

Water Conservation Public Workshop

January 15, 2015

CONSIDERING
ADDITIONAL
RESTRICTIONS
DURING
STAGE 3

SETTING LAKE
LEVEL TRIGGERS
FOR STAGE 3
ADDITIONAL
RESTRICTIONS

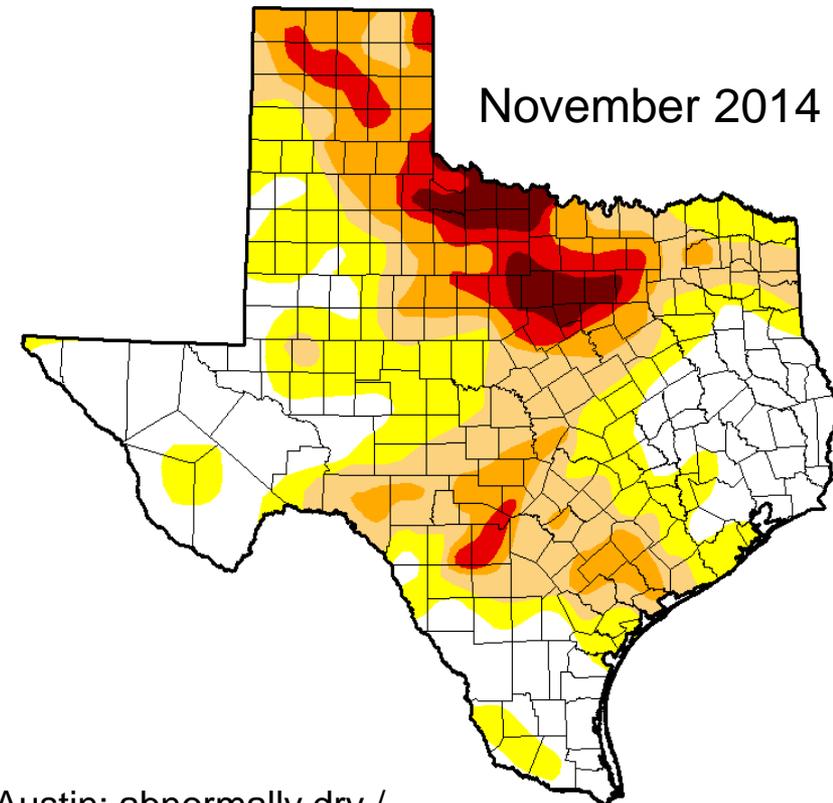
SETTING LAKE
LEVEL TRIGGERS
FOR EMERGENCY
STAGE 4
RESTRICTIONS

Tonight's Agenda

- 6:30 p.m. Arrival and Sign in
- 7:00 p.m. Welcome and Presentation
- 7:30 p.m. Table discussion, Exercise 1
- 7:45 p.m. Table discussion, Exercise 2
- 8:15 p.m. Reconvene, Discussions and Questions
- 8:30 p.m. Adjourn

