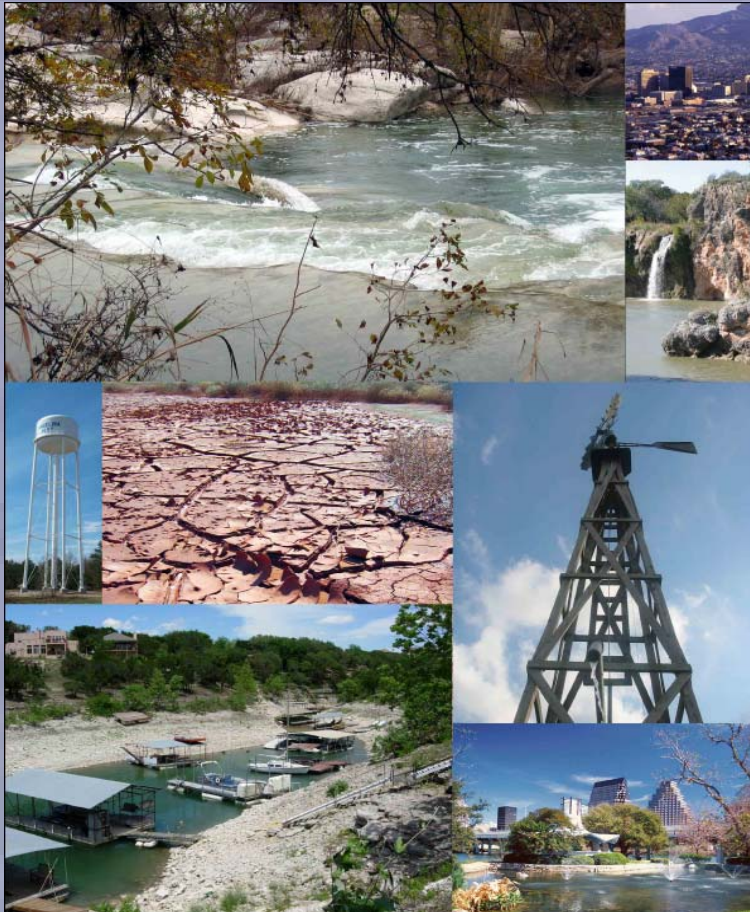




2007 Texas Regional & State Water Planning David Meesey, TWDB



Water for Texas 2007

Texas Water Development Board

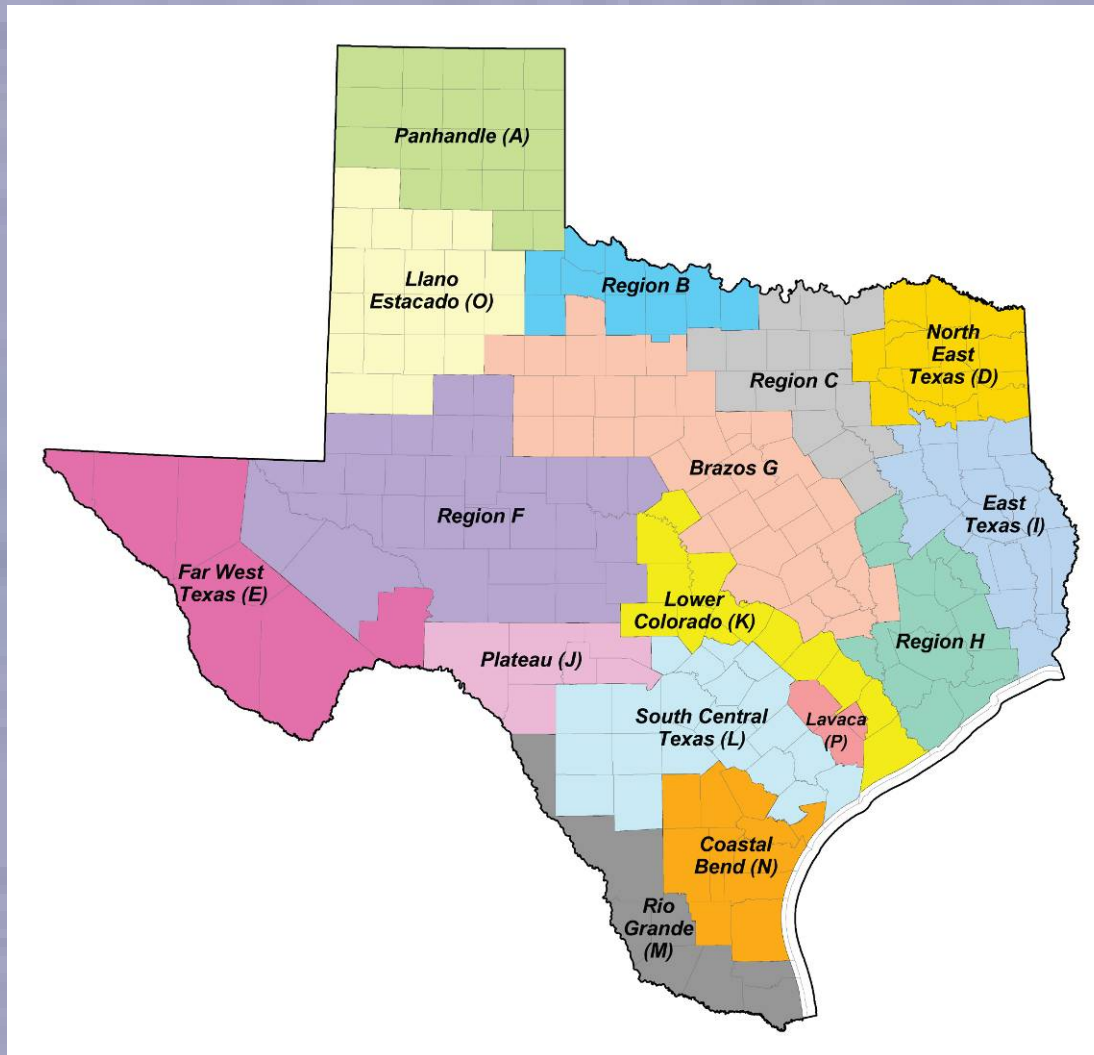
*Water for Texas
2007*



Texas Water Development Board



16 Planning Regions





Planning Process

- Consensus-driven approach, local and regional decision-making
- Open to public
- Statutory interests:
 - Public
 - Counties
 - Municipalities
 - Industries
 - Agriculture
 - Environment
 - Small business
 - Electric generating utilities
 - River authorities
 - Water districts
 - Water utilities





