



# TEXAS WATER DEVELOPMENT BOARD



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**TO:** Board Members

**THROUGH:** Carolyn L. Brittin, Deputy Executive Administrator  
Water Resources Planning and Information

Dan Hardin, Director, Water Resources Planning  
Water Resources Planning and Information

**FROM:** Matt Nelson, Regional Water Planning  
Water Resources Planning and Information

**DATE:** May 13, 2009

**SUBJECT:** Consider Amending the 2007 State Water Plan to Incorporate Two Minor Amendments to the 2006 Brazos G (Region G) Regional Water Plan

## ACTION REQUESTED

Consider amending the 2007 State Water Plan to incorporate the City of Granbury and Waco Metropolitan Area Regional Sewer System member city minor amendments to the 2006 Brazos G Regional Water Plan.

## BACKGROUND

Agenda Item numbers 20 and 21 consider two minor amendments to the 2006 Brazos G Regional Water Plan to add one surface water supply water management strategy and three reuse water management strategies.

These water management strategies are now proposed for adoption as minor amendments to the 2007 State Water Plan. This action is necessary to complete the requirement that the board may provide financial assistance for the water supply project only if it addresses needs in a manner consistent with the applicable regional and state water plan [Tex. Water Code §16.053(j)].

The proposed amendment includes:

- a surface water supply water management strategy serving the City of Granbury utilizing water available from Lake Granbury; and,

### *Our Mission*

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- three reuse projects serving the cities of Bellmead, Lacy-Lakeview, Lorena, Hewitt, and Waco.

A third addendum to the 2007 State Water Plan (Attachment A) reflects changes that would result from approving incorporation of these two minor amendments.

### **KEY ISSUES**

The minor amendment provisions of 31 TAC §357.16(f) specifically allow the Board to amend the state water plan for an approved expedited (minor) amendment of a regional water plan.

The Region G Water Planning Group received no written or verbal public comments in opposition to the proposed water management strategies.

### **ANTICIPATED OPPOSITION**

None.

### **RECOMMENDATION**

Staff recommends amending the 2007 State Water Plan to incorporate the City of Granbury and Waco Metropolitan Area Regional Sewer System member city minor amendments to the 2006 Brazos G Regional Water Plan.

This recommendation has been reviewed by legal counsel and is in compliance with applicable statutes and Board rules.



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Ken Petersen  
General Counsel

Attachment A: Addendum #3 to the 2007 State Water Plan

DRAFT



**Water for Texas 2007: Addendum #3:**

The following changes have been made to the 2007 State Water Plan as a result of two minor amendments.

This addendum was approved by the Texas Water Development Board on May 21, 2009

**SUMMARY OF CHANGES:**

Changes to Appendix 2.1 of the 2007 State Water Plan: Recommended Water Management Strategies and Costs Estimates												
Change	Region	ID	Recommended Water Management Strategy	Total Capital Costs	First Decade Estimated Annual Average Unit Cost (\$/acre-foot/year)	Water Supply Volume (acre-feet per year)						Year 2060 Estimated Annual Average Unit Cost (\$/acre-foot/year)
						2010	2020	2030	2040	2050	2060	
ADDED	G	g.43	CITY OF GRANBURY SURFACE WATER TREATMENT PLANT	\$26,907,360	\$982	.	.	.	.	.	.	\$474
UPDATED	G	g.16	WASTEWATER REUSE	\$52,187,000	na	37,084	37,395	37,681	48,094	54,727	56,852	na

Notes: nc - No change  
na - Not applicable/available

### CHANGES TO VOLUME I: *Water for Texas 2007: Highlights of the 2007 State Water Plan*

TEXAS			
Vol I	Page 2 :	Paragraph 6 : change first sentence to:	The planning groups also estimated that the capital costs to design, construct, or implement the 4,500 water management strategies and projects would cost about <u>\$31.0</u> billion.
Vol I	Page 7 :	Paragraph 2 : change second sentence to:	Total capital costs, which primarily consist of up-front money needed to design, construct, or implement strategies, are about <u>\$31.0</u> billion.
Vol I	Page 8 :	Paragraph 4 : change first sentence to:	Capital costs for recommended water management strategies in the 2007 State Water Plan are about <u>\$31.0</u> billion.
Vol I	Page 8 :	Paragraph 4 : change second to last sentence to:	These surveys indicate nearly 91 percent of the <u>\$31.0</u> billion in total cost for implementing the 2007 State Water Plan is anticipated to be provided by local project sponsors through traditional financing mechanisms.

### CHANGES TO VOLUME II: *Water for Texas 2007*

Tables and Figures:											
				UNITS	DECADE						
					2010	2020	2030	2040	2050	2060	
Vol II	Page 271 :	Table 10.5	Estimated capital cost: reuse: Region G	Update to the following:	millions of dollars						\$167.72
Vol II	Page 271 :	Table 10.5	Estimated capital cost: reuse: Total	Update to the following:	millions of dollars						\$4,028.95
Vol II	Page 279 :	Table 11.1	Capital costs for municipal WMSs: Region G	Update to the following:	millions of dollars						\$1,205.30
Vol II	Page 279 :	Table 11.1	Capital costs for municipal WMSs: Region Total	Update to the following:	millions of dollars						\$29,450.05

TEXAS			
Vol II	Page 2 :	Paragraph 7 : change first sentence to:	The planning groups also estimated that the capital costs to design, construct, or implement the 4,500 water management strategies and projects would cost about <u>\$31.0</u> billion.
Vol II	Page 49 :	Plan Highlights : change first bullet to:	Total capital cost <u>\$1.4</u> billion
Vol II	Page 52 :	Paragraph 1 : change second sentence to:	In all, the strategies would provide <u>745,378</u> acre-feet of additional water supply by the year 2060 (Figure G.5) at a total capital cost of <u>\$1,348,497,894</u> (Appendix 2.1).