

Water Forward Task Force Meeting



11/13/2020

Agenda

- Approval of the September 4, 2020 Meeting Minutes
- Staff Briefings
 - Water Forward Implementation Progress and Outlook
 - Technical Advisory Group and Task Force Subcommittees Recap
- Voting Items (summarized language)
 - Recommend approval of an ordinance related to cooling towers
 - Recommend approval of an ordinance related to Onsite Water Reuse Systems
 - Discuss and consider approval of proposed meeting schedule for 2020

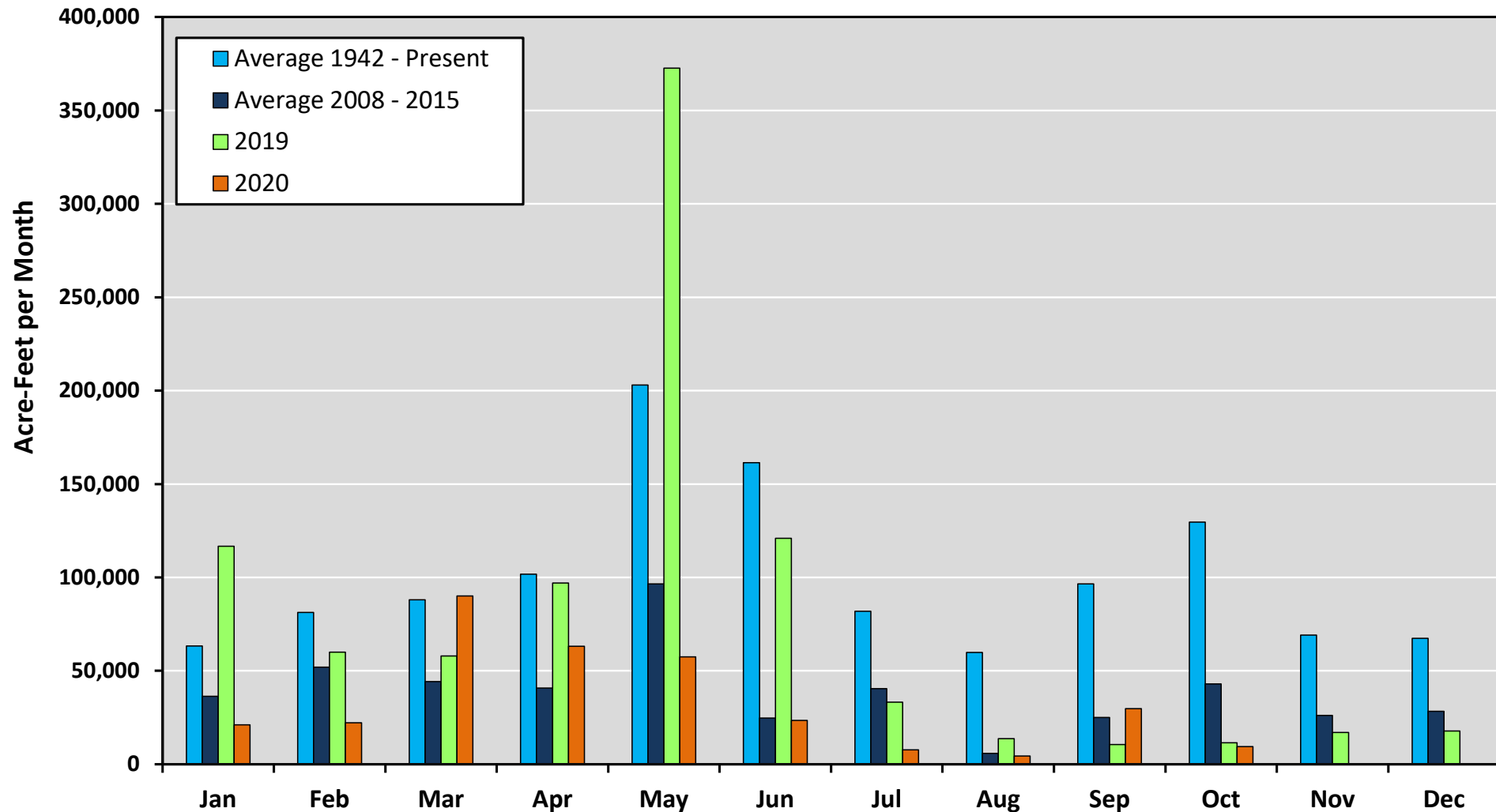


3a. Water Forward Implementation Progress and Outlook



Current Water Supplies

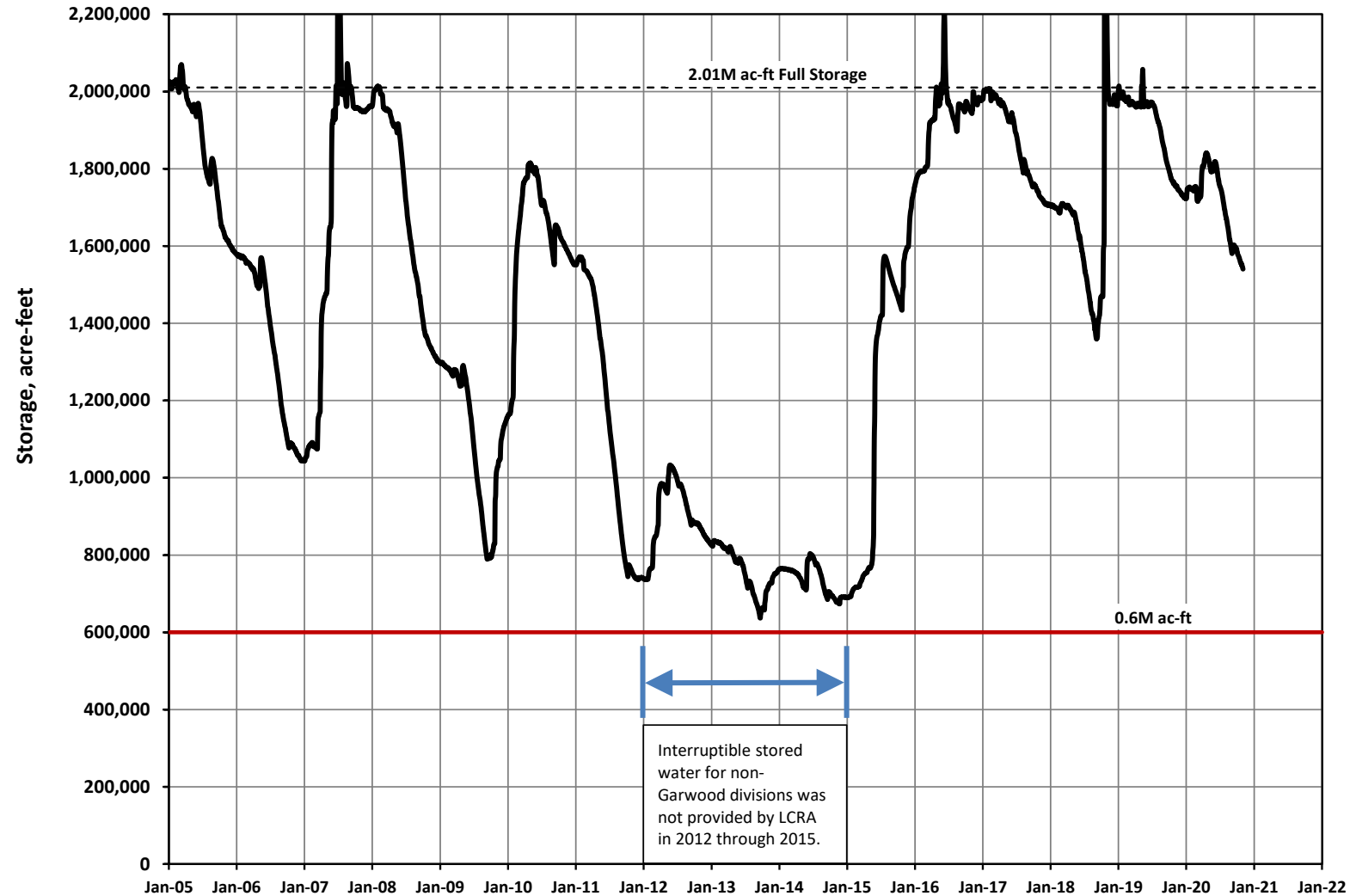
Monthly Inflows to Lakes Buchanan and Travis
Data through October 31, 2020



