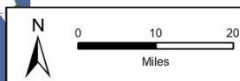




# Coastal Bend Regional Water Planning Group

February 27, 2025



**Agenda Item IV.  
Implementation Status and  
Timeline for Selected  
Projects in the 2026 Plan**

# Background

- Discussed at previous Region N meeting
- *New* provision requiring documentation of the implementation status of certain WMSs that are recommended in the plan, based on House Bill 1565, 88<sup>th</sup> Texas Legislature:
  - All reservoir strategies (including major and minor reservoirs)
  - All seawater desalination strategies
  - Direct potable reuse strategies that provide greater than 5,000 acre-feet per year (AFY) of supply in any planning decade
  - Brackish groundwater strategies that provide greater than 10,000 AFY of supply in any planning decade
  - Aquifer storage and recovery strategies that provide greater than 10,000 AFY in any decade
  - All water transfers from out of state
  - Any other innovative technology projects the RWPG considers appropriate

# Project Sponsor Information Provided in Packet

## ■ City of Corpus Christi

- Inner Harbor
- La Quinta Channel
- Barney Davis
- Evangeline Laguna Treated Groundwater

## ■ Port of Corpus Christi Authority

- Harbor Island
- La Quinta Channel

## ■ Nueces County WCID 3

- Local Balancing Reservoir

# Agenda Item V. Consideration of Adoption of the 2026 Region N Initially Prepared Plan



# Plan Structure

Chapter	Contents
ES	Executive Summary
Chapter 1	Planning Area Description
Chapter 2	Population and Water Demand Projections
Chapter 3	Water Supply Analysis
Chapter 4A	Identification of Water Needs
Chapter 4B	Infeasible Water Management Strategies in the 2021 Regional Water Plan
Chapter 5	Water Management Strategies and Evaluations
5A	Identification of Potentially Feasible WMS
5B.1	Municipal Water Conservation
5B.2	Manufacturing Water Conservation
5B.3	Mining Water Conservation
5B.4	Reuse
	Petronila Creek WWTP Reuse
	Corpus Christi Greenwood WWTP Direct Potable
	Oso Regional WWTP Reuse ( <b>Placeholder</b> )