Regional Planning Process

- 50-year, drought-based planning period
- Project population and water demand
- Existing water supply
- Evaluate need for additional water
- Recommend strategies



Incentives

- A proposed project must address a need in a manner that is consistent with an approved Regional Water Plan to be considered for:
 - TWDB funding
 - TCEQ surface water right permit



TWDB Approval of Plans

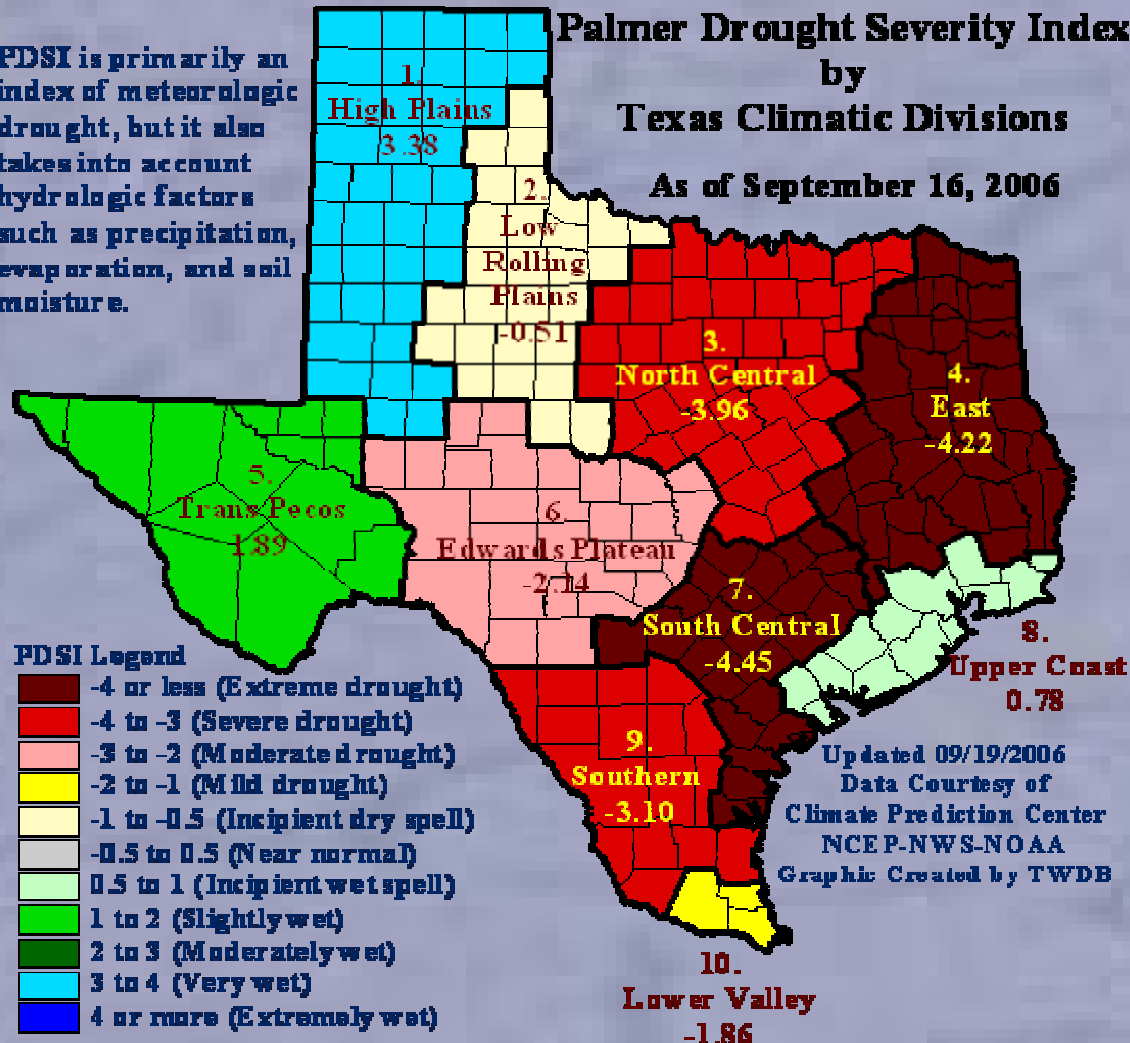
- Meets guidelines in TWDB rules
- Meets statutory requirements in Texas Water Code
- Determine no inter-regional conflicts



