



WATER FORWARD

INTEGRATED WATER RESOURCE PLAN

Austin Integrated Water Resource Planning Community Task Force

Packet Index

June 5, 2018

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Austin Integrated Water Resource Planning Community Task Force
June 05, 2018 – 4:00 p.m.
Waller Creek Center, Room 104
625 East 10th Street
Austin, Texas 78701

For more information go to:
[Austin Integrated Water Resource Planning Community Task Force](#)

AGENDA

Voting Members:

Sharlene Leurig - Chair	Marianne Dwight	Sarah Richards
Jennifer Walker – Vice Chair	Diane Kennedy	Lauren Ross
Todd Bartee	Perry Lorenz	Robert Mace
Clint Dawson	Bill Moriarty	

Ex Officio Non-Voting Members:

Austin Water: Greg Meszaros
Austin Energy: Kathleen Garrett
Austin Resource Recovery: Sam Angoori
Neighborhood Housing and Community Development: Rebecca Giello
Office of Innovation: Kerry O'Connor
Office of Sustainability: Lucia Athens
Parks and Recreation: Sara Hensley
Watershed Protection: Mike Personett

1. CALL TO ORDER – June 05, 2018, 4:00 p.m.

2. CITIZEN COMMUNICATION

The first 10 speakers signed up prior to the meeting being called to order will each be allowed a three-minute allotment to address their concerns regarding items not posted on the agenda.

3. APPROVAL OF MEETING MINUTES

- a. Approval of the meeting minutes from the May 01, 2018 Task Force meeting (5 minutes)

4. STAFF BRIEFINGS, PRESENTATIONS, AND OR REPORTS

- a. Near Term Schedule Update – City Staff (20 minutes)
 - a. Task Force Discussion and Input
- b. Staff Presentation on Draft Plan Report - City Staff (60 minutes)
 - a. Task Force Discussion and Input

5. SUBCOMMITTEE REPORTS

6. VOTING ITEMS FROM TASK FORCE

7. FUTURE AGENDA ITEMS

8. ADJOURN

Note: Agenda item sequence and time durations noted above are subject to change.

The City of Austin is committed to compliance with the American with Disabilities Act. Reasonable modifications and equal access to communications will be provided upon request. Meeting locations are planned with wheelchair access. If requiring Sign Language Interpreters or alternative formats, please give notice at least 2 days (48 hours) before the meeting date. Please call Austin Integrated Water Resource Planning Community Task Force, at 512-972-0194, for additional information; TTY users route through Relay Texas at 711.

For more information on the Austin Integrated Water Resource Planning Community Task Force, please contact Marisa Flores Gonzalez at 512-972-0194.

MINUTES



The Austin Integrated Water Resource Planning Community Task Force convened in a Regular Meeting on May 01, 2018 at Waller Creek Center, Conference Rm 104, 625 E 10th Street, in Austin, Texas.

Members in Attendance:

Sharlene Leurig – Chair
Jennifer Walker – Vice Chair
William Moriarty

Diane Kennedy
Todd Bartee
Lauren Ross

Marianne Dwight
Perry Lorenz
Clint Dawson

Ex-Officio Members in Attendance:

Matt Russell, Mike Kelly

Staff in Attendance:

Greg Meszaros, Kevin Critendon, Daryl Slusher, Teresa Lutes, Marisa Flores Gonzalez, Mark Jordan, Helen Gerlach, Bruk Berhanu, Sara Hoes

Additional Attendees:

Stefan Schuster, John Burke, Ron Anderson, Wendy Gordon, David Briggs, Jerry Roane, Jeff Wacker, Bobby Lewinsky, James Dwyer

1. CALL TO ORDER

Sharlene Leurig, Chair, called the meeting to order at 4:04 p.m.

2. CITIZEN COMMUNICATION: GENERAL

Stefan Schuster urged the Task Force to communicate back to Council Members on what might be priorities from a budgeting perspective.

