Desalination in Texas

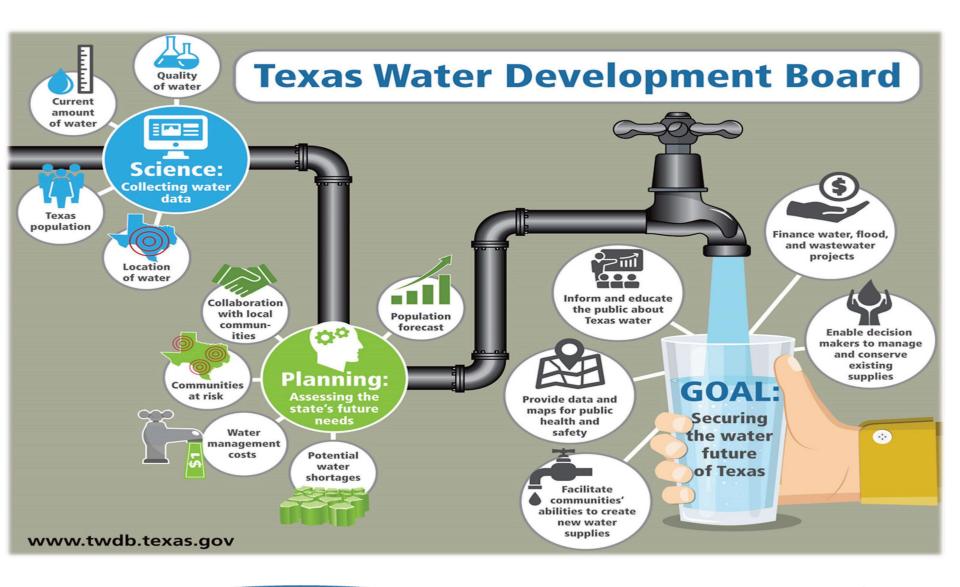
Erika Mancha

Desalination Technology for Coastal Resilience – Perspectives from the Texas Coastal Bend Region for a Path Towards Implementation January 2023

Unless specifically noted, this presentation does not necessarily reflect official Board positions or decisions.





