

4C.30.4 Steam-Electric

4C.30.4.1 Description of Supply

Somervell County Steam-Electric obtains its water supply from Squaw Creek Reservoir and from the Brazos River Authority from Lake Granbury. Somervell County Steam-Electric is projected to have a shortage of 36,047 acft/yr in 2030 and 36,107 acft/yr in 2060.

4C.30.4.2 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 shortage of Somervell County Steam-Electric:

- Luminant Power Supply from the Brazos River Authority.

4C.30.4.3 Costs

Costs of the Recommended Plan for Somervell County Steam-Electric.

- Water Supply from the Luminant Power Supply from the Brazos River Authority:
 - Cost Source: Strategy Evaluation of Proposed Amendment
 - Date to be Implemented: By year 2020
 - Annual Cost: \$15,980,000 in 2030

**Table 4C.30-3A.
Recommended Plan Costs by Decade for Somervell County Steam-Electric**

<i>Plan Element</i>	<i>2010</i>	<i>2020</i>	<i>2030</i>	<i>2040</i>	<i>2050</i>	<i>2060</i>
Projected Surplus/(Shortage) (acft/yr)	25,610	(36,027)	(36,047)	(36,067)	(36,087)	(36,107)
Luminant Power Supply from the Brazos River Authority						
Supply From Plan Element (acft/yr)	0	103,717	103,717	103,717	103,717	103,717
Annual Cost (million \$/yr)	—	\$15.98	\$15.98	\$15.98	\$15.98	\$15.98
Unit Cost (\$/acft)	—	\$154	\$154	\$154	\$154	\$154