



HIGHLAND CITY

HIGHLAND CITY COUNCIL MINUTES

Tuesday, March 11, 2025

Approved June 10, 2025

CITY COUNCIL & PLANNING COMMISSION JOINT MEETING

Highland City Council Chambers, 5400 West Civic Center Drive, Highland, Utah 84003

7:00 PM WORK SESSION

Call to Order: Mayor Kurt Ostler

Invocation: Commissioner Trent Thayn

Pledge of Allegiance: Council Member Doug Cortney

The meeting was called to order by Mayor Kurt Ostler as a joint meeting at 7:05 pm. The meeting agenda was posted on the Utah State Public Meeting Website at least 24 hours prior to the meeting. The prayer was offered by Planning Commissioner Trent Thayn and those in attendance were led in the Pledge of Allegiance by Council Member Doug Cortney.

PRESIDING: Mayor Kurt Ostler

COUNCIL MEMBERS:

Brittney P. Bills	Present
Ron Campbell	Present
Doug Cortney	Present
Kim Rodela	Present
Scott L. Smith	Present

PLANNING COMMISSION MEMBERS:

Jerry Abbott	Absent
Tracy Hill	Absent
Christopher Howden	Absent
Claude Jones	Absent
Sherry Kramer	Present
Debra Maughan	Present
Audrey Moore	Present
Trent Thayn	Present
Wesley Warren	Present

CITY STAFF PRESENT: City Administrator Erin Wells, Assistant City Administrator/Community Development Director Jay Baughman, City Attorney/Planning & Zoning Administrator Rob Patterson, City Recorder Stephannie Cottle

OTHERS PRESENT: Jon Hart, Sam Taylor, Aubrey Larsen

1. PRESENTATIONS

- a. **Highland City General Plan** Jay Baughman, Assistant City Administrator/Community Development Director, Rob Patterson, City Attorney/Planning & Zoning Administrator

The City Council and Planning Commission will discuss the elements of the Highland City General Plan.

Sam Taylor and Aubrey Larsen of Landmark Design used the aid of a PowerPoint presentation to facilitate discussion among the City Council and Planning Commission regarding the Water Use and Preservation element of the proposed 2025 General Plan update. Mr. Taylor first provided a summary of the intent and role of a general plan in a municipality and noted Utah Code allows for general plans to contain any elements the City feels appropriate, but four core sections are required: land use, housing, transportation, and water use and preservation. Landmark Design anticipates an individual workshop for each of the five elements included in Highland's General Plan: water use and preservation; transportation; land use, housing and economic development; parks, trails and open space; and environment/public facilities. Landmarks approach to drafting each element of the General Plan includes:

1. **Define the current conditions**
 - a. Technical Analysis
 - b. Input from Community Outreach
2. **Determine desired future conditions**
 - a. Plan preparers make recommendations
 - b. Planning Commission/City Council decide which to take
3. **Outline the path to move towards those desired conditions**
 - a. Goals and Implementation Strategies

The goals for the discussion are to verify data and explore strategies, policies, and ideas related to water use and preservation.

Ms. Larsen then provided some context for the discussion regarding water use and preservation; State Bill (SB) 110, which was adopted in 2022, requires most municipalities and all counties to amend their general plans to address how land use planning impacts water use. The amendments must be adopted by December 2025 and must meet grant checklist requirements in order for the City to receive awarded grant funding. She then presented the requirements that must be included in the water use and preservation element of the Plan:

- The effect of permitted development or development patterns on water demand and water infrastructure. **This is asking you to develop a water budget** (*an estimation of water flows into and out of a system tied to current & future land use, population, and conservation*).
- **Methods of reducing water demand and per capita water use** for existing and future development
- Modifications that can be made to a local government's operations to **reduce and eliminate wasteful water practices**.
- If the city is located within the Great Salt Lake Watershed, they must consider how their general plan water element will **impact Great Salt Lake**.
- Consider how **regional water conservation goals** will be achieved through the general plan water element.