Palmer Drought Severity Index

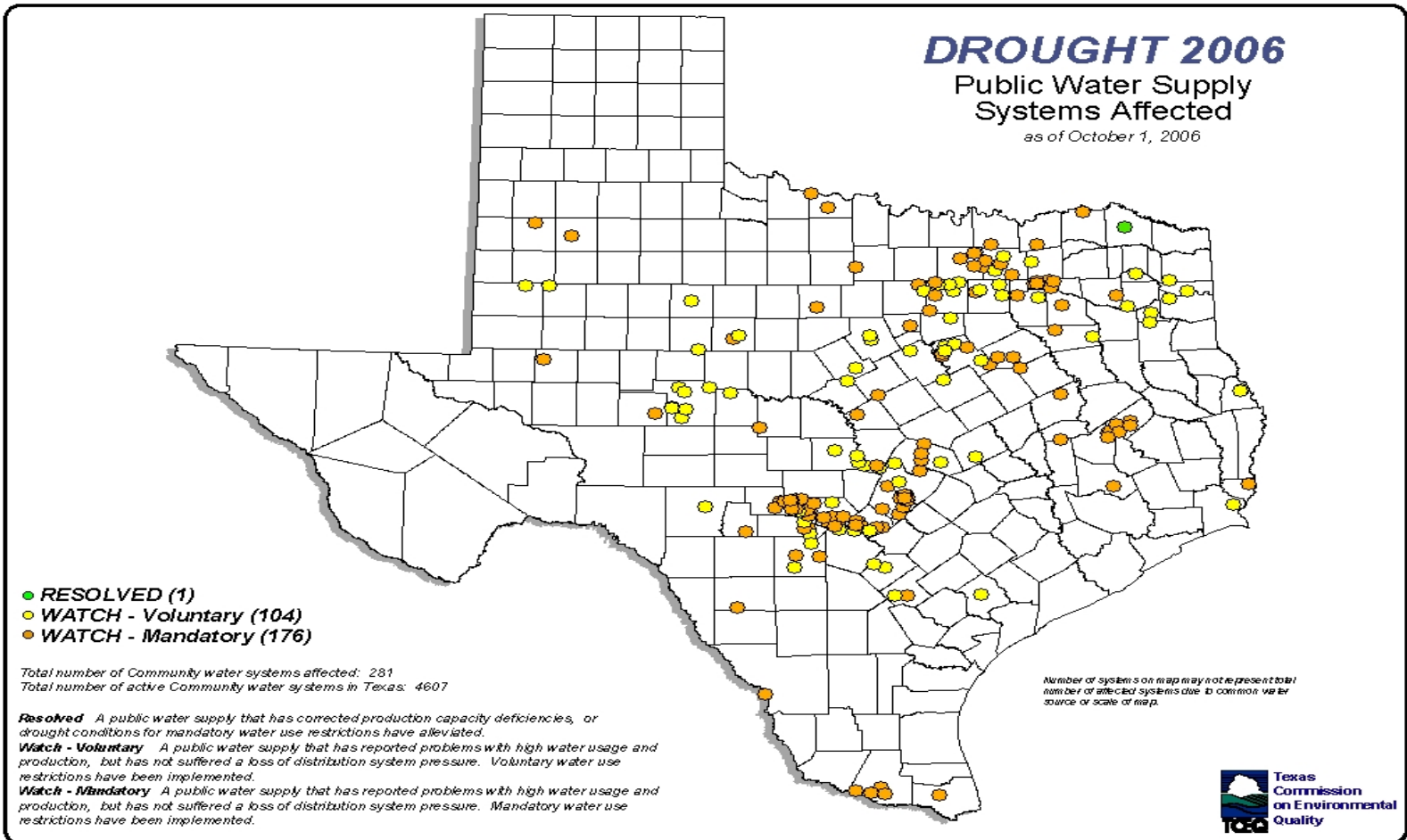
PDSI is primarily an index of meteorologic drought, but it also takes into account hydrologic factors such as precipitation, evaporation, and soil moisture.

Palmer Drought Severity Index by Texas Climatic Divisions As of September 16, 2006



