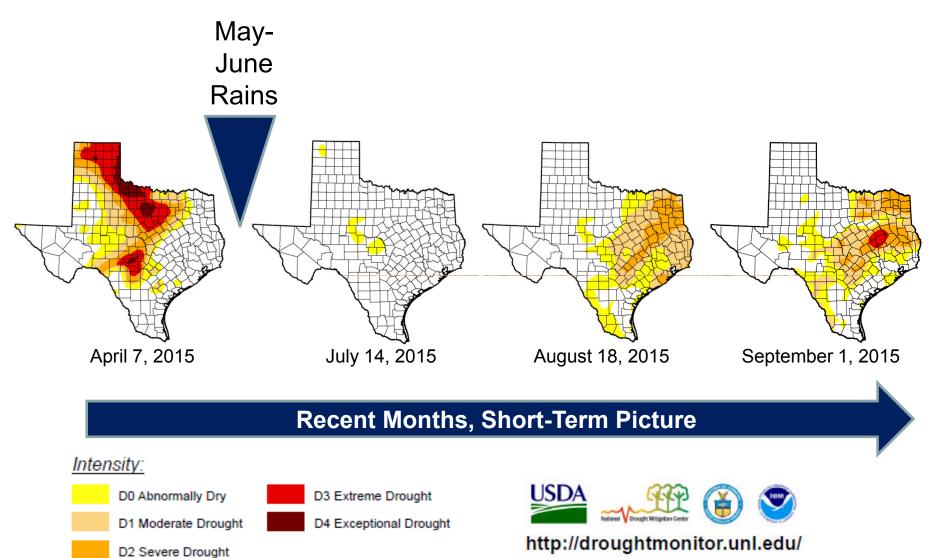


Public Utilities Committee Drought Update & Briefing on Watering Restrictions

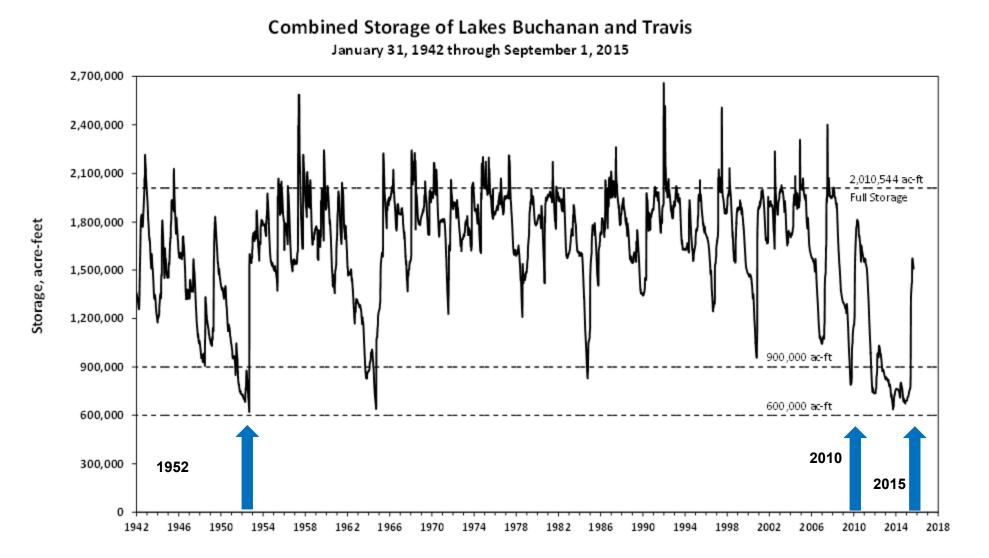
Daryl Slusher, Assistant Director Austin Water

September 16, 2015

Drought is Creeping Back In



Historical Multi-Year Drought Trends





Looking to the Future And The Distant Past

Climate Change

Region will likely shift to a **hotter, drier climate**, with **more extreme weather**.

Drought through the Centuries

2011 Texas Water Journal Tree Ring Study, which analyzed data back to 1500: "The recurrence of severe prolonged drought...appears to be the norm, not the exception."

