DRAFT
Summary of Proposed Amendment to the 2012 State Water Plan
(April 2014)

					Water Supply Volume (acre-feet per year)					
Change	**Description**	**Region**	**Recommended Water Management Strategy**	**Total Capital Costs**	**2010**	**2020**	**2030**	**2040**	**2050**	**2060**
Region H Minor Amendment	**Add water management strategy**	H	GCWA reclaimed water from City of Houston	$66,840,044	0	56,896	56,896	56,896	56,896	56,896
	Add water management strategy	H	City of Houston to GCWA contract	$0	0	56,896	56,896	56,896	56,896	56,896
	Revise water management strategy	H	Contract with GCWA	$366,687,081	0	57,031	111,409	115,012	117,483	122,109
Region H Major Amendment	**Revise water management strategy**	H	Dow off-channel reservoir	$226,837,000	0	80,000	80,000	80,000	80,000	80,000
	Revise water management strategy	H	Contract with Dow	$412,298,638	0	71,431	71,431	71,431	71,431	71,431
	Add water management strategy	H	Dow to Brazosport Water Authority Contract	$0	0	8,569	8,569	8,569	8,569	8,569
	Revise water management strategy	H	Contract with Brazosport Water Authority	$17,773,182	0	8,685	8,693	10,126	11,752	14,004
Region C plan as revised by January 8, 2015 Board order relating to the resolution of an interregional conflict.										
Region D plan as revised by January 8, 2015 Board order relating to the resolution of an interregional conflict.										

Texas Water Development Board

Water for Texas 2012: Amendment #3:

The following changes are proposed to be made to the 2012 State Water Plan as a result of major and minor amendments to the Region H 2011 Regional Water Plan. This amendment will be considered by the Texas Water Development Board on April 29, 2015.

SUMMARY OF CHANGES:

Changes to Appendix A.2 of the 2012 State Water Plan: Recommended Water Management Strategies and Costs Estimates

Change	Region	Recommended Water Management Strategy	Total Capital Costs	First Decade Estimated Annual Average Unit Cost ($/acre-foot/year)	Water Supply Volume (acre-feet per year)						Estimated Annual Average Unit Cost ($/acre-foot/year)
					2010	2020	2030	2040	2050	2060	
ADDED	**H**	GCWA RECLAIMED WATER FROM CITY OF HOUSTON	$66,840,044	$139	0	56,896	56,896	56,896	56,896	56,896	$41
ADDED	**H**	CITY OF HOUSTON TO GCWA CONTRACT	$0	NA	0	56,896	56,896	56,896	56,896	56,896	NA
REVISED	**H**	CONTRACT WITH GCWA	$366,687,081	NA	0	57,031	111,409	115,012	117,483	122,109	NA
REVISED	**H**	DOW OFF-CHANNEL RESERVOIR	$226,837,000	$256	0	80,000	80,000	80,000	80,000	80,000	$180
REVISED	**H**	CONTRACT WITH DOW	$412,298,638	$745	0	71,431	71,431	71,431	71,431	71,431	$646
ADDED	**H**	DOW TO BRAZOSPORT WATER AUTHORITY CONTRACT	$0	NA	0	8,569	8,569	8,569	8,569	8,569	NA
REVISED	**H**	CONTRACT WITH BRAZOSPORT WATER AUTHORITY	$17,773,182	NA	0	8,685	8,693	10,126	11,752	14,004	NA

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CHANGES TO *WATER FOR TEXAS 2012 STATE WATER PLAN*

Text:

Page	4	Paragraph 4	: Change second sentence to:	These strategies included 569 unique water supply projects designed to meet needs for additional water supplies for Texas during drought (this figure is lower than presented in previous plans because it does not separately count each entity participating in a given project.)
Page	4	Paragraph 5	: Change first sentence to:	The strategies recommended by regional water planning groups would provide, if implemented, 9.2 million acre-feet per year in additional water supplies by 2060 (Figure ES.4).
Page	5	Paragraph 1	: Change first sentence to:	About 34 percent of the volume of these strategies would come from conservation and reuse, about 17 percent from new major reservoirs, and about 33 percent from other surface water supplies.
Page	5	Paragraph 4	: Change first sentence to:	The estimated total capital cost of the 2012 State Water Plan, representing the capital costs of all water management strategies recommended in the 2011 regional water plans, is $55 billion.
Page	74	Paragraph 2	: Change second bullet to:	Recommended water management strategy volume in 2060 - 1,562,516 acre-feet per year
Page	74	Paragraph 2	: Change third bullet to:	Total capital cost - $12.7 billion
Page	74	Paragraph 2	: Change sixth bullet to:	Reuse accounts for 18 percent of 2060 strategy volumes
Page	76	Paragraph 4	: Change first sentence to:	The Region H Planning Group's recommended water management strategies would provide 1,562,516 acre-feet of additional water supply to meet all projected needs by the year 2060 (Figures H.3 and H.4) at a total capital cos of $12.7 billion (Appendix A).
Page	78	Paragraph 2	: Change fourth bullet to:	Four off-channel reservoirs in Brazoria and Fort Bend Counties would collectively provide up to 189,443 acre-feet per year of water in 2060 with a total capital cost of $800.7 million.
Page	187	Paragraph 1	: Change first sentence to:	The regional planning groups recommended 569 unique water projects designed to meet needs for additional water supplies for Texas during drought, resulting in a total, if implemented, of 9.2 million acre-feet per year in additional water supplies by 2060.
Page	189	Paragraph 4	: Change paragraph to:	To meet the needs for water during a repeat of the drought of record, regional water planning groups evaluated an recommended water management strategies that would account for an additional 9.2 million acre-feet per year of water by 2060 if all are implemented (Tables 7.1 and 7.2). These strategies included 569 unique water supply projects designed to meet needs for additional water supplies for Texas during drought (this figure is lower than presented in previous plans because it does not separately count each entity participating in a given project.)
Page	190	Paragraph 3	: Change third sentence to:	Surface water management strategies recommended by the regional planning groups total in excess of 4.6 million acre-feet per year by 2060.
Page	190	Paragraph 4	: Change third sentence to:	These new reservoirs would produce 1.6 million acre-feet per year in 2060 if all are built, representing 16.9 percent of the total volume of all recommended strategies for 2060 combined (Figure 7.2).
Page	196	Paragraph 7	: Change first sentence to:	Desalination, the process of removing salt from seawater or brackish water, is expected to produce nearly 440,918 acre-feet potable water by 2060.
Page	198	Paragraph 1	: Change first sentence to:	As discussed further in Chapter 9 (Financing Needs), the total capital costs of the 2012 State Water Plan - representing all of the water management strategies recommended by the regional water planning groups - is $55 billion.