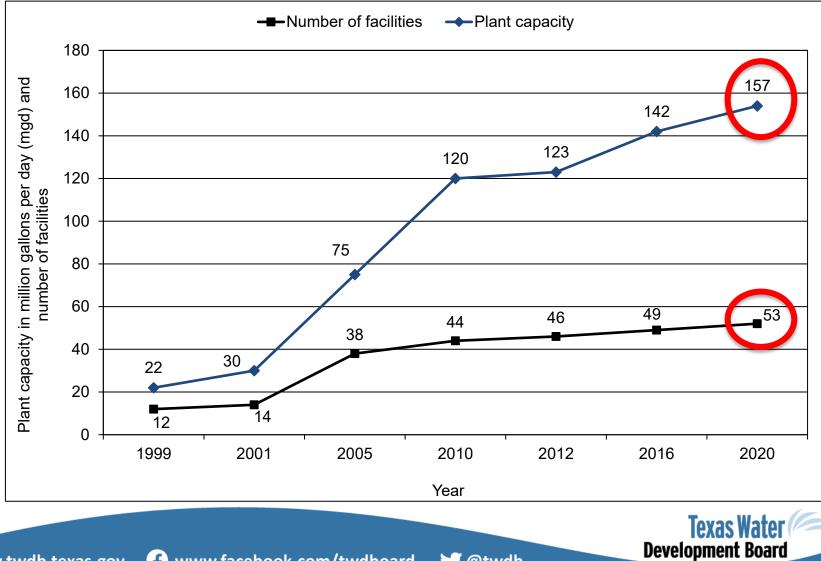


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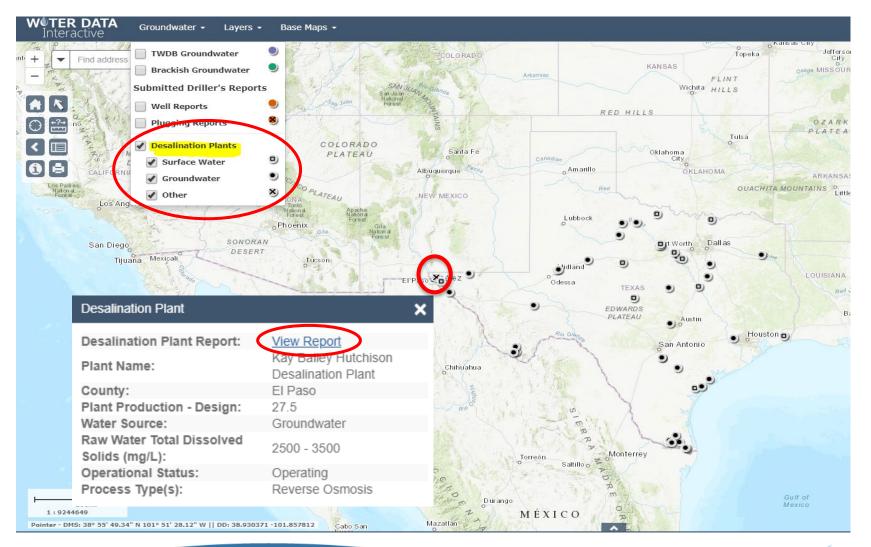
Existing desalination growth in Texas



