

Riverbend Water Resources District Regional Water Master Plan Study



Project Kick-off Meeting

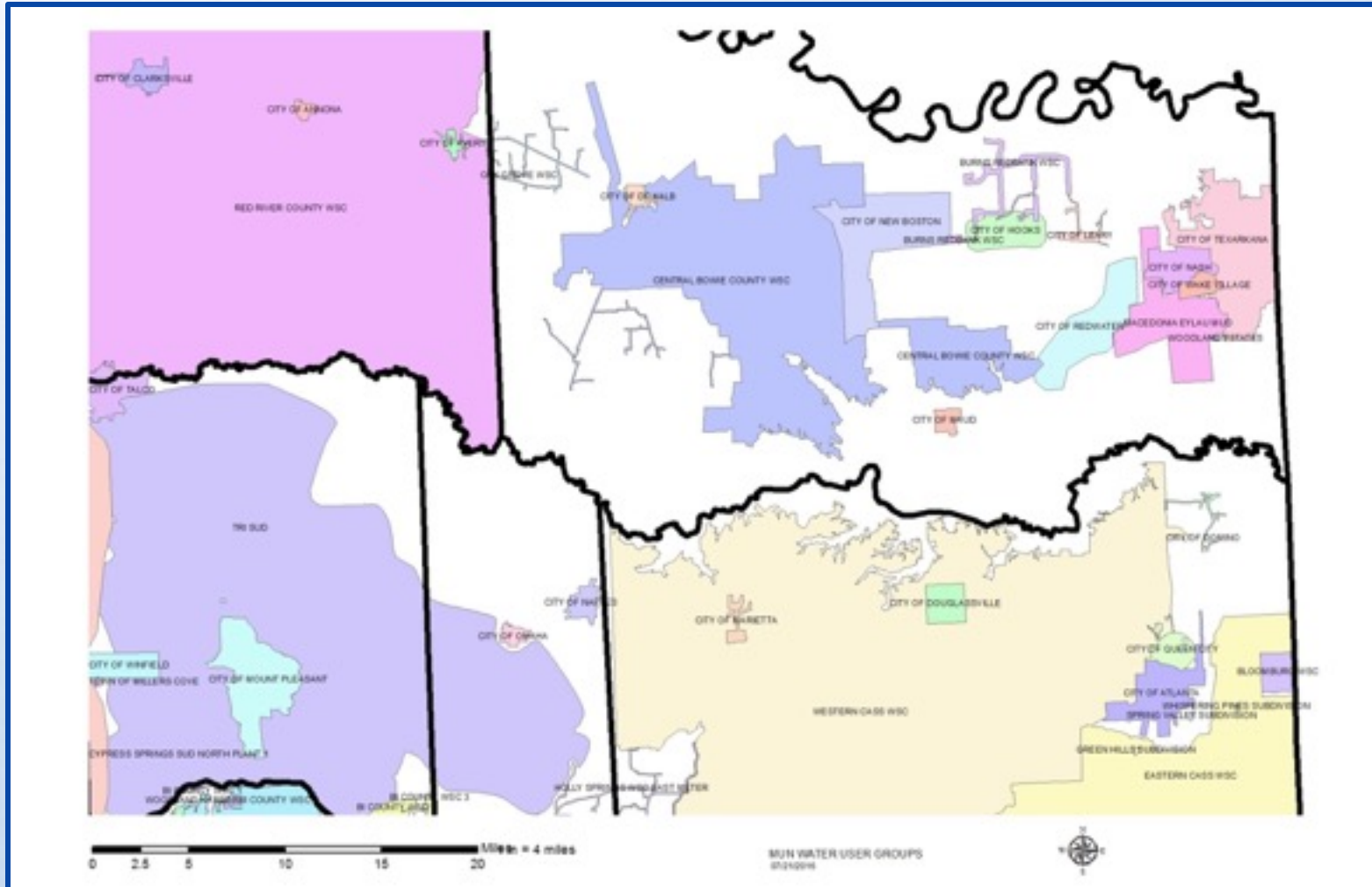
**City of Texarkana – City Hall
July 21, 2016**

