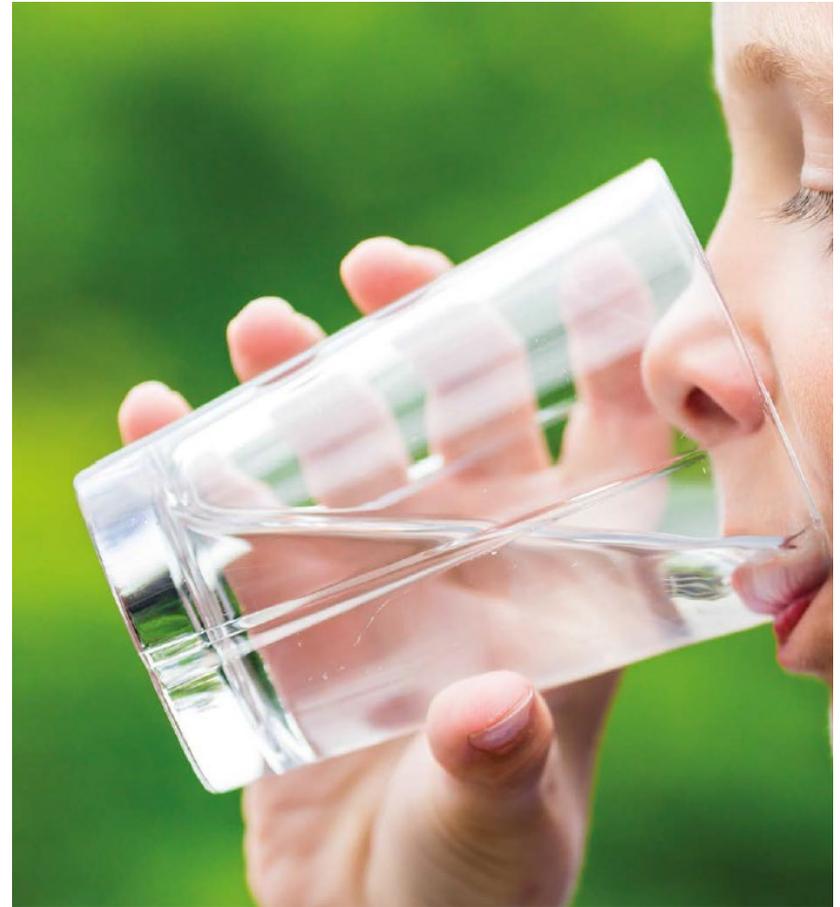
Drinking Water Protection Plan

- Goal is to protect the City's drinking water sources
- DEQ Source Water Assessment (2016)
- Grant from Oregon Health Authority (2019)

