

### 4B.13 Wholesale Water Provider Water Supply Plans

Table 4B.13-1 lists each Wholesale Water Provider and their corresponding surplus or shortage in years 2030 and 2060. For each Wholesale Water Provider with a projected shortage, a water supply plan has been developed.

**Table 4B.13-1.  
Wholesale Water Provider Surplus/(Shortage)**

<b>Water User Group</b>	<b>Surplus/(Shortage)<sup>1</sup></b>		<b>Comment</b>
	<b>2030 (acft/yr)</b>	<b>2060 (acft/yr)</b>	
City of Corpus Christi	(570)	(39,505)	Projected shortage — see plan below
San Patricio MWD	3,278	(5,742)	Projected shortage — see plan below
South Texas Water Authority	0	0	Supply equals demand
Nueces County WCID #3	1,195	1,266	Projected surplus
<sup>1</sup> Surplus/(Shortage) for each Wholesale Water Provider calculated by taking total surface water availability less municipal retail and wholesale demands, and/or steam-electric demands, and/or manufacturing demands (Table 4A-23).			

#### 4B.13.1 City of Corpus Christi

As the primary provider of surface water to the Coastal Bend Region, the City of Corpus Christi is the major Wholesale Water Provider in the region. Corpus Christi has 200,000 acft in available safe yield supply in 2060 through its own water right in the CCR/LCC System and a contract with LNRA from Lake Texana. This availability constitutes 93 percent of the total surface water availability in the region. Additionally, the City has a permit to divert up to 35,000 acft/yr run-of-river water under its interbasin transfer permit on the Colorado River (via the Garwood Irrigation Co.). While the City owns the water right on the Colorado River, it does not have the facilities to divert and convey this water to the City; therefore, the 35,000 acft is not included in the existing surface water availability in the region.

The City provides treated and raw water from the CCR/LCC/Texana System to the water user groups and other entities shown in Table 4B.13-2.

**Table 4B.13-2.**  
**Purchasers of Water from the City of Corpus Christi**

<b>Water User Group / Entity</b>	<b>County</b>
San Patricio MWD	San Patricio
South Texas Water Authority	Kleberg, Nueces
City of Alice	Jim Wells
City of Beeville	Bee
City of Mathis	San Patricio
City of Three Rivers	Live Oak
Nueces County WCID #4	Nueces
Nueces County-Other	Nueces
Steam-Electric	Nueces
Manufacturing	Nueces
Mining	Nueces

A comparison of Corpus Christi's demand and supply is presented in Section 4A.5 and is an analysis of the City's retail municipal demands and supplies available to meet those demands. The shortage listed in Table 4B.13-1 reflects the entire City's demands—both municipal retail and wholesale, as well as steam-electric and manufacturing demands. The shortage begins in 2030 and is due to large manufacturing and mining demands in Nueces and San Patricio County. For a list of the water management strategies available to meet these shortages, refer to the water supply plan for manufacturing in Nueces and San Patricio Counties in Section 4B.11.11.

The City has surpluses of 32,099 acft/yr in 2010, 12,511 acft/yr in 2020, and 12,511 acft in 2030 (Table 4A-23). Part of the City of Corpus Christi's surplus has been reallocated to Nueces County-Other use (see Table 4B.11-3).

**Table 4B.13-3.**  
**Reallocation of Surplus Supplies by Decade for City of Corpus Christi**  
**(as Wholesale Water Provider)<sup>1</sup>**

<b>Plan Element</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
Original Projected Surplus (acft/yr)	32,099	—	—	—	—	—
Reallocated Surplus (acft/yr)	261 <sup>1</sup>	—	—	—	—	—
Remaining Projected Surplus (acft/yr)	31,838	—	—	—	—	—

<sup>1</sup> Reallocated to Nueces County-Other users (Section 4B.11)

#### **4B.13.2 San Patricio Municipal Water District**

The San Patricio Municipal Water District (SPMWD) is the second largest Wholesale Water Provider in the region. SPMWD has a contract with the City of Corpus Christi to purchase water from both the CCR/LCC System and Lake Texana. SPMWD treats this water and provides it to the water user groups and other entities shown in Table 4B.13-4.