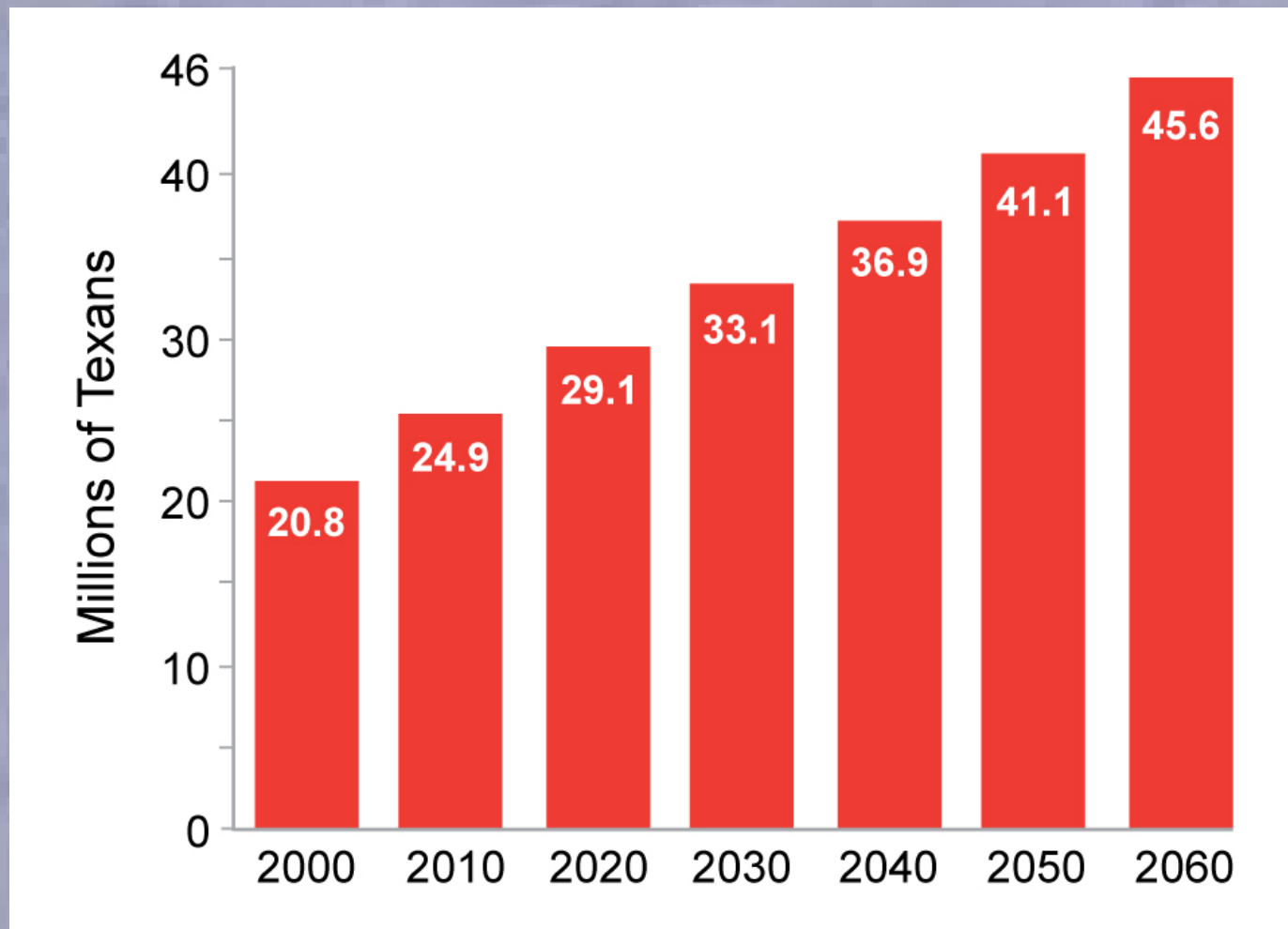


Public Water Supply Systems Affected by Drought



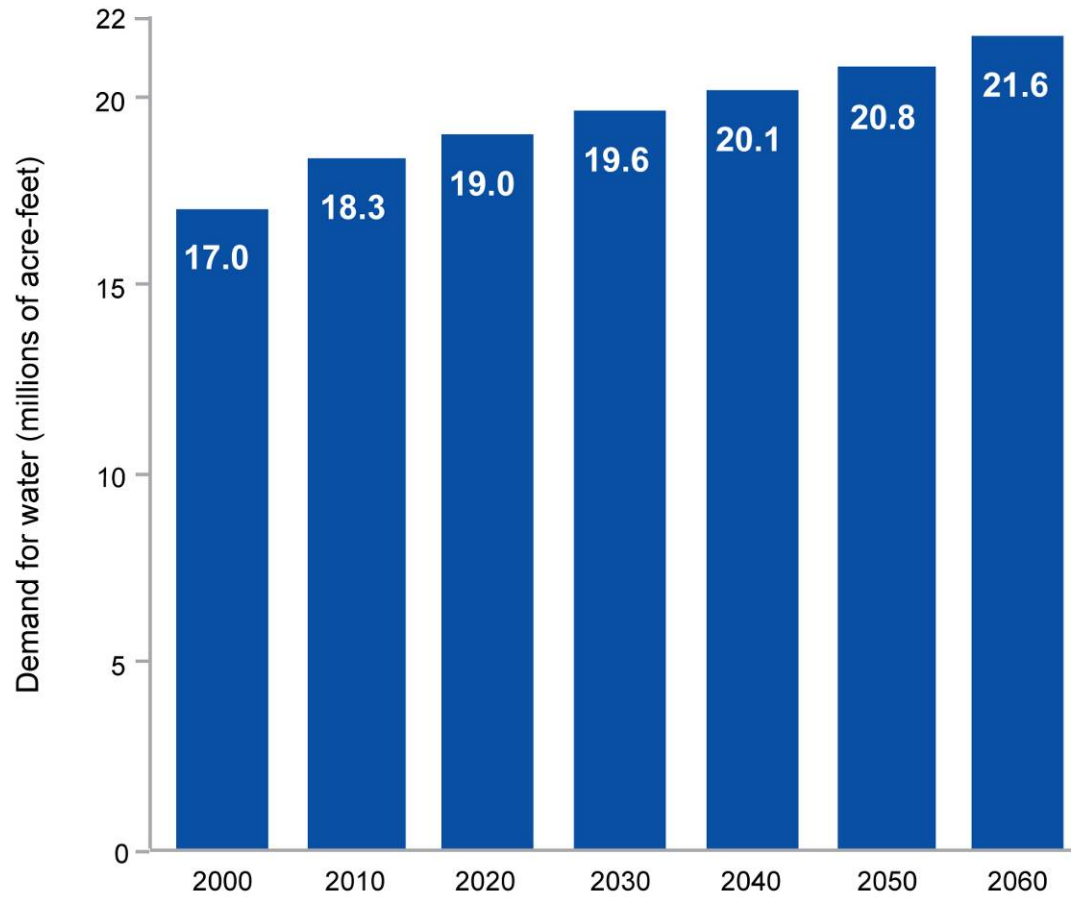