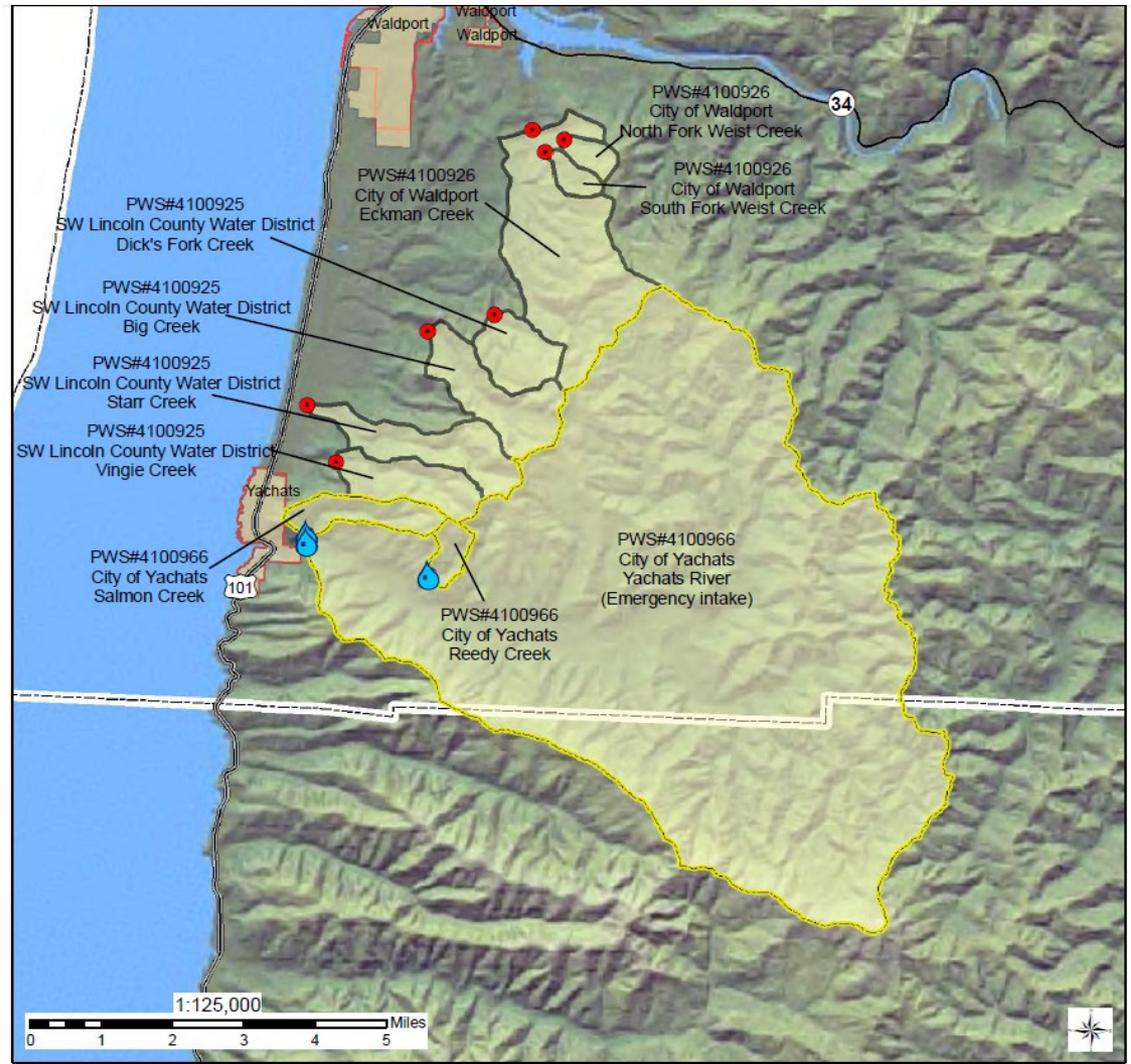


Drinking Water Protection Plan

- Approved by DEQ and OHA 2021
- OHA implementation grant 2022-2023
 - Outreach
 - Monitoring plan
 - Ordinances



Reedy Creek and Salmon Creek



Water Conservation Ordinances



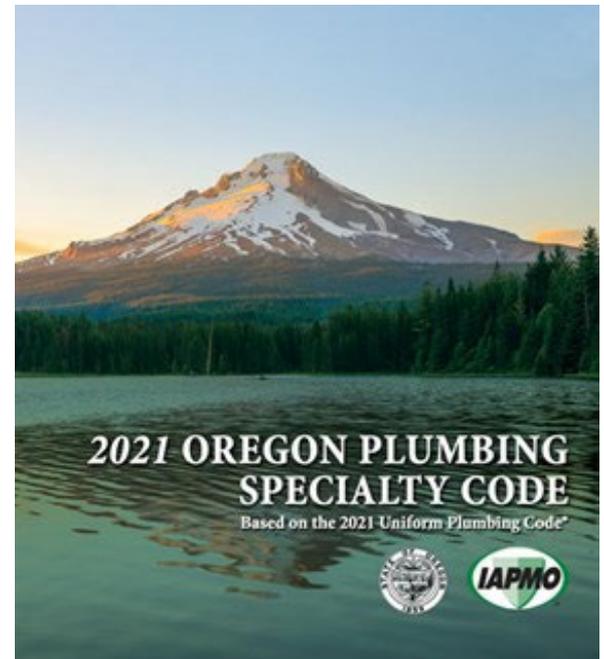
- Reduce demand, especially summer
- Protect water quality from deteriorating during low flows
- Protect quantity available
- Indoor and outdoor

Indoor Water Conservation



Local and State Codes

- Yachats Municipal Code
 - Water shortage
- Oregon Plumbing Specialty Code
 - Maximum fixture flow rates



Oregon Plumbing Code

Table L 402.1 Maximum Fixture and Fixture Fittings Flow Rates (excerpt)

Fixture	Flow Rate
 Showerheads	2.0 gpm
Residential kitchen faucets	1.8 gpm
 Residential bathroom faucets	1.5 gpm
Non-residential bathroom faucets	0.5 gpm
 Toilets	1.28 gpf



Equivalent to EPA WaterSense requirements

Example Indoor Ordinances

- “Showerheads, private lavatory faucets, water closets...shall meet the specifications required for the **WaterSense program** label” (New York City, NY)
- “All **new construction and applicable remodels** will have, at a minimum, fixtures that comply with the efficiency standards listed in the Indoor Water Use Efficiency Table” (Burlingame, CA)
- “All existing residential, commercial, and industrial buildings **shall, at the time of sale, be retrofitted**, if not already so, exclusively with high efficiency plumbing fixtures.” (Santa Cruz, CA)

Outdoor Water Conservation



Landscape Design



- Limits on turf, high water use plants, and water features
- Steep slopes
- Small, narrow, and irregular areas

