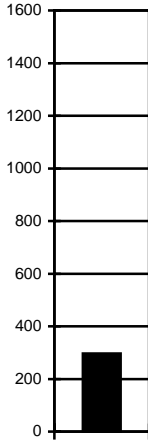
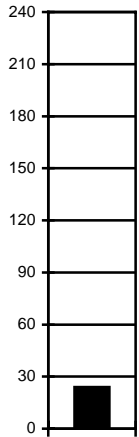


**SOUTH CENTRAL TEXAS REGION WATER SUPPLY OPTIONS  
OPTION DATA SHEET  
August 2000**

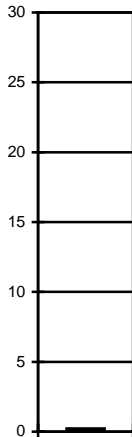
**Unit Cost  
(\$/acft)**



**Quantity  
(1000 acft)**



**Impact  
(1000 ac)**



**OPTION NUMBER: L-14**  
**OPTION NAME: Transfer of Reclaimed Water to Corpus Christi through Choke Canyon Reservoir**

**OPTION DESCRIPTION:** *Diversion of unappropriated streamflow and/or reclaimed water from the San Antonio River near Falls City and transferring it via pipeline to Choke Canyon Reservoir for water exchange under cooperative development of water supply with Corpus Christi (SCTN-14) or for mitigation of effects of aquifer recharge enhancement (L-17, L-18, and/or SCTN-7) on yield of CCR/LCC System. Costs are for increased firm yield in the CCR/LCC System and do not include treatment or distribution.*

**TIME NEEDED TO IMPLEMENT:**  1-5 yr.  5-15 yr.  > 15 yr.

***COST, QUANTITY OF WATER, AND LAND IMPACTED***

**UNIT COST OF WATER:** \$297 per acft<sup>1</sup> Raw Water  
**QUANTITY OF WATER:** 23,903 acft/yr<sup>2</sup>  
**LAND IMPACTED:** 240 acres<sup>3</sup>

***POSITION RELATIVE TO ALL OPTIONS***

**UNIT COST OF WATER:** of (1=lowest unit)  
**QUANTITY OF WATER:** of (1=highest volume)  
**LAND IMPACTED:** of (1=least acreage)

**FACTORS AFFECTING COST, QUANTITY, AND LAND IMPACTED**

<sup>1</sup>**COST:** Diversion structure in San Antonio River surface water intake and pump station, raw water pipeline and discharge structure in Choke Canyon Reservoir. \$297 represents the least cost per unit volume of raw water delivered to Choke Canyon Reservoir.

<sup>2</sup>**QUANTITY OF WATER:** Unappropriated streamflow and/or reclaimed water from San Antonio River near Falls City. 23,903 acft/yr represents the quantity associated with the diversion rate that yields the least cost per unit volume.

<sup>3</sup>**LAND IMPACTED:** Size of diversion and intake sites, pipeline right-of-ways, and size of outlet structure. 240 acres represents the land impacted by the project that yields the least cost per unit volume.

**ENVIRONMENTAL ISSUES:** Effects of reduced flows on the San Antonio River downstream of Falls City. Selection of facility sites and pipeline routes to minimize impacts on endemic species and cultural resources. Potential effects arising from mixing San Antonio River water with waters of the Nueces River Basin.

**SIGNIFICANT ISSUES AFFECTING FEASIBILITY:** Willingness of affected Nueces River Basin water suppliers to consider Edwards Aquifer recharge projects or development of cooperative water supply through diversion of San Antonio River flows into Choke Canyon Reservoir.

**ADDITIONAL FACTORS:** Public acceptance of diversion of San Antonio River flows, having high percentages of reclaimed water into Choke Canyon Reservoir, a raw water supply reservoir and recreation resource.

**OTHER WATER SUPPLY OPTIONS DIRECTLY AFFECTED:** L-11, L20, S-14D, S-15Da, S-15Db, S-15Dc, S-15Ea, S-15Eb, S-16C, SCTN-14b, SCTN-16a, SCTN-16b, and/or SCTN-16c.