**Table 4B.13-4.  
Purchasers of Water from San Patricio MWD**

<b>Water User Group / Entity</b>	<b>County</b>
City of Aransas Pass	Aransas, Nueces, San Patricio
City of Gregory	San Patricio
City of Ingleside	San Patricio
City of Ingleside on the Bay	San Patricio
City of Odem	San Patricio
City of Portland	San Patricio
City of Rockport	Aransas
City of Taft	San Patricio
Port Aransas	Nueces
County-Other	Aransas, San Patricio
City of Fulton	Aransas
Manufacturing	San Patricio

The shortage listed in Table 4B.13-1 reflects all of SPMWD's demands—both municipal retail and wholesale, as well as manufacturing demands. The shortage begins in 2050 and is due to large manufacturing demands in San Patricio County and Aransas County-Other demands. For the water management strategies available to meet these shortages, refer to the water supply plan for manufacturing in Nueces and San Patricio Counties in Section 4B.11.1 and 4B.12.12.

**4B.13.3 South Texas Water Authority**

The South Texas Water Authority (STWA) is the third largest Wholesale Water Provider in the region. STWA has a contract with the City of Corpus Christi to purchase treated water from both the CCR/LCC System and Lake Texana. STWA provides this water to the water user groups and other entities shown in Table 4B.13-5.

**Table 4B.13-5.  
Purchasers of Water from South Texas Water Authority**

<b>Water User Group / Entity</b>	<b>County</b>
City of Agua Dulce	Nueces
City of Driscoll	Nueces
City of Bishop	Nueces
Nueces County-Other <sup>1</sup>	Nueces
City of Kingsville	Kleberg
Ricardo WSC	Kleberg
<sup>1</sup> Includes Coastal Bend Youth City, Nueces County WCID #5, Nueces WSC, and other rural water users.	

There are no shortages listed in Table 4B.13-1 for South Texas Water Authority.

**4B.13.4 Nueces County WCID #3**

The Nueces County WCID #3 is the smallest Wholesale Water Provider in the region. Nueces County WCID #3 receives a firm yield of 3,665 acft/yr from its Nueces Basin run-of-river rights. Nueces County WCID #3 provides this water to the water user groups and other entities shown in Table 4B.13-6.

**Table 4B.13-6.  
Purchasers of Water from Nueces County WCID #3**

<b>Water User Group / Entity</b>	<b>County</b>
City of Robstown	Nueces
River Acres WSC	Nueces
Nueces County-Other	Nueces

After meeting customer demands, Nueces County WCID #3 shows surpluses of 1,109 acft in 2010 increasing to 1,266 acft by 2060. Part of the Nueces County WCID #3 surplus has been reallocated to River Acres WSC (Table 4B.13-7).

**Table 4B.13-7.**  
**Reallocation of Surplus Supplies by Decade for**  
**Nueces County WCID #3 (as Wholesale Water Provider)<sup>1</sup>**

<b>Plan Element</b>	<b>2010</b>	<b>2020</b>	<b>2030</b>	<b>2040</b>	<b>2050</b>	<b>2060</b>
Original Projected Surplus (acft/yr)	1,109	1,152	1,195	1,237	1,266	1,266
Reallocated Surplus (acft/yr)	138 <sup>1</sup>	255 <sup>1</sup>	355 <sup>1</sup>	445 <sup>1</sup>	522 <sup>1</sup>	590 <sup>1</sup>
Remaining Projected Surplus (acft/yr)	971	897	840	792	744	676
<sup>1</sup> Reallocated to River Acres WSC (Section 4B.11.8)						

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