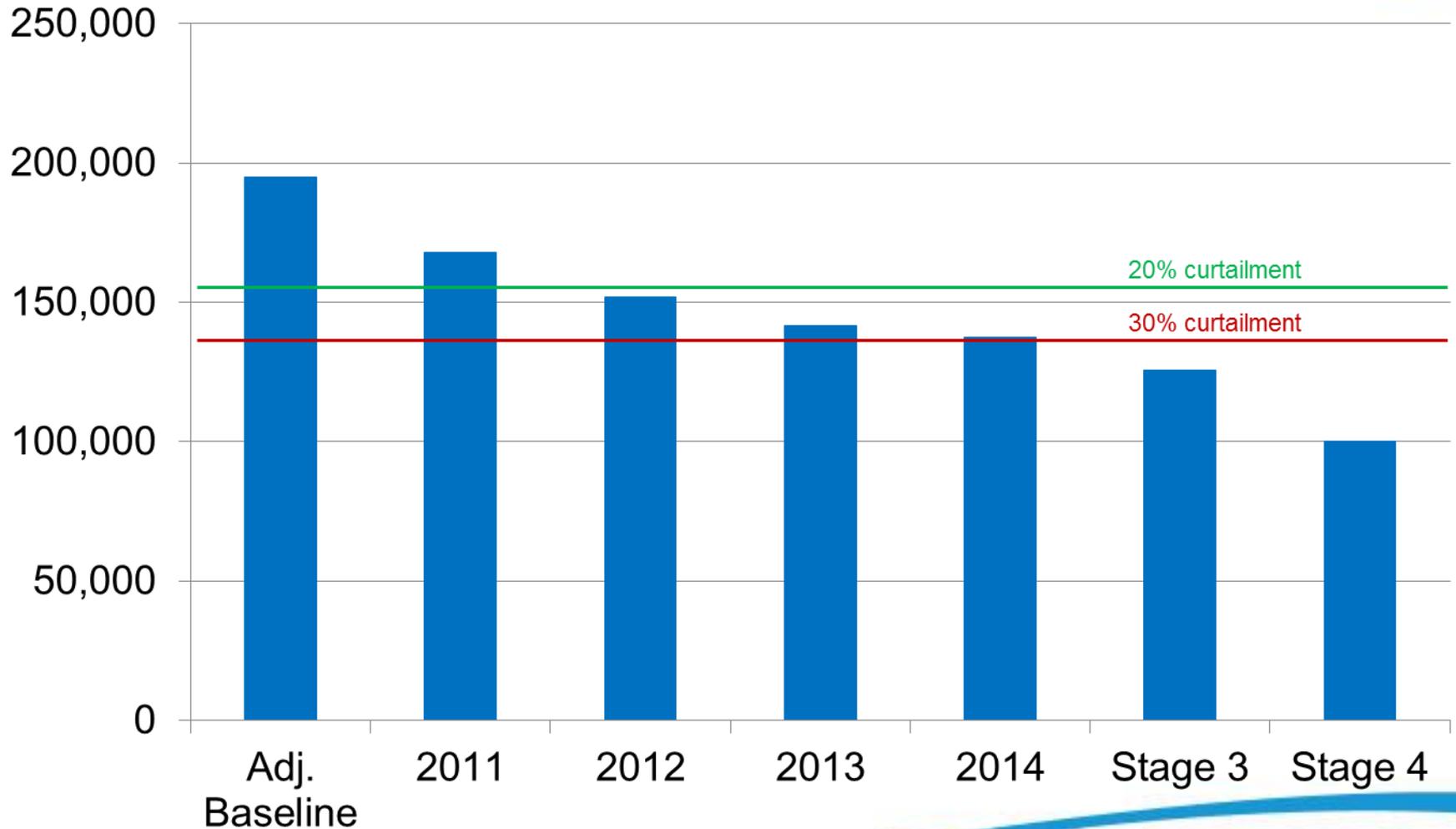
Why Are We Here?

- Continuing drought conditions
- 2014 – second-lowest inflows into Lakes Travis and Buchanan
- LCRA projections show potential Drought Worse than Drought of Record as early as March 2015
- Potential impacts of implementing Emergency Stage 4
- Directed by City Council in response to Austin Water Resource Planning Task Force