Statewide Projected Population Growth



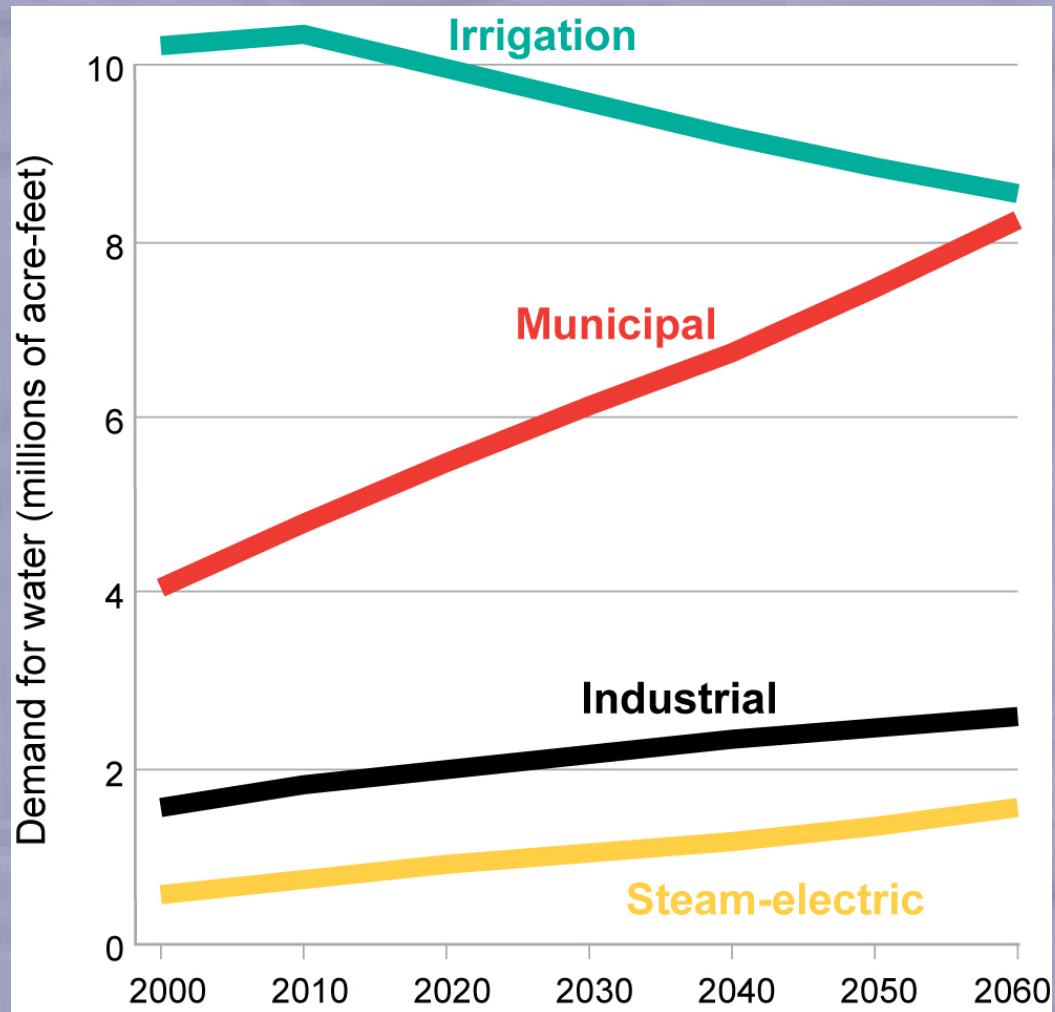


Projected Demand



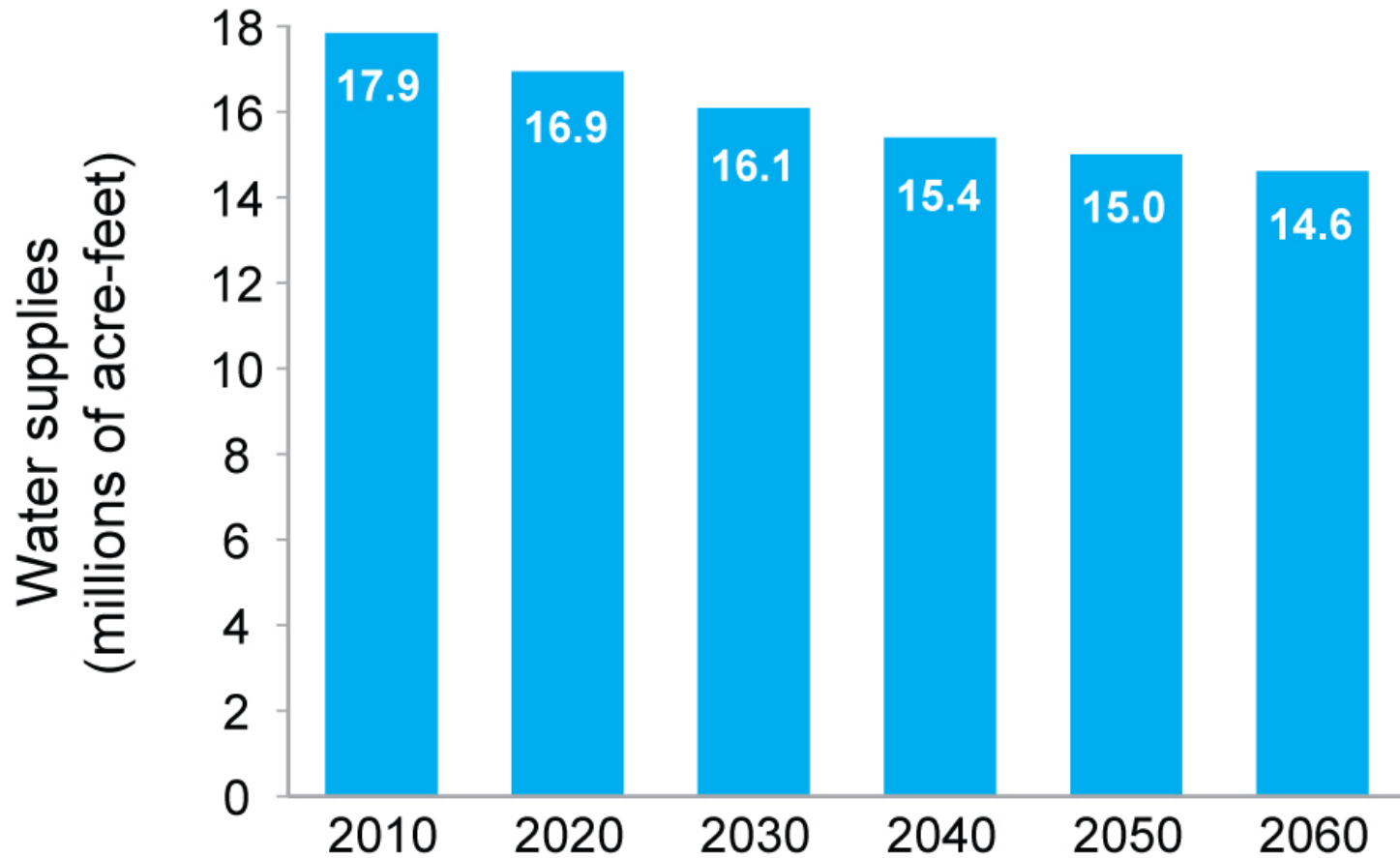


Projected Demand



