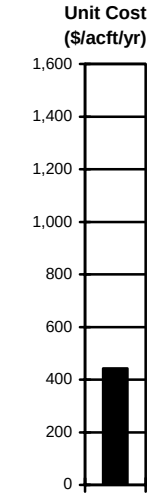
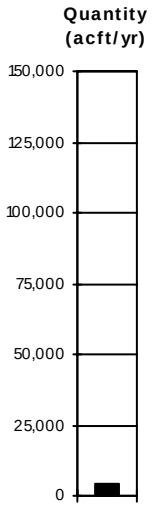
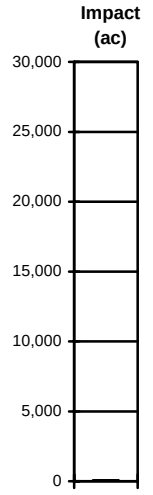
# *2006 South Central Texas Regional Water Plan*
# *Water Management Strategy Summary Sheet*




***Name:*** **Local Groundwater - Carrizo-Wilcox Aquifer**

***Description:*** Additional Carrizo-Wilcox wells and associated facilities to meet needs identified in Regional Plan, as well as treatment costs associated with chlorination and Iron and Manganese removal. Facilities vary with individual water provider. Assumption is made that new wells will connect directly into distribution system, and any piping needed to accomplish this will be accommodated in the 35% contingency costs included in cost estimates; therefore, no pipeline costs are included in estimates.

***Decade Needed*:** 2010 – 2060

### *Cost, Quantity of Water, and Land Impacted*

| | | | |
|---|---|---|---|
| **Unit Cost of Water:** | **114 - 443** | **$/acft/yr** | **Treated Water Delivered** |
| **Quantity of Water:** | **536-4,480** | **acft/yr** | **Reliability = Firm** |
| **Land Impacted:** | **minimal** | **acres** | |

### *Additional Considerations per Regional Water Planning Guidelines*

**Environmental Factors:** Minimal. Pipelines may traverse endangered or threatened species habitat. Groundwater pumpage could affect spring flows and stream flows in outcrop.

**Impacts on Water Resources:** Minimal, if any.

**Impacts on Agricultural & Natural Resources:** Not applicable.

**Other Relevant Factors per SCTRWPG:** Strategy is extension of methods in existence, and is based upon local experience to meet projected needs. Potential interactions between Bexar Met and SAWS facilities in south Bexar County.

**Comparison of Strategies to Meet Needs:** Low to Moderate Unit Costs in comparison to recommended strategies for other municipal users.

**Interbasin Transfer Issues:** Not applicable.

**Third-Party Impacts of Voluntary Transfers:** Not applicable.

**Regional Efficiency:** Through use of locally available sources, water needs are met at least cost, in comparison to costs of recommended strategies to meet needs of large urban communities of the region.

**Water Quality Considerations:** Carrizo-Wilcox water may contain high iron and manganese concentrations.