3. APPROVAL OF MEETING MINUTES

The meeting minutes from the April 19, 2018 Austin Integrated Water Resource Planning Community Task Force special called meeting were approved on Member Moriarty's motion and Member Kennedy's second on a 6-0-3-2 vote with Member Leurig, Member Dawson and Member Lorenz abstaining and Member Richards and Member Mace absent.

4. STAFF BRIEFINGS, PRESENTATIONS, AND/OR REPORTS

- a. Presentation on Revised Draft Plan Recommendations and Implementation Outlook was provided by Marisa Flores-Gonzalez, Austin Water. This presentation was followed by Task Force discussion and input, followed by questions and answers.
- b. Presentation on high level walk through of Draft Plan Report was provided by Marisa Flores Gonzalez, Austin Water. This presentation was followed by Task Force discussion and input, followed by questions and answers.

5. SUBCOMMITTEE REPORTS

None

6. VOTING ITEMS FROM TASK FORCE

7. FUTURE AGENDA ITEMS

None

Chair Leurig adjourned the meeting at 5:47 pm.

PRESENTATION



WATER FORWARD

INTEGRATED WATER RESOURCE PLAN

Water Forward Task Force Meeting

June 5, 2018

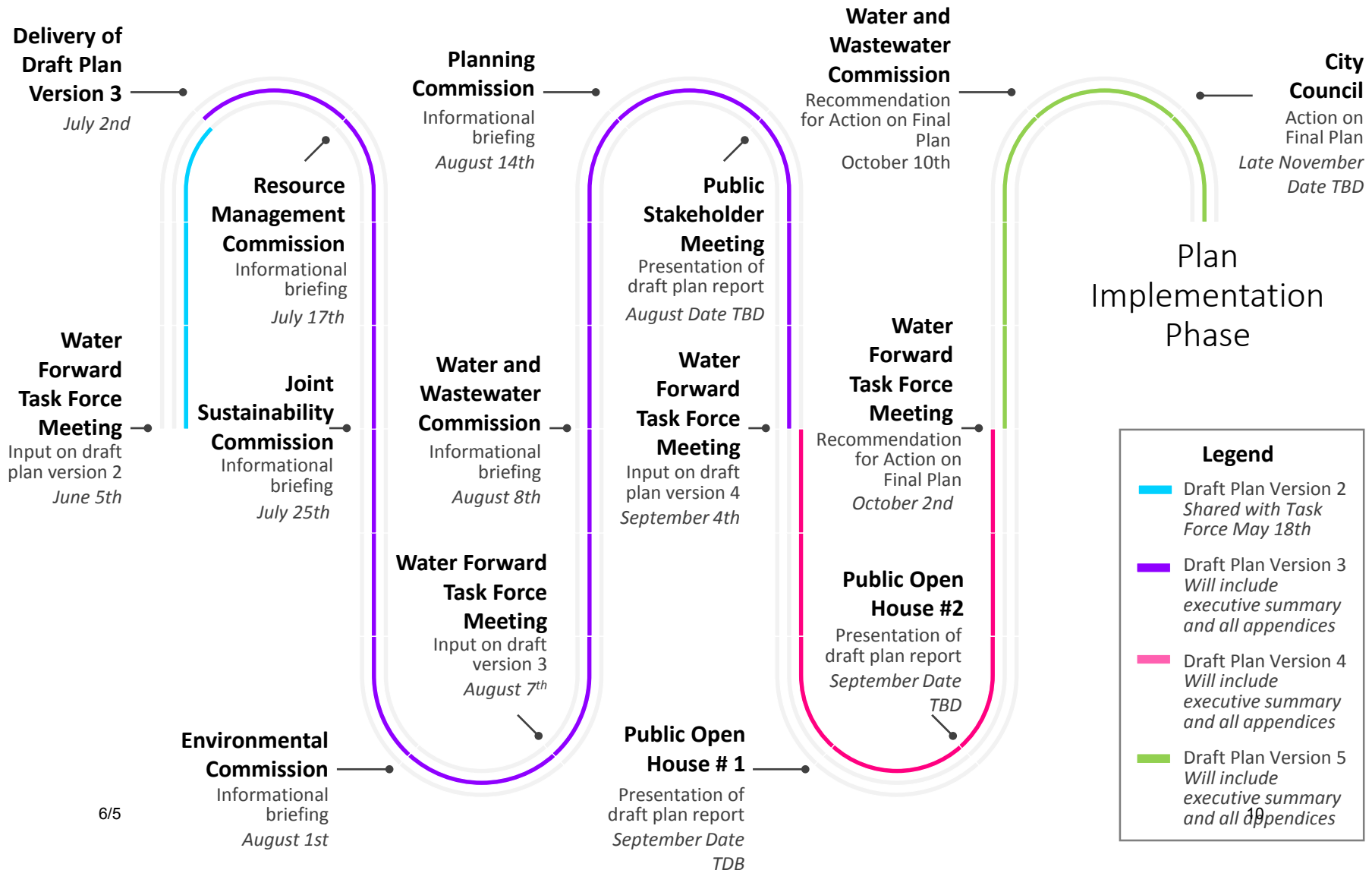


Agenda

- Schedule Update
 - Task Force Discussion and Input
- Staff Presentation on Draft Water Forward Plan Report
 - Task Force Discussion and Input

Schedule Update

Schedule – Subject to Change



Draft Water Forward Plan Report

Task Force Input on Draft Water Forward Plan Report

- We will be discussing Version 2 of the draft plan report
 - Provided via email May 18th
 - Printed copies available for Task Force and public
- Approach to gathering feedback at this meeting
 - Plan to go through each section for sections 2-10
 - Asking for Task Force input based on previously provided review questions and other input that you would like to provide
- Task Force can also provide written comments after the meeting
 - Request that written comments on this version be provided by June 15th
- Staff goal to provide Version 3 of the draft plan report which will include the executive summary and all appendices by July 2nd

Section 2 - Introduction

- Section Summary

- To be developed

- Review Questions

