

5.14 Haskell County Water Supply Plan

Table 5.14-1 lists each water user group in Haskell County and their corresponding surplus or shortage in years 2040 and 2070. A brief summary of the water user groups and the plan for the selected water user are presented in the following subsections.

Table 5.14-1. Haskell County Surplus/(Shortage)

Water User Group	Surplus/(Shortage)		Comment
	2040 (acft/yr)	2070 (acft/yr)	
City of Haskell	(468)	(499)	Projected shortage - see plan below.
City of Stamford			See Jones County
County-Other	19	1	Projected surplus
Manufacturing	—	—	No projected demand
Steam-Electric	—	—	No projected demand
Mining	(83)	(59)	Projected shortage - see plan below.
Irrigation	(14,462)	(15,835)	Projected shortage - see plan below.
Livestock	0	0	No projected surplus or shortage

5.14.1 City of Haskell

Description of Supply

Surface water supplies are obtained from a contract with North Central Texas Municipal Water Authority (NCTMWA). While the contract exceeds the City’s projected demands, the current supplies from the NCTMWA are not sufficient to meet demands through 2070.

Water Supply Plan

Working within the planning criteria established by the Brazos G RWPG and TWDB, the following water management strategy is recommended to meet the projected water shortage for the City of Haskell. Conservation was also considered; however, the entity’s usage is below the selected goal of 140 gpcd. Needs remain unmet in 2020. These needs will only occur during a drought equivalent or worse than the drought of record. While not a strategy recommended by the Brazos G RWPG, the impacts of the unmet needs can be mitigated through demand management in the event of a serious drought prior to the recommended strategies coming online.

- a. Lake Creek Reservoir. This strategy would be developed by NCTMWA to augment existing supplies.
 - Cost Source: Volume II
 - Project requires a subordination agreement with the BRA in order to develop sufficient supply
 - Date to be Implemented: before 2030

- Project Cost: none (cost would be borne by NCTMWA)
- Unit Cost: none (supply already purchased from NCTMWA)

Table 5.14-2. Recommended Plan Costs by Decade for City of Haskell

Plan Element	2020	2030	2040	2050	2060	2070
<i>Projected Surplus/(Shortage) (acft/yr)</i>	(477)	(473)	(468)	(471)	(483)	(499)
Conservation						
Supply From Plan Element (acft/yr)	—	—	—	—	—	—
Annual Cost (\$/yr)	—	—	—	—	—	—
<i>Projected Surplus/(Shortage) after Conservation (acft/yr)</i>	(477)	(473)	(468)	(471)	(483)	(499)
Lake Creek Reservoir						
Supply From Plan Element (acft/yr)	—	473	468	472	483	499
Annual Cost (\$/yr)	—	—	—	—	—	—
Unit Cost (\$/acft)	—	—	—	—	—	—

5.14.2 County-Other

Supplies for Haskell County other are obtained through groundwater production from the Seymour Aquifer and through contract supply purchases from the City of Stamford and NCTMWA. Although supplies from NCTMWA have been reduced due to projected availability of supplies, County-Other supplies are projected to be adequate to meet demands through 2070. No supply shortages are projected and no change in supply is recommended. Conservation was also considered; however, the entity’s usage is below the selected goal of 140 gpcd.

5.14.3 Manufacturing

No Manufacturing demand exists or is projected for the county.

5.14.4 Steam-Electric

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

5.14.5 Mining

Description of Supply

Mining operations in Haskell County are supplied solely through groundwater production from the Seymour Aquifer; however, this aquifer is projected to have zero supply availability through the planning period.



Recommended Strategy

Working within the planning criteria established by the Brazos G RWPG and TWDB, the following water management strategies are recommended to meet water needs for Haskell County-Mining. Conservation is recommended.

- a. Conservation
 - Cost Source: Volume II
 - Date to be Implemented: before 2030
 - Annual Cost: not determined
- b. Leave Needs Unmet:
 - Cost Source: Cost of not meeting needs – see appendix G
 - Date to be Implemented: before 2030

Table 5.14-3. Recommended Plan Costs by Decade for Haskell County – Mining

Plan Element	2020	2030	2040	2050	2060	2070
<i>Projected Surplus/(Shortage) (acft/yr)</i>	(93)	(92)	(83)	(74)	(66)	(59)
Conservation						
Supply From Plan Element (acft/yr)	3	5	6	5	5	4
Annual Cost (\$/yr)	ND	ND	ND	ND	ND	ND
<i>Projected Surplus/(Shortage) after Conservation (acft/yr)</i>	(90)	(87)	(77)	(69)	(61)	(55)
Leave Needs Unmet (acft/yr)	(90)	(87)	(77)	(69)	(61)	(55)

ND – Not determined. Costs to implement industrial conservation technologies will vary based on each location

5.14.6 Irrigation

Description of Supply

Haskell County Irrigation is supplied through groundwater production from the Seymour Aquifer; however, no available supply is projected for this aquifer through the planning period.

Recommended Strategy

Working within the planning criteria established by the Brazos G RWPG and TWDB, the following water management strategies are recommended to meet water needs for Haskell County-Irrigation. Conservation is recommended.

- a. Conservation
 - Cost Source: Volume II
 - Date to be Implemented: before 2030
 - Annual Cost: maximum of \$6,391,940

- Unit Cost: \$1,594/acft
- b. Leave Needs Unmet:
- Cost Source: Cost of not meeting needs – see appendix G
 - Date to be Implemented: before 2030

Table 5.14-4. Recommended Plan Costs by Decade for Haskell County – Irrigation

Plan Element	2020	2030	2040	2050	2060	2070
<i>Projected Surplus/(Shortage) (acft/yr)</i>	(16,679)	(16,793)	(14,462)	(14,742)	(15,721)	(15,835)
Conservation						
Supply From Plan Element (acft/yr)	1,747	2,912	3,922	3,933	4,010	4,010
Annual Cost (\$/yr)	\$2,784,718	\$4,641,728	\$6,251,668	\$6,269,202	\$6,391,940	\$6,391,940
<i>Projected Surplus/(Shortage) after Conservation (acft/yr)</i>	(14,932)	(13,881)	(10,540)	(10,809)	(11,711)	(11,825)
Leave Needs Unmet (acft/yr)	(14,932)	(13,881)	(10,540)	(10,809)	(11,711)	(11,825)

5.14.7 Livestock

Livestock water supply is projected to meet demands through 2070 and no changes in water supply are recommended.