Moving Forward



• Continue providing conservation information, tools and rebates

Austin

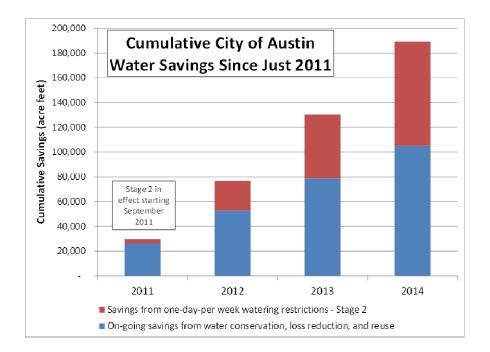
Clearly Reliable

- Consider changes to code and drought plan to make one-dayper-week watering restrictions permanent
 - Similar to 2012 process, with stakeholder & community input
 - Consider easing of some non-irrigation restrictions as part of process



Austin Clearly Reliable

Water Conservation Code & Drought Contingency Plan



- 'Do more earlier' approach recommended by citizens in 2012 Stakeholder Process
- One-day-per-week watering in Stage 2
 - Austin's conservation, reuse, water loss reduction efforts, and Stage 2 restrictions have saved an estimated 185,000+ acre-feet (2011-2014) – more than Austin uses in a year

Reasons for Considering One-Day-Per-Week Permanently



- Very effective in conserving water and protecting lake levels
- Delay of LCRA payment trigger saves ratepayers \$10-15M/year
- Strengthens Austin's position in pending LCRA Water Management Plan revisions
- Water conservation protects long-term investments on Colorado River and Highland Lakes, Austin's sole water source
- Early conservation can postpone more extreme restrictions and corresponding impacts on businesses, residents and tree canopy
- Continues encouraging residents to switch to drought-tolerant landscapes





Considerations During Process

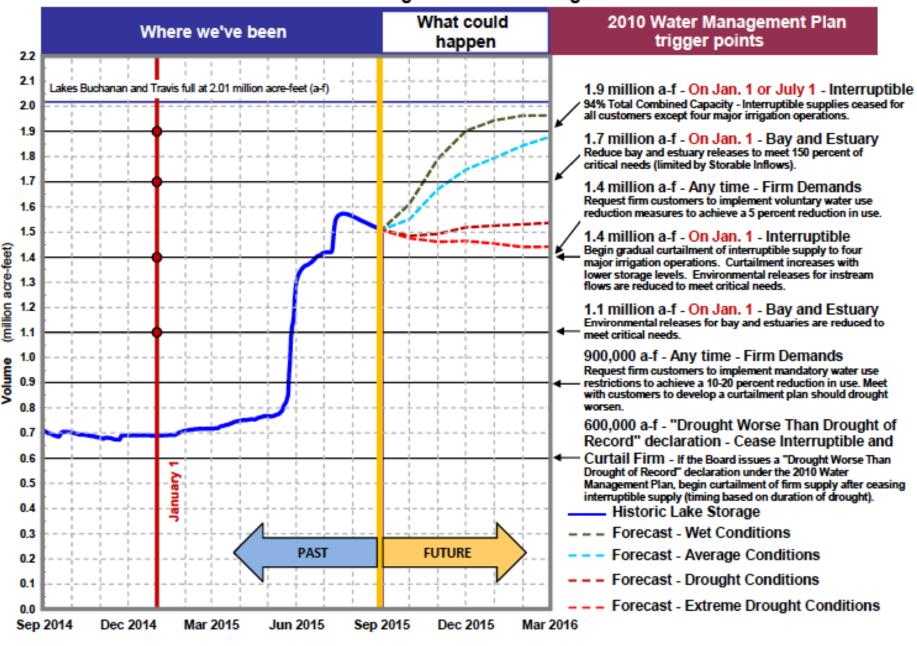
- Ensure broad participation in process
- Enhance 2012 Drought Contingency Plan with lessons learned from drought
- Work with LCRA to ensure Austin is not penalized for conservation efforts
- Continue protecting tree canopy
- Consider easing some non-irrigation restrictions as part of overall package
 - e.g., fountains, power-washing, misters, car-washing





