



# **WATER FORWARD**

INTEGRATED WATER RESOURCE PLAN

Austin Integrated Water Resource Planning Community Task Force

Packet Index

May 5, 2020

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# Special Meeting of the Austin Integrated Water Resource Planning Community Task Force

## May 4, 2020

### Austin Integrated Water Resource Planning Community Task Force to be held May 4, 2020 with Social Distancing Modifications

Public comment will be allowed via telephone; no in-person input will be allowed. **All speakers must register in advance (Day before the scheduled meeting, May 3, 2020 by Noon).** All public comment will occur at the beginning of the meeting.

To speak remotely at the May 4, 2020 Austin Integrated Water Resource Planning Community Task Force Meeting, residents must:

- Call or email the board liaison at 512-972-0194 or [marisa.flores@austintexas.gov](mailto:marisa.flores@austintexas.gov) no later than noon, (the day before the meeting). The information required is the speaker name, item number(s) they wish to speak on, whether they are for/against/neutral, and a telephone number or email address.
- Once a request to speak has been called in or emailed to the board liaison, residents will receive either an email or phone call providing the telephone number to call on the day of the scheduled meeting.
- Speakers must call in at least 30 minutes prior to meeting start in order to speak, late callers will not be accepted and will not be able to speak.
- Speakers will be placed in a queue until their time to speak.
- Handouts or other information may be emailed to [marisa.flores@austintexas.gov](mailto:marisa.flores@austintexas.gov) by Noon the day before the scheduled meeting. This information will be provided to Board and Commission members in advance of the meeting.
- Residents may watch the meeting here: <http://www.austintexas.gov/page/watch-atxn-live>



**Austin Integrated Water Resource Planning Community Task Force  
May 4, 2020 at 1:00 pm  
VIA VIDEOCONFERENCING**

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

## **AGENDA**

### **Voting Members:**

Sharlene Leurig - Chair	Perry Lorenz	Vanessa Puig-Williams
Jennifer Walker – Vice Chair	Robert Mace	Sarah Richards
Todd Bartee	Hani Michel	Lauren Ross
Diane Kennedy	Bill Moriarty	

### **Ex Officio Non-Voting Members:**

Austin Water: Kevin Critendon  
Austin Energy: Kathleen Garrett  
Austin Resource Recovery: Tony Davee  
Neighborhood Housing and Community Development: Sam Tedford  
Office of Innovation: Kerry O'Connor  
Office of Sustainability: Lucia Athens  
Parks and Recreation: Liana Kallivoka  
Watershed Protection: Mike Kelly

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## **1. CALL TO ORDER – May 4, 2020 at 1:00pm**

## **2. APPROVAL OF MEETING MINUTES**

- a. Approval of the meeting minutes from the March 3, 2020 Task Force meeting

## **3. STAFF BRIEFINGS, PRESENTATIONS, AND OR REPORTS**

- a. Water Forward Implementation Progress and Outlook – City Staff (10 min)
  - i. Task Force Questions and Discussion
- b. Water Forward Ordinance Update – City Staff (45 min)
  - i. Task Force Questions and Discussion
- c. Aquifer Storage and Recovery Update – City Staff (20 min)
  - i. Task Force Questions and Discussion

#### **4. FUTURE AGENDA ITEMS**

#### **5. 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 or [marisa.flores@austintexas.gov](mailto:marisa.flores@austintexas.gov)

# MINUTES



**The Austin Integrated Water Resource Planning Community Task Force convened in a Regular Meeting on March 3, 2020 at Waller Creek Center, Conference Rm 104, 625 E 10<sup>th</sup> Street, in Austin, Texas.**

**Members in Attendance:**

Jennifer Walker – Vice Chair  
Robert Mace

Vanessa Puig-Williams  
Hani Michel

Sarah Richards  
Todd Bartee

**Ex-Officio Members in Attendance:**

Sam Tedford (NHCD), Mike Kelly, Matt Russell, Kevin Critendon, Liana Kallivoka

**Staff in Attendance:**

Mark Jordan, Teresa Lutes, Sarah Hoes, Dan Strub, Matt Cullen, Katherine Jashinski, Joe Smith, Bruk Berhanu, Helen Gerlach, Marisa Flores Gonzalez

**Additional Attendees:**

David Foster

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**1. CALL TO ORDER**

Vice Chair Walker called the meeting to order at 4:18 p.m.