# Plan Structure

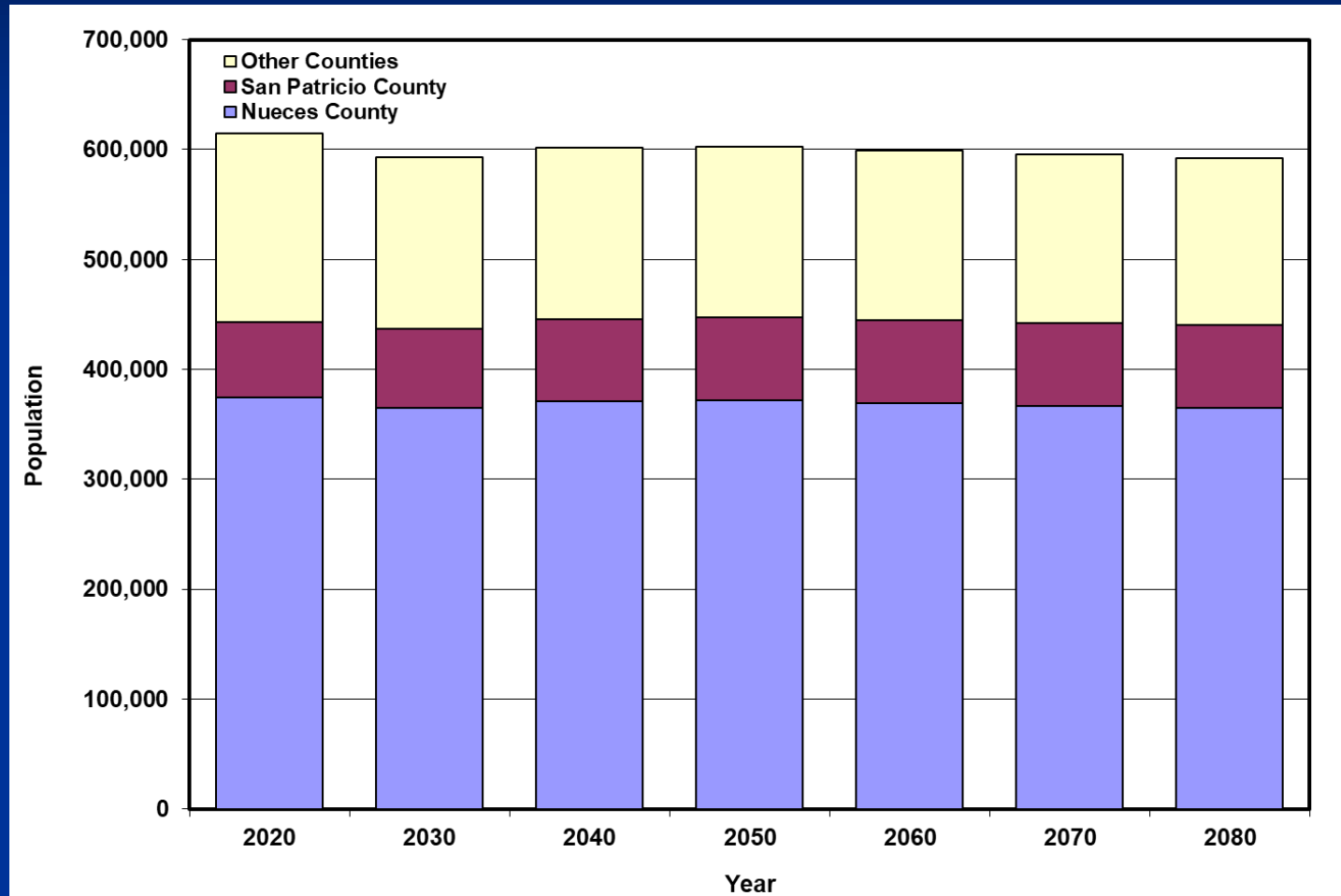
Chapter	Contents
5B.5	Aquifer Storage and Recovery
	Non-Potable Phase 1 and 2
	ASR with IPR
5B.6	Seawater Desalination
	Corpus Christi- Inner Harbor
	Corpus Christi- La Quinta Channel
	Harbor Island
	Port of Corpus Christi Authority- La Quinta Channel
	Corpus Christi Barney Davis
5B.7	Brackish Groundwater Desalination
	Evangeline/Laguna Treated Groundwater Project
	City of Beeville
	Driscoll Brackish Groundwater Treatment Project
5B.8	Local Balancing Storage
5B.9	Groundwater Supplies- Rural and Non-Municipal Water Systems
	Drill New Well for Rural Municipal and Non-Municipal Users with Shortages
	City of Mathis
	Ricardo Well Project