- Did this section present a clear background on AW's water system?
 - Was the need for the IWRP compelling?
 - Were the IWRP guiding principles understandable?

AT A GLANCE

- Overview of Austin's Water Supply System
- Water Supply Conditions and Drought
- Water Forward IWRP Mission Statement

Section 3 – Collaborative Plan Development Process

AT A GLANCE

- *Task Force Involvement*
- *Community Outreach Activities*

● Section Summary

Public outreach and education efforts for the IWRP gathered meaningful stakeholder input used to develop a plan that is representative of Austin community values. Water Forward’s public involvement strived to address the following core areas:

- **Community Values** – Identify community values that should be reflected in the IWRP.
- **Diverse Stakeholder Input** – Seek input from stakeholders which reflect the diversity of Austin’s population and customers.
- **Public Education** – Inform and educate the community throughout the plan development process.

The following sections describe the collaborative process that was used to engage the stakeholders and the public in developing the Water Forward Plan.

● Review Questions

- Did this section summarize the IWRP collaborative process sufficiently?

Section 4 – Water Forward Planning Process

AT A GLANCE

- *Evaluation Process Overview*
- *Plan Objectives and Performance Measures*
- *Options Screening and Characterization*
- *Portfolio Development and Evaluation*

● Section Summary

Water Forward is an integrated water resources planning process used to evaluate potential water supply and demand management options while building consensus and support with the public and other stakeholders that could be affected by the recommendations. This section describes the overall Water Forward process from development of objectives and performance measures, to option screening and characterization, through to portfolio development and evaluation.

● Review Questions

- Did this section present a clear background on AW’s IWRP planning process?
- Where the objectives and performance metrics presented clearly?
- Was the method for evaluating portfolios understandable?