**2. CITIZEN COMMUNICATION: GENERAL**

David Foster of Clean Water Action spoke about the Land Development Code as it relates to Water Forward Ordinances.

**3. APPROVAL OF MEETING MINUTES**

The meeting minutes from the January 7, 2020 Austin Integrated Water Resource Planning Community Task Force regular meeting were approved with amendments on Member Mace's motion and Member Richard's second for a final 6-0-0-5 vote.

**4. STAFF BRIEFINGS, PRESENTATIONS, AND/OR REPORTS**

- a. A staff update on Water Forward implementation progress and outlook was provided by Marisa Flores Gonzalez, Austin Water. This was followed by Task Force discussion and input.
- b. A staff presentation on the Water Forward Fiscal Year 2019 Annual Report and Metrics was provided by Marisa Flores Gonzalez, Austin Water. This was followed by Task Force discussion and input.

**5. ADJOURN**

Vice Chair Walker adjourned the meeting at approximately 5:24 pm.

# **PRESENTATION**





# **WATER FORWARD**

## INTEGRATED WATER RESOURCE PLAN

5/5/2020

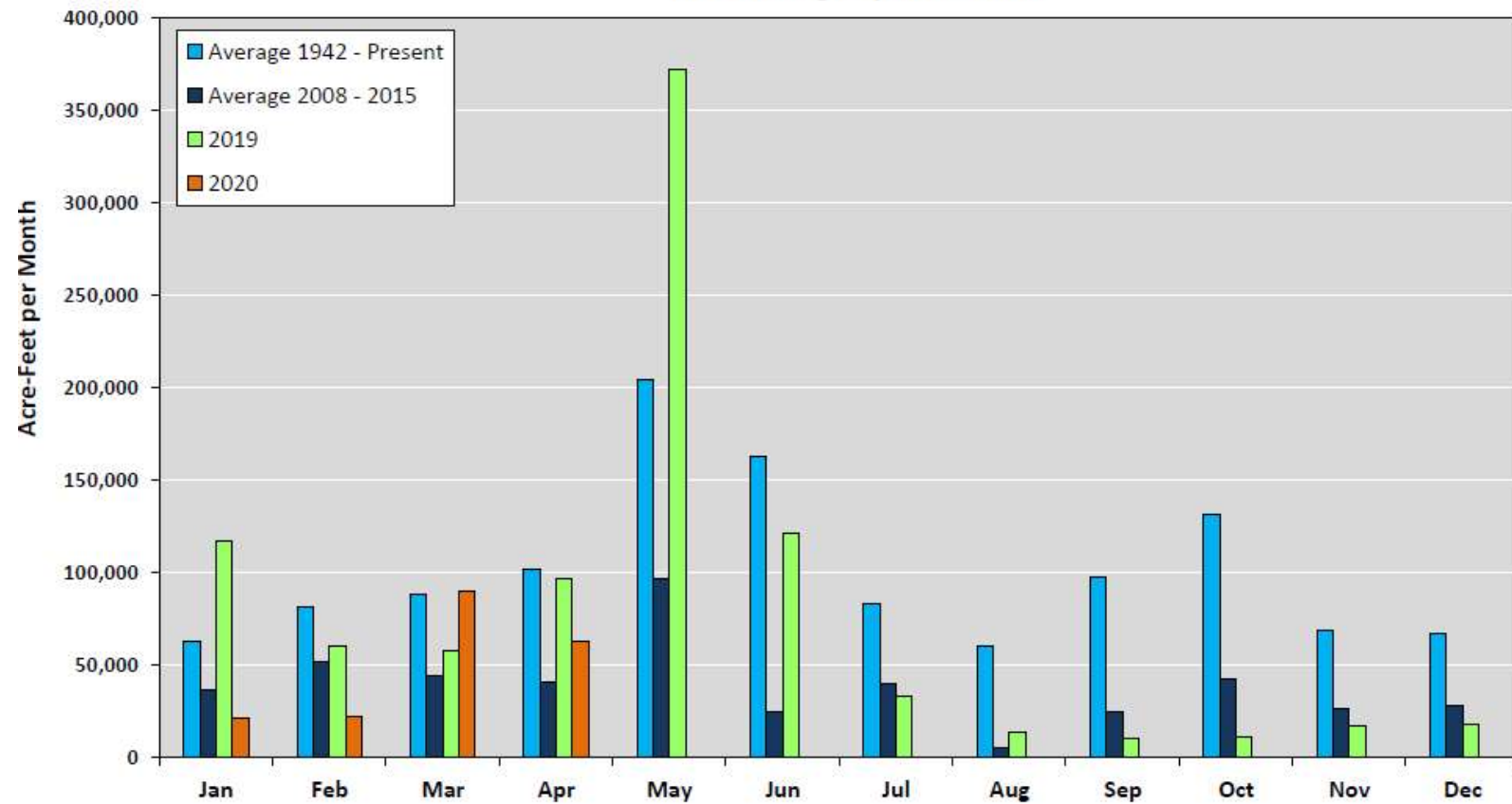


# **Water Forward Implementation Progress and Outlook**

# Water Supply Update

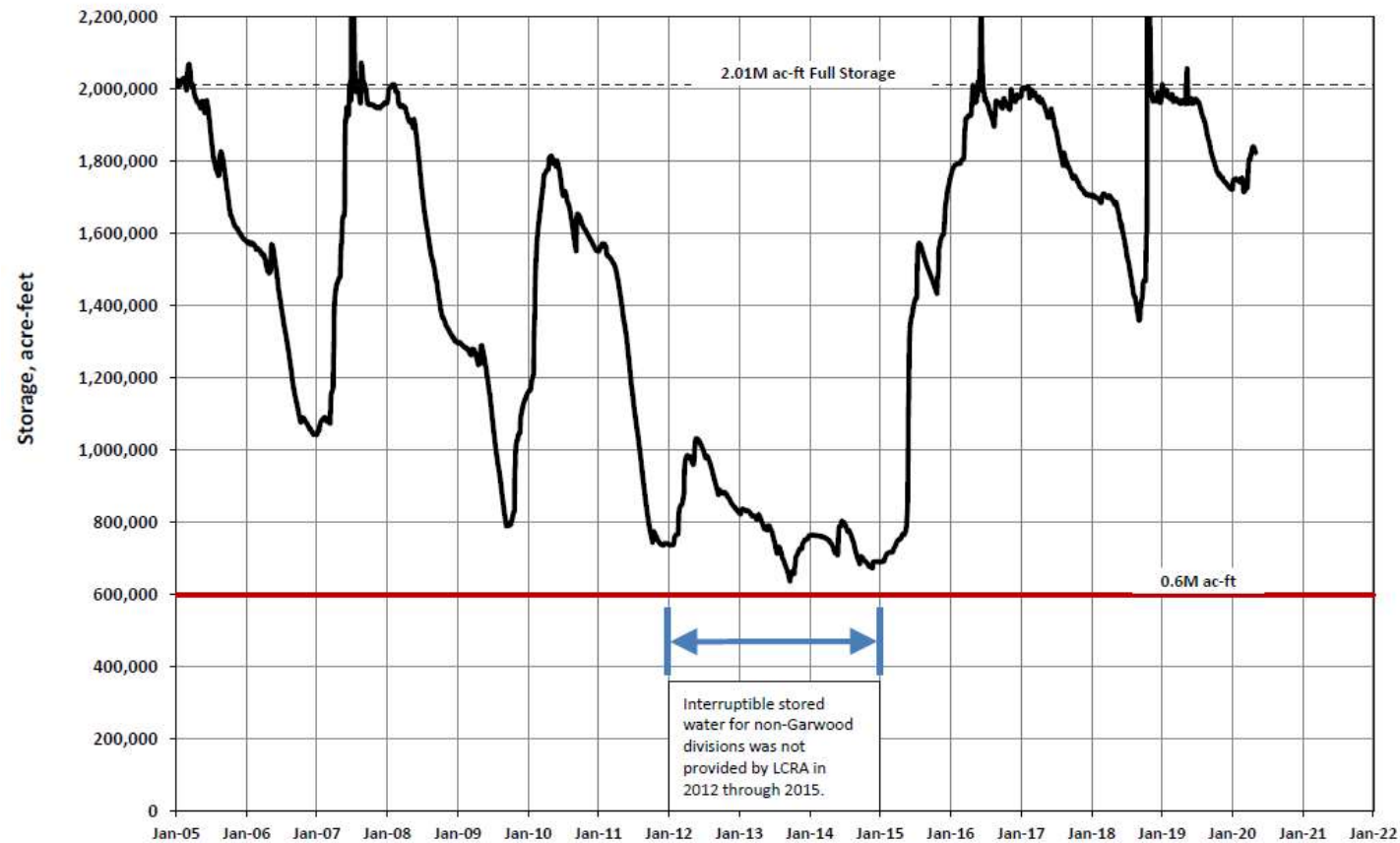
## Monthly Inflows to Lakes Buchanan and Travis