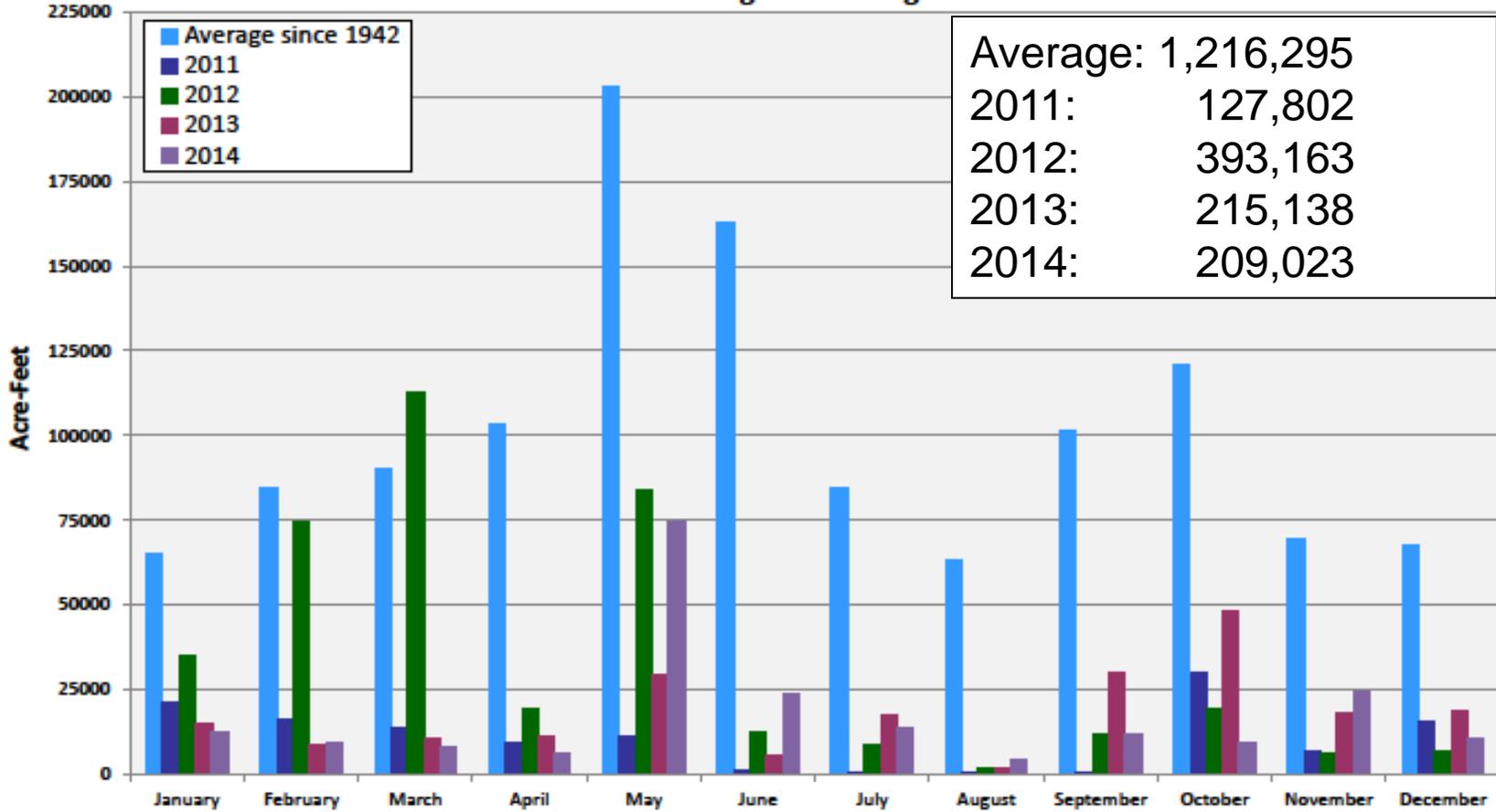
Austin: abnormally dry /
moderate drought

Austin's Water Use in AF/yr



Rounded figures shown; Stages 3 and 4 are estimated projections. 2011-2014 figures for calendar year; baseline reflects LCRA curtailment year

Water Flowing into the Highland Lakes



Average:	1,216,295
2011:	127,802
2012:	393,163
2013:	215,138
2014:	209,023

* Inflows: the estimated amount of water flowing into the Highland Lakes from rivers and streams. Data for 2014 is preliminary and subject to change.

Period totals: Jan-Dec (in acre-feet)	
Jan-Dec Average:	1,216,295
Jan-Dec 2011:	127,802
Jan-Dec 2012:	393,163
Jan-Dec 2013:	215,138
Jan-Dec 2014:	209,023