Section 5 – Water Demands

AT A GLANCE

- *Disaggregated Demand Model*
- *Current Water Use Summary*
- *Future Baseline Water Demand*

● Section Summary

Integrated water resource planning provides a blueprint that ensures residents and businesses in Austin have sustainable access to clean water now and into the future as the city continues to experience strong growth. To properly plan and manage Austin’s water resources, it is critical to have a reasonable understanding and characterization of how and where water is currently used in the city as well as quantifiable estimates of how much water will be needed in the future. This section describes the primary tool used to characterize and explore water demands, referred to as the Disaggregated Demand Model (DDM). Using the tool, current water use is defined, as described in Section 5.2, and future demand is projected, as described in Section 5.3. These sections describe the City’s water demand at the water source (diversions), at the water treatment plant (pumpage), and at the Austin Water customers’ meters (consumption). As climate and weather patterns are a major defining factor in water use levels, Section 5.4 explores future water demands in relationship with projected climate variations

● Review Questions

- Was the background on the demand model understandable?
- Was sufficient information about the baseline demand forecast provided?
- Was it clear that the baseline demand forecast does not yet incorporate water savings from potential future Water Forward demand management strategies?

Section 6 – Hydrology and Climate Change Modeling

AT A GLANCE

- *Definition of Water Needs*
- *Hydrologic and Climate Modeling*
- *Summary of Water Needs*

- Section Summary
 - To be developed
- Review Questions
 - Did this section present a clear definition of identified water needs?
 - Was the process to perform the hydrologic and climate modeling presented in an understandable way?

Section 7 – Water Conservation and Demand Management Strategies

AT A GLANCE

- *Water Conservation History*
- *Current Water Conservation Measures*
- *Water Conservation and Demand Management Strategies for the Future*

• Section Summary

Water conservation programs (i.e., demand management) have long been and will continue to be a critical element in Austin Water’s management of water resources. Austin Water also continually evaluates its water conservation programs to determine whether they should be modified, phased out, or new programs implemented to achieve evolving conservation goals and to ensure pursuit of cost-effective strategies that reach all customers. This section: describes Austin Water’s historical water conservation efforts, in Section 7.1; discusses Austin Water’s current conservation measures, Section 7.2; and presents the selected demand management options under consideration for future project portfolios in support of the IWRP, Section 7.3.

• Review Questions

- Was the information on the current Water Conservation Program presented in a clear way?
- Did these sections present the demand-side management strategies with sufficient detail to make them understandable?

Section 9 – Water Supply Strategies

AT A GLANCE

- *Current Water Supply System*
- *Future Water Supply Options*

● Section Summary

The Colorado River is Austin’s core water supply through a combination of State-granted water rights and firm water supply contracts with LCRA. The Colorado River has a series of reservoirs, known as the Highland Lakes, that are used by LCRA to store water for municipal, industrial, recreation, and agricultural water needs as well as to meet in-stream flow requirements throughout the River down to Matagorda Bay on the Texas Gulf Coast. The following section describes the current water supply infrastructure associated with Austin’s existing Colorado River water supply. The section also describes future water supply options evaluated as part of the IWRP

● Review Questions

- Was the information on current water supplies presented in a clear way?
- Did these sections present the supply strategies with sufficient detail to make them understandable?

Section 9 – Portfolio Evaluation

AT A GLANCE

- *Portfolio Definitions*
- *Raw Performance Scorecard*
- *Portfolio Rankings*
- *Summary of Findings*

● Section Summary

As no single water demand management or supply option characterized in Sections 7 and 8 can fully meet the needs of Austin Water, portfolios of options are required. Portfolios are groupings of multiple options that come together to meet needs. Even with just a few options available there can be dozens of potential portfolios that can be developed. Thus, a structured process for defining and evaluating portfolios is used.

● Review Questions

- Were the portfolio themes described sufficiently and clearly?
- Was the summary of metrics used to evaluate the portfolios presented clearly?
- Were the results of portfolio evaluations understandable?

Section 10 – Recommendations

AT A GLANCE

- *Plan Recommendations*
- *Adaptive Management*

- Section Summary

The comprehensive evaluations of the five initial and two hybrid portfolios presented in Section 9 indicate that the Hybrid 1 Portfolio ranked highest overall. It also represented the best balance in meeting the multiple objectives of the IWRP. Therefore, the recommended strategy for ensuring a reliable, high-quality and sustainable water supply for Austin Water is the phased implementation of the Hybrid 1 Portfolio. Table 10-1 presents the demand management and water supply options and projected yields for this recommended strategy

- Review Questions

- Were the IWRP recommendations presented clearly?
- Was the adaptive management approach understandable?