Data through April 30, 2020



# Water Supply Update

Combined Storage of Lakes Buchanan and Travis  
January 1, 2005 through May 1, 2020





# Water Forward Implementation Progress

## Conservation

- The Advanced Metering Infrastructure implementation RFQ received Council approval

## Reuse

- Staff is participating in the Land Development Code Revision process
- Staff has developed a draft Onsite Reuse Regulatory Framework which is being reviewed internally
- Staff is continuing work on the Centralized Reclaimed Master Plan update

## Protecting our Core Supplies

- The Region K Initially Prepared Plan is in the public comment period

## Building Drought Resiliency

- The Aquifer Storage and Recovery pilot and program management consultant procurement process is underway

## Community Engagement

- AW presented at the virtual Center for Watershed Protection's 2020 National Watershed & Stormwater Conference on April 14<sup>th</sup>
- AW is participating in the update to Austin's Community Climate Plan

# Water Forward Ordinance Update

# Land Development Code Revision Process

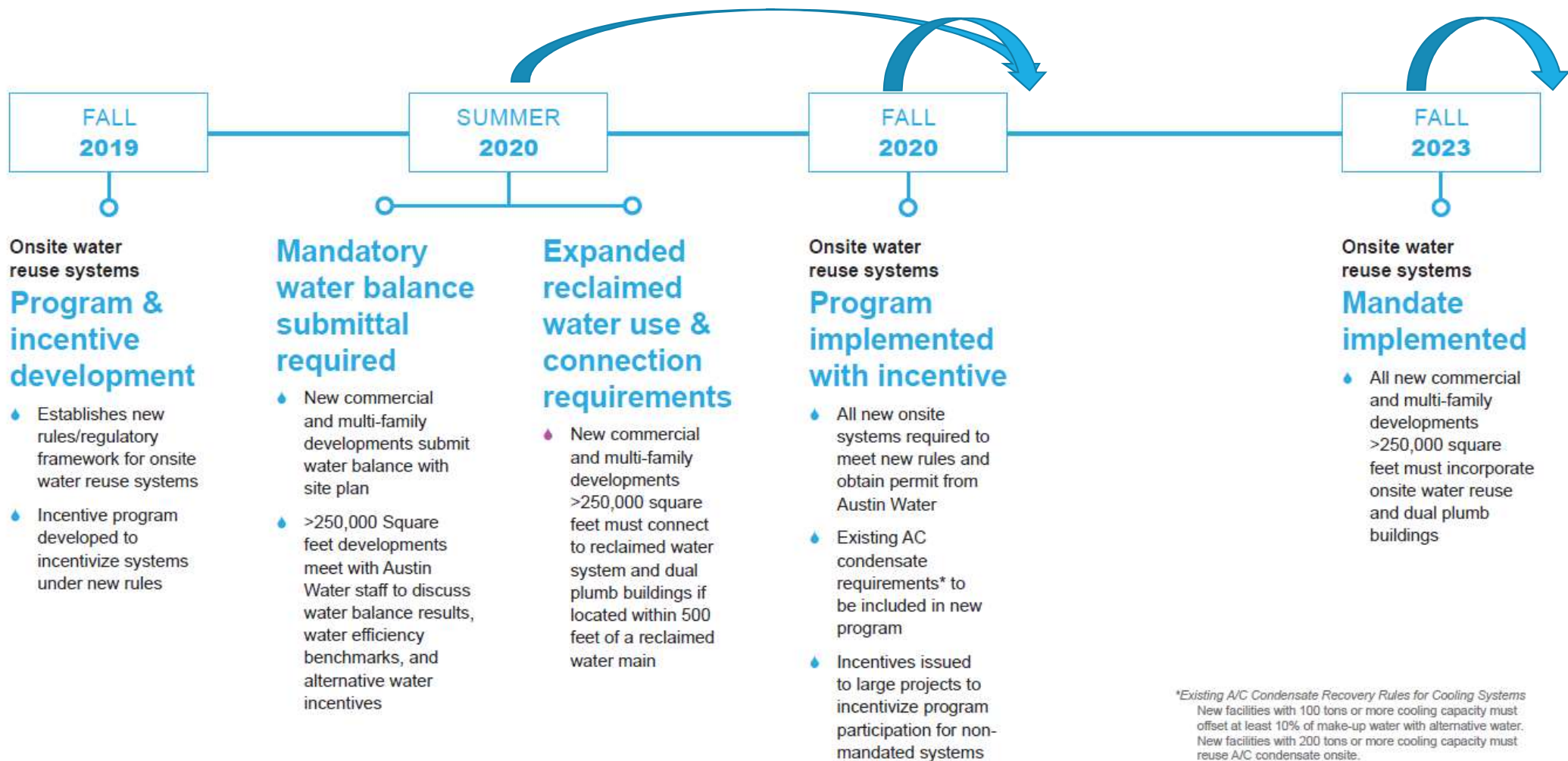
- On March 18, 2020 a Travis County District Court judge ruled that the City did not follow the correct process for the LDC Revision and voided Council's first and second reading votes on the draft code.
- However, the judge's decision leaves open several potential options for proceeding with a LDC Revision.
- So, while the Law Department will appeal the judge's decision, the LDC Team will work to identify and analyze multiple options for Council to consider.