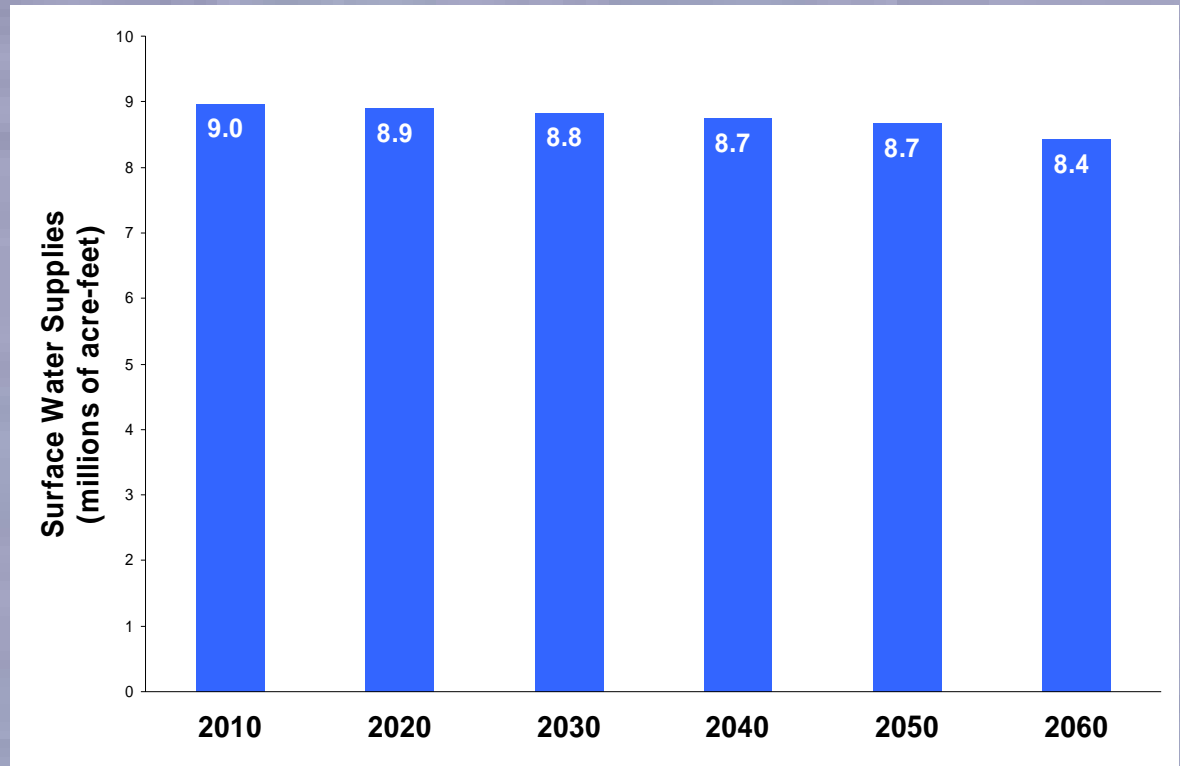


Projected Supply



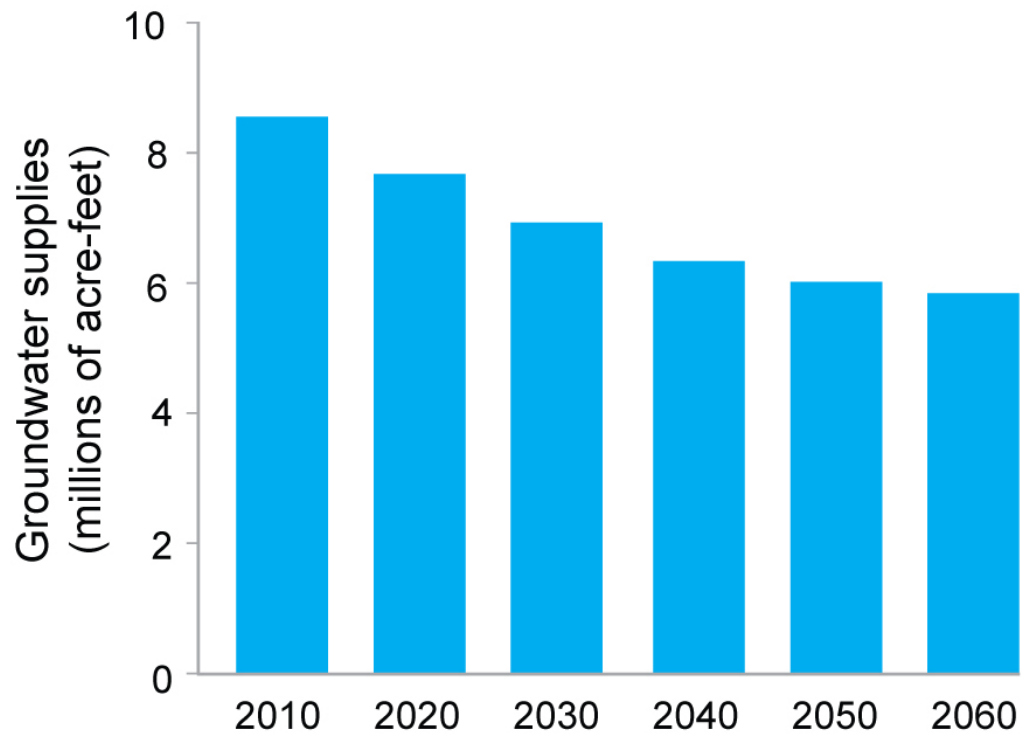


Supply: Surface Water





