

Aquifer Storage and Recovery: Its State in the State

*Groundwater Protection Council
Annual Forum*

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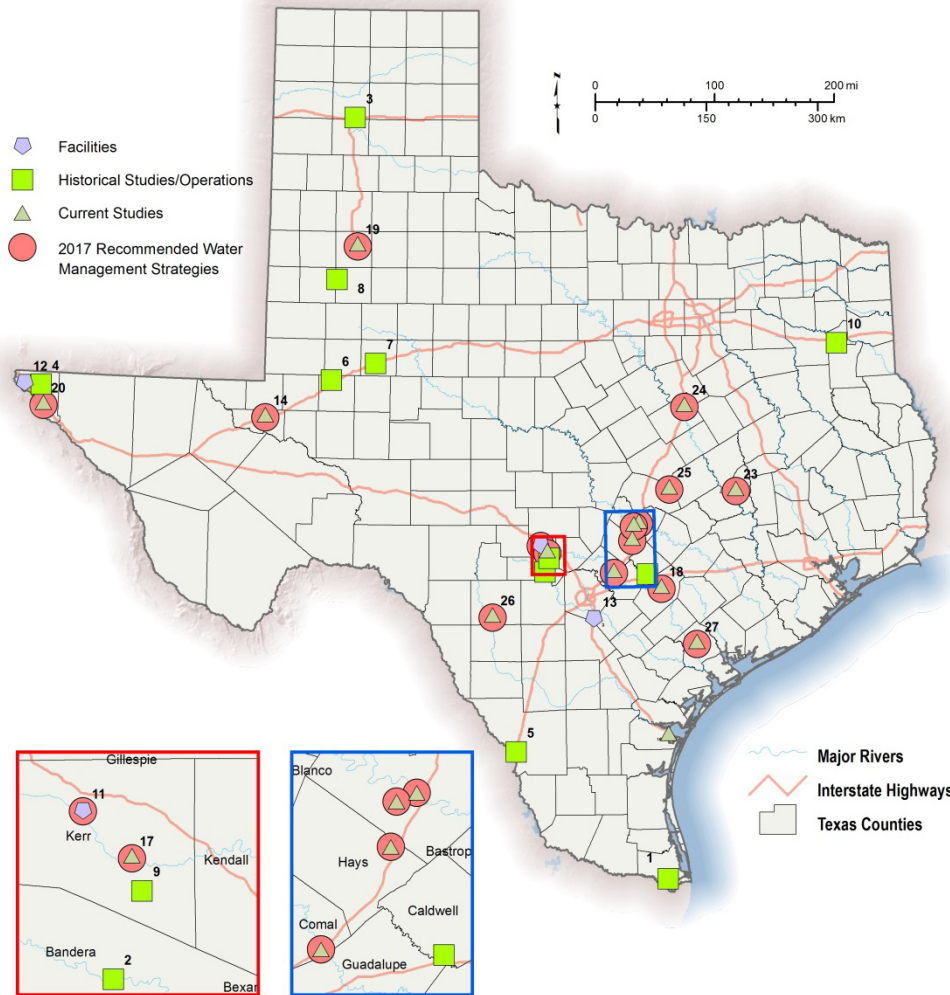
Texas Water 
Development Board

The logo for the Texas Water Development Board features the text "Texas Water" in a blue serif font and "Development Board" in a black sans-serif font. To the right of the text is a stylized graphic of three curved, overlapping lines representing water or waves.

Texas Water Development Board

The following presentation is based upon professional research and analysis within the scope of the Texas Water Development Board's statutory responsibilities and priorities but, unless specifically noted, does not necessarily reflect official Board positions or decisions.