She presented a graph illustrating regional water conservation goals for Highland and other parties of Utah County along the Provo River; regional goals can include indoor use, outdoor use, and general water conservation. The Planning Commission must recommend the following:

- Water **conservation policies** to be determined by the municipality.
- **Landscaping options** within a public street for current and future development that **do not require the use of lawn or turf** in a park strip. (this requirement has already been met).

- **Changes to an ordinance** that promotes the inefficient use of water.
- **Low water use landscaping standards** for any new:
 - Commercial, industrial or institutional development.
 - Common interest community (a property where owners share common rights and obligations e.g. a condo)
 - Multifamily housing project.

Ms. Larsen then shifted to the topic of collecting and analyzing data that has informed the proposed water use and conservation element of the General Plan; community insights indicate the following:

- **88% of residents** share a moderate to major concern for the future of the City's water supply (*2022 USU Wellbeing Project Survey*)
- Residents are concerned about the future water supply, but since it **isn't an immediate or visible threat**, it isn't a primary focus.
- Residents show some support for conservation measures such as converting **underutilized park lawns to water-efficient landscapes** and **incentivizing water-saving practices** in public and private spaces.
- Residents expressed the most interest in **rebate programs and other forms of technical and financial assistance** for installing water-wise landscapes and other resource-intensive water-saving efforts.
- Current incentives are either inadequate or unavailable, leaving many residents **without the motivation or resources** needed to make these changes.

She noted Landmark Design also reviewed a number of Highland City data sources, including the 2022 Conservation Plan, website, City Code, Master Plans, and several documents prepared by the State of Utah and State Universities. She reviewed the structure of the proposed water use and conservation element of the General Plan. Each element has a purpose, current condition, and desired condition section. Chapter one provides the introduction and purpose statement for the element. Chapter two provides a snapshot of the Highland water systems. Chapter three discusses the relationship between land use and water use. Chapter four highlights the tracking of Highland water use and demand. Chapter five discusses regional conservation goals. Chapter six provides information looking to the future and a conclusion for the element.

Council Member Scott L. Smith arrived at 7:10 p.m.

Ms. Larsen then stated she and Mr. Taylor would like to engage in discussion with the group regarding what Highland is currently doing as well as recommendations to meet the State requirements pertaining to water use and conservation. She asked which options have the most merit for Highland to pursue and she encouraged consideration of public interest, ease of implementation, impact/reach of the action and if it helps to fulfill a State requirement. Based on the Department of Wildlife Resources (DWR) best management practices (BMPs), Utah's Regional M&I Conservation Goals, and Utah Growing Water Smart the categories of policy options made actionable are:

1. Ordinances, Standards, & Development Policies
2. Rebates, Incentives, & Rewards
3. Water Conservation Coordinator, Committee, or Team
4. Physical System
5. Outreach & Education
6. Water Conservation Pricing
7. Planning & Goal Setting

Examples of ordinances, standards, and development policies include water-efficient landscaping ordinances; time of day watering requirements; and a water conserving plumbing code. Current efforts being administered in Highland include:

- All new developments are required to connect to the pressurized irrigation system.
- Developers are required to provide water rights to the City.
- Time of day watering requirement.
- Maximum number of watering days.
- Sensitive land ordinance protects watershed recharge zones, wetlands, streams, etc.
- **2020 Development Code Updates**
 - **All park strips are required to be landscaped using xeriscape or water-wise methods.**
 - The City's "Landscaping" definition was updated to mean the use and integration of traditional landscape design methods including xeriscape.
 - "Xeriscape" was added to the Development Code definitions.
- **2023 Parkway Detail Update**
 - **All new parkway details are required to be xeriscaped.**
 - Xeriscaping is now required in new parkway detail, and the City worked with developers to provide at least partial xeriscaping between 2019-2023.

