

Application of TDC's Projections in Water Planning

Presented to

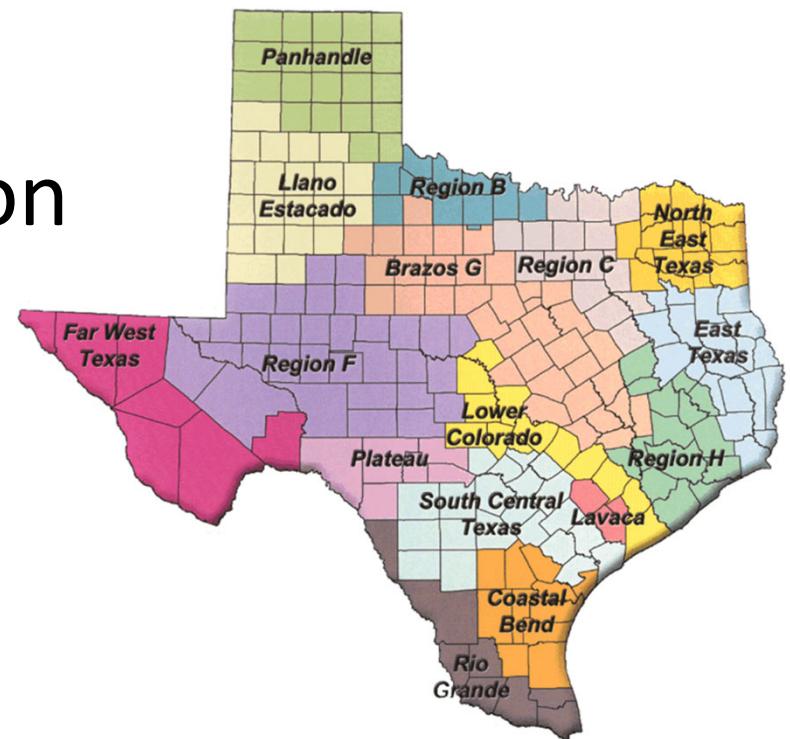
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Texas Water Development Board
(TWDB)

Basic Planning Parameters

- Planning for drought of records water needs
- 50-year planning horizon (2020-2070)
- 5-year planning cycle
- 16 Regional plans & State Water Plan



Water Planning - Projections Process



Developing
Draft
Projection

- 254 Counties (TDC)
- >1,300 Utilities (TWDB)

Revision
Process

- Review & request changes
- TWDB staff review with 3 other agencies

Application of TDC's Projections

1. Serves as draft state and county projections

- Cohort-Component Method
- 0.5 Scenario as default

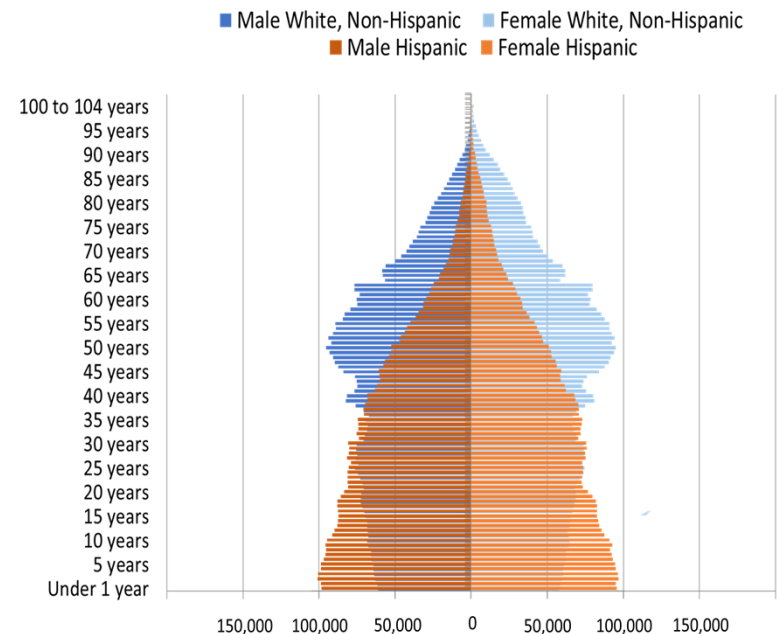
2. Basis of sub-county projections

- 1,300 water utilities
- Ratio Trend Analysis:
Share of pop / Share of growth

Application of TDC's Projections

3. Provides additional information during revision process

- Provides alternative scenarios (0, 0.5, 1.0)
- Serves as benchmark
- Provides demographic details