Presentation Outline

- ◆ **Study Area**
- ◆ **Project Participants**
- ◆ **Scope of Work**
- ◆ **Project Schedule**
- ◆ **Roundtable Discussion**
- ◆ **Next Steps**



RWRD Water Master Plan – Study Area



Project Participants

- ◆ **Riverbend Water Resources District**
- ◆ **Bowie County**
- ◆ **Cass County**
- ◆ **Red River County**
- ◆ **Sulphur River Basin Authority**
- ◆ **Northeast Texas Municipal Water District**
- ◆ **City of Annona**
- ◆ **City of Atlanta**
- ◆ **City of Avery**
- ◆ **City of Clarksville**
- ◆ **City of De Kalb**
- ◆ **City of Hooks**



Project Participants (cont.)

- ◆ **City of Leary**
- ◆ **City of Maud**
- ◆ **City of Nash**
- ◆ **City of New Boston**
- ◆ **City of Redwater**
- ◆ **City of Texarkana (Texas)**
- ◆ **City of Texarkana (Arkansas)**
- ◆ **City of Wake Village**
- ◆ **International Paper Company**
- ◆ **Southwest Arkansas Water District**
- ◆ **TexAmericas Center**



Study Focus Areas

- ◆ **Feasibility of developing a regional water system to replace and/or supplement the multiple systems currently in service;**
- ◆ **Water management strategies in more detail in the *2016 TWDB Region D Water Plan* as they apply to RWRD;**
- ◆ **Various treatment option/existing facilities to provide cost-effective & reliable water supply;**
- ◆ **Options to provide a reliable water supply in regards to location/type of intake structure; and,**
- ◆ **Interconnections of existing water systems, where needed, to provide redundancy in case of system failures.**



Initial Project Goals

- ◆ **Conduct regional study in an inclusive manner to allow public involvement and gain buy-in;**
- ◆ **Build upon available information and data from previous planning activities for and by RWRD;**
- ◆ **Incorporate a more focused evaluation of existing water supplies and infrastructure alternatives available to RWRD;**
- ◆ **Provide a detailed evaluation of present and future water supply and needs along with a defensible approach for RWRD moving forward; and,**
- ◆ **Develop planning roadmap for RWRD that aligns with TWDB Region D and well-positions RWRD for various grants and financing alternatives.**

Scope of Work

- ◆ **Service Area Description – Data Collection**
- ◆ **Population & Water Demand Projections**
 - Developed in five-year increments through 2070
- ◆ **Existing Water Infrastructure Assessment**
 - Millwood Water Treatment Plant & Ancillary Facilities
 - New Boston Road Water Treatment Plant & Ancillary Facilities
 - International Paper Water Treatment Plant & Ancillary Facilities
- ◆ **Existing Water Supply Assessment**
 - Lake Millwood
 - Lake Wright Patman



Scope of Work (cont.)

- ◆ **Raw Water & Distribution System Alternatives***
- ◆ **Treatment System Alternatives***
- ◆ **Operational Alternatives**
- ◆ **Cost Estimates for Scenarios**
- ◆ **Water Conservation/Drought Management Plans**
- ◆ **Funding Options**

** Note: Scope includes fully developing five regional distribution/treatment alternatives*



Project Timeline

- ◆ **Project Kick-off Meeting (July 21, 2016)**
- ◆ **Second Meeting (November 2016)**
 - Discuss population/water demand data and various regional water supply, distribution/treatment alternatives
- ◆ **Third Meeting (March 2017)**
 - Discuss preliminary cost analysis and evaluation of final alternatives for regional supply, distribution and treatment
- ◆ **Interim Work Session (May 2017)**
 - Discuss detailed cost analysis of final alternatives selected
- ◆ **Fourth Meeting (August 2017)**
 - Discuss comments on Draft Report
- ◆ **Finalize Report by December 31, 2017**

Roundtable Discussion

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