The current proposal BMP number one, is to amend city code to require water efficient landscaping in new and reconstructed commercial, industrial, institutional, multifamily housing projects, and residential landscapes. Examples of low water use landscaping requirements include:

- Limitations on the use of turf
- Promotion of Low Impact Development (LID) principles
- Limitations on ponds, pools, and other features that promote unnecessary water evaporation
- Restrictions on "zero-scapes" and artificial turf
- Recommendations for water-conserving landscape design
- Requirements for drip irrigation

Other ideas and options also include:

- Seek or use existing funding **to transition existing parkway details** and other city-maintained park strips from turf to xeriscape
- Determine **further opportunities to integrate water-wise principles and language** into appropriate City Ordinances, Standards, and Development Policies (e.g. Highland City Design Standards)
- Other ideas (ordinances, standards, & development policies)?

The group engaged in philosophical discussion of imposing uniform water efficient landscaping requirements to the entire City or whether the requirements should be adjusted and tailored to each land use zone in the City; the need to provide a clear definition of xeriscape because many believe that replacing grass with gravel is xeriscaping. The group concluded they do want to require water efficient landscaping in new and reconstructed commercial, industrial, institutional, multifamily housing projects, and some residential landscapes. They did not want the same requirements that will be imposed on commercial uses to also be imposed on residential landscapes, but they did want to make some adjustments to residential landscape requirements.

Ms. Larsen then discussed BMP number two, examples of rebates, incentives, and rewards for water conservation:

- Meet recommended community water efficiency standards that **help residents to take advantage of rebate programs** offered by the State/Central Utah Water Conservancy District (CUWCD) (see letter in Water Conservation Plan).
- Adopt a **Highland-sponsored** water conservation incentive program(s)
- Other ideas (rebates, incentives, & rewards)?

The group indicated they would like information about what other cities are doing in terms of rebates or incentives,

particularly those cities that have developed their own rebate or incentive program. They concluded by expressing a willingness to explore the rebate programs offered by the CUWCD.

Ms. Larsen noted BMP number three is the creation of a water conservation coordinator position, committee, or team charged with coordination of public information campaigns. The group discussed assigning this responsibility to the Assistant Public Works Director, who would be required to provide water use reports on an annual basis. City Administrator Wells indicated Public Works staff will be able to provide meaningful information regarding water use, but she does not believe it is appropriate to assign public information efforts to that Department. The data provided by Public Works could be used to develop conservation strategies. The group supported that idea.

Ms. Larsen indicated BMP number four relates to the City's physical water system. Current and developing efforts related to the system include:

- Existing **pressurized irrigation system**.
- **Smart irrigation systems** installed at new public parks and facilities.
- The Highland Gravel Pit area, now owned by Central Utah Water Conservancy District, is one of two potential sites being considered for a **future aquifer recharge project**. Aquifer recharge refers to the process of replenishing underground water sources in order to provide stable, long-term water storage.

The group discussed the status of installing smart irrigation controllers at City facilities, to which Ms. Wells noted that project should be completed in the next few years, as it is dependent on several factors. Metering private connections to the pressurized irrigation system is also underway and the group discussed technology that will give users easy access to their meter data.

Ms. Larsen noted BMP number five relates to outreach and education. Examples of ideas for the group to consider include sharing water conservation resources with the public, educating customers on water conservation BMPs, and collaboration on education events and programs. The group discussed specific ideas for outreach and education and there was support for pursuing youth education programs through the local schools regarding water conservation.

Ms. Larsen referred back to BMP number one relating to standards and policies and stated she did not get a response from the group regarding whether to require all new parkway details to be xeriscaped. The group communicated they support xeriscaped parkway details for new projects but were unsure about whether to immediately pursue landscaping conversion on existing parkway details.

Ms. Larsen stated BMP number six relates to water conservation pricing and includes options like setting tiered rates with higher rates for higher consumption, charges for secondary water based on individual use, and high-water use notifications. There were no recommendations from the group regarding this BMP.

