

WATER for TEXAS

TAMEST Shale Task Force

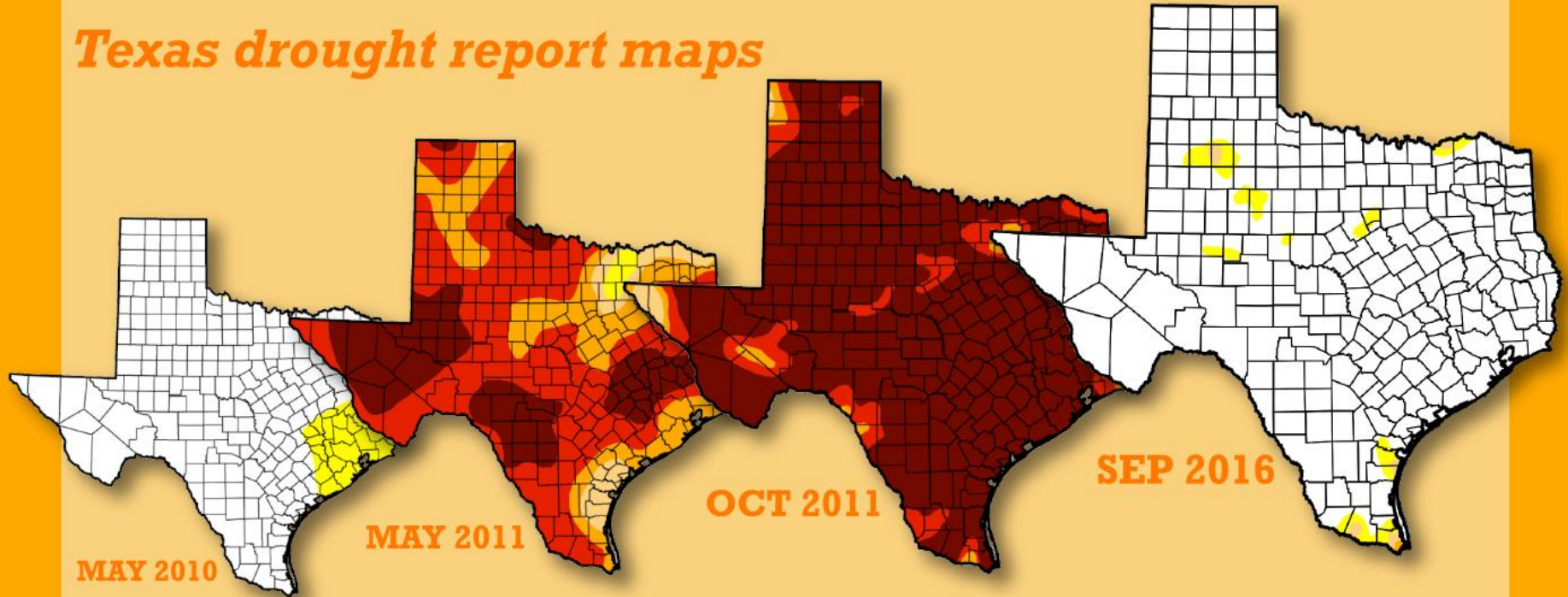
Water for the Future



Kathleen Jackson, Director

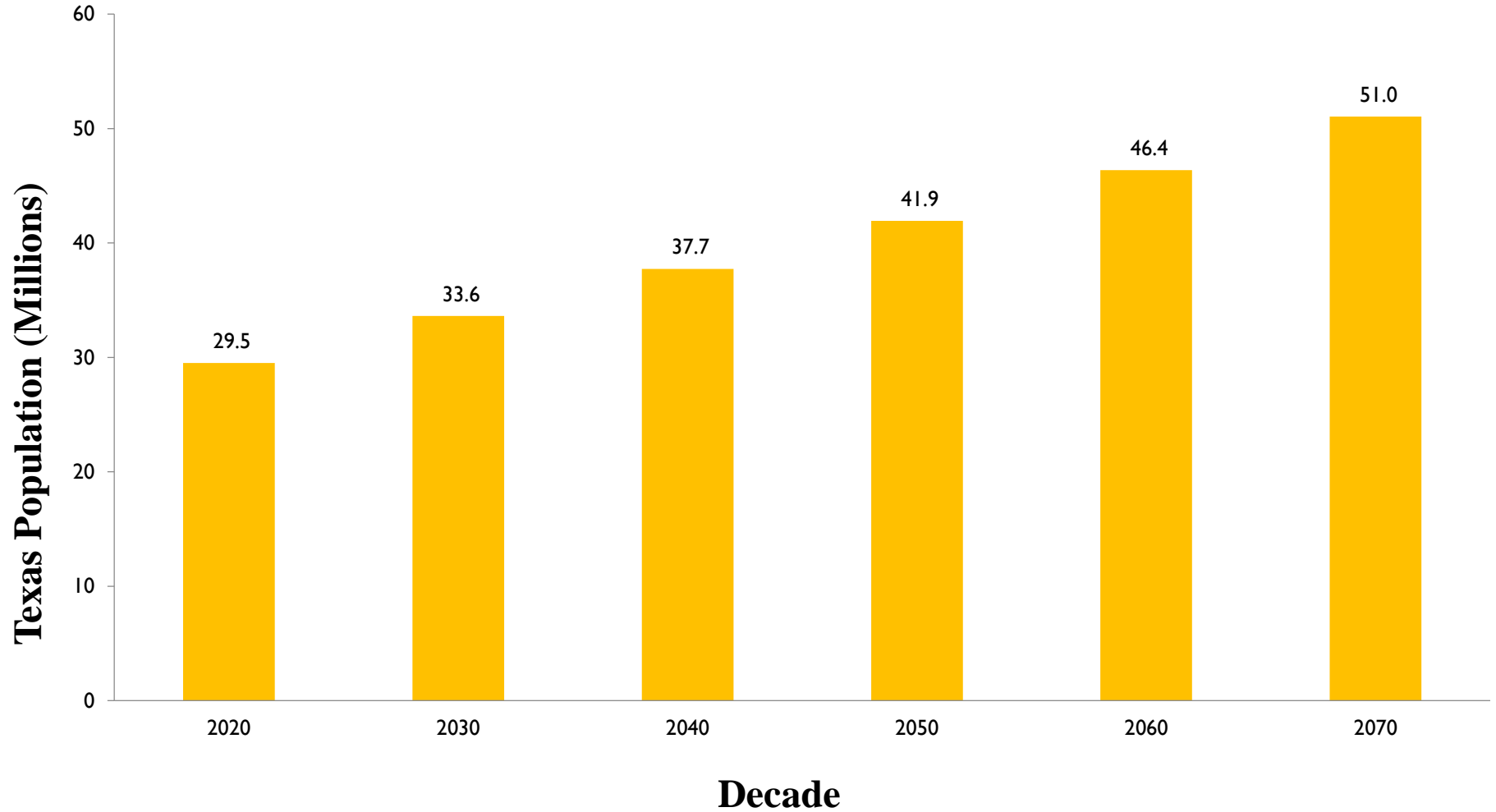