### **AW Next Steps on the LDC Revision**

- At this time, AW believes the best course of action will be to keep the Water Forward code changes in the Land Development Code
- Some minor code changes may be required to align the effective dates proposed in the code language with the new LDC Revision adoption schedule



# Water Forward Ordinance Update



### Additional Code and Incentive Activities

- **Staff is working to develop onsite regulatory program rules**, which will require stakeholder input and Council approval of a new ordinance
- **Staff is also working to develop a suite of alternative water incentives**, which will require stakeholder input and some components may require Council approval
- **Staff has also proposed making some changes to the Conservation Code (6-4)**, which will require stakeholder input and may require Council approval

# Onsite Water Reuse System (OWRS) Program and Incentive

## 23-9D-1050 Onsite Water Reuse System Rules and Incentive Program

(A) An onsite water reuse system is required for a large development project for which a site plan application is submitted under Division 23-6B-2 (Site Plan Review ) on or after December 1, 2023.

(B) By December 1, 2020, the director shall:

- (1) Adopt rules to implement, administer, and enforce this article, including rules to regulate the treatment, monitoring, and reporting requirements for onsite water reuse systems; and
- (2) Develop an incentive program for onsite water reuse systems

# Rules/Ordinance Adoption Through Council Action

### 1 Draft an Ordinance and an Economic Impact Statement

- Council committees may hold a hearing and vote on an ordinance, but the vote is only advisory to the full council
- Vetting the ordinance through internal and external stakeholders is highly recommended to avoid contentious public hearings

### 2 Pass Ordinances Following Reading Procedures set forth in Section 2-5 of City Code

- Involves a public hearing/Council session
- Ordinance is read & voted on either 3 separate days or;
- An ordinance may pass on more than one reading during a single council meeting by an affirmative vote of seven or more councilmembers

### 3 Rules are Codified into a Chapter of City Code

- Title 25. Land Development Code
- Title 6. Environmental Control and Conservation
- Title 15. Utility Regulations