The final BMP, number seven, relates to planning and goal setting; the City currently has a Water Conservation Plan that was adopted in 2022 and should be updated every five years. Ideas and options for this BMP include:

- Link water supply and demand, conservation, recharge and reuse priorities and policies **across all related plans** (e.g. Water Conservation Plan, Stormwater Management Plans, Capital Improvement Plans, etc.)
- **Develop a Drought Response or Water Shortage Plan** (preserves and protects public health, safety, and welfare during periods of drought, temporary water shortage and supply interruption.)

The group supported the idea of developing a drought response or water shortage plan. The engaged in philosophical discussion and debate of appropriate water restrictions during drought conditions; and plans for

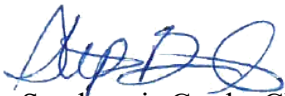
upgrading the pressurized irrigation system in the future.

Ms. Larsen concluded that the next work session meeting with the group will focus on the transportation element of the General Plan. There was discussion about the structure and format of that meeting and the need for presentation materials to be provided to the group well in advance of the meeting. The group also discussed the option of breaking into smaller groups that would not constitute a quorum and drive throughout the City to view different areas that will be discussed during the transportation work session.

ADJOURNMENT

The meeting concluded at 8:50 pm.

I, Stephannie Cottle, City Recorder of Highland City, hereby certify that the foregoing minutes represent a true, accurate and complete record of the meeting held on March 11, 2025. This document constitutes the official minutes for the Highland City Council/Planning Commission Meeting.



Stephannie Cottle, CMC, UCC
City Recorder

HIGHLAND GENERAL PLAN UPDATE 2025

Water Use & Preservation

PLANNING COMMISSION/CITY COUNCIL
WORKSHOP
MARCH 11, 2025
7:00 pm

1

ROLE OF THE GENERAL PLAN

- A general plan is an **advisory guide** to land use decisions.
- It describes **where you are, where you want to be, and how you will get there.**
- A general plan **does NOT create regulations or requirements, but may recommend new policies** or regulations as implementation strategies.
- Under state law, **public infrastructure cannot be authorized or constructed** if it does not conform to the general plan.

2

GENERAL PLAN ELEMENTS

Utah code allows for general plans to contain any elements which the City feels are appropriate. Per Utah state code, there are **four sections** that are required:

1. Land Use
2. Housing
3. Transportation
4. **Water Use & Preservation**



3

ANTICIPATED WORKSHOPS

1. **Water Use & Preservation**
2. Transportation
3. Land Use, Housing, & Economic (x2)
4. Parks, Trails, Open Space
5. Environment, Public Facilities

4

APPROACH TO DRAFTING EACH ELEMENT

One common approach to planning is to:

1. **Define the current conditions**
 - a. Technical Analysis
 - b. Input from Community Outreach
2. **Determine desired future conditions**
 - a. Plan preparers make recommendations
 - b. Planning Commission/City Council decide which to take
3. **Outline the path to move towards those desired conditions**
 - a. Goals and Implementation Strategies

5

GOALS FOR TODAY

Today we are:

- Verifying Data
- Exploring strategies, policies, and ideas related to water use and preservation

The goal is not to get in the weeds



6

WATER USE & PRESERVATION

CONTEXT & STATE REQUIREMENTS

7

CONTEXT

S.B. 110: Water as Part of the General Plan in 2022

- Requires most municipalities and all counties to amend their general plans to **address how land use planning impacts water use**.
- Must be adopted by **December 2025**
- Must **meet city grant checklist** requirements to receive grant funding
 - The requirements are the same as S.B. 110 with some added clarity (water budget).

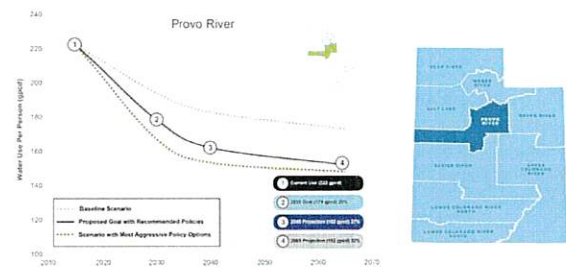
8

REQUIREMENTS

- The effect of permitted development or development patterns on water demand and water infrastructure. This is asking you to develop a **water budget** (an estimation of water flows into and out of a system tied to current & future land use, population, and conservation).
- Methods of **reducing water demand and per capita water use for existing and future** development
- Modifications that can be made to a local government's operations to **reduce and eliminate wasteful water practices**.
- If the city is located within the Great Salt Lake Watershed, they must consider how their general plan water element will **impact Great Salt Lake**.
- Consider how **regional water conservation goals** will be achieved through the general plan water element.