TOP 10 LOWEST INFLOW YEARS

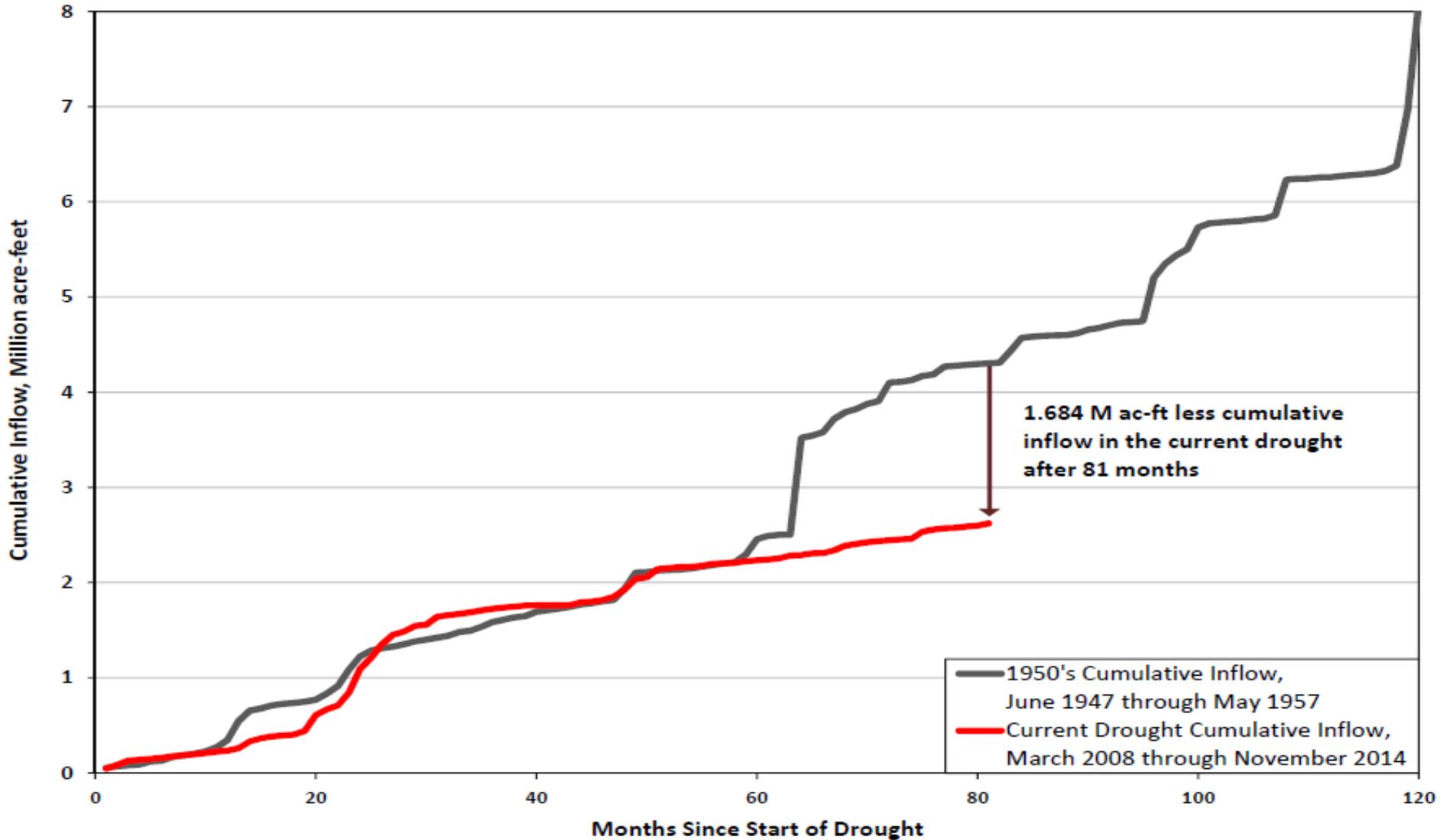
Rank	Year	Annual Total in Acre-Feet
1	2011	127,801
2	2014	209,023
3	2013	215,138
4	2008	284,462
5	2006	285,229
6	1963	392,589
7	2012	393,163
8	1983	433,312
9	1999	448,162
10	2009	499,732
Average Annual Total	1942 to 2014	1,216,295

Represents the volume of water flowing into lakes Travis and Buchanan on an annual basis.