# Plan Structure

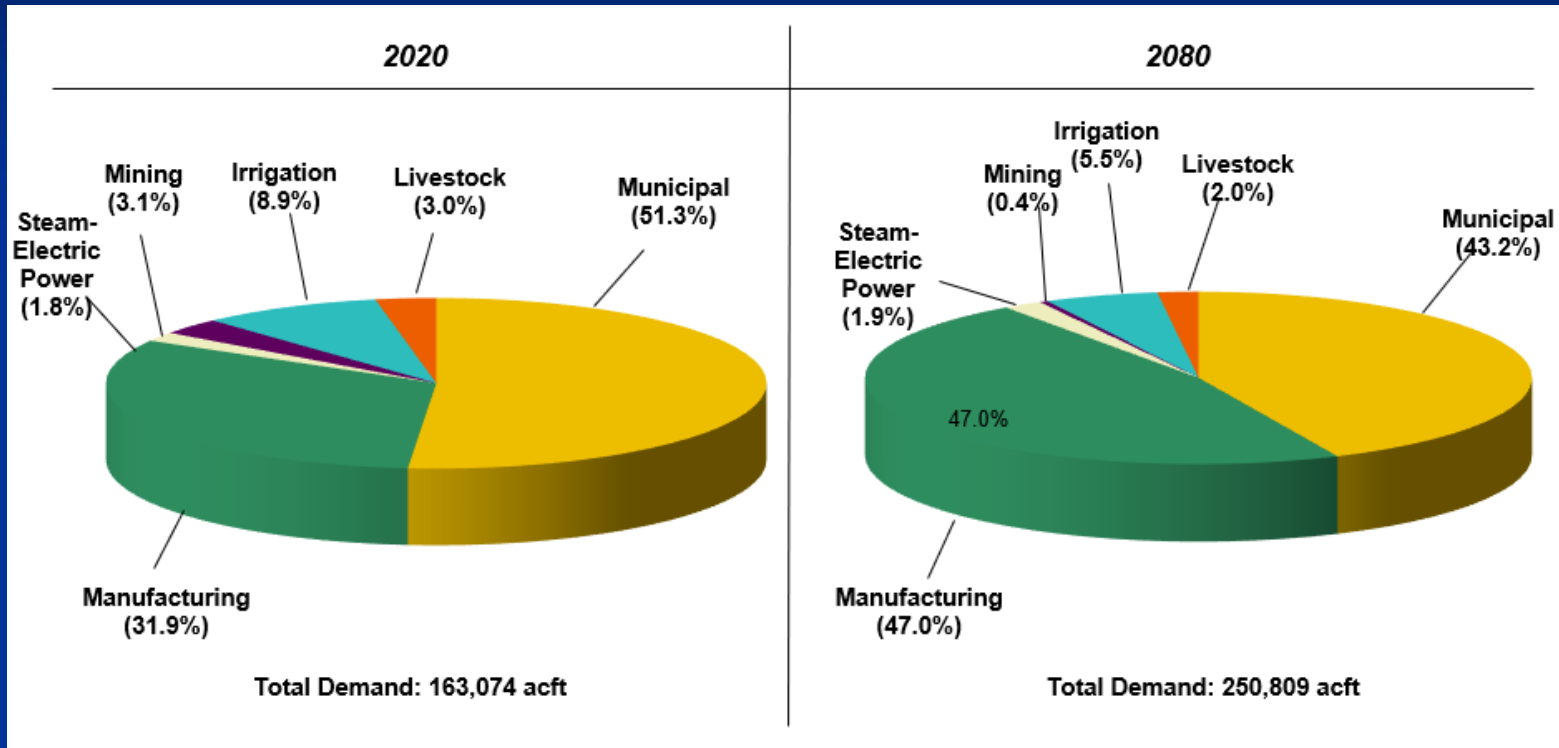
Chapter	Contents
5D.10	Regional Water Treatment Plant Expansion
	O.N. Stevens Plant Improvements
	Mary Rhodes Rehabilitation
	SPMWD Project No. 1- New WTP (20 MGD) at Plant D
	SPMWD- Project No 2- New Intake, PS and Raw Water Transmission on Nueces
5D.11	SPMWD- Project No 3- New PS at Mary Rhodes Pipeline & Transmission Rehab
5D.11	Nueces River Diversion to Choke Canyon Reservoir
5D.12	Lake Corpus Christi Sediment Removal
Chapter 6	Impacts of Regional Water Plan and Consistency with Protection of Resources
Chapter 7	Drought Response Information, Activities, and Recommendations
Chapter 8	Unique Sites and Policy Recommendations
Chapter 9	Implementation and Comparison of Plan to Previous Regional Water Plans
Chapter 10	Public Participation and Plan Adoption
	Appendices (DB27, Model WCP & DCP, Agreed Order Presentation, etc)



