



2016 Llano Estacado Regional Water Plan

Planning Group Meeting

March 26, 2015
Lubbock, Texas



DBS&A
Daniel B. Stephens & Associates, Inc.



High Plains
Underground Water
Conservation District



Espey



PARKHILL SMITH & COOPER






Agenda Item 6 - Chapter 1

- Description of the Water Planning Area
 - 1.1 State Water Planning
 - 1.2 Population
 - 1.3 Economic Activity
 - 1.4 Current Water Use
 - 1.5 Current Water Supplies & Quality
 - 1.6 Wholesale Water Providers
 - 1.7 Agricultural and Natural Resources





Agenda Item 6 - Chapter 1 cont.

- Description of the Water Planning Area
 - 1.8 Threats to Water Supply, Agriculture, and Natural Resources
 - 1.9 Existing Local and Regional Water Plans
 - 1.10 Drought
 - 1.11 Water Loss Audits





Agenda Item 6 - Chapter 2

- Population and Water Demand Projections
 - 2.1 Population Projections
 - County-level, WUG, and river basin projections
 - 2.2 Water Demand Projections
 - Municipal
 - Industrial
 - Irrigation
 - Livestock
 - Wholesale water providers





Agenda Item 6 - Chapter 3

- Water Availability and Existing Water Supplies
 - 3.1 Evaluation of Water Availability
 - Groundwater, surface water, and reuse
 - 3.2 Existing Water Supplies
 - Import and export of existing water supplies
 - Existing water supplies by WUG type
 - Existing water supplies by county
 - Existing water supplies for the WWP's





Agenda Item 6 - Chapter 4

- Identification of Water Needs
 - 4.1 First Tier Water Needs
 - Municipal, irrigation, livestock, industrial, and WWP needs
 - 4.2 Second Tier Water Needs
 - Municipal, irrigation, and WWP needs
 - 4.3 Socioeconomic Impact of Unmet Needs





Agenda Item 6 - Chapter 5

- Water Management Strategies
 - 5.0 Introduction, types of potentially feasible strategies, evaluation process
 - 5.1 Evaluations
 - 5.2 Management Supply Factor
 - 5.3 Recommended WMSs
 - County summaries





Agenda Item 6 - Chapter 6

- Impacts of the Regional Water Plan
 - 6.1 Impacts of water management strategies on key water quality parameters
 - 6.2 Impacts of moving water from agricultural and rural areas
 - 6.3 Long-term protection of the State's water, agricultural, and natural resources
 - 6.4 Socioeconomic impact analysis by TWDB






Agenda Item 6 - Chapter 7

- Drought Response Information, Activities, and Recommendations
 - 7.1 Descriptions of current preparations for drought
 - 7.2 Drought(s) of record
 - 7.3 Existing and potential emergency interconnects
 - 7.4 Recommendations regarding triggers and actions to be taken in drought





Agenda Item 6 - Chapter 7 cont.

- Drought Response Information, Activities, and Recommendations
 - 7.5 Emergency responses to local drought conditions or loss of municipal supply
 - 7.6 Other drought-related considerations and RWPG recommendations
 - 7.7 Development of region-specific model drought contingency plans






Agenda Item 6 - Chapter 8

- Unique Stream Segments and Reservoir Sites and Other Recommendations
 - 8.1 Unique stream segments
 - 8.2 Unique reservoir sites
 - 8.3 Other legislative recommendations
 - Funding for project implementation
 - Planning process improvements
 - Rule of Capture and the Common Law Doctrine of Groundwater Ownership





Agenda Item 6 - Chapter 8 cont.

- Unique Stream Segments and Reservoir Sites and Other Recommendations
 - 8.3 Other legislative recommendations
 - Importance of agriculture to the region and state
 - Issue of planning for the agricultural sector
 - Playa best management practices
 - Control of invasive species
 - Protection of springs and seeps





Agenda Item 6 - Chapter 9

- Reporting of Financing Mechanisms for Water Management Strategies
 - 9.1 Introduction
 - 9.2 Objectives of the infrastructure financing analysis
 - 9.3 Methods and procedures
 - 9.4 Sample survey and survey information
 - 9.5 Survey responses





Agenda Item 6 - Chapter 10

- Adoption of Plan and Public Participation
 - 10.1 Llano Estacado regional water planning group
 - 10.2 Water supply and water conservation data gathering
 - 10.3 Llano Estacado regional water planning group meetings
 - 10.4 Coordination with other regions (A, B, F, & G)





Agenda Item 6 - Chapter 10 cont.

- Adoption of Plan and Public Participation
 - 10.5 TWDB comments on the IPP and responses
 - 10.6 Public comments on the IPP and responses
 - 10.7 Final plan adoption





Agenda Item 6 - Chapter 11

- Implementation and Comparison to the Previous Regional Water Plan
 - 11.1 Implementation of the 2011 Region O RWP
 - 11.2 Comparison to the 2011 Region O RWP
 - Water demand projections
 - Drought of record and model assumptions
 - Groundwater and surface water availability
 - Existing water supplies for water users
 - Water user needs
 - Recommended and alternative WMSs





Agenda Item 7

- County summaries
 - location, area, river basin, reservoirs, aquifers, groundwater district, ecoregion, population, population centers
 - summary of water needs
 - proposed water management strategies
 - summary of unallocated water availability by water source and river basin





Agenda Item 7

- County summaries
 1. Bailey
 2. Briscoe
 3. Castro
 4. Cochran
 5. Crosby
 6. Dawson
 7. Deaf Smith





Agenda Item 7

- County summaries
 8. Dickens
 9. Floyd
 10. Gaines
 11. Garza
 12. Hale
 13. Hockley
 14. Lamb





Agenda Item 7

- County summaries
 15. Lubbock
 16. Lynn
 17. Motley
 18. Parmer
 19. Swisher
 20. Terry
 21. Yoakum





Next Steps

- RWPG review of draft chapters (posted on planning group website)
- April meeting
 - Presentation of Executive Summary and Chapter 5
 - Acceptance of draft plan for submittal
- Draft plan is due to the TWDB by May 1, 2015
- Number of hardcopies
 - We will provide CDs of the IPP for each member, and hardcopies on request.

