

Agenda Item 6.9

Progress Report on Five Studies

April 29, 2008



Current 5 Studies

1. Impacts of drought on water supplies in upper Brazos G Region.
2. Re-evaluate water management strategies in the Nolan County area.
3. Regionalization strategies to assist small water systems in meeting new SDWA requirements.
4. Refine water management strategies for Johnson County.
5. Refine water management strategies for McLennan County.



Study No. 1 – Impacts of Drought on Water Supplies in Upper Brazos G Region

- ✓ No work initiated to-date.
- ✓ Scope of Work states that hydrology will be updated through June 2008 to try to capture the end of the recent drought cycle.
- ✓ Project will kick off in early July.

Study No. 2 – Re-evaluate Water Management Strategies in the Nolan County Area

- ✓ Model framework has been developed
- ✓ Presented to TWDB as draft report sections
- ✓ TWDB has reviewed and approved the conceptual model framework
- ✓ HDR is now proceeding with development of model

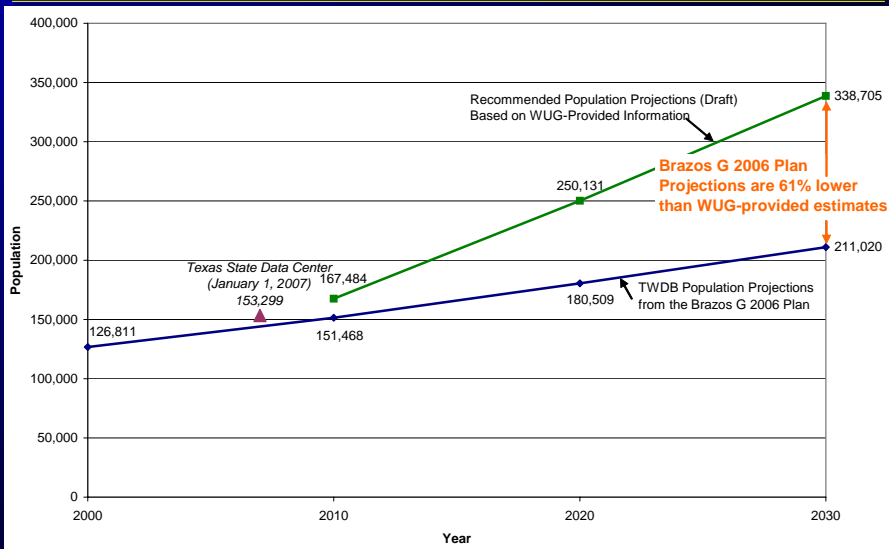
Study No. 3 – Regionalization Strategies to Assist Small Water Systems in Meeting New SDWA Requirements

- ✓ TCEQ data have been obtained documenting:
 - Systems in violation of MCL or near violation
 - System deficiency scores (many factors)
- ✓ Data input into GIS and geographic groupings of “problematic” PWS identified.
- ✓ HDR currently contacting local entities.
 - Interest?
 - Other issues not reflected in TCEQ data?
 - Overall viewpoints
- ✓ List will be refined, and recommendations made at next RWPG meeting.

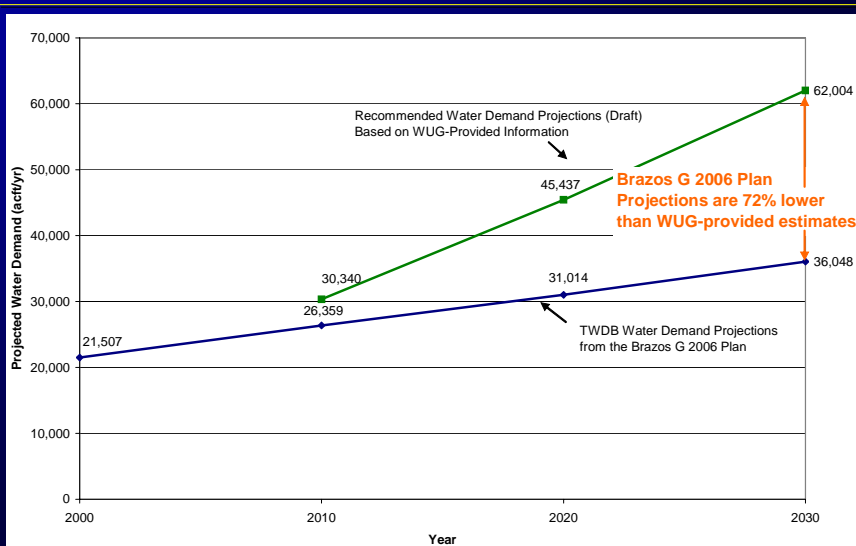
Study No. 4 – Refine Water Management Strategies for Johnson County

- ✓ Joint study with Region C: “Four County Water Supply Study”
 - Johnson, Ellis, Dallas and Tarrant Counties
 - HDR tasks: “assist” Region C and provide Brazos G perspective for Johnson County
- ✓ Work to-date:
 - **September 2007:** met with 7 Johnson County utilities to discuss water demands, supplies and potential new strategies
 - **October – November 2007:** assisted Region C with “Regional System Implementation Plan Survey” (15 of 26 survey recipients responded, or 58%)
 - **December 2007:** met with wholesale water providers to discuss additional supplies, and timing of new projects and infrastructure needs
 - **February 2008:** Assimilated revised population and demand projections based on feedback from WUGs and local growth trends
 - Region C has “approved” revised population and demand projections, but some may still be revised
 - HDR will present in detail next RWPG meeting

Johnson County Population Projections



Johnson County Water Demands



Study No. 4 – Refine Water Management Strategies for Johnson County

Steps forward:

- ✓ **Approval of new population and water demand projections for four county study area**
- ✓ **Evaluate conceptual water supply alternatives for study area, including cost analysis**
 - **Preliminary results should be available June/July 2008**
- ✓ **Present conceptual plans to wholesale water providers and utilities**

Study No. 5 – Refine Water Management Strategies for McLennan County

- ✓ **No substantive progress to report.**
- ✓ **Work will commence in May/June.**

Questions?