ASR Activities in Texas



ID number	Location name (TWDB contract or project number)	Regional water planning area
Historical Activity		
1	Brownsville Public Utilities Board	M
2	Bandera County	J
3	City of Amarillo	A
4	City of El Paso	E
5	City of Laredo	M
6	City of Midland	F
7	Colorado River Municipal Water District	F
8	High Plains	O
9	Kerr County	J
10	Sabine River Authority	D
Facilities		
11	City of Kerrville (91483788)	J
12	El Paso Water Utilities	E
13	San Antonio Water System (97483215)	L
Recommended Water Management Strategies		
14	ASR of existing surface water supplies in Ward County well field - CRMWD	F
15	City of Austin - aquifer storage and recovery	K
11	City of Kerrville (91483788)	J
16	Edwards / Middle Trinity ASR	K/L
17	EKC/UGRA - ASR facility	J
18	GBRA - MBWSP - surface water w/ ASR (option 3c)	K/L
19	Lubbock County - Lubbock CRMWA aquifer storage and	O
20	LVWD - wastewater treatment facility and ASR	E
21	New Braunfels Utility - ASR	L
22	Saline Edwards ASR, Saline Edwards ASR (saline)	K
23	Simsboro - Brazos County ASR	G
24	Trinity - McLennan County ASR	G
25	Trinity - Williamson County ASR	G
26	Uvalde ASR	L
27	Victoria ASR	L
Other Studies		
28	City of Corpus Christi (1600011956)	N
29	Luling Water Treatment Plant (21698)	L

Source: Compiled from various sources.

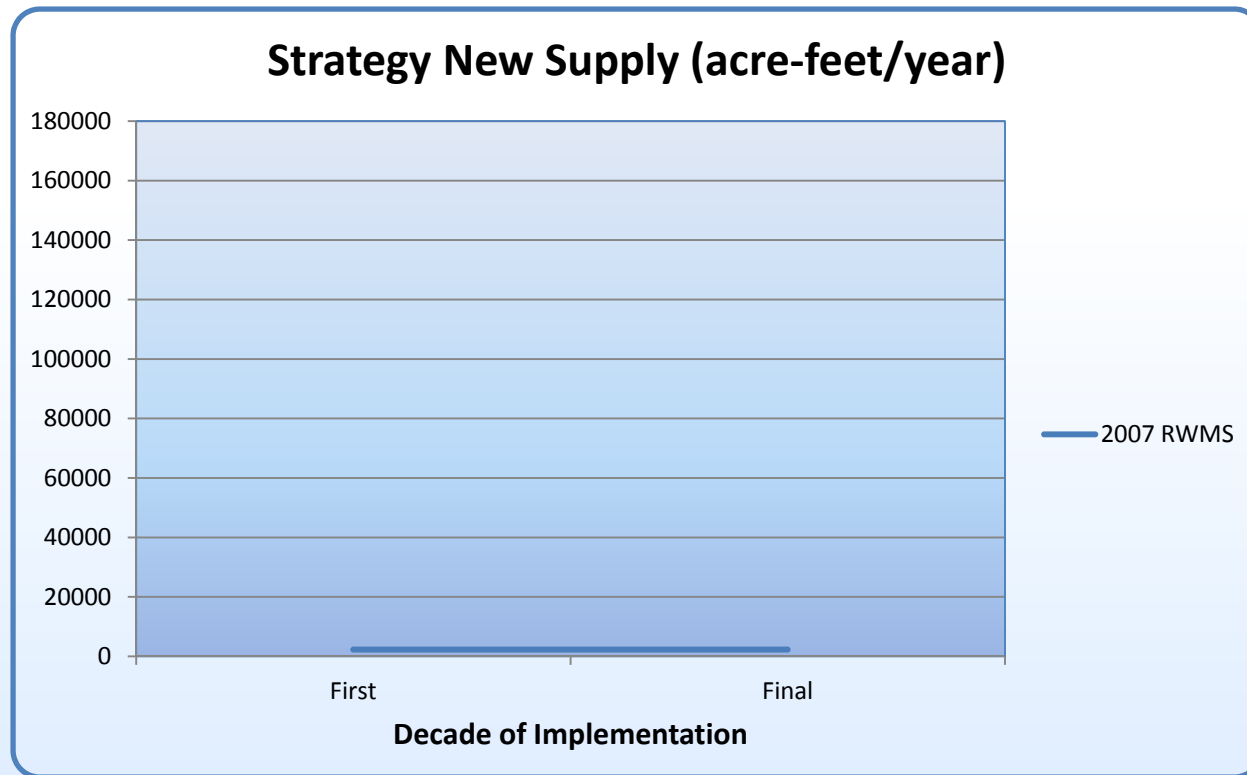
Notes:

ASR = Aquifer Storage and Recovery
 CRMWA = Canadian River Municipal Water Authority
 CRMWD = Colorado River Municipal Water District
 EKC = Eastern Kerr County

GBRA = Guadalupe-Blanco River Authority
 LVWD = Lower Valley Water District
 MBWSP = Mid-Basin Water Supply Project
 UGRA = Upper Guadalupe River Authority

Recommended Strategies*

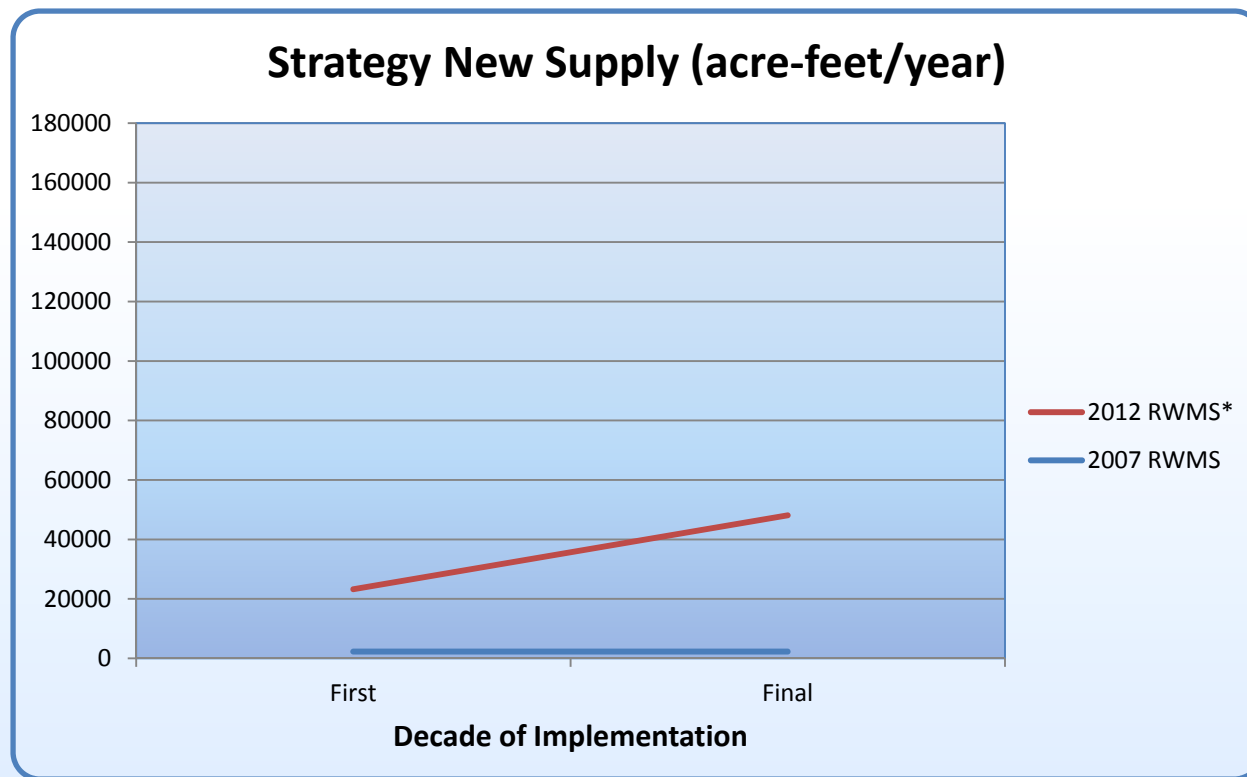
- 2007 State Water Plan - ASR projects in one planning region as a Recommended Water Management Strategy (RWMS)
 - 2,240 ac-ft first decade of use; 2,240 ac-ft fifth decade



