



Water for Texas 2012: Amendment #1:

The following changes were made to the 2012 State Water Plan on November 20, 2014 as a result of Board approval of a minor amendment in Region N.

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	N	SEAWATER DESALINATION	\$260,914,000	\$1,696	-	28,000	28,000	28,000	28,000	28,000	\$884

Changes to Appendix A.3 of the 2012 State Water Plan: Alternative 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	
DELETED	N	DESALINATION	\$260,914,000	\$1,696	-	-	-	28,000	28,000	28,000	\$1,696



Water for Texas 2012: Amendment #1:

ThY Zc`ck]b[`WU b[Ygk YfY`a UXY`hc`h`Y`&\$%& GHU`K UHf`D`U b`cb`Bcj Ya Wf`&\$z`&\$%(`Ug`U`fYg` `hcZ`6cUfX`Uddfj U`cZU`a]bcf`Ua YbXa Ybh]b`FY[]cb`B`

CHANGES TO WATER FOR TEXAS 2012 STATE WATER PLAN

Text:	
Page 4 : Paragraph 4 : Change second sentence to:	These strategies included <u>563</u> 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 110 : Paragraph 2 : Change second bullet to:	Recommended water management strategy volume in 2060 - <u>184,326</u> acre-feet per year
Page 110 : Paragraph 2 : Change third bullet to:	Total capital cost - <u>\$917</u> million
Page 110 : Paragraph 2 : Change fourth bullet to:	Conservation accounts for <u>4</u> percent of 2060 strategy volumes
Page 112 : Paragraph 4 : Change first sentence to:	The Coastal Bend Regional Water Planning Group recommended a variety of water management strategies to meet future needs including two proposed off-channel reservoirs, groundwater development, interbasin transfers of surface water from the Colorado River Basin, <u>seawater desalination</u> , and conservation.
Page 112 : Paragraph 4 : Change second sentence to:	Implementing all recommended strategies in the Coastal Bend plan would result in <u>184,326</u> acre-feet of additional water supplies in 2060 (Figures N.3 and N.4) at a total capital cost of <u>\$917</u> million (Appendix A).
Page 114 : Paragraph 1 : Change first sentence to:	Conservation strategies represent approximately <u>4</u> percent
Page 114 : Paragraph 2 : Change fourth bullet to:	<u>Seawater desalination would provide 28,000 acre-feet per year of water starting in 2020 with a capital cost of \$261 million.</u>
Page 187 : Paragraph 1 : Change first sentence to:	The regional planning groups recommended <u>563</u> unique water projects designed to meet needs for additional water supplies for Texas during drought, resulting in a total, if implemented, of 9.0 million acre-feet per year in additional water supplies by 2060.
Page 189 : Paragraph 4 : Change second sentence to:	These strategies included <u>563</u> 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 196 : Paragraph 7 : Change first sentence to:	Desalination, the process of removing salt from seawater or brackish water, is expected to produce nearly <u>338,000</u> acre-feet potable water by 2060.
Page 211 : Paragraph 1 : Change third sentence to:	This amount is about 23 percent of the <u>\$232</u> billion in the total costs for water supplies, water treatment and distribution, wastewater treatment and collection, and flood control required for the state of Texas in the next 50 years.
Page 214 : Paragraph 5 : Change first sentence to:	Current TWDB estimates indicate that Texas will need to invest about <u>\$232</u> billion by 2060 to meet the state's needs for water supply, water and wastewater infrastructure, and flood control.



Water for Texas 2012: Amendment #1:

The following changes were made to the 2012 State Water Plan on November 20, 2014 as a result of Board approval of a minor amendment in Region N.

CHANGES TO WATER FOR TEXAS 2012 STATE WATER PLAN

Tables and Figures:

	UNITS	DECADE						TOTAL
		2010	2020	2030	2040	2050	2060	
Page 5 : Figure ES.4. : Water Plan (AFY)	acre-feet per year	2,049,353	4,511,040	5,859,779	6,546,415	7,937,290	9,032,839	
Page 7 : Figure ES.6. : Control (Billions of Dollars)	billions of dollars	Capital costs of water management strategies recommended in 2012 State Water Plan \$53.4						
Page 8 : Figure ES.6. : Control (Billions of Dollars)	billions of dollars	Total capital costs: \$232B						
Page 115 : Figure N.3. : for 2010-2060 (AFY)	seawater desalination	0	28,000	28,000	28,000	28,000	28,000	
Page 115 : Figure N.4. : Supply.	percent	Groundwater 17.1%; Reuse 0.1%; Municipal Conservation 1.3%; Irrigation Conservation 0.2%; Other Conservation 2.4%; New Major Reservoir 25.3%; Other Surface Water 38.4%; Seawater Desalination 15.2%						
Page 188 : Table 7.1. : Region (AFY)	Region N acre-feet per year	46,954	109,020	158,539	158,017	161,430	184,326	
	Total acre-feet per year	2,049,353	4,511,040	5,859,799	6,546,415	7,937,290	9,032,839	
Page 189 : Table 7.2. : Type of Strategy (AFY)	Desalination acre-feet per year	125	28,125	28,143	34,049	68,021	153,514	
	Total Supply Volume acre-feet per year	2,049,353	4,511,040	5,859,779	6,546,415	7,937,290	9,032,839	
Page 191 : Figure 7.2. : 2060.	percent	Groundwater 8.9%; Municipal Conservation 7.2%; Groundwater Desalination 2.0%; Conjunctive Use 1.5%; Seawater Desalination 1.7%; 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 33.8%; Irrigation Conservation 16.7%; New Major Reservoir 16.6%; Reuse 10.1%						
Page 195 : Table 7.5. : (Millions of Dollars)	Region N Millions of Dollars	\$45	\$374	\$360	\$0	\$0	\$139	\$918
	Total Millions of Dollars	\$22,097	\$14,798	\$7,592	\$3,127	\$1,095	\$4,702	\$53,411
Page 195 : Figure 7.4. : Supplies by Region (AFY)	Region N acre-feet per year	Water Management Strategy Supplies 184,326						
Page 197 : Figure 7.5. : (AFY)	Region N acre-feet per year	Water Management Strategy Supplies 184,326						
Page 213 : Figure 9.1. : by Water Use Category (Billions of Dollars)	billions of dollars	Manufacturing: \$3.7						
Page 215 : Figure 9.2. : Control (Billions of Dollars)	billions of dollars	Capital costs of water management strategies recommended in 2012 State Water Plan \$53.4						
	billions of dollars	Total capital costs: \$232 billion						
Page 216 : Table 9.1. : Reported Financial Assistance Needed	Region N acre-feet per year	Water Management Strategy Supplies 184,326						
	Region N Millions of Dollars	Water Management Strategy Capital Costs \$917						