Current Water Supplies

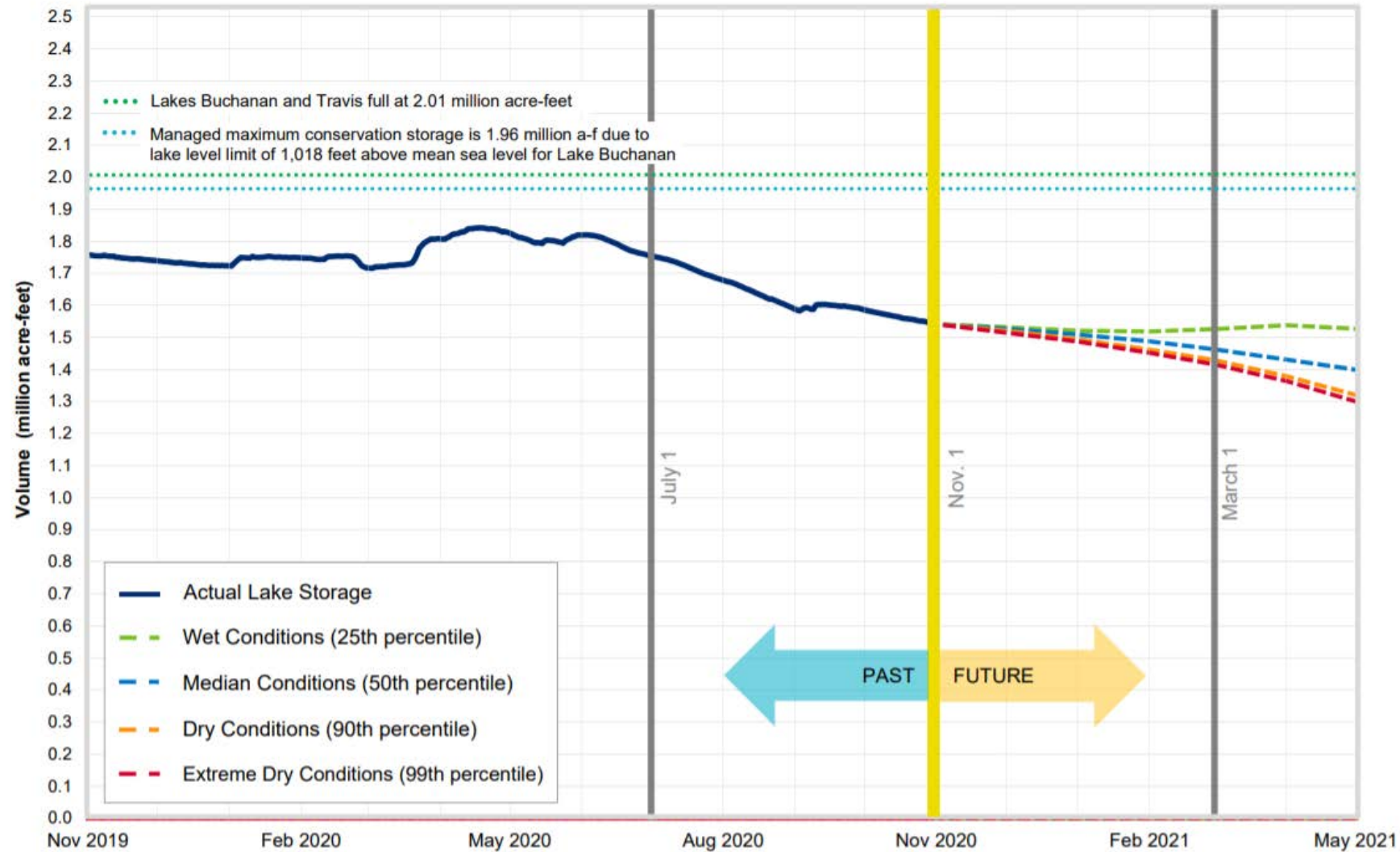
Combined Storage of Lakes Buchanan and Travis