* Excludes infiltration basin projects

Growth in Interest*

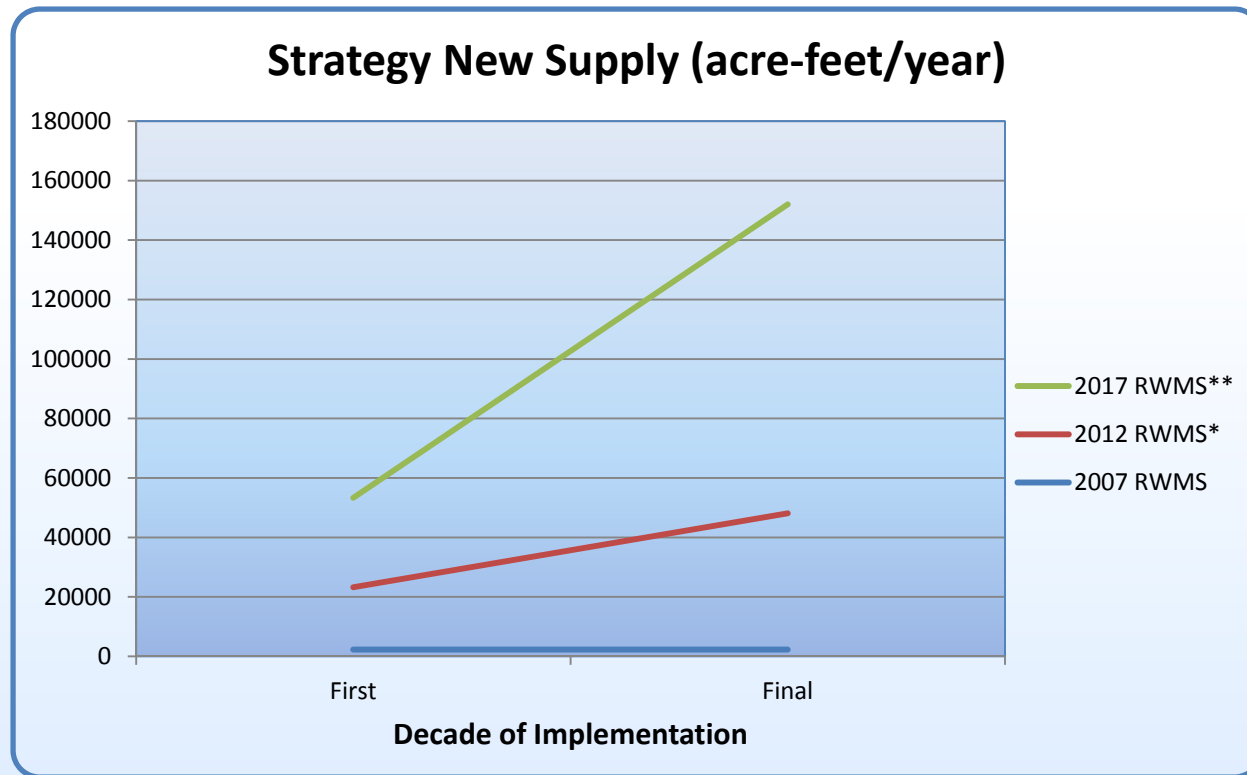
- 2012 State Water Plan – ASR projects in six planning regions as a RWMS
 - 23,260 ac-ft first decade of use; 48,084 ac-ft fifth decade



* Excludes infiltration basin projects

Growth in Interest

- 2017 State Water Plan Recommended ASR strategies in seven regions
 - 53,341 ac-ft decade 2020; 152,000 ac-ft decade 2070
 - Triple the final decade volume from the 2012 SWP



* Excludes infiltration basin projects

** Included only supply allocated to a water user group



Demonstration Project Funding

- 84th Texas Legislature, House Bill 1, Rider 25
 - \$1,000,000 from General Revenue Fund
 - For innovative storage approaches, including but not exclusively, ASR
 - One-for-one matching grant funds
 - Competitive grant application process
 - Request for application notice – September 22, 2015
 - Application deadline – November 3, 2015
 - Grant approval – January 7, 2016

Application Summary

- Six applications received
 - Four ASR field studies
 - One ASR desktop/planning study
 - One enhanced recharge field study
- Three grants awarded

Recipient	Funding		
	Total	Requested	Awarded
Edwards Aquifer Authority	\$563,000	\$281,500	\$281,500
Victoria County Groundwater Conservation District	\$570,226	\$285,112	\$285,112
Corpus Christi Aquifer Storage and Recovery Conservation District	\$1,000,000	\$500,000	\$433,388

- City of Bryan moving forward with Class V request

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