Texas Water 
Development Board

Texas drought report maps



PROJECTED TEXAS POPULATION GROWTH

TAMEST Shale Task Force



REGIONAL WATER PLANNING GROUPS

TAMEST Shale Task Force



Region K

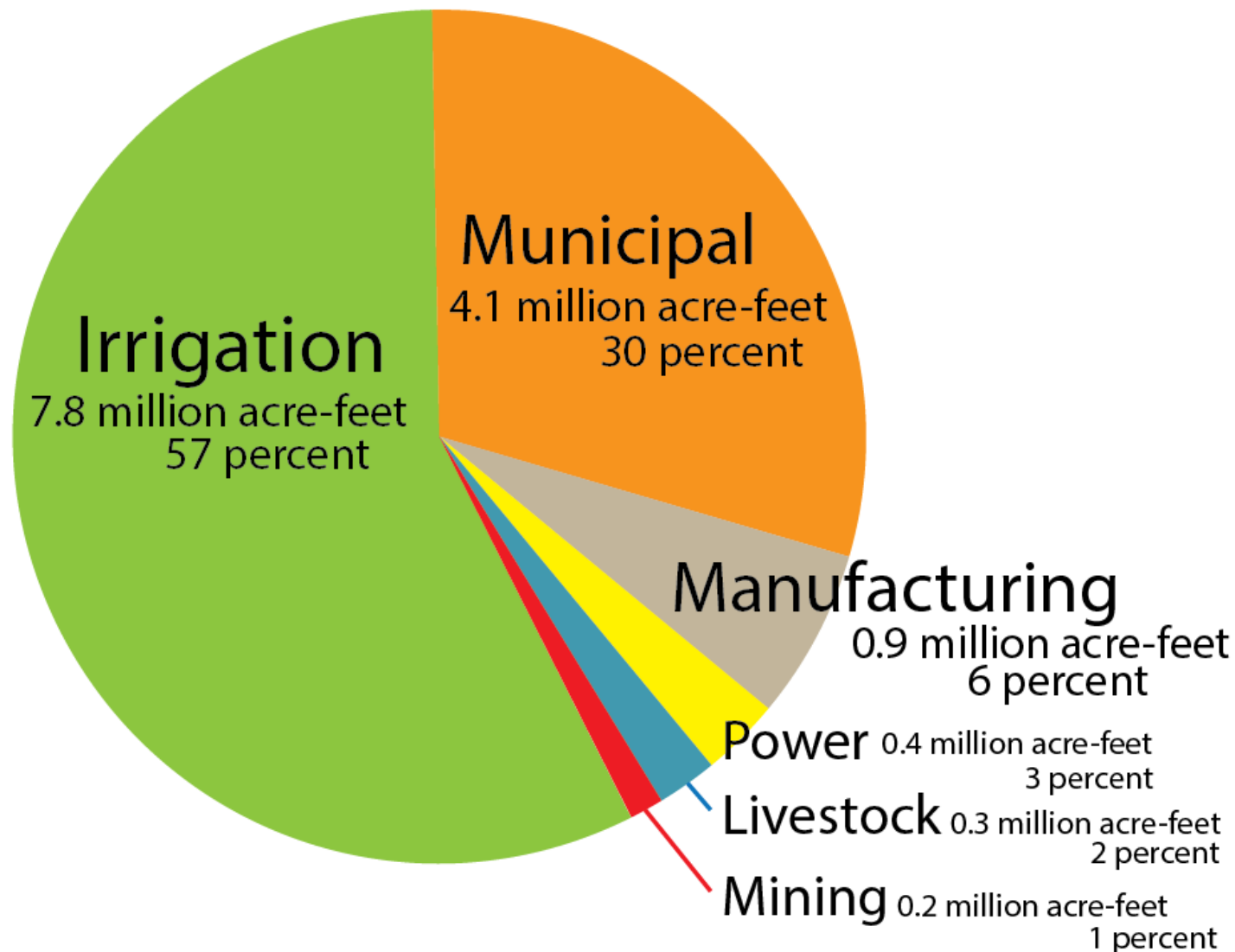


Region G

- Local Political Subdivision serves as administrator
- Public, consensus-driven
- Local/regional decision making process

