

5B.11 Fisher County Water Supply Plan

Table 5B.11-1 lists each water user group in Fisher County and their corresponding surplus or shortage in years 2030 and 2050. For each water user group with a projected shortage, a water supply plan has been developed and is presented in the following subsections. Water supply plans are also presented for some entities that need pumping/conveyance facilities to utilize their existing water resources, or to become a regional provider. In addition, long-term considerations are provided for some entities with projected surpluses. Fisher County, through its County Commissioner’s Court, has submitted a series of resolutions supporting a variety of regional water supply planning and development initiatives. The specific resolutions are included at the end of Volume 1. The recommended plan described below either includes specific proposed projects mentioned in the resolutions, or are generally consistent with them.

**Table 5B.11-1.
Fisher County Surplus/(Shortage)**

Water User Group	Surplus/(Shortage)¹		Comment
	2030 (acft/yr)	2050 (acft/yr)	
City of Roby	(54)	(48)	Projected shortage – see plan below
City of Rotan	0	0	Supply allocated based on projected demand
County-Other	69	89	Projected surplus
Manufacturing	65	32	Projected surplus
Steam-Electric	0	0	No demand or supply
Mining	100	96	Projected surplus
Irrigation	3,991	4,126	Projected surplus
Livestock	0	0	Supply equals demand

¹ From Tables 4-21 and 4-22, Section 4 – Comparison of Water Demands with Water Supplies to Determine Needs.

5B.11.1 City of Roby

5B.11.1.1 Description of Supply

Surface water supplies are obtained from the City of Sweetwater. The City of Roby surface water supply is limited due to an expiring contract with the City of Sweetwater in 2023.

5B.11.1.2 Options Considered

Table 5B.11-2 lists the water management strategies, report section references discussing the strategy, total project cost, and unit costs that were considered for meeting the City of Roby’s shortages.

**Table 5B.11-2.
Water Management Strategies Considered for the City of Roby**

Option	Yield (acft/yr)	Approximate Cost	
		Total	Unit (\$/acft)
Seymour Aquifer development - Fisher Co.	(¹)	(¹)	(¹)
Seymour Aquifer Storage and Recovery Project (Section 5A.12)	11,100	\$31,895,000 ²	\$278
Voluntary Redistribution from Colorado River MWD	54	\$52,650/yr	\$975 ³
Extend existing contracts	54	\$35,100/yr	\$650 ³
No Action	-	\$2,292,000 ⁴	\$42,443 ⁴
¹ Potential option that may need further study. ² Cost does not include transmission to the City of Roby. ³ Estimated wholesale rate for treated water. ⁴ Economic impact of not meeting shortage (i.e., “no action” alternative) in 2030 as estimated by TWDB.			

5B.11.1.3 Water Supply Plan

Working within the planning criteria established by the Brazos G RWPG and TWDB, the following water supply plan is recommended to meet the projected 2030 shortage of the City of Roby:

- Extension of existing contracts with City of Sweetwater

5B.11.1.4 Costs

Costs of the Recommended Plan for the City of Roby.

Extension of existing contracts with City of Sweetwater:

- Cost Source: Estimated wholesale of \$650/acft for treated water
- Date to be Implemented: 2023 (when contract expires)
- Total Annual Cost: \$35,100

If a contract with City of Sweetwater cannot be negotiated, then City of Roby will need to consider their other supply options, including purchase of water from Colorado River MWD (if any is available), Seymour Aquifer groundwater, or Seymour Aquifer Storage and Recovery (ASR). The Seymour ASR is a possible joint project with City of Anson.

5B.11.2 City of Rotan

The City of Rotan is currently purchasing water under contract from the City of Snyder. However, contract terms are not available and supply is allocated based on projected demands.

5B.11.3 County-Other

The water supply entities for County-Other show a projected surplus and no changes in water supply are recommended.

5B.11.4 Manufacturing

The water supply entities for Manufacturing show a projected surplus and no changes in water supply are recommended.

5B.11.5 Steam-Electric

No Steam-Electric demand exists or is projected for the county.

5B.11.6 Mining

The water supply entities for Mining show a projected surplus and no changes in water supply are recommended.

5B.11.7 Irrigation

No shortages are projected for Fisher County Irrigation and no changes in water supply are recommended.

5B.11.8 Livestock

No shortages are projected for Fisher County Livestock and no changes in water supply are recommended.