Plant Selection

- Low water use
- Drought tolerant
- Plant lists and recommendations



Achillea millefolium



Monardella villosa



Fragaria chiloensis

Irrigation Systems

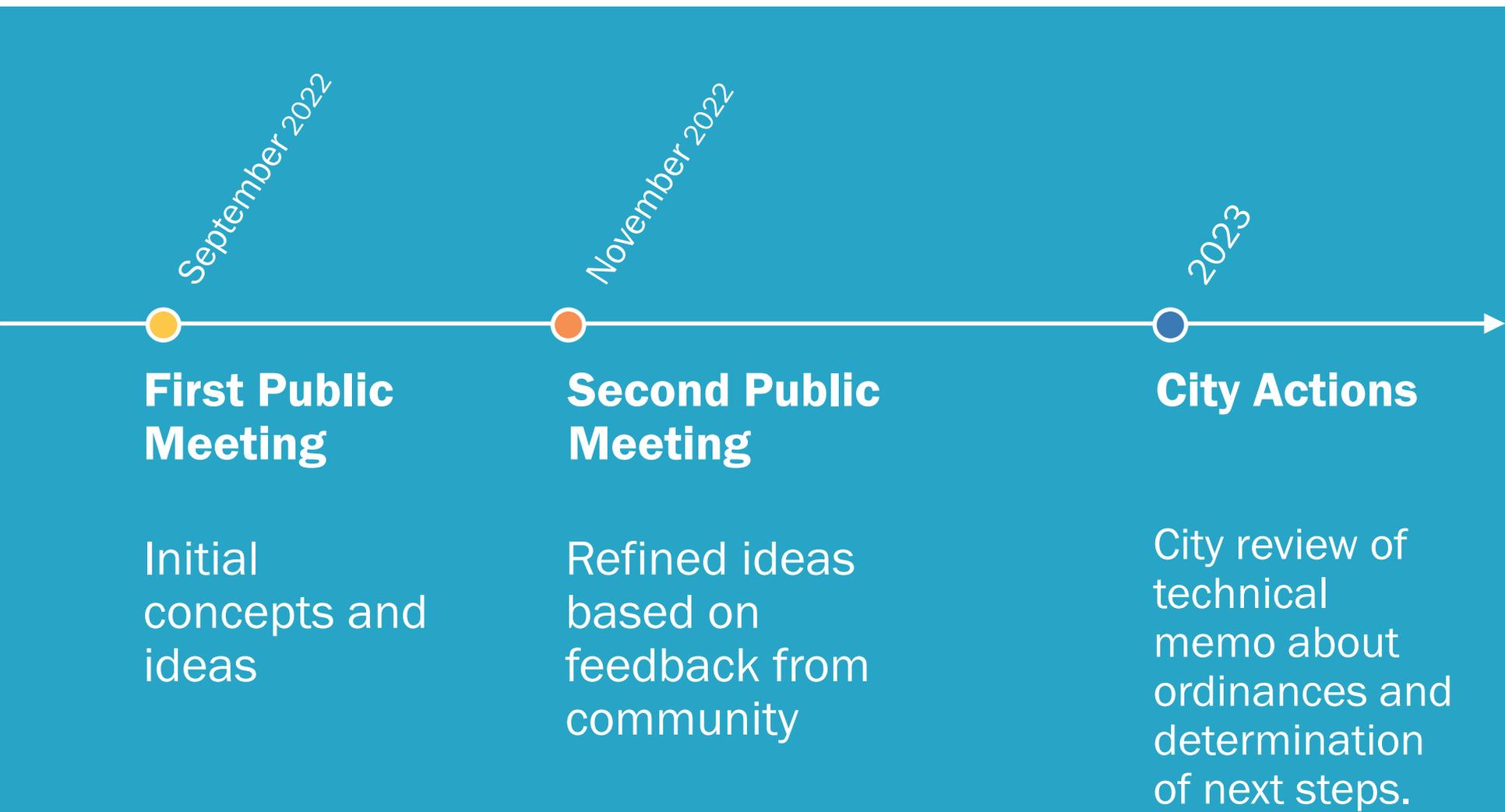
- Minimize runoff
- Automatic irrigation controllers
- Efficient technologies



Example Outdoor Ordinances

- “Design irrigation systems to **minimize runoff and overspray** to non-irrigated areas” (Ashland, OR)
- “**Automatic irrigation controllers**... utilizing either **evapotranspiration or soil moisture sensor** data shall be required for irrigation scheduling” (Roseville, CA)
- “**Low-volume irrigation** is required in mulched areas, areas with slope $>25\%$, and in any narrow or irregularly shaped areas that are less than 8 feet in width in any direction” (Cupertino, CA)

Next Steps



September 2022



First Public Meeting

Initial concepts and ideas

November 2022



Second Public Meeting

Refined ideas based on feedback from community

2023



City Actions

City review of technical memo about ordinances and determination of next steps.



Please enter your questions or comments in the chat, or type “?” in the chat and we will call on people to unmute and ask questions or make comments

Questions and Discussion

An aerial photograph of a coastal town and beach. The town is built on a hillside overlooking a large, sandy beach. The ocean is visible in the foreground with waves breaking onto the shore. The text "Thank you!" is overlaid in the top left corner.

Thank you!

Thanks to the Oregon Health Authority,
Oregon Department of Environmental
Quality, and the City of Yachats Drinking
Water Protection Plan Team Members!

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