

## Chronological Order of Engagement Efforts – Landscape and Irrigation Performance and Design Standards Manual/Water Efficient Landscape Ordinance

### **2/15/2022 City Commission Work Session – Water Efficient Landscape and Irrigation Standards**

Discussion of overall project approach outlining the proposal of three ‘tiers’ of standards, including time of day and day of week watering restrictions.

- [Presentation slides](#)
- [Meeting minutes](#)
- [Meeting video](#)

### **3/3/2022 MSU ECHM 205: Energy and Sustainability Class Presentation**

Provided information on drought management and water conservation initiatives including the development of water efficient landscape and irrigation standards.

### **3/21/2022 Community Development Board Special Presentation**

Update on water conservation initiatives including educational resources, water rates, drought management, and water efficient landscape and irrigation standards being developed per City Commission directive.

- [Meeting minutes](#)
- [Meeting video](#)

### **4/5/2022 Water Court Spring Water Meeting**

Update on drought management with a summary of upcoming projects including the development of water efficient landscape and irrigation standards.

### **4/21/2022 University Neighborhood Association Meeting**

Update on water conservation initiatives including drought management, available rebates, and the development of water efficient landscape and irrigation standards.

### **4/23/2022 Gallatin Earth Day – Earth Day Presentation at the Emerson**

Update on water conservation initiatives including drought management, available rebates, and the development of water efficient landscape and irrigation standards.

### **5/23/2022 KGVM Radio Show – Health and Happiness Hour**

Update on water supply issues, water conservation initiatives including drought management, available rebates, and the development of water efficient landscape and irrigation standards.

- [Radio show recording](#)

### **7/6/2022 Bozeman Public Library Water Conservation Presentation to the General Public**

Update on water supply issues, water conservation initiatives including drought management, available rebates, and the development of water efficient landscape and irrigation standards.

### **8/10/2022 Sustainability Board Work Session**

Update on water supply issues, water rates and discussion on the development of water efficient landscape and irrigation standards.

- [Presentation slides](#)
- [Meeting minutes](#)
- [Meeting video](#)

### **9/19/2022 MSU GPHY 402: Water and Society Class Presentation**

Provided information on drought management and water conservation initiatives including the development of water efficient landscape and irrigation standards.

### **9/20/2022 & 9/21/2022 Green Industry Professionals and MSU Extension Agents Turf to Trees Workshop**

Provided information on plant water use, rebates, the development of water efficient landscape and irrigation standards, and professional education opportunities for the landscape and irrigation industry.

### **10/18/2022 MSU Horticulture Department Seminar Series Presentation**

Provided information on plant water use, rebates, drought, and the development of water efficient landscape and irrigation standards.

### **10/26/2022 MSU ARCH 231: Issues in Sustainability Class Presentation**

Provided information on plant water use, rebates, drought, and the development of water efficient landscape and irrigation standards.

### **11/1/2022 Email notification sent to all ProjectDox users**

Invited all recipients to participate in all upcoming engagement meetings and included a link to the project website to learn more and stay up to date on the City's progress for this project.

### **11/1/2022 Email notification sent to Gallatin Water Collaborative Group**

Invited all recipients to participate in all upcoming engagement meetings and included a link to the project website to learn more and stay up to date on the City's progress for this project.

### **11/8/2022 Gallatin Water Collaborative Water Sharing Group Presentation**

Provided an overview of the water efficient landscape and irrigation standards as well as opportunities to stay engaged.

### **11/7/2022 Launched Water Efficient Landscape and Irrigation Standards Project Website**

Provided the following information:

- Project background
- Standards development approach
- Summary of landscape standards
- Summary of irrigation standards
- Project timeline

- Engagement opportunities
- Engagement meeting summaries
- Draft documents and resources

### **11/17/2022 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 1 – Environmental Stewardship Stakeholders and General Public**

Provided the following information followed by Q & A and general discussion:

- Bozeman water resource planning
- Water demand trends
- Local development trends
- Standards work completed to date
- Landscape plan approval pathways
- Proposed irrigation requirements checklist
- Supplemental resources

### **11/18/2022 Water Efficient Landscape and Irrigation Standards Engagement Meetings # 1 – Professional Development Community (two meetings)**

Held one virtual meeting in the afternoon and one in person meeting in the evening and provided the following information followed by Q & A and general discussion:

- Bozeman water resource planning
- Water demand trends
- Local development trends
- Standards work completed to date
- Landscape plan approval pathways
- Proposed irrigation requirements checklist
- Supplemental resources

### **12/6/2022 City Commission Special Presentation – Water Supply Management Planning Update**

Provided update on the 2013 Integrated Water Resources Plan implementation which included water supply development projects and water conservation initiatives, including the development of water efficient landscape and irrigation standards.