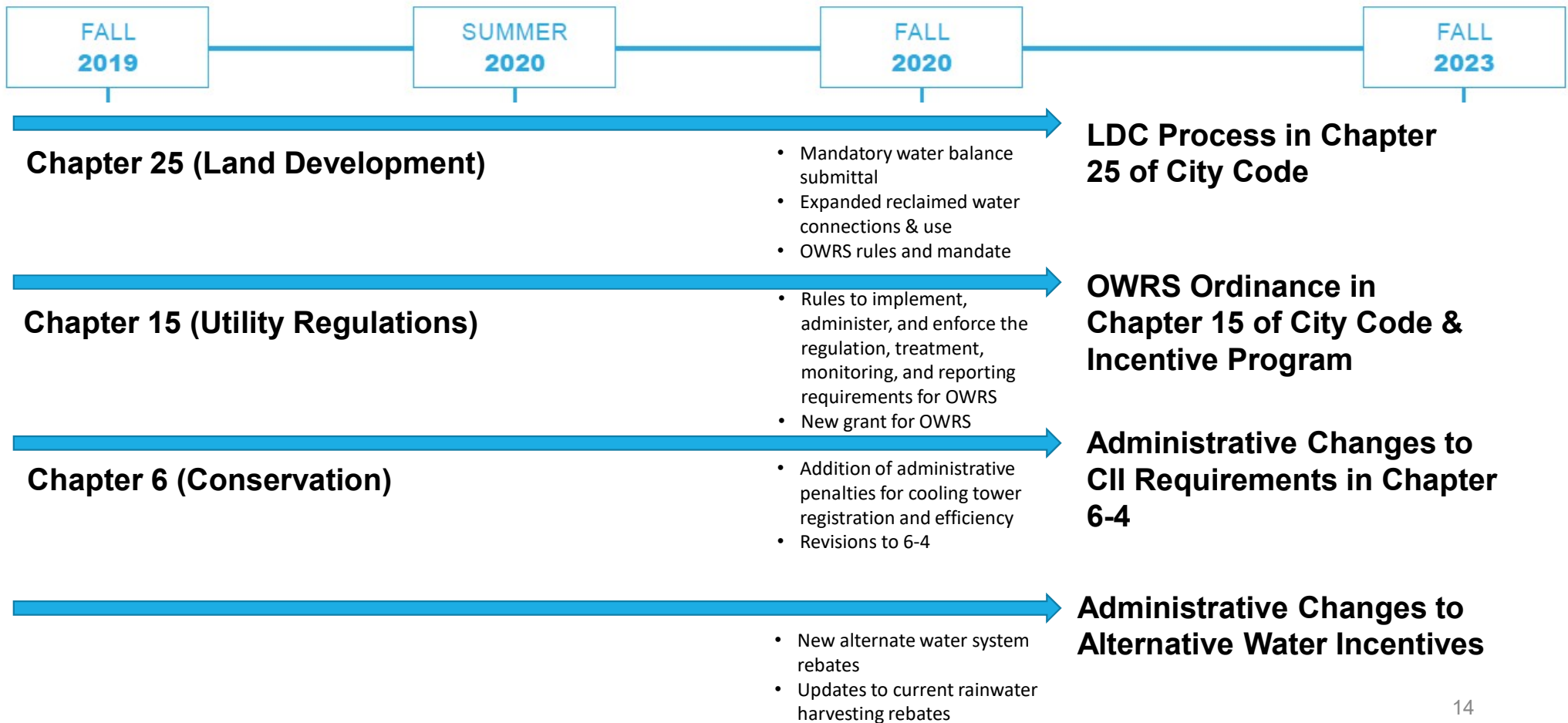
# City of Austin Code Title 15. Utility Regulations

- 15-1. **Cross Connection Regulations**
- 15-2. Drainage Utility
- 15-3. Fire Hydrant Regulation
- 15-4. Non-City Public Utilities
- 15-5. **Private Sewage Facilities**
- 15-6. Solid Waste Services
- 15-7. Use of City-Owned Utility Infrastructure
- 15-8. Reserved
- 15-9. **Utility Service Regulations**
- 15-10. **Wastewater Regulations**
- 15-11. **Private Lateral Sewer Lines**
- 15-12. **Water Wells**

A large, light blue bracket is positioned to the right of the list of regulations, spanning from the top of the list (15-1) down to the bottom (15-12).