9

REGIONAL CONSERVATION GOALS



10

REGIONAL CONSERVATION GOALS

Conservation Policy Options

Indoor Use:

- Appliance upgrades/leak repairs

Outdoor Use

- Increases in Efficiency
- Changes in Landscaping
- Changes in Development Density

General

- Water Conservation Education
- Conservation Pricing

11

REQUIREMENTS CONTINUED

The Planning Commission must recommend the following:

- Water **conservation policies** to be determined by the municipality.
- Landscaping options** within a public street for current and future development that **do not require the use of lawn or turf** in a parkstrip.
- Changes to an ordinance** that promotes the inefficient use of water.
- Low water use landscaping standards** for any new:
 - Commercial, industrial or institutional development.
 - Common interest community (a property where owners share common rights and obligations e.g. a condo).
 - Multifamily housing project.

12

WHERE DID WE START?

COLLECTING & ANALYZING DATA

13

COMMUNITY INSIGHTS

- **88% of residents** share a moderate to major concern for the future of the City's water supply (2022 USU Wellbeing Project Survey)
- Residents are concerned about the future water supply, but since it isn't an **immediate or visible threat**, it isn't a primary focus.
- Residents show some support for conservation measures such as converting **underutilized park lawns to water-efficient landscapes** and incentivizing water-saving practices in public and



14

COMMUNITY INSIGHTS

To summarize:

- Residents expressed the most interest in **rebate programs and other forms of technical and financial assistance** for installing water-wise landscapes and other resource-intensive water-saving efforts.
- Current incentives are either inadequate or unavailable, leaving many residents **without the motivation or resources** needed to make these changes.

15

HIGHLAND DATA SOURCES

- Highland Water Conservation Plan (2022)
- Highland City Website: Pressurized Irrigation/PI Metering
- City Code
 - [Chapter 3-521 Park or Planter Strips](#)
 - [Chapter 8 Sensitive Lands](#)
 - [Chapter 10 Definitions](#)
 - [Chapter 13.6 Culinary Water Service Billing & Collection Procedures](#)
 - [Chapter 13.7 Water Conservation](#)
- Other Plans:
 - Stormwater Management Plan (2021)
 - Wastewater Collection Master Plan (2020)
 - Impact Fee Facilities Plan and Impact Fee Analysis (2020)
 - Pressurized Irrigation System Master Plan (2019)
 - Drinking Water Master Plan (2012)
 - Storm Drainage Master Plan (2007)

16

OTHER DATA SOURCES

- Utah's Regional M&I Water Conservation Goals (2019)
- Utah Growing Water Smart: The Water-Land Use Integration Guidebook (2024)
- Prepared 60 Securing Utah's Economic Future. (2018). Understanding Utah's Water Municipal Manual 1st Edition.
- Principles of Water Wise Landscaping. Utah State University

17

WATER ELEMENT STRUCTURE

TELLING HIGHLAND'S WATER STORY

18

ELEMENT (CHAPTER) STRUCTURE

How each General Plan Chapter is structured:

1. **Section Purpose**
 - a. Introduction
2. **Current Condition**
 - a. Highland Water System Snapshot
 - b. Water & Land Use
 - c. Highland Water Use & Demand
 - d. Regional Conservation
3. **Desired Condition**
 - a. Looking Forward
 - b. Goals & Implementation Strategies

19



Helps to fulfill a state requirement



Could help to fulfill a state requirement

20

1 - INTRODUCTION

- Chapter purpose
- Community Insights Summary

KEY TERM: WATER-WISE

"Water-wise" refers to practices and strategies that emphasize the efficient and sustainable use of water, particularly in landscaping and land development

21



Methods of reducing water demand or increasing water supply include use for existing and future development.