Benefits

- Provides the best available projections
- Upholds credibility and consistency in the TWDB's projections
- Saves agency resources and staff time
- Provides valuable demographic details

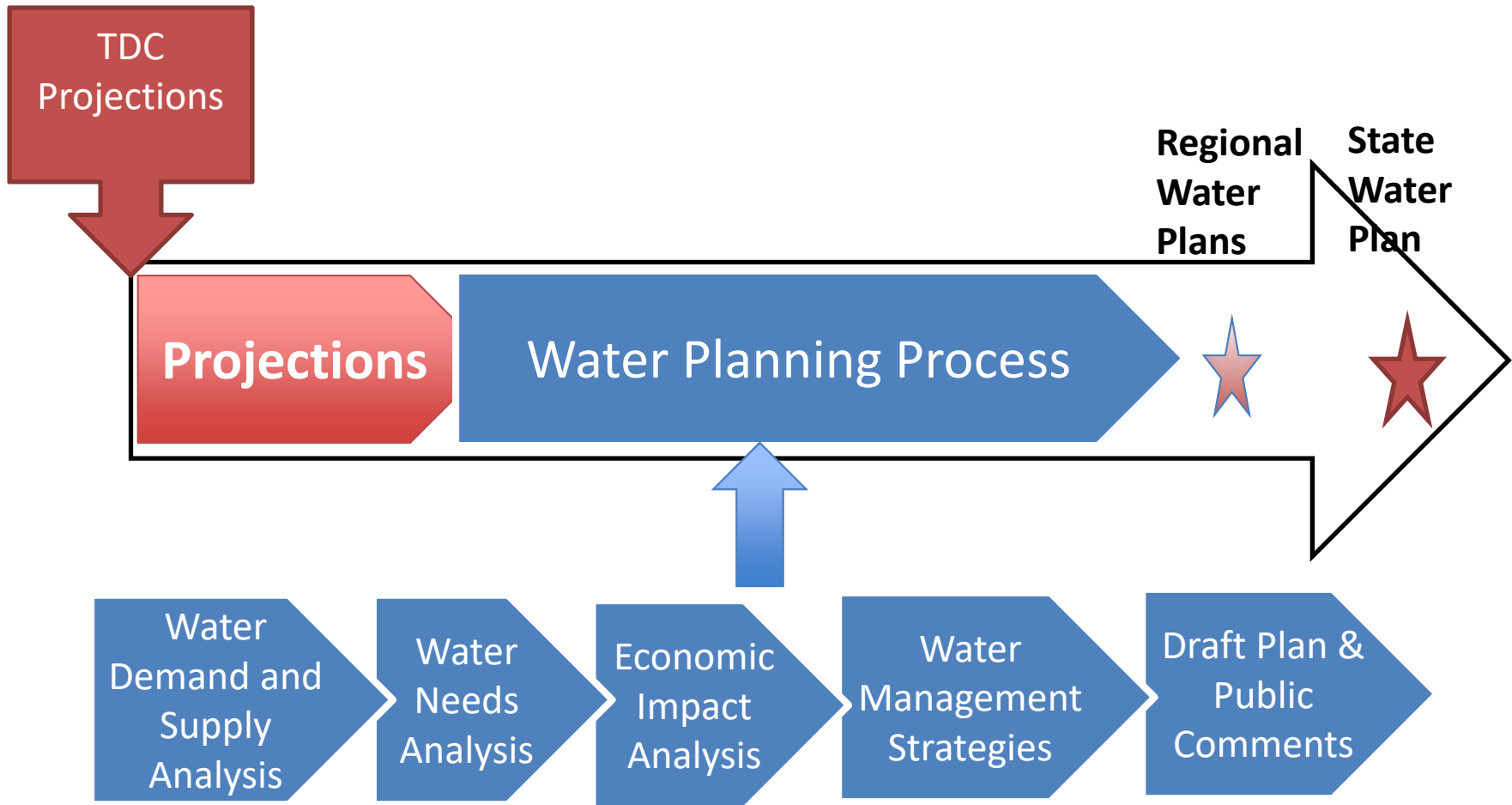
Challenges in using TDC data

– No set data release schedule

- Difficult to plan
- Any delays can add significant pressure on the regional water planning process 
- Suggestion: data release schedule

– One Scenario-based projections

- No one scenario fits all
- Long term planning
- Suggestion: 0.5 & 1.0



Questions?

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Other Suggestions:

– Keep historical data

- Estimates & projection data sets & methodology documents for the previous years

– Share source data

- Vital data, building permit & housing data, etc.