Regional Water Planning in Texas and ASR

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Presented to ASR for Texas! 2021
May 5, 2021
Planning in a nutshell

- How many Texans will there be?
- How much water do we have?
- Do we have enough water?
- What can we do to get more water?
- How much will it cost?
- How much water will be required?
More information

• Regional Water Planning site: http://www.twdb.texas.gov/waterplanning/rwp/index.asp

H.B. No. 807

AN ACT

relating to the state and regional water planning process.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:

SECTION 2. Sections 16.053(e) and (i), Water Code, are amended to read as follows: ...

(10) if the regional water planning area has significant identified water needs, provides a specific assessment of the potential for aquifer storage and recovery projects to meet those needs;
Guidance to RWPGs

- Threshold(s) for significant identified water needs defined by the RWPG;
- Clearly document how threshold of significant water needs was determined;
- Generally assess ASR potential to the best of RWPG’s ability;
- Clearly document assessed ASR feasibility;
- The TWDB provided the agency’s currently available and relevant information on ASR for the RWPGs to consider in this effort.
Results from implementing HB 807

• Threshold(s) for significant identified water needs:
  – Qualitative: Any non-irrigation water need; any major water provider need
  – Quantitative: 800 AFY – 25,000 AFY

• ASR recommended by 10 regions

• Regions **not recommending** ASR (Regions B, D, F, I, M, and P) cited reasons such as the lack of suitable geology in proximity to needs, cost constraints, or a lack of interested project sponsors.
Strategies in the 2021 RWP

- Other surface water
- Agricultural conservation
- Municipal conservation
- New major reservoir
- Indirect reuse
- Groundwater wells & other
- Other direct reuse
- Aquifer storage & recovery
- Seawater desalination
- Drought management
- Groundwater desalination
- Other strategies
- Conjunctive use
- Direct potable reuse
- Industrial conservation

[Bar chart with different strategies and their respective values for water supply and demand management]
Questions?

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