- [Meeting minutes](#)
- [Meeting video](#)

### **12/13/2022 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 2 – Professional Development Community (virtual)**

Provided the following information followed by Q & A and general discussion:

- A brief summary of the meetings held in November
- A water budget calculator demonstration and plant list review
- Detailed review of the irrigation performance and design checklist
- Considerations for landscape and irrigation in boulevards
- Preview of the draft Landscape and Irrigation Performance and Design Standards Manual

**12/14/2022 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 2 – Environmental Stewardship Stakeholders and General Public**

Provided the following information followed by Q & A and general discussion:

- A brief summary of the meetings held in November
- A water budget calculator demonstration and plant list review
- Detailed review of the irrigation performance and design checklist
- Considerations for landscape and irrigation in boulevards
- Preview of the draft Landscape and Irrigation Performance and Design Standards Manual

**12/15/2022 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 2 – Professional Development Community (in person)**

Provided the following information followed by Q & A and general discussion:

- A brief summary of the meetings held in November
- A water budget calculator demonstration and plant list review
- Detailed review of the irrigation performance and design checklist
- Considerations for landscape and irrigation in boulevards
- Preview of the draft Landscape and Irrigation Performance and Design Standards Manual

**12/20/2022 Community Development Design Professionals Group Meeting Presentation**

Provided an overview of the proposed water efficient landscape and irrigation standards including opportunities to stay engaged and a link to the project website.

**1/13/2023 Email notification sent to sod/turfgrass growers**

Informed recipients of the proposed limits on the installation of high water use turfgrass, provided a link to the project webpage, and invited them to provide comment and/or meet with the Water Conservation Program Manager to discuss concerns.

**1/17/2023 Water Efficient Landscape and Irrigation Standards Engagement Meeting – Plant Retailers and Plant Nursery Professionals**

Provided the following information followed by Q & A and general discussion:

- Bozeman water resource planning
- Water demand trends
- Local development trends
- Standards work completed to date
- Landscape plan approval pathways
- Proposed irrigation requirements checklist
- Supplemental resources

**1/24/2023 Water Efficient Landscape and Irrigation Standards Focus Group Meeting #1 – Landscape Designers and Irrigation Contractors**

Discuss specific landscape and irrigation requirements outlined in the December 2022 draft Landscape and Irrigation Performance and Design Standards Manual.

**2/13/2023 MSU LRES Seminar Series Presentation**

Provided information on water supply issues, water conservation policies, drought, and the development of water efficient landscape and irrigation standards.

**3/3/2023 Social Post to Instagram, Facebook, and Twitter**

Summarized the purpose of the proposed standards and provided a link to the project webpage for viewers to learn more about the project.

**4/4/2023 Presentation to Bozeman Brokers Group**

Provided information on water supply issues, rebates, drought, and the development of water efficient landscape and irrigation standards.

**4/11/23 MSU LARC 340: Landscape Architecture Site Design Studio Class Presentation**

Discussed how the water budget calculator and plant species list proposed as a supplement to the water efficient landscape and irrigation standards can be utilized to calculate a water budget on the landscape. City staff provided an interactive demo to MSU students to teach them how to calculate their own water budgets for relevant projects using the City's draft water budget calculator.

**4/14/2023 OLLI Lifetime Learning Friday Forum Presentation**

Provided information on water supply issues, rebates, drought, and the development of water efficient landscape and irrigation standards.

**4/17/2023 Email notification sent to Community Development Design Professionals Group**

Provided project summary, include a link to the project webpage to learn more and stay engaged.