Extra Slides



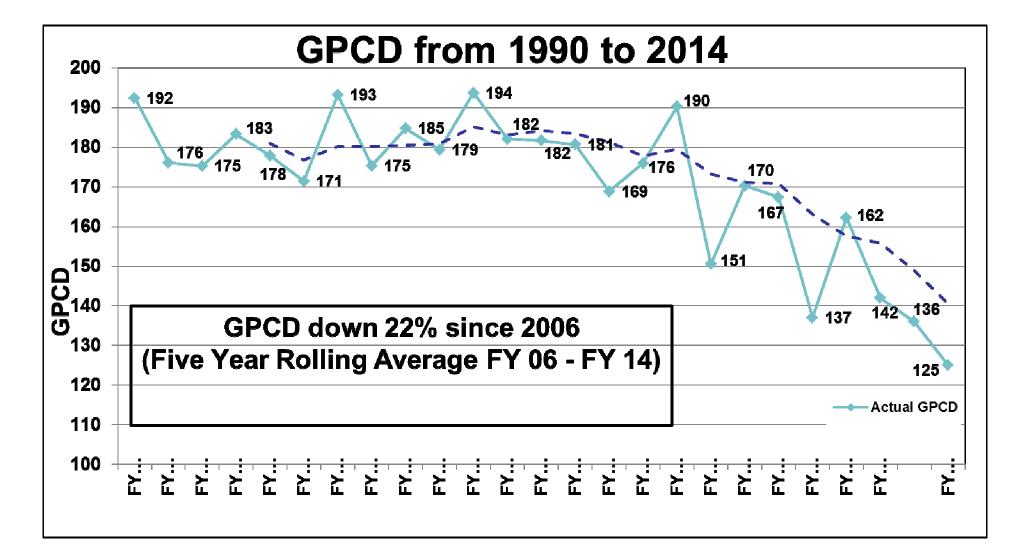


Highland Lakes Storage

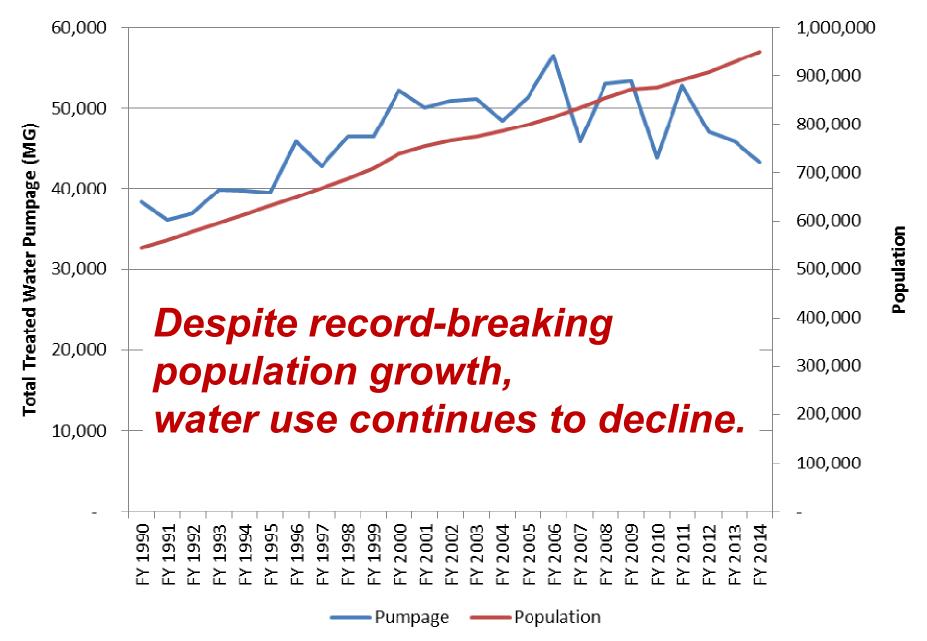
Note: One acre-foot equals 325,851 gallons.