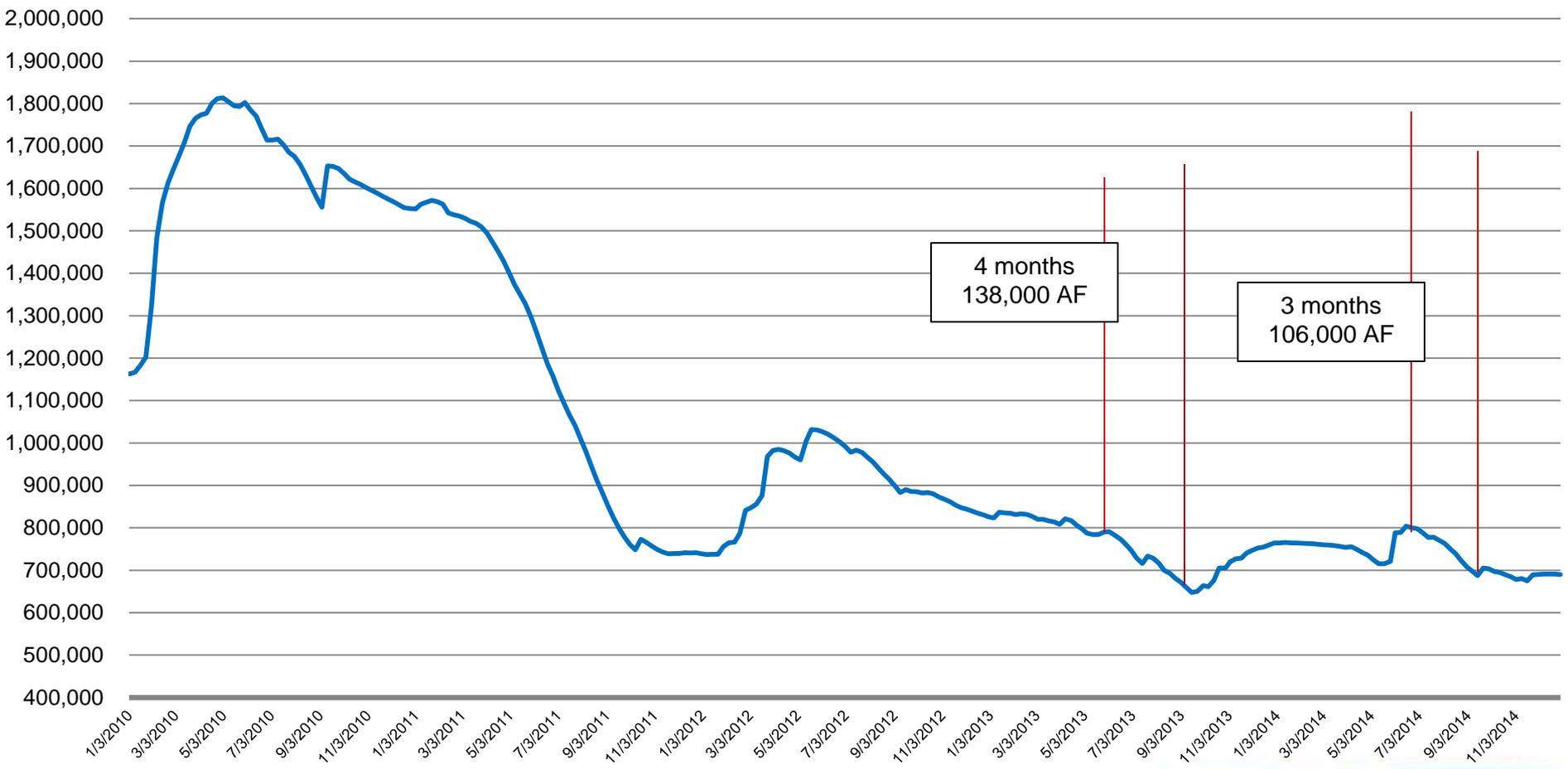
Continuing Drought



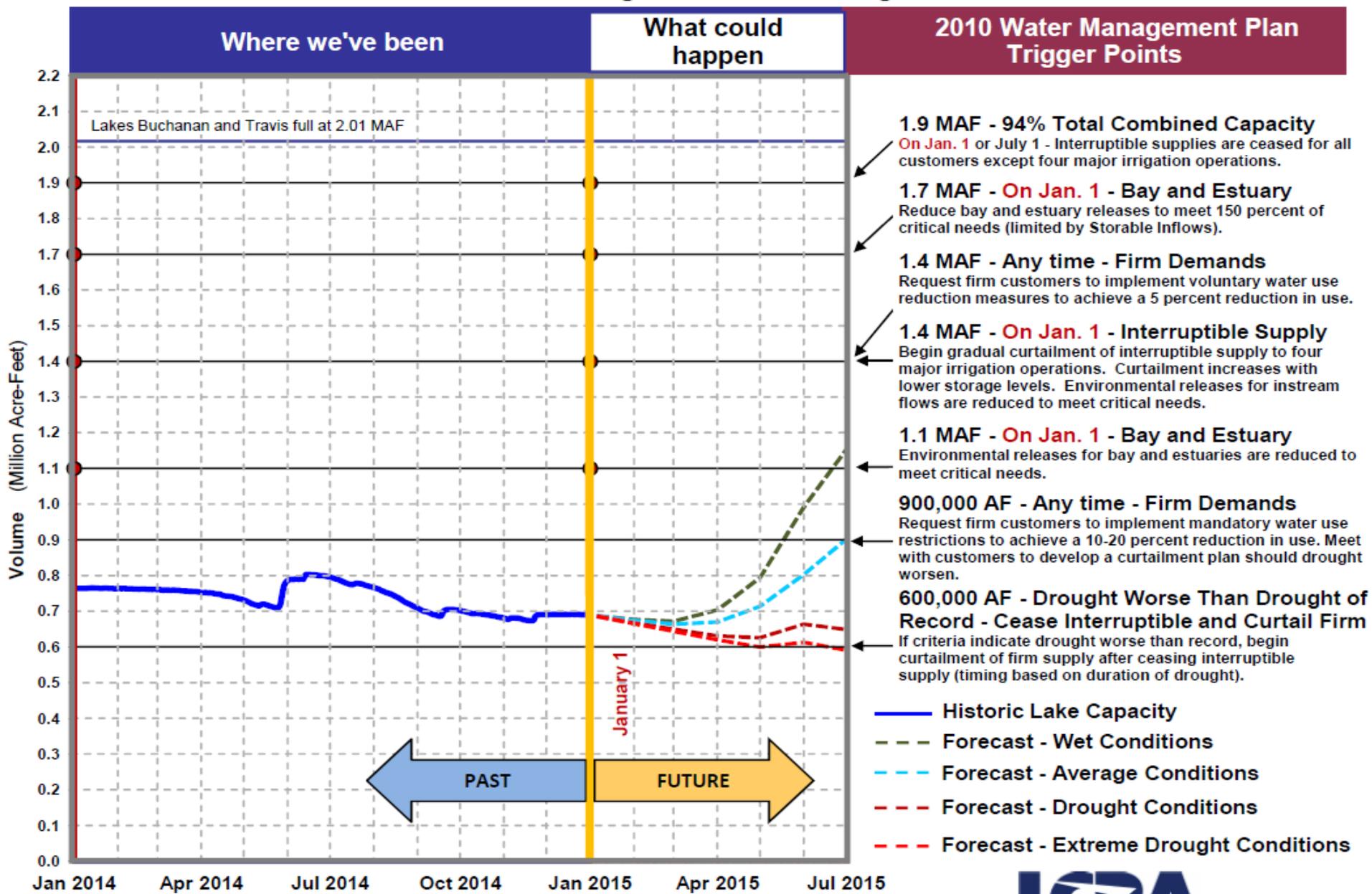
Cumulative Inflow to Lakes Buchanan and Travis