2 - HIGHLAND WATER SYSTEM SNAPSHOT

- Culinary Water System
- Pressurized Irrigation System
 - Secondary Metering Project & Future Rate Study



22



3 - WATER & LAND USE

Water Use As It Relates to Different Land Uses (will reflect updated land use map)

- Residential Uses
- Commercial & Office Uses
- Institutional Uses
- Parks & Open Space
- Other (Mixed Uses/Industrial & Vacant Land/Gravel Pit Area)

The effect of permitted development or development planning on water demand and water infrastructure.

Methods of reducing water demand and/or capital water use for existing and future development.

Indications that due to trends in local governments, conditions to reduce and eliminate wasteful water practices.

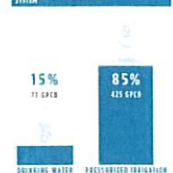
23



4 - HIGHLAND WATER USE & DEMAND

- Tracking Water Use & Demand
- Highland Water Use Trends
- **Water Budget** (depends on future land use)

FIGURE 1.9 - AVERAGE 2016-2020 AFD BY WATER SYSTEM



24

5 - REGIONAL CONSERVATION

If the city is located within the Great Salt Lake Watershed, they must consider how their general plan water elements will impact Great Salt Lake.

How Regional water conservation goals will be achieved through the general plan water elements.

Regional Conservation Goals

- The Provo River region is targeting a **20% reduction in outdoor water use by 2030**, a goal Highland is also pursuing.

Region	Baseline 2010					Target 2030				
	2010	2015	2020	2025	2030	2010	2015	2020	2025	2030
Provo River	100%	95%	90%	85%	80%	80%	75%	70%	65%	60%

25

6 - LOOKING FORWARD

- Integrating water conservation, efficiency, and reuse into land use planning.
- Conclusion
- Goals & Implementation Strategies

Table 5.2 - Intervention Points, Goals, and Their Progress for Sustainable Water and Land Use

POINT OF INTERVENTION	TOOL/MEASURE	PURPOSE
Planning & Goal Setting	General Plan, Conservation Plans, Education Management Plans, Capital Improvement Plans, Hazard Mitigation Response and Recovery Plans	Establishes local water needs, current and future demands, and related community economic values. Establishes goals and objectives for managing the intersection of natural resources and the built environment.

26

DISCUSSION

WHAT HIGHLAND IS CURRENTLY DOING & RECOMMENDATIONS TO MEET STATE REQUIREMENTS

27

PROMPTS FOR DISCUSSION

- We will review both current measures Highland is following and potential measures which could be added.
 - Which of the potential options have the most merit for Highland to pursue?
 - Considerations may include public interest, ease of implementation, cost for implementation, impact/reach of the action
 - Does it help to fulfill a State requirement?

28

BEST MANAGEMENT PRACTICES (BMPs)

Policy Options made Actionable (Remember Utah's Regional M&I Water Conservation Goals?)

Based on DWR BMPs, Utah's Regional M&I Conservation Goals, & Utah Growing Water Smart the categories are:

- Ordinances, Standards, & Development Policies
- Rebates, Incentives, & Rewards
- Water Conservation Coordinator, Committee, or Team
- Physical System
- Outreach & Education
- Water Conservation Pricing
- Planning & Goal Setting

29

BMP Category #1

ORDINANCES, STANDARDS, & DEVELOPMENT POLICIES

Examples

- Water-Efficient Landscaping Ordinances
- Time of Day Watering Requirements
- Water-Conserving Plumbing Code

30

Ordinances, Standards, & Development Policies

CURRENT EFFORTS

- All new developments are required to connect to the pressurized irrigation system.
- Developers are required to provide water rights to the City.
- Time of day watering requirement.
- Maximum number of watering days.
- Sensitive land ordinance protects watershed recharge zones, wetlands, streams, etc.

