

### 5B.12 Grimes County Water Supply Plan

Table 5B.12-1 lists each water user group in Grimes County and their corresponding surplus or shortage in years 2030 and 2050.

**Table 5B.12-1.  
Grimes County Surplus/(Shortage)**

<i>Water User Group</i>	<i>Surplus/(Shortage)<sup>1</sup></i>		<i>Comment</i>
	<i>2030 (acft/yr)</i>	<i>2050 (acft/yr)</i>	
City of Anderson	38	47	Projected Surplus
City of Navasota	585	543	Projected Surplus
County-Other	10,011	9,840	Projected Surplus
Manufacturing	949	857	Projected Surplus
Steam-ElectricElectric	0	0	No Shortage/No Surplus
Mining	57	64	Projected Surplus
Irrigation	2,035	2,035	Projected Surplus
Livestock	1,673	1,673	Projected Surplus

<sup>1</sup> From Tables 4-23 and 4-24, Section 4 – Comparison of Water Demands with Water Supplies to Determine Needs.

#### 5B.12.1 City of Anderson

The City of Anderson obtains its water supply from Anderson Water Supply, Inc. Anderson Water Supply, Inc. produces groundwater from the Carrizo-Wilcox Aquifer near the City of Anderson and delivers treated water to the City. The existing production capacity of the wells and groundwater availability is adequate to supply the needs of the City of Anderson through the year 2050. No change in water supply is recommended.

#### 5B.12.2 City of Navasota

The City of Navasota obtains its water supply from groundwater from the Carrizo-Wilcox Aquifer. The existing production capacity of the wells and groundwater availability is adequate to supply the needs of the City of Navasota through the year 2050. No change in water supply is recommended.

**5B.12.3 County-Other**

County-Other is projected to have a surplus of water through the year 2050 and no changes in water supply are recommended.

**5B.12.4 Manufacturing**

Manufacturing is projected to have a surplus of water through the year 2050 and no changes in water supply are recommended.

**5B.12.5 Steam-Electric**

Steam-Electric is projected to have a surplus of water through the year 2050. Steam-electric demand in Grimes County is associated with the Gibbons Creek Power Plant, owned and operated by the Texas Municipal Power Agency (TMPA), and the proposed Tenaska Frontier Generation Station by Tenaska, Inc. The Gibbons Creek Power Plant is supplied by Gibbons Creek Reservoir that impounds runoff from Gibbons Creek and from diversions authorized from the Navasota River. The TMPA also has contracted for water from the Brazos River Authority from Lake Limestone to meet the projected needs through the year 2050. The future Tenaska Frontier Generation Station's water supply is proposed to be from a contract with the City of Huntsville (Region H). No changes in water supply are recommended.

**5B.12.6 Mining**

Mining is projected to have a surplus of water through the year 2050 and no changes in water supply are recommended.

**5B.12.7 Irrigation**

Irrigation is projected to have a surplus of water through the year 2050 and no changes in water supply are recommended.

**5B.12.8 Livestock**

Livestock is projected to have a surplus of water through the year 2050 and no changes in water supply are recommended.