Supply: Groundwater





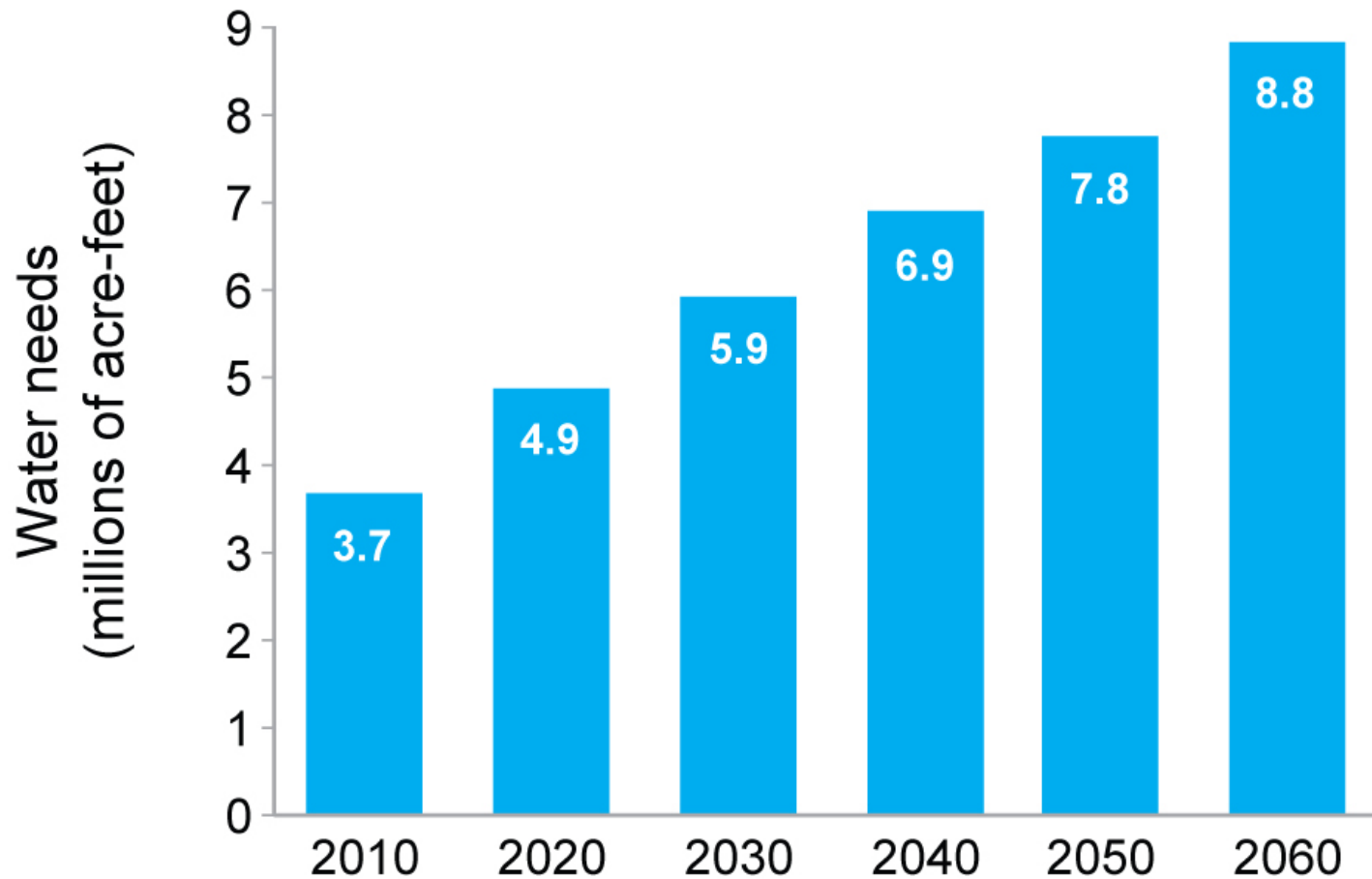
Needs

Texas does not have enough water today to meet future demand during times of drought