**4/21/2023 Water Efficient Landscape and Irrigation Standards Focus Group Meeting #2 – Landscape Designers and Irrigation Contractors**

Discuss specific landscape and irrigation requirements outlined in the April 2023 draft Landscape and Irrigation Performance and Design Standards Manual.

**Early May 2023 Community Development Spring Reminder email**

Provided a brief summary of the proposed water efficient landscape and irrigation standards and included a link to the project website to learn more and receive a draft of the standards.

**5/1/2023 - 5/4/2023 Visited plant nurseries, irrigation wholesalers, and hydroseeding companies**

Discussed the proposed standards and how they could result in possible shifts in the local market for certain products sold by these businesses

- Cashman's Nursery
- Murdoch's
- Midland Implement
- Hillside Nursery
- Westscape Nursery
- EZ Lawn Hydroseeding
- HD Fowler
- Wagner Nursery

- Webby Landscaping
- Gallatin Valley Sod Farm
- Oak Gardens Nursery

### **5/29/2023 KGVM Radio Show – Health and Happiness Hour**

Update on water supply issues, water conservation initiatives including drought management, available rebates, and the development of water efficient landscape and irrigation standards.

- [Radio Show Recording](#)

### **6/27/2023 Called landscape design companies in the Bozeman area and offered one on one meetings to review the proposed water efficient landscape and irrigation standards**

Reached out to 33 companies in the Bozeman area who engage in landscape design as part of their business and offered to have one-on-one meetings where Water Conservation staff could provide an overview of the proposed standards and answer questions.

### **7/3/2023 Emailed plant nurseries in Gallatin Valley with plant list that was developed as part of the proposed water efficient landscape and irrigation standards**

Provided the plant list that is used with the plant water budget calculator as a supplement to the landscape and irrigation standards so plant nursery staff could learn about the standards and have necessary information to adjust their inventory to meet anticipated future plant type needs.

### **7/5/2023 City of Bozeman news posting and e-notification**

Invited readers to participate in all upcoming engagement meetings and included a link to the project website to learn more and stay up to date on the City's progress for this project.

### **7/19/2023 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 3 – Environmental Stewardship Stakeholders and General Public**

Provided the following information followed by Q & A and general discussion:

- Bozeman water resource planning
- Water demand trends
- Local development trends
- Landscape plan approval pathways
- Proposed tree requirements
- Proposed soil requirements
- Proposed irrigation requirements
- An overview of supplemental resources including the water budget calculator and plant list
- An explanation of the process that was used to develop the standards manual
- Feedback received from previous engagement opportunities
- Analysis of expected financial impacts due to the implementation of proposed standards
- A discussion of the merits of different plant coverage requirements
- An explanation of the target timeline for legal review and adoption

### **7/20/2023 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 3 – Professional Development Community**

Provided the following information followed by Q & A and general discussion:

- Bozeman water resource planning
- Water demand trends
- Local development trends
- Landscape plan approval pathways
- Proposed tree requirements
- Proposed soil requirements
- Proposed irrigation requirements
- An overview of supplemental resources including the water budget calculator and plant list
- An explanation of the process that was used to develop the standards manual
- Feedback received from previous engagement opportunities
- Analysis of expected financial impacts due to the implementation of proposed standards
- A discussion of the merits of different plant coverage requirements
- An explanation of the target timeline for legal review and adoption

**7/31/2023 Water Conservation Specialists meeting with staff from a local landscape architecture firm**

Staff provided information and answered questions related to the proposed water efficient landscape and irrigation standards.

**8/10/2023 Meeting with MSU Facilities and irrigation staff to discuss proposed standards**

Discussed the draft water efficient landscape and irrigation standards to identify in what capacity the standards will apply to future MSU projects.

**8/15/2023 Community Development Design Professionals Group Meeting Presentation**

Provided an overview of the proposed water efficient landscape and irrigation standards including opportunities to stay engaged and a link to the project website.

**9/29/2023 Sunrise Rotary Club Presentation**

Update on water supply issues, water conservation initiatives including drought management, and the development of water efficient landscape and irrigation standards.

**10/11/2023 Water Conservation Specialists meeting with staff from a local landscape architecture firm**

Staff provided information and answered questions related to the proposed water efficient landscape and irrigation standards.