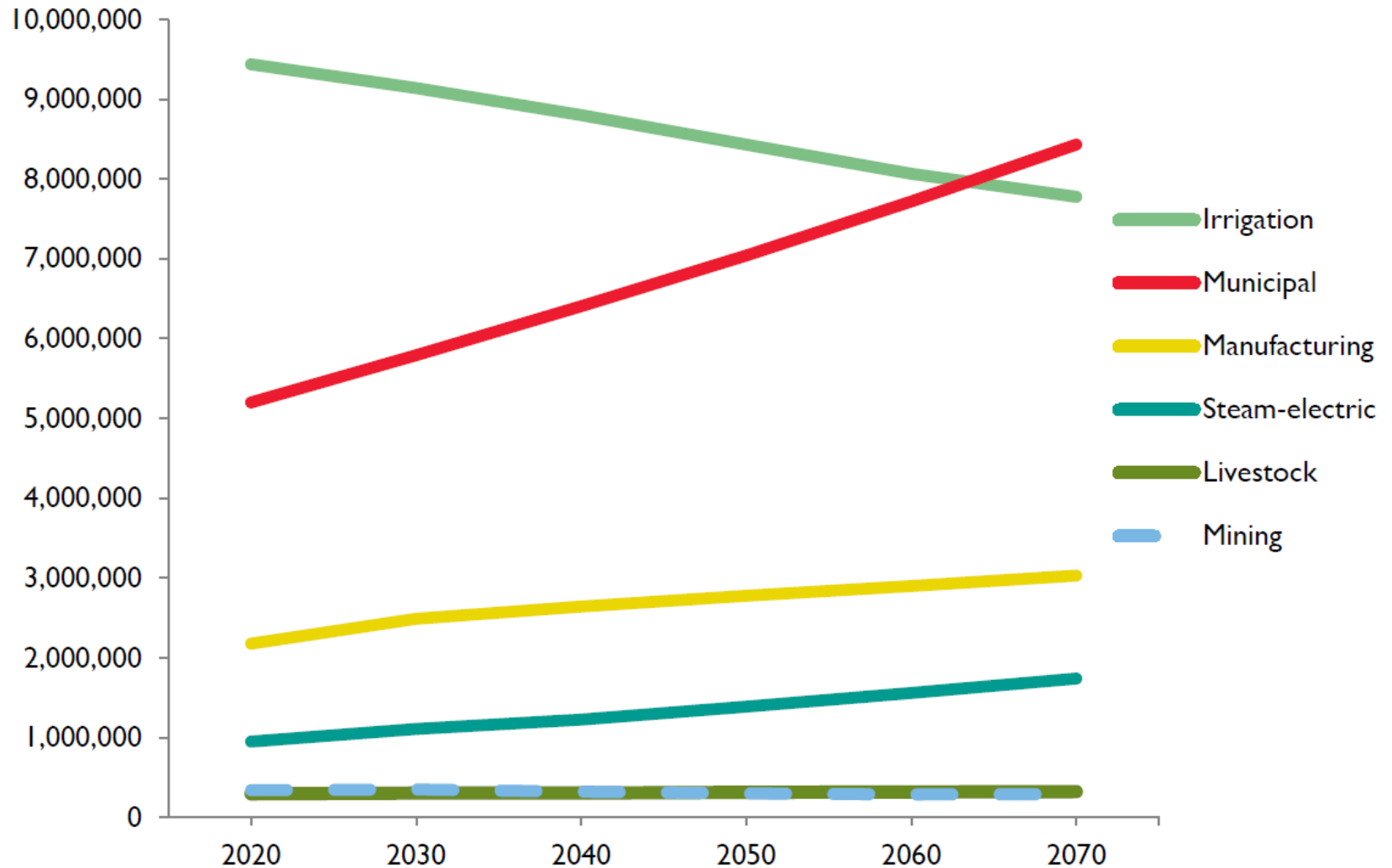


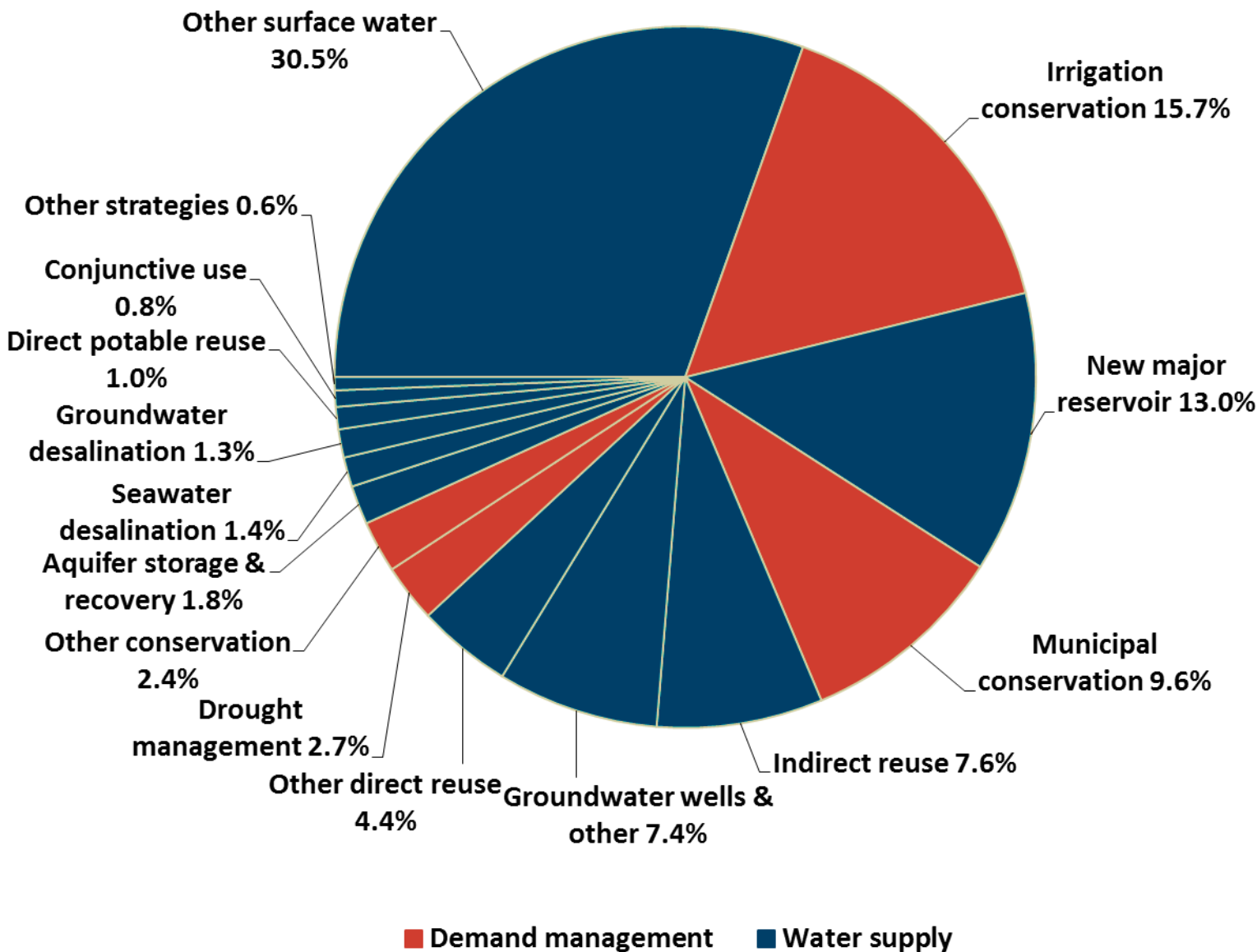
Region L



DEMAND

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- **Conservation**
- **Reuse**
- **Brackish groundwater desal**
- **Seawater desal**
- **Aquifer storage and recovery**
- **Aquifers**
- **Reservoirs**

CONSERVATION & REUSE

TAMEST Shale Task Force



Russell Schreiber
Director of Public Works
City of Wichita Falls
Lake Arrowhead



Tom Kula
Executive Director, NTMWD
John Bunker Sands Wetland Center
Seagoville

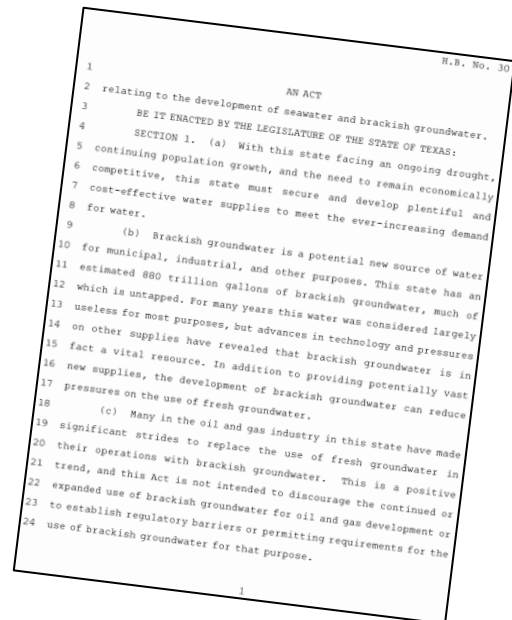
JOINT HOUSE HEARING: ENERGY RESOURCES & NATURAL RESOURCES

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84th Legislative Session - February 23, 2015



- Enhanced oil & gas activity using brackish groundwater
- Brackish groundwater sought as municipal supply
(> 100 desal plants in 2017 State Water Plan)
- House Bill 30





House Bill 30 (84th Legislature) - Brackish Groundwater Mapping

- December 2016: Four aquifers must be completed
- September 2017: Funded studies completed
- December 2022: Remaining aquifers must be completed
- Designate brackish groundwater production zones
- Estimate 30- and 50-year production without causing significant impact to fresh water aquifers

*Geologic strata used for Chapter 27 injection excluded from zone designation

Rig/Frac brackish groundwater supply wells:

- Water quality data
(help us calibrate our log interpretations)
- Geophysical logs
(help us interpret salinity zones)
- Aquifer test data / well yields
(help us determine aquifer productivity)



- Living data set that can grow, increasing scientific understanding of the aquifer as a whole
- Better data for industry
- Better science for policy makers
- Better information for businesses and communities to make decisions
- Creating jobs and economic growth for Texas



SAVE THE DATE!

TAMEST Shale Task Force



January 23-25, 2017

**AT&T Conference Center,
Austin, Texas**

Hosted by the TWDB

WaterForTexas.twdb.texas.gov

HOW TO CONTACT ME

TAMEST Shale Task Force



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