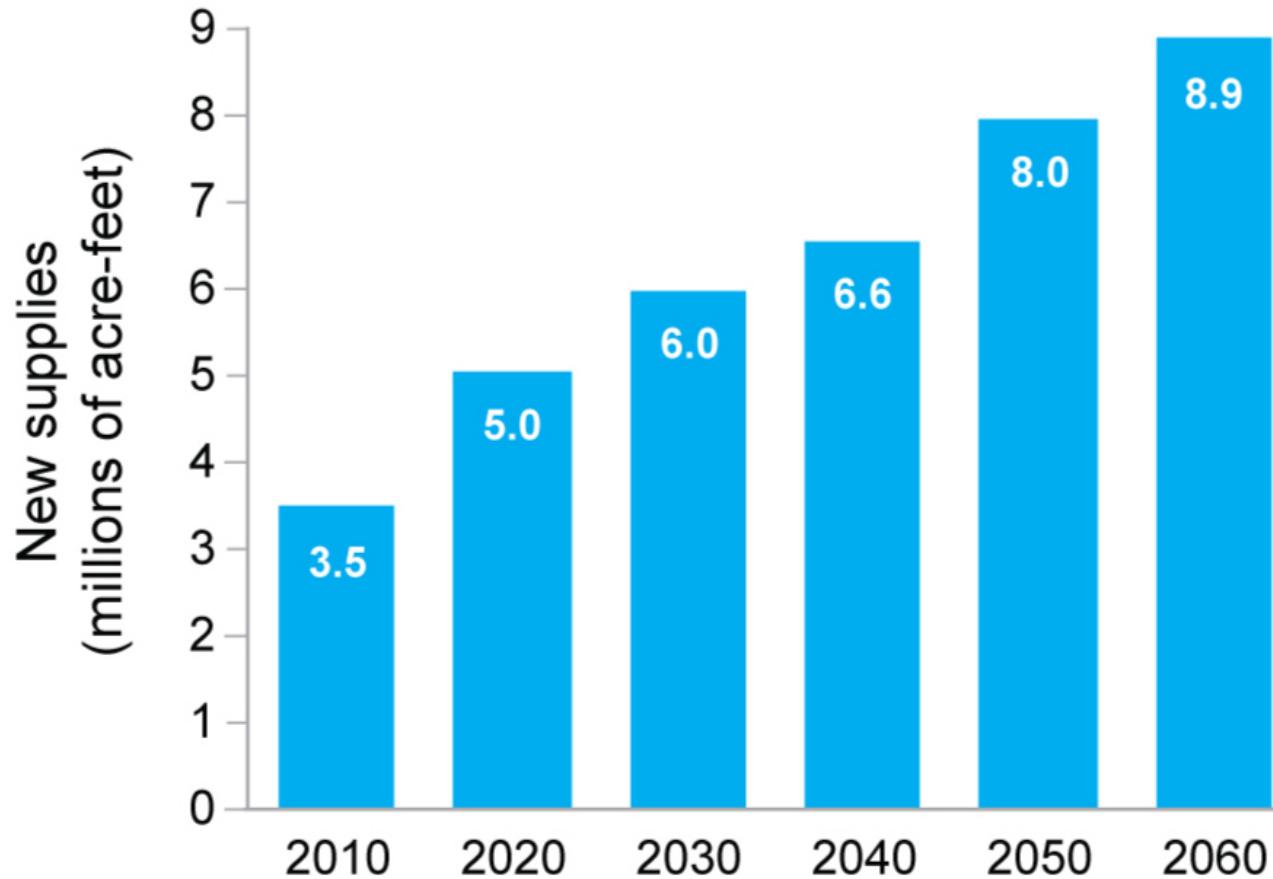


Water Supply Needs



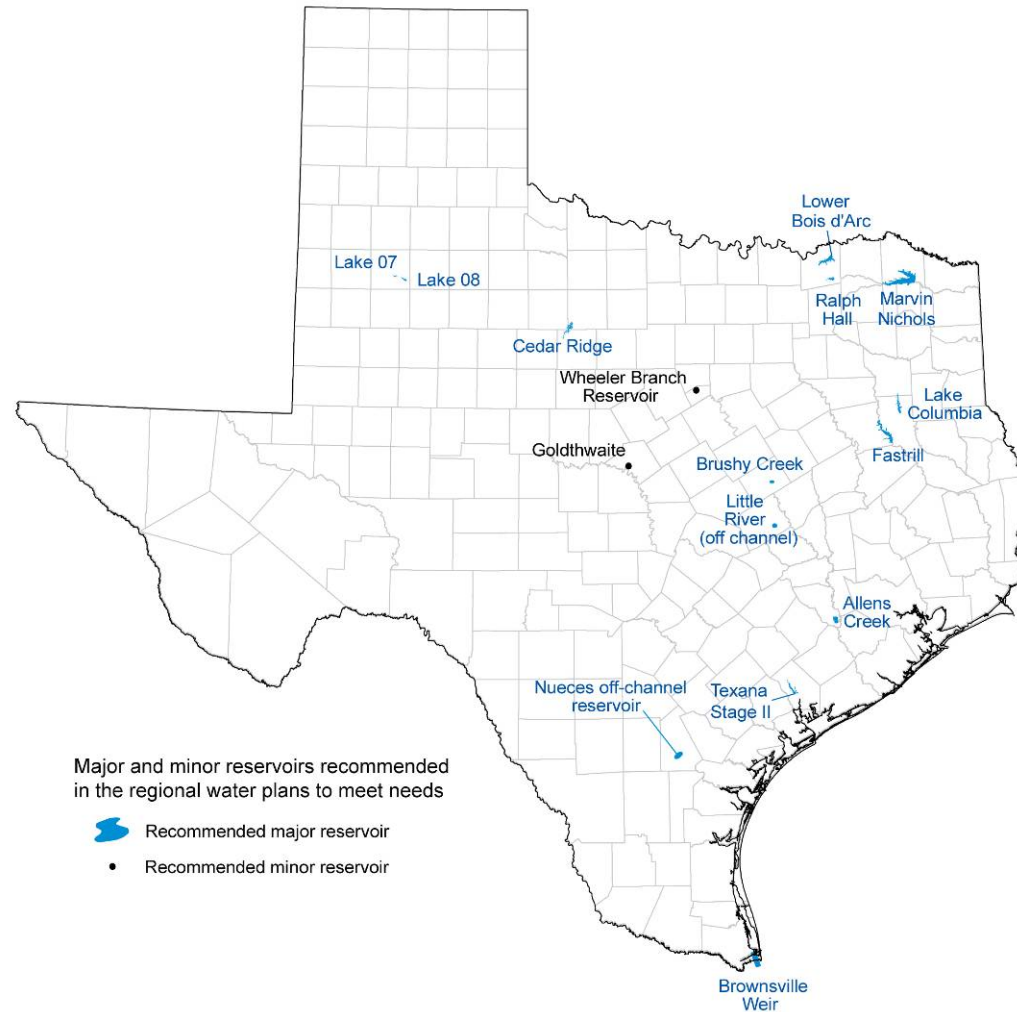


Water Volume from Recommended Water Management Strategies





Recommended Major and Minor Reservoirs





Costs

Total capital costs : \$30.7 billion





Costs of Not Implementing Plan

- Businesses and workers: \$9.1 billion in 2010, \$98.4 billion in 2060
- Lost local and state taxes: \$466 million in 2010, \$5.4 billion in 2060
- ***About 85 percent of the state's population will not have enough water by 2060 in drought of record***





TWDB Policy Recommendations to the Legislature





Legislative Recommendations

- Financing Water Management Strategies
- Reservoir Site Designation and Acquisition
- Interbasin Transfers of Surface Water
- Environmental Water Needs



Legislative Recommendations

- Expedited Amendment Process
- Indirect Reuse of Wastewater
- Water Conservation



Questions/Information

- Texas Water Development Board website:
- www.twdb.state.tx.us