Methods of reducing water demand and per capita water use for existing and future developments

Low water use landscaping standards for new developments

31

Ordinances, Standards, & Development Policies

CURRENT EFFORTS

- **2020 Development Code Updates**
 - All park strips are required to be landscaped using xeriscape or water-wise methods.
 - The City's "Landscaping" definition was updated to mean the use and integration of traditional landscape design methods including xeriscape.
 - "Xeriscape" was added to the Development Code definitions.
- **2023 Parkway Detail Update**
 - All new parkway details are required to be xeriscaped.
 - Xeriscaping is now required in new parkway detail, and the City worked with developers to provide at least partial xeriscaping between 2019-2023.

Landscaping requires within a public strip for development and future development that do not require the use of lawn or turf in a parkway

32

Ordinances, Standards, & Development Policies

OTHER IDEAS & OPTIONS

- Amend city code to require water efficient landscaping in new and reconstructed **commercial, industrial, institutional, and multifamily housing projects**.
- Amend city code to require water efficient landscaping in new and reconstructed **residential landscapes**.

Example low water use landscaping requirements:

- Limitations on the use of turf
- Promotion of Low Impact Development (LID) principles (see also Chapter 8)
- Limitations on ponds, pools, and other features that promote unnecessary water evaporation
- Restrictions on "zero-scapes" and artificial turf
- Recommendations for water-conserving landscape design
- Requirements for drip irrigation

Methods of reducing water demand and per capita water use for existing and future developments

Changes to landscaping that promote the efficient use of water

Low water use landscaping standards for new developments

33

Ordinances, Standards, & Development Policies

OTHER IDEAS & OPTIONS

- Seek or use existing funding **to transition existing parkway details** and other city-maintained park strips from turf to xeriscape
- Determine **further opportunities to integrate water-wise principles and language** into appropriate City Ordinances, Standards, and Development Policies (e.g. Highland City Design Standards)
- Other ideas (ordinances, standards, & development policies)?

Methods of reducing water demand and per capita water use for existing and future developments

Changes to landscaping that promote the efficient use of water

Low water use landscaping standards for new developments

34

BMP Category #2

REBATES, INCENTIVES, & REWARDS

Examples

- Rebates for high efficiency appliances, fixtures, irrigation smart controllers, drip irrigation, nozzles, landscape conversions, etc.

35

Rebates, Incentives, & Rewards

OTHER IDEAS & OPTIONS

- Meet recommended community water efficiency standards that **help residents to take advantage of rebate programs** offered by the state/CUWCD (see letter in Water Conservation Plan).
- Adopt a **Highland-sponsored** water conservation incentive program(s)
- Other ideas (rebates, incentives, & rewards)?

Methods of reducing water demand and per capita water use for existing and future developments

Changes to landscaping that promote the efficient use of water

Low water use landscaping standards for new developments

36

BMP Category #3

WATER CONSERVATION COORDINATOR, COMMITTEE OR TEAM

Examples

- Designated Water Conservation Coordinator
- Committee/team charged with coordination, public information campaigns, etc.

37

Water Conservation Coordinator/Committee



CURRENT EFFORTS

- The Assistant Public Works Director is the **designated Conservation Coordinator**.
- The Conservation Coordinator **reviews water use on an annual basis** at the end of each year to determine the effectiveness of the conservation measures.

38

Water Conservation Coordinator/Committee



OTHER IDEAS & OPTIONS

- **Create a committee/team/board** with a chair to help research, coordinate, create and implement public information campaign(s), water conservation programs and incentives.
 - Align shared interests, expand resources, and enhance the overall success of protecting and preserving the watershed — including the Great Salt Lake — by **building and maintaining lasting relationships** with watershed neighbors and partners.