**These rules pertain to  
privately-owned or  
managed infrastructure  
that is regulated by  
utilities**

# Water Forward Ordinance Update



## The Plan *with adjustments*

- Target is to have two stakeholder events **possibly late Summer or early Fall 2020**
  - Event # 1 – stakeholder workshop **(to be held remotely)** to introduce the onsite regulatory program rules, suite of alternative water incentives, and proposed 6-4 code changes
  - Event # 2 – public open house **(to be held remotely)** to present the new and modified incentives in more detail and receive stakeholder feedback onsite regulatory program rules
- Staff is working to review draft onsite regulatory program rules, coordinate with other City departments as necessary, **plan remote stakeholder engagement alternatives**, and develop materials for outreach and advertising



### **Possible Future Ordinance Approval Process** *with adjustments*

- Below are preliminary targets for action related to the onsite regulatory program rules, alternative water incentives, and other code changes as necessary
- **Fall 2020** - Water Forward Task Force
- **Late 2020** - W/WW Commission, Resource Management Commission
- **Late 2020 to early 2021** – City Council

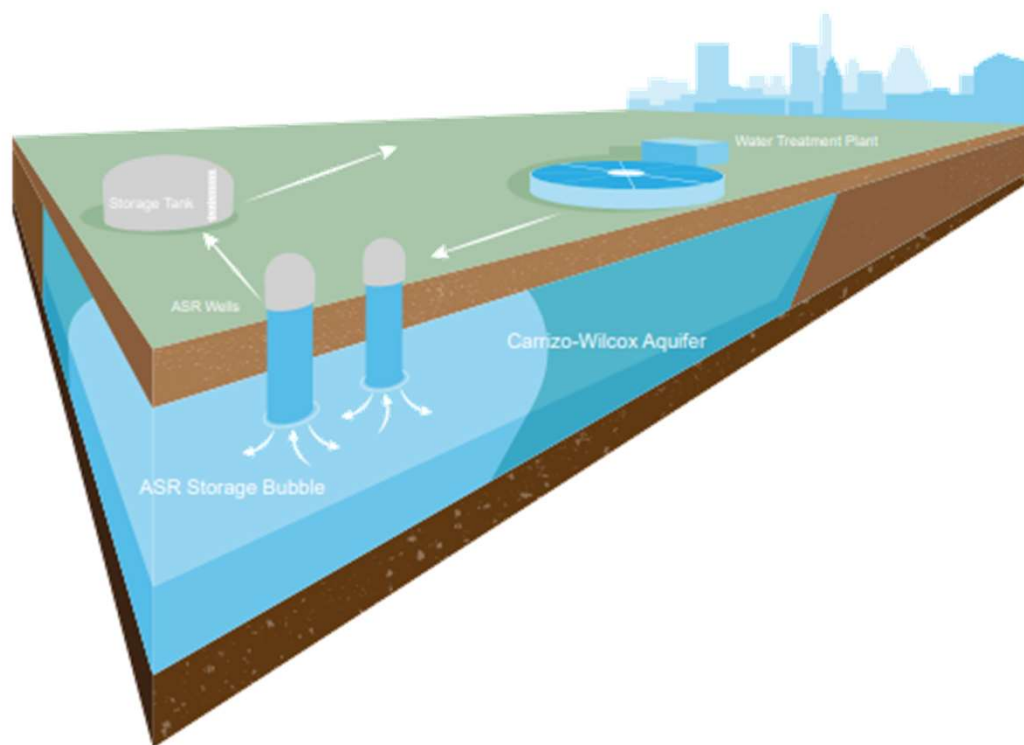
### **AW Activities in the Meantime**

- Draft regulatory framework timeline and engagement process
- Finalizing water balance application calculator and documents
- Advertising and educational materials for code changes
- Working on signage, displays and public engagement for the PDC pilot reuse system
- The pilot reuse system is currently scheduled for start-up/commissioning in July