Note : No further corrections to Chapter 9 are captured since the chapter speaks to financing needs at the time the 2012 State Water Plan was initially published.

Texas Water Development Board

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CHANGES TO *WATER FOR TEXAS 2012 STATE WATER PLAN*

Tables and Figures:

					DECADE						TOTAL
			UNITS	2010	2020	2030	2040	2050	2060	
Page 5 : Figure ES.4. :	Water Supplies from Water Management Strategies in the State Water Plan (AFY)	Update to the following:	acre-feet per year	2,049,353	4,672,376	6,021,115	6,707,751	8,098,626	9,194,175	
Page 7 : Figure ES.6. :	Total Capital Costs for Water supplies, Water Treatment and Distribution, Wastewater Treatment and Collection, and Flood Control (Billions of Dollars)	Update to the following:	billions of dollars	Capital costs of water management strategies recommended in 2012 State Water Plan $55.4						
Page 7 : Figure ES.6. :	Total Capital Costs for Water supplies, Water Treatment and Distribution, Wastewater Treatment and Collection, and Flood Control (Billions of Dollars)	Update to the following:	billions of dollars	Total capital costs: $233B						
Page 79 : Figure H.3 :	Recommended Water Management Strategy Water Supply Volumes for 2010-2060 (AFY)	Update to the following:	new major reservoir	0	149,509	187,845	221,471	234,566	305,796	
Page 79 : Figure H.4 :	2060 Recommended Water Management Strategies - Relative Share of Supply.	Update to the following:	percent	Municipal Conservation 6.8%; Irrigation Conservation 5.0%; New Major Reservoir 19.6%; Other Surface Water 37.1%; Groundwater 10.8%; Reuse 18.1%						
Page 188 : Table 7.1. :	Recommended Water Management Strategy Supply Volumes by Region (AFY)	Update to the following:	Region H acre-feet per year	378,759	683,762	925,316	1,101,840	1,263,346	1,562,516	
			Total acre-feet per year	2,049,353	4,672,376	6,021,115	6,707,751	8,098,626	9,194,175	
Page 189 : Table 7.2. :	Recommended Water Management Strategy Supply Volumes by Type of Strategy (AFY)	Update to the following:	New major reservoir	19,672	490,491	976,591	1,006,555	1,288,773	1,557,871	
			Total Supply Volume acre-feet per year	2,049,353	4,672,376	6,021,115	6,707,751	8,098,626	9,194,175	
Page 191 : Figure 7.2. :	Relative Volumes of Recommended Water Management Strategies in 2060.	Update to the following:	percent	Groundwater 8.8%; Municipal Conservation 7.1%; Groundwater Desalination 2.0%; Conjunctive Use 1.5%; Seawater Desalination 2.8%; Aquifer Storage and Recovery 0.9%; Other Conservation 0.3%; Brush Control 0.2%; Weather Modification 0.2%; Surface Water Desalination <0.1%; Other Surface Water 33.4%; Irrigation Conservation 16.5%; New Major Reservoir 17.1%; Reuse 10.0%						
Page 195 : Table 7.5. :	Recommended Water Management Strategy Capital Costs by Region (Millions of Dollars)	Update to the following:	Region H Millions of Dollars	$4,710	$5,646	$287	$1,135	$458	$506	$12,742
			Total Millions of Dollars	$22,097	$16,804	$7,592	$3,127	$1,094	$4,702	$55,416
Page 195 : Figure 7.4. :	Existing Supplies and Recommended Water Management Strategy Supplies by Region (AFY)	Update to the following:	Region H acre-feet per year	Water Management Strategy Supplies 1,562,516						
Page 197 : Figure 7.5. :	Water Needs, Needs Met by Plans, and Strategy Supply by Region (AFY)	Update to the following:	Region H acre-feet per year	Water Management Strategy Supplies 1,562,516						

Note : No further corrections to Chapter 9 are captured since the chapter speaks to financing needs at the time the 2012 State Water Plan was initially published.