**10/20/2023 Meeting with Bozeman Public Schools Director of Facilities**

Discussed the draft water efficient landscape and irrigation standards to identify in what capacity the standards will apply to future school district projects.

**10/24/2023 City Commission Meeting – Presentation and Adoption of the 2023 Water Conservation and Efficiency Plan**

Provided an overview of the 2023 Water Conservation and Efficiency Plan which included all program measures proposed for implementation within the plan, including the development of water efficient landscape and irrigation standards that align with the City Commission direction provided during the February 15, 2020 work session.

- [Meeting video and agenda](#)

**10/25/2023 Social Post to Instagram, Facebook, and Twitter**

Announced the adoption of the 2023 Water Conservation and Efficiency Plan and provided information for viewers to access the Plan. The Plan includes information on adopting the proposed water efficient landscape and irrigation standards.

**11/15/2023 HORT 310: Topics in Horticulture Class Presentation**

Provided information on plant water use, rebates, drought, and the development of water efficient landscape and irrigation standards.

**11/15/2023 Bridger Creek Neighborhood Association Presentation**

Presented information on water conservation rebates, the Beautify Your Boulevard community contest, and the proposed landscape and irrigation standards.

**11/29/2023 Setup table and display at Peet's Hill**

Water Conservation staff spent time at the base of Peet's Hill Park offering free hot cider and sharing information about the water efficient landscape and irrigation standards.

**12/2/2023 Social Post to Instagram, Facebook, and Twitter**

Invited residents to stop by the Water Conservation table during the 2023 Christmas Stroll to learn about the proposed water efficient landscape and irrigation standards.

**12/2/2023 Setup table and display at Bozeman's Christmas Stroll**

Water Conservation Specialists participated in Bozeman's Christmas Stroll and discussed the development of proposed water efficient landscape and irrigation standards.

**12/5/2023 Social Post to Instagram, Facebook, and Twitter**

Invited residents to stop by the water conservation table at Peet's Hill on 12/6 for free coffee and the opportunity to chat with staff about the proposed water efficient landscape and irrigation standards.

**12/6/2023 Setup table and display at Peet's Hill parking area**

Water Conservation staff spent time at the base of Peet's Hill Park offering free hot coffee and sharing information about the water efficient landscape and irrigation standards.

**12/6/2023 Email notification sent to all ProjectDox users**

Invited all recipients to participate in all upcoming engagement meetings and included a link to the project website to learn more and stay up to date on the City's progress for this project.

**12/6/2023 City of Bozeman news posting and enotification**

Invited readers to participate in all upcoming engagement meetings and included a link to the project website to learn more and stay up to date on the City's progress for this project.

**12/11/2023 Email notification sent to Community Development Design Professionals Group**



Provided project summary, include a link to the project webpage to learn more and stay engaged.

### **12/12/2023 Water Efficient Landscape and Irrigation Standards Focus Group Meeting #3 – Landscape Designers and Irrigation Contractors**

Discuss specific landscape and irrigation requirements outlined in the December 2023 draft Landscape and Irrigation Performance and Design Standards Manual.

### **12/13/2023 Water Efficient Landscape and Irrigation Standards Engagement Meeting # 4 – Professional Development Community**

Provided the following information followed by Q & A and general discussion:

- Bozeman water resource planning
- Water demand trends
- Local development trends
- Landscape plan approval pathways
- Proposed tree requirements
- Proposed soil requirements
- Proposed irrigation requirements
- An overview of supplemental resources including the water budget calculator and plant list
- An explanation of the process that was used to develop the standards manual
- Analysis of expected financial impacts due to the implementation of proposed standards
- A discussion of submittal requirements and plan review checklists for preliminary and final plat
- An explanation of the target timeline for legal review and adoption

### **12/18/2023 Social Post to Instagram, Facebook, and Twitter**

Summarized the purpose of the proposed water efficient landscape and irrigation standards and provided a link to the project webpage for viewers to learn more.

### **12/2023 Utility statement note**

Included a note on the utility bill sent to water customers in late December with information on the proposed water efficient landscape and irrigation standards with a link to the project website to learn more.

### **1/10/2024 Gallatin Association of Realtors Presentation**

Provided information on water supply issues, rebates, and the proposed water efficient landscape and irrigation standards.