# Questions and Discussion


# Aquifer Storage and Recovery Update

# ASR Implementation



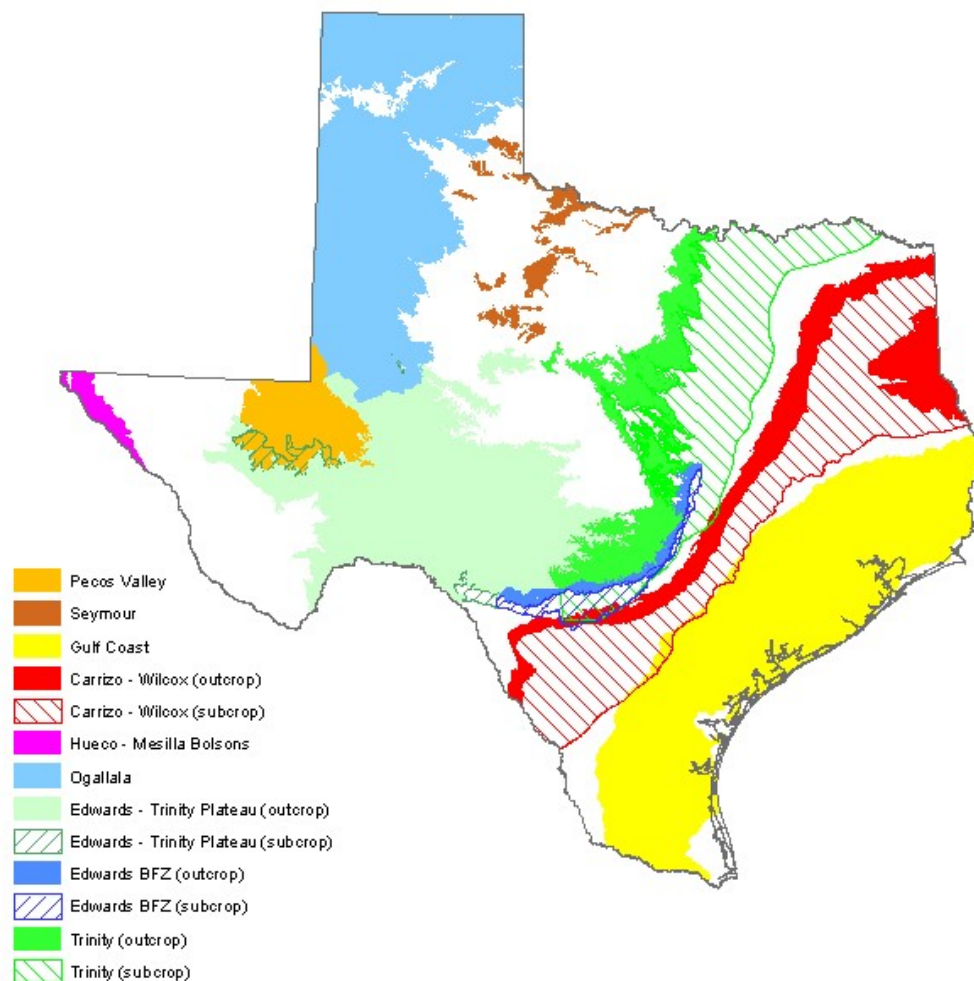
- Major tasks will include
  - Research and pilot site selection, design, construction, and testing of pilot ASR
  - Full scale facility design, construction, and testing
- Recommended in plan as a Carrizo-Wilcox ASR but plan to study additional potential locations
- Target is to have 60,000 acre-feet per year of supply available by 2040

## Update on ASR Implementation Progress

- FY 2020-2023 Identify where to pilot  We are here
- FY 2024-2027 Design, construct, test ASR pilot, and develop recommendations for full-scale ASR
- FY 2028-2029 Preliminary engineering for full-scale ASR
- FY 2029-2030 Design for full-scale ASR
- FY 2031-2035 Construction of full-scale ASR

## Update on ASR Implementation Progress

- Currently in the process of procuring professional services for ASR implementation
  - In the no-contact phase of the RFQ process
- The team procured through this RFQ will assist with:
  - Identifying site(s) for ASR piloting
  - Construction and operation of ASR pilot project(s)
  - Recommendations for a full-scale ASR project
  - Owner's representation throughout construction of a full-scale ASR project





# ASR Next Steps

- The procurement process has been delayed slightly due to COVID-19 complications
  - Currently working to have a consultant team on board by Fall 2020
- The next ASR technical advisory group meeting will likely be held remotely



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# Questions and Discussion





Thank you

3/3/2020