Combined Storage of Highland Lakes



Highland Lakes Storage *



Note: MAF equals 1 Million Acre-Feet

One Acre-Foot (a-f) equals 325,851 gallons.

Date: January 1, 2015

* Projections assume that TCEQ will approve Emergency Orders in 2015 that are similar to the Emergency Orders approved by TCEQ in 2014, which suspended releases of interruptible stored water for customers in the Gulf Coast, Lakeside and Pierce Ranch irrigation operations through the 2014 irrigation season.



Current Drought Response

- City code defines drought stages, restrictions
 - Allows Utility Director to enact additional restrictions to respond to emergency conditions
- Drought Contingency Plan outlines response actions for supply or demand conditions
 - City Council approves DCP and City Code
 - City Manager enacts and lifts drought stages
- No specific trigger for Stage 4

Water Resource Task Force

- Evaluated drought response options and made recommendations to Council
- Supported development of additional “interim” restrictions in Stage 3
- Recommended combined storage levels for enacting additional Stage 3 measures, and Stage 4 measures
- Encouraged public involvement in decision-making processes

What's the Goal?

- Guidance document for Director and City Manager that recommends:
 - Additional restrictions to delay Stage 4 implementation
 - Lake level triggers for additional Stage 3 restrictions
 - Lake level triggers for Stage 4 restrictions
- Recommendations will be incorporated into the next update of the Drought Contingency Plan (2019)

How Will We Get There?

- 1st Public Workshop: Identify goals and start public input process
- Review and consider recommendations from stakeholders and public
- Draft restrictions and propose lake level triggers
- 2nd Public Workshop: Share outcomes, review proposed restrictions and triggers, gather additional input
- Generate and share guidance documents

Timeline

- January 15, 2015 1st Public Workshop
- February 5, 2015 Proposed Additional Restrictions/Lake Levels drafted
- February 9, 2015 Invitation sent for 2nd Public Workshop
- February 19 2nd/ Final Public Workshop
- February 26 Recommendations to Director and City Manager
- March 1 Target for posting approved documents

Help Us Stay Focused

- Use the “Parking Lot,” comment cards, or speak to a staff member after the meeting for Off-Topic items:
 - Drought measures beyond the Water Use Ordinance and DCP
 - Rates & rate structures
 - Enforcement procedures & fines
 - Facilities assessment requirement for large properties and car washes
 - Actions by other agencies (TCEQ, LCRA)

Table Exercises

What Did You Think?

- Was the room setup adequate?
- Did you have all the information you needed to provide input?
- Were the exercises clear and helpful?
- Was every member of your group able to provide input?
- Other comments?



Thank you for coming!