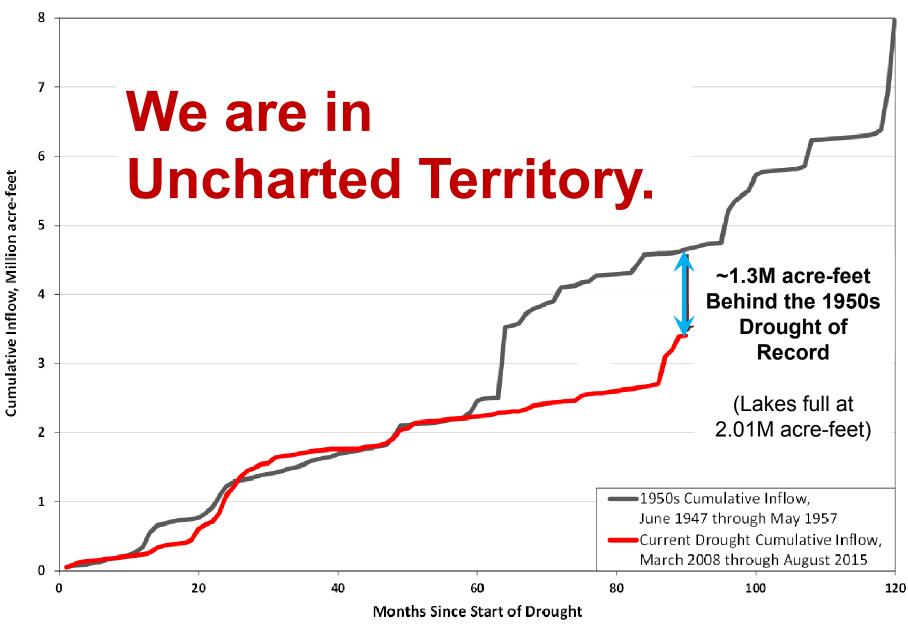
Date: September 1, 2015

Per capita water use is declining.



Austin's Water Demand and Population

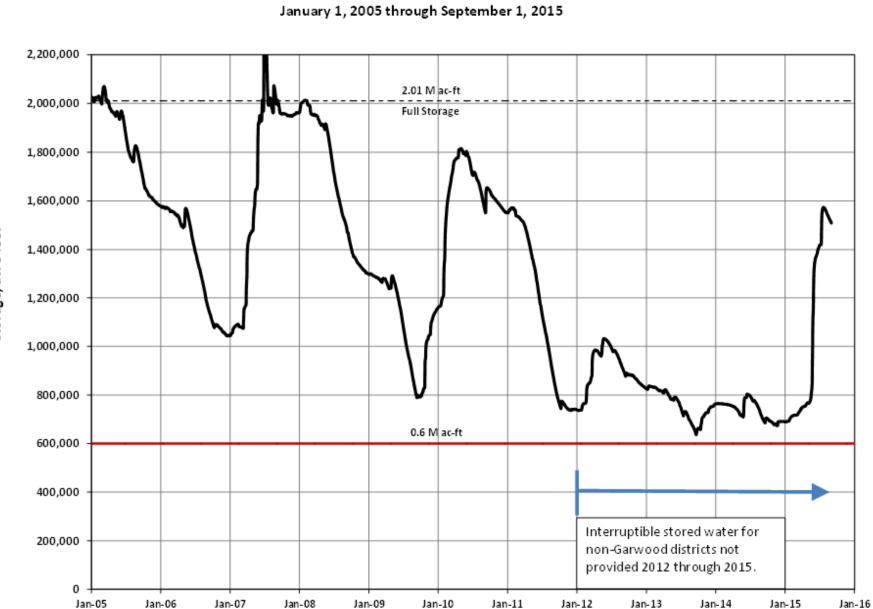




Cumulative Inflow to Lakes Buchanan and Travis

Multi-Year Trend of Current Drought

Combined Storage of Lakes Buchanan and Travis



Storage, acre-feet

LCRA Water Management Plan



- State-approved plan guides LCRA's management of stored water in Lakes Travis and Buchanan:
 - Firm supply, Interruptible supply, Environmental flows
- LCRA has duty to protect firm water supply
- City actively participating in plan revision process
- LCRA WMP revisions pending at TCEQ
 - Revisions are more protective of firm water supply
 - Hydrology includes drought through 2013
 - Interruptible curtailment storage triggers updated including cutoff triggers
 - Consideration of recent inflows and storage conditions
 - Plan to include "look-ahead test" to project conditions
 - Two interruptible supply decision points within crop year with a volumetric cap