### **1/10/2024 Sustainability Board Special Presentation**

Provided overview of proposed water efficient landscape and irrigation standards including proposed turf limitations, irrigation requirements, soil requirements, and submittal requirements, etc.

- [Meeting video](#)

### **1/11/2024 Inter Neighborhood Council (INC) Presentation**

Provided overview of proposed water efficient landscape and irrigation standards including proposed turf limitations, irrigation requirements and soil requirements.

- [Meeting video](#)

### **1/16/2024 Realty One Presentation**

Provided information on water supply issues, rebates, drought management and the proposed water efficient landscape and irrigation standards.

### **1/16/2024 Community Development Design Professionals Group Meeting Presentation**

Provided an update on this project, including anticipated public hearing dates.

### **1/22/2024 Community Development Board Special Presentation**

Provided overview of proposed water efficient landscape and irrigation standards including proposed turf limitations, irrigation requirements, soil requirements, and submittal requirements, etc.

- [Meeting video](#)

### **1/24/2024 Urban Parks and Forestry Board Special Presentation**

Provided overview of proposed water efficient landscape and irrigation standards including proposed turf limitations, irrigation requirements, soil requirements, and submittal requirements, etc.

- [Meeting video](#)

### **2/2/2024 ERA Landmark Real Estate Group Presentation**

Provided information on water supply issues, rebates, and the proposed water efficient landscape and irrigation standards.

### **2/5/2024 – 2/6/2024 Irrigation Association Landscape Irrigation Design Class**

The Water Conservation Division hosted this class to provide local design professionals with the education required to meet requirements outlined in the proposed ordinance and informed class attendees about the proposed water efficient landscape and irrigation standards.

### **2/7/2024 – 2/8/2024 – Irrigation Association Principles of Irrigation: Landscape Class**

The Water Conservation Division hosted this class to provide local design professionals with the education required to meet requirements outlined in the proposed ordinance and informed class attendees about the proposed water efficient landscape and irrigation standards.

### **2/15/2024 Calls to local developer groups**

Informed local developers working on current development projects of proposed water efficient landscape and irrigation standards, project timeline, and opportunities to provide input.

### **2/21/2024 Emails to local developer groups**

Sent an email to over 300 local developers and developer representatives to inform them of the proposed water efficient landscape and irrigation standards, project timeline, and opportunities to provide input.

### **2/21/2024 Presentation at Southwest Montana Building Industry Association (SWMBIA) Member Meeting**

Provided overview of proposed water efficient landscape and irrigation standards including proposed turf limitations, irrigation requirements, soil requirements, and submittal requirements, etc.

**3/19/2024 Community Development Design Professionals Group Meeting Presentation**

Will provide an overview of the proposed water efficient landscape and irrigation standards and update meeting attendees on public hearing timeline and proposed effective date of the ordinance.

**3/23/2024 – 3/24/2024 Southwest Montana Building Industry Association (SWMBIA) Home Show**

Water conservation staff will have a table at the SWMBIA home show to provide information to attendees about the proposed water efficient landscape and irrigation standards.

**3/26/2024 – 3/28/2024 Qualified Water Efficient Landscaper (QWEL) Course**

The Water Conservation Division will host this class to provide local design professionals with the education required to meet requirements outlined in the proposed ordinance will inform QWEL course attendees about the proposed water efficient landscape and irrigation standards.

**4/1/2024 – Community Development Board Hearing**

The Community Development Board will conduct a public hearing on the proposed water efficient landscape ordinance (Ordinance 2155).

**4/3/2024 – BCAN Neighborhood Meeting**

Staff will provide an update on the City's water conservation planning efforts, including rebates, free resources, drought management, and the proposed water efficient landscape and irrigation standards.

**4/18/2024 – Kirk Park Neighborhood Meeting**

Staff will provide an update on the City's water conservation planning efforts, including rebates, free resources, drought management, and the proposed water efficient landscape and irrigation standards.

**4/23/2024 – City Commission Hearing**

The City Commission will conduct a public hearing on the proposed water efficient landscape ordinance (Ordinance 2155) and Landscape and Irrigation Performance and Design Standards Manual (Resolution 5586).