

City of Bend Utilities

Public Advisory Group



CITY OF BEND

Location: [Zoom Meeting Link](#)

Date: Wednesday, October 4, 2023

Time: 11am-12:30pm

Speakers: Lori Faha, City of Bend Environmental Resources Manager
Dan Denning, City of Bend Water Conservation Program Manager
Elisabeth O’Keefe, City of Bend Stormwater Program Manager
Aubrie Koenig, Consor Strategic Planning & Communications Facilitator

Meeting Agenda

Purpose: Collect input on next steps for the water conservation rebate and incentive program and on updated codes and standards language.

1. **Welcome and Recap** *7 mins*
2. **Water Conservation Rebate Program** *25 mins*
 - a. Summer rebate and assistance program
 - b. Recent standards enforcement
 - c. **Focus questions:**
 - i. Are there alternative methods of recruitment to better drive interest in the multi-family residential rebate program?
 - ii. What ideas do you have to engage the landscape and construction industry in promoting rebates?
3. **Water Conservation Codes and Standards** *30 mins*
 - a. Code standards language and implementation
 - b. **Focus questions:**
 - i. Based on the June tour, do you have recommendations for the conservation program to consider related to private side landscaping?
 - ii. Are there considerations or potential impacts that we've not covered as a result of our Chapter 12 edits? (attached)
 - iii. What forms and level of education around maintenance would be most impactful?
4. **Discussion and Feedback** *15 mins*
5. **Summary and Closing** *3 mins*

Draft Meeting Roadmap



Updated September 8, 2023

CITY OF BEND

<p>Wednesday, Nov. 1, 2023</p> <p>11am- 12:30pm</p> <p>Zoom Meeting</p>		<p>NOV 2023 UPAG MEETING: Water Conservation and Stormwater Management</p> <ul style="list-style-type: none"> • Utilities Department one water in schools education proposal • Water conservation planning for new rebates and ongoing codes/standards discussion
<p>Wednesday, Dec. 6, 2023</p> <p>11am- 12:30pm</p> <p>Zoom Meeting</p>		<p>DEC 2023 UPAG MEETING: Annual Review</p> <ul style="list-style-type: none"> • Summary of topics from 2023 and how UPAG advice is being used • Introduce new members • Preview future topics
<p>January-May 2024</p>		<p>Future Topics</p> <ul style="list-style-type: none"> • Continued input on codes and standards, templates and tools for water conservation landscaping and irrigation • Stormwater business outreach program • Water conservation program expansion areas (lawn removal incentives, work with HOAs and large water users) • Citywide Stormwater Master Plan Update (roughly 18-month process with UPAG as key sounding board)
<p>June 2024</p>		<p>Field Trip</p>



Accessible Meeting Information

This meeting/event location is accessible. Sign language interpreter service, assistive listening devices, materials in alternate format such as Braille, large print, electronic formats, or any other accommodations are available upon advance request. Please contact Lori Faha at lfaha@bendoregon.gov or (541) 317-3025; Relay Users Dial 7-1-1. Providing, at least, 3 days' notice prior to the event will help ensure availability.

Chp. 12 Engineering Standards and Specifications

12.1 Applicability

The design Chp.12 standards and specifications shall apply to all new development completed in the City of Bend public Right of Way. Work must be completed under a City of Bend permit.

- a. *Clear and objective track.* All landscape and/or irrigation plans for work within all public ROW shall be stamped and signed by a licensed landscape architect defined by the Oregon Revised Statutes. Minimum general specifications for construction shall be set forth in the Oregon Standard Specifications (OSS) for Construction and these City of Bend Standards and Specifications.
- b. *Discretionary Track.* The requirement for a stamped set of landscape and irrigation plans may be waived if the applicant elects to follow a prescriptive path utilizing one of the City of Bend approved landscape templates. If this method is chosen, installation of landscape and irrigation must be in alignment of the City of Bends Chp.12 landscape design standards and follow the provided development checklist.

12.2 Landscape Plan Submittal

(Addition) City of Bend capital projects must prepare landscape and irrigation plans per Bend Development Code Chapter 4.2.300, and follow design requirements listed in 12.2 and 12.3.

12.2.3.2 Non-approved Street Trees and Plants

The following plant species are explicitly prohibited in public ROW's:

- All species of turfgrass (grass lawns)
- Populus sp.
- Salix sp.
- Alianthus sp.
- Robinia sp.

12.2.4.2 Soil Amendments

(Edit) Soil shall be amended as indicated by a soil analysis performed by a reputable soil laboratory. Soil amendment shall be tilled into native topsoil to a depth of 6" across entire planting area, or may be spot amended at individual planting holes at a ratio of 1/3 amended soil to 2/3 native topsoil. Topsoil with aggregate material in excess of 5%

of composition is not acceptable. Prior to amending soil, planting areas shall be cleared of construction debris, base rock and other to a depth of 12" for shrubs and groundcover, and 24" at tree pits.

12.2.4.3 Mulches

(Edit) Finished landscapes must include organic shredded bark or rock mulch to a depth of 3". Mulch should be pulled back 4"-6" from the root flare of trees and shrubs.

12.3.1 Design Parameters

(Edit) ...Overhead irrigation sprinklers shall be inset 12" from hardscape, curbs.....

(Addition) Any pop- up style sprinkler body must be PRS (pressure regulating Sprinkler) model, SAM PRS with check valve must be used on sloped areas or where low head drainage occurs after irrigation.

12.3.2 Drip Irrigation Design

(Edit) Drip irrigation is required when dimensions are less than 8ft in any direction.

(Addition) Drip irrigation systems shall be subsurface and include all required devices for long term maintenance and monitoring including but not limited to air relief valves, flush valves and indicator valves.

(Addition) Plants irrigated with drip will need to be irrigated through in-line or if point source is used, ensure multiple emitters of distribution are spaced around the entire plant root ball. One distribution emitter is not sufficient.

12.3.3.1 Irrigation controllers

(Addition) At a minimum, a station list w/ plant type and area description shall be left in the controller. A pre and post grow in schedule shall be calculated and left in the controller on site.

If power is not available to the controller, solar powered controllers must be utilized wherever possible. Battery powered controllers may be used on temporary systems only.