• www.facebook.com/twdboard

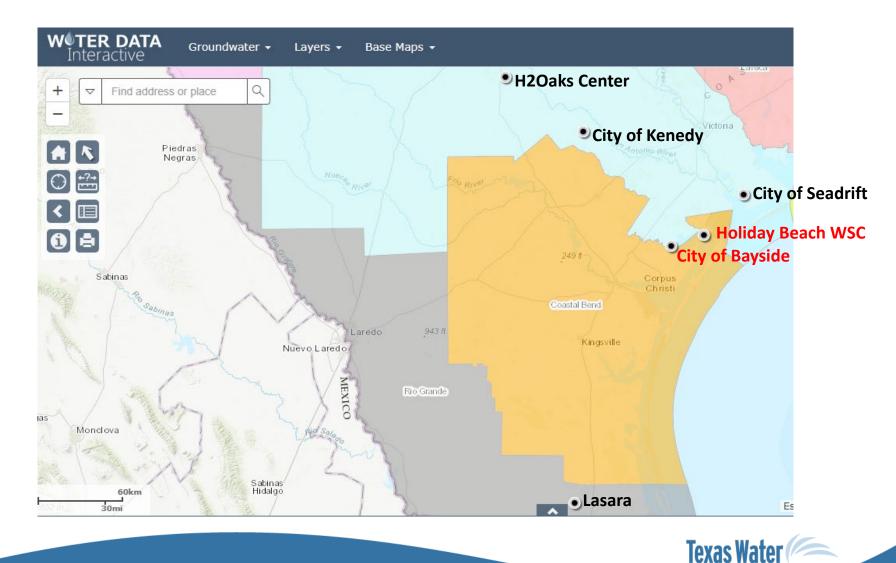


Desalination Plant Database





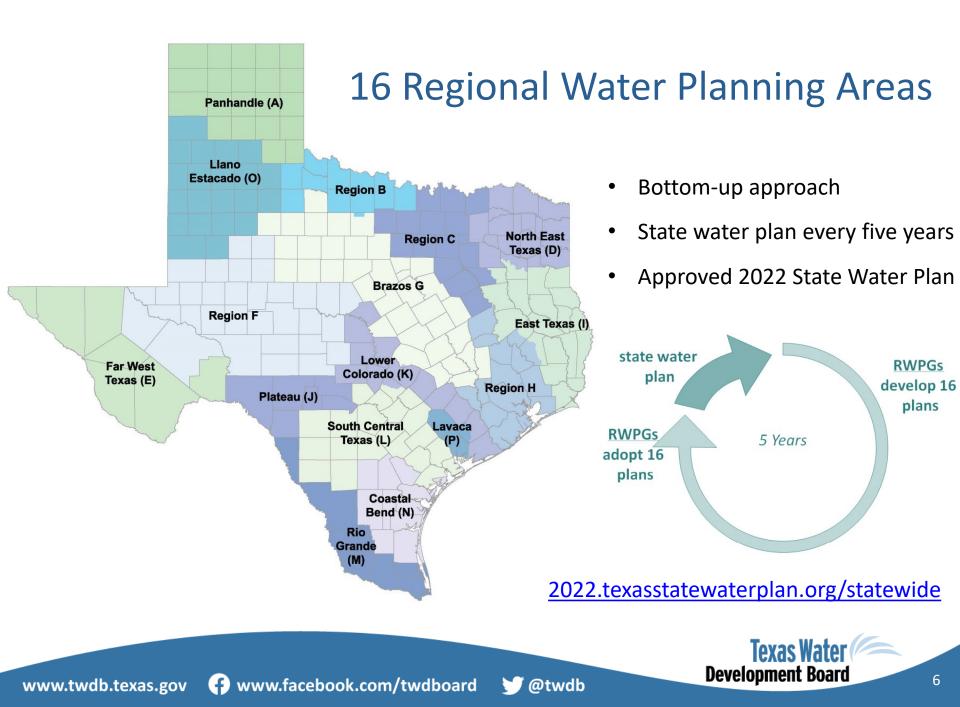
Existing desalination in Coastal Bend



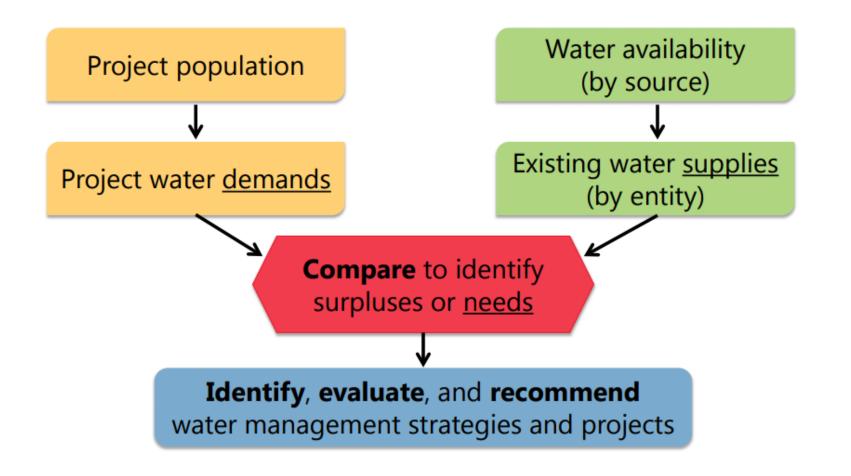
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Development Board



Water Planning Basics



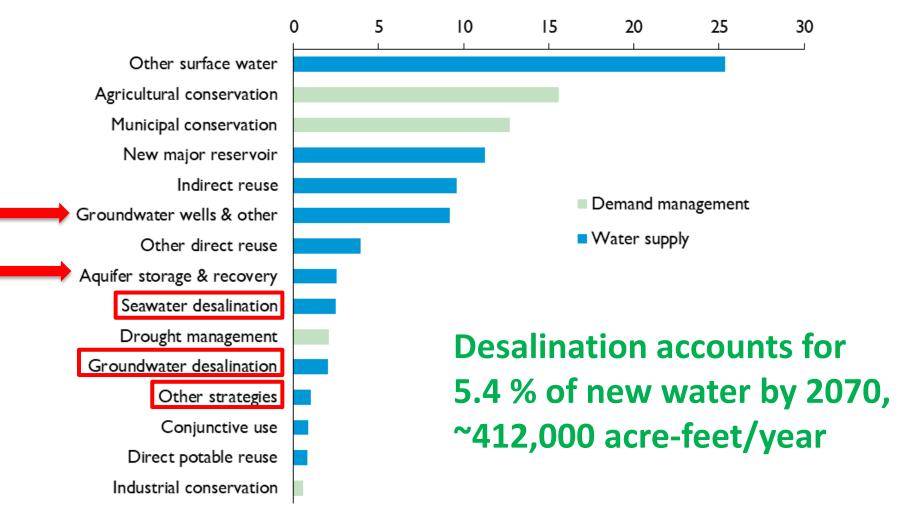


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Recommended Water Management Strategies by 2070 in 2022 State Water Plan