39

BMP Category #4

PHYSICAL SYSTEM

Examples

- Install & maintain efficient irrigation & smart controller technology
- Water metering

40

Physical System



CURRENT/DEVELOPING EFFORTS

- Existing **pressurized irrigation system**.
- **Smart Irrigation systems** installed at new public parks and facilities.
- The Highland Gravel Pit area, now owned by Central Utah Water Conservancy District, is one of two potential sites being considered for a **future aquifer recharge project**. Aquifer recharge refers to the process of replenishing underground water sources in order to provide stable, long-term water storage.

41

BMP Category #5

OUTREACH & EDUCATION

Examples

- Share water conservation resources with the public
- Educate customers on water conservation best practices
- Hold or collaborate on events, programs, etc.

42

Outreach & Education



CURRENT/DEVELOPING EFFORTS

- Watering requirements are **mailed to residents**.
- Highland **maintains a webpage** dedicated to water conservation information.
- The City utilizes **social media, emails, texts, flyers, website and mailers** to provide conservation awareness.

Methods of reducing water demand and per capita water use for existing developments.

43

Outreach & Education



OTHER IDEAS & OPTIONS

- Provide or support for **youth education programs** at local schools to learn about water conservation.
- Provide **new homeowners** with water-efficient landscape information.
- Other ideas (outreach & education)?

Methods of reducing water demand and per capita water use for existing and future developments.

44

BMP Category #6

WATER CONSERVATION PRICING

Examples

- Setting tiered rates
- (higher tiers for higher consumption)
- Charges for secondary water based on individual use
- High water use notifications

45

Water Conservation Pricing



CURRENT/DEVELOPING EFFORTS

- High culinary water use is **penalized**.
- Highland utilizes a **tiered rate structure** to bill for drinking water use.
- Hydrant meters are used to **meter and charge contractors** for water use.
- Secondary metering project** underway
- Future **water rate study** based on secondary water system metering, which can lead to new PI rates that include tiered rates to discourage excessive PI water use.

Methods of reducing water demand and per capita water use for existing and future development.

Modifications that can be made to a local government's operations to reduce and eliminate wasteful water practices.

46

BMP Category #7

PLANNING & GOAL SETTING

Examples

- Link related plans (Water Conservation Plan, Water Master Plans, Sewer Master Plan, Capital Improvement Plans, etc.)

47

Planning & Goal Setting



CURRENT/DEVELOPING EFFORTS

- Highland has a **Water Conservation Plan, adopted in 2022**. The plan should be updated every 5 years.

Methods of reducing water demand and per capita water use for existing and future development.

Modifications that can be made to a local government's operations to reduce and eliminate wasteful water practices.

48



Planning & Goal Setting

Network of increasing water demand and fast growth means we need **new solutions** to meet demand sustainably

Urgency about how to best manage our water resources to protect and provide a sustainable water future

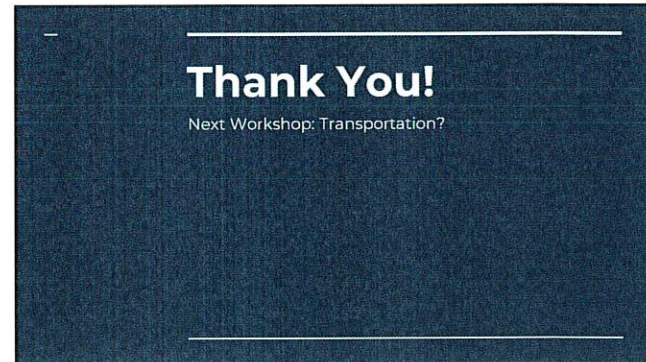
Low water use incentives are needed for new development

Changes to our economy to help promote more efficient use of water

OTHER IDEAS & OPTIONS

- Link water supply and demand, conservation, recharge and reuse priorities and policies **across all related plans** (e.g. Water Conservation Plan, Stormwater Management Plans, Capital Improvement Plans, etc.)
- **Develop a Drought Response or Water Shortage Plan** (preserves and protects public health, safety, and welfare during periods of drought, temporary water shortage and supply interruption.)
- Other ideas (planning & goal setting)?

49



Thank You!

Next Workshop: Transportation?

50