January 1, 2005 through November 1, 2020



LCRA Lake Levels Forecast

Lakes Buchanan and Travis Total Combined Storage Projections



Date: Nov. 1, 2020

Note: One acre-foot equals 325,851 gallons



Water Forward Strategies

Reducing Demand

- Benchmarking
- Advanced Metering Infrastructure
- Water Loss Control
- Conservation Ordinances and Incentives

Moving Reuse Forward

- Onsite Reuse
- Centralized and Decentralized Reclaimed

Protecting our Core Colorado River Supplies

- Working with our Regional Partners

Building Resiliency

- Aquifer Storage and Recovery
- Indirect Potable Reuse

Continued Stakeholder Engagement





WATER FORWARD

INTEGRATED WATER RESOURCE PLAN

FISCAL YEAR 2019-2020
QUARTER 4 REPORT

	FY20 Q4 Progress	Current/Planned FY21 Q1 Activities	Future Implementation Steps
Protecting our Core Colorado River Supplies	AW staff worked to integrate Water Forward strategies into the Region K planning process.	Region K Plan was adopted 10/14 by the Region K planning group.	2021: Anticipated State Water Plan development and initial planning for 2026 Region K plan.
Conservation	My ATX Water systems testing pilot including nearly 5,000 water meters begun.	Pilot to continue. This will be the basis for Systems Acceptance Testing prior to full implementation.	2021: Installation of 250,000 meters begins. 2025: Anticipated project completion.
	AW held a public workshop to present Title 6 cooling tower efficiency code changes for community input.	AW planning to present Title 6 code changes to Boards and Commissions and possibly Council for approval (Council dates not yet set).	2021: Anticipated Council adoption of Title 6 cooling tower efficiency code changes.
Onsite Reuse	AW held a public workshop to present Title 15 onsite water reuse regulatory framework code changes and incentives for community input.	AW planning to present Title 15 code changes to Boards and Commissions and possibly Council for approval (Council dates not yet set).	2021: Anticipated Council adoption of Title 15 onsite water reuse regulatory framework code changes. 2023/4: Anticipated onsite water reuse mandate in effect for new developments >250,000 square feet.
Centralized Reclaimed	AW continued work to 1) implement AW's 2013 Completing the Core plan to create a reclaimed loop through downtown and east Austin and 2) update the Centralized Reclaimed Master Plan.	AW will continue to support reclaimed infrastructure projects, development review, and updates to the Centralized Reclaimed Master Plan among other activities.	2021: Anticipated completion of updates to the Centralized Reclaimed Master Plan and development of a Decentralized Reclaimed Plan. 2025: Anticipated completion of the downtown & east Austin core reclaimed loop.
Drought Supplies	AW held contract kick-off with Aquifer Storage and Recovery (ASR) pilot and program management consultant and began scope and fee negotiation process.	AW planning to execute consultant contract and begin Phase 1a desktop modeling to determine sites for field testing and potential pilot project alternatives.	FY20-23: Initial contract and identify where to pilot. FY24-27: Design, construct, and test ASR pilot. Develop recommendations for full-scale ASR. FY28-35: Preliminary engineering, design, & construction of full-scale ASR.



Questions and Discussion



3b. Technical Advisory Group and Task Force Subcommittees Recap



9/29 & 10/23 Ordinance Subcommittee Meetings

- Onsite Regulatory Framework Workshop Recap
- Next Steps for Non-LDC Code Changes
- Community Engagement
- Affordability Discussion



Questions and Discussion



4. Voting Items



Item 4a

- Recommend approval of an ordinance amending City Code Chapter 6-4 (Water Conservation) and City Code Section 15-9-241 (Utility Regulations) related to commercial and industrial cooling tower water efficiency performance standards, operations, registration, inspection and administrative requirements and penalties.



Item 4b

- Recommend approval of an ordinance to establish Chapter 15-13 of the Austin City Code and amend City Code Chapter 2-13 regarding treatment, monitoring, and reporting regulations for Onsite Water Reuse Systems to encourage the development of local, sustainable water supplies using alternative source waters in commercial buildings for non-potable uses.



Item 4c

- Discuss and consider approval of proposed meeting schedule for 2021
 - January 12, 2021
 - March 2, 2021
 - May 4, 2021
 - July 6, 2021
 - September 7, 2021
 - November 2, 2021