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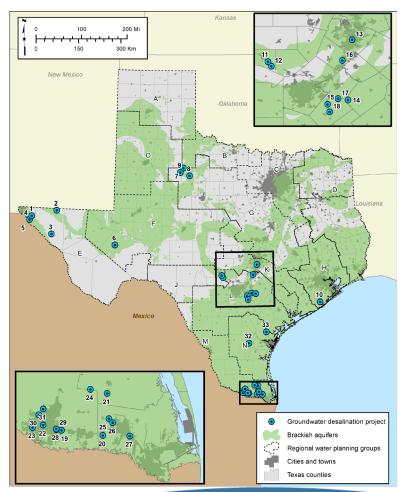


Future seawater desalination

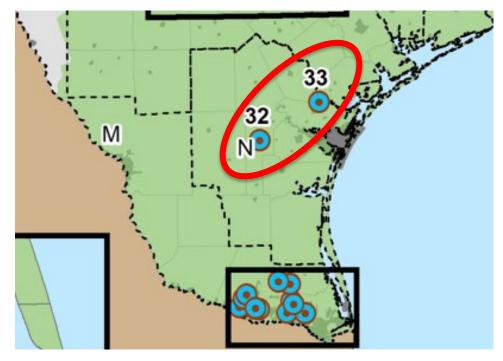
	P *	K	H			
	ID	Region	Project sponsor	Project name	Online decade	Capital cost
	1	Н	DOW Inc.	Freeport seawater desalination	2040	\$155,877,822
	2	м	Laguna Madre Water District	Laguna Madre seawater desalination plant	2050	\$40,290,000
and the second and the second se	3	N	Corpus Christi	Seawater desalination (Inner Harbor)	2030	\$236,693,000
	4	N	Corpus Christi	Seawater desalination (La Quinta)	2030	\$420,372,000
	5	N	Port Of Corpus Christi Authority	Seawater Desalination - Harbor Island	2030	\$802,807,000
	6	N	Port Of Corpus Christi Authority	Seawater Desalination - La Quinta Channel	2030	\$457,732,000
	7	N	Poseidon Water	Poseidon Regional Seawater Desalination Project at Ingleside	2030	\$724,984,000
			Seawater desalination project Regional water planning groups Cities and towns Texas counties 0 25 50 Mi 4 -			



Future groundwater desalination

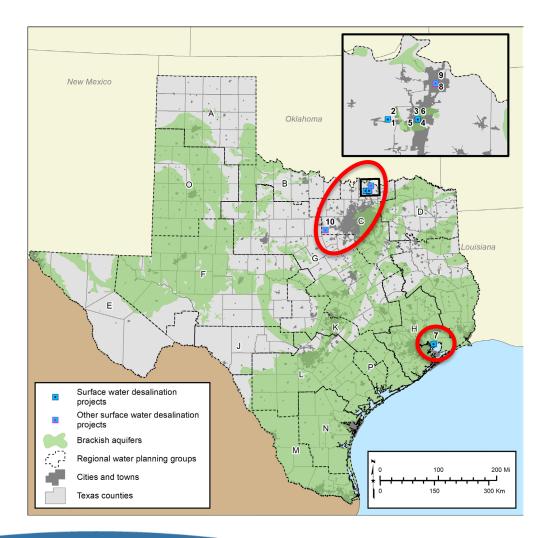


32	Ν	Alice	Brackish groundwater desalination	2030	\$23,983,000
33	N	San Patricio Municipal Water District; Corpus Christi	Evangeline/Laguna treated groundwater project	2030	\$157,550,000





Future surface water desalination



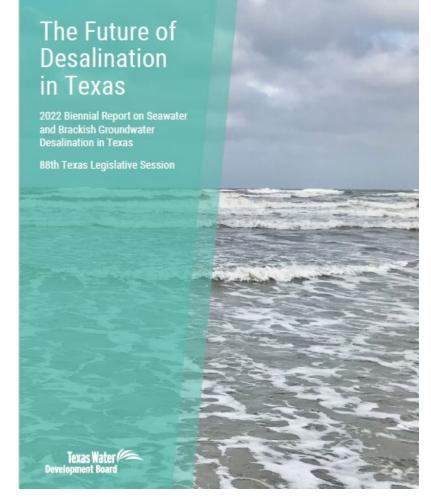
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Biennial Report on Desalination

- Tenth report in series
- 20 years of activities toward advancing seawater desalination
- Fourth report to include brackish groundwater desalination







Contact information

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Desalination Program www.twdb.texas.gov/innovativewater/desal/index.asp