# Region N Population



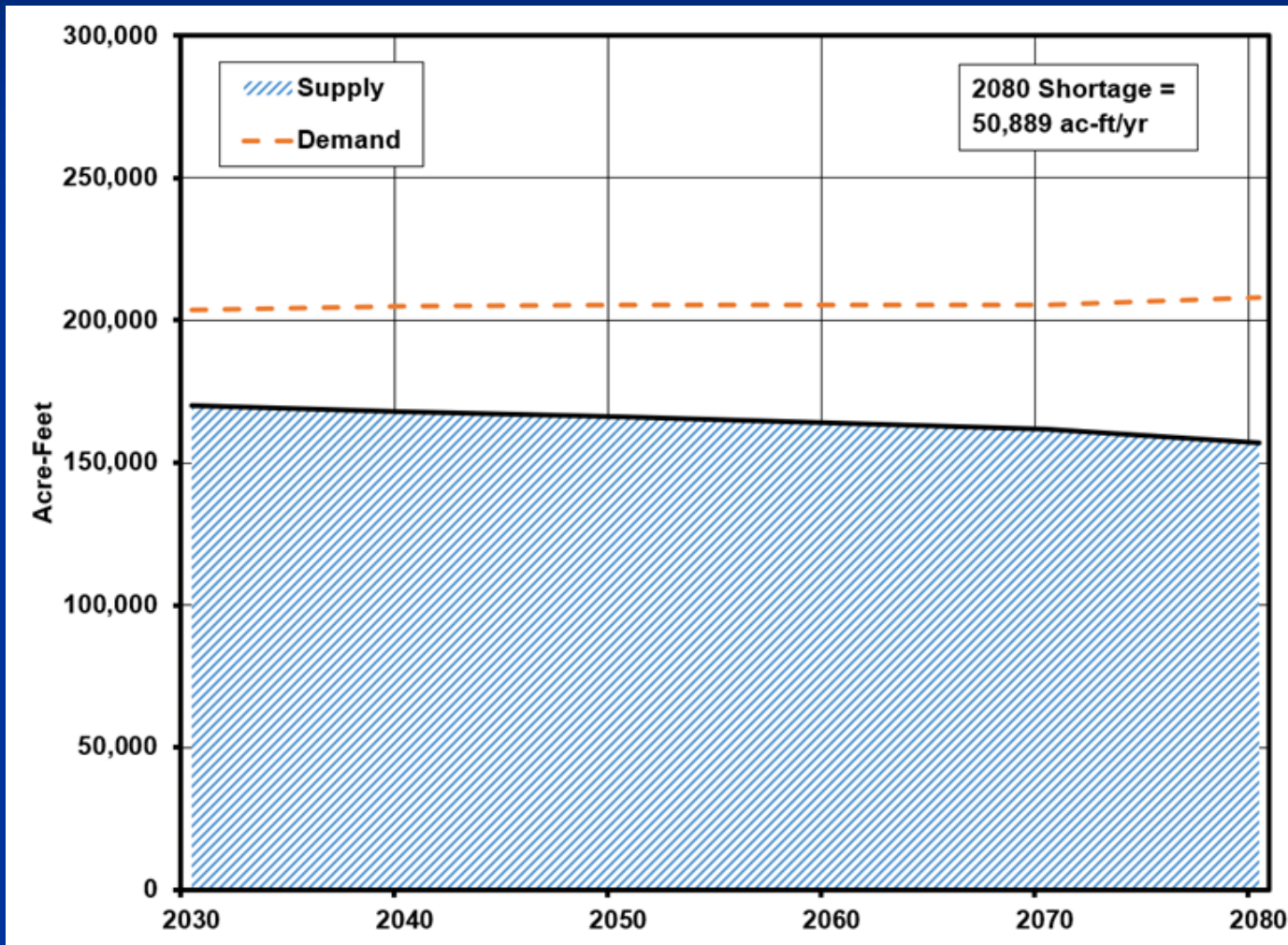
# Region N Water Demand



# Total Existing Supplies (ac-ft/yr)

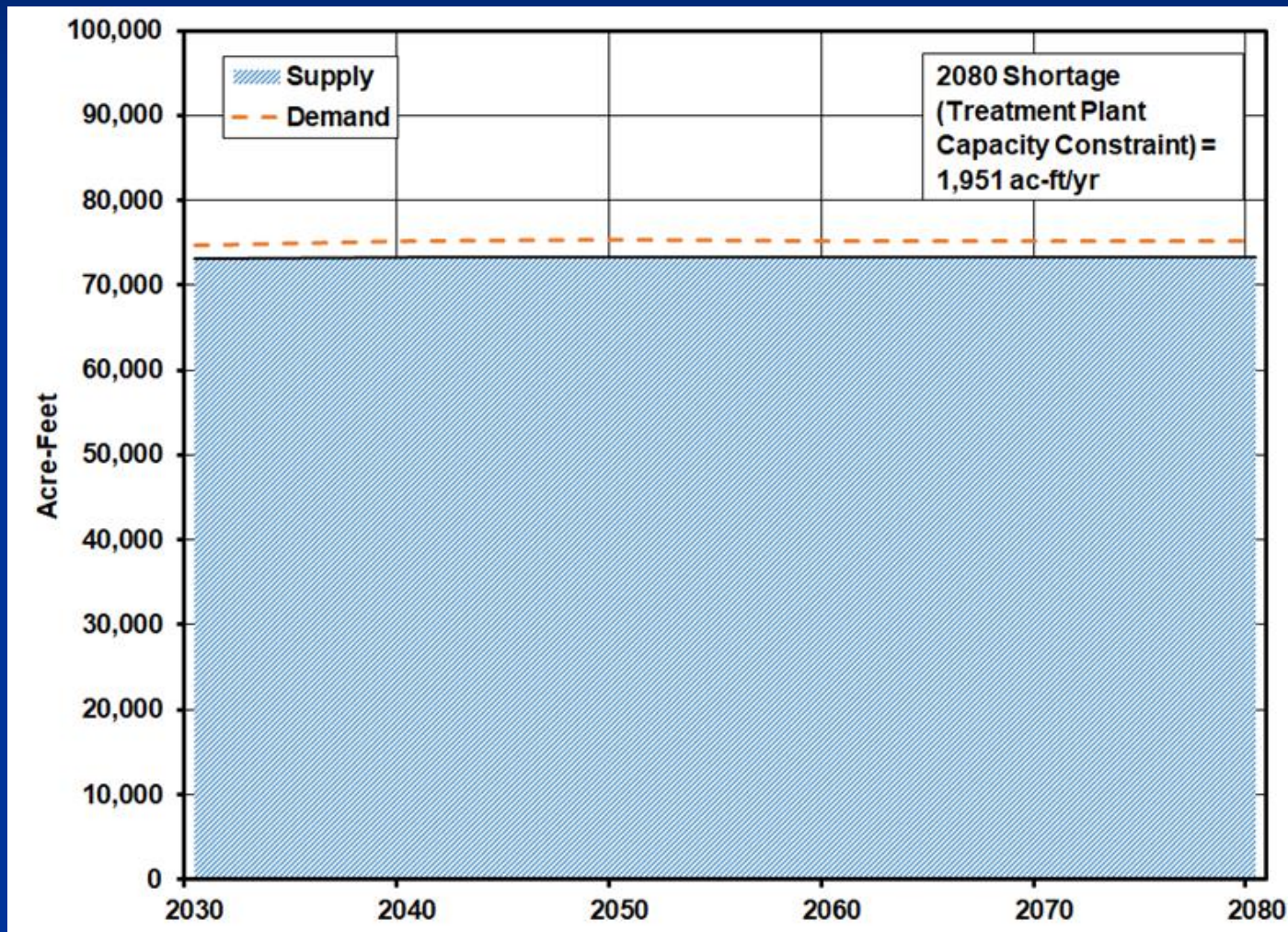
	2030	2040	2050	2060	2070	2080
<b>Municipal</b>	102,710	104,194	104,736	104,813	104,997	100,177
<b>Manufacturing</b>	79,986	76,536	74,120	72,298	70,370	70,216
<b>Steam-Electric</b>	4,777	4,777	4,777	4,777	4,777	4,777
<b>Mining</b>	6,847	6,878	6,908	6,936	6,938	4,122
<b>Irrigation</b>	13,861	13,861	13,861	13,861	13,861	13,861
<b>Livestock</b>	4,963	4,963	4,963	4,963	4,963	4,963
<b>Total (ac-ft)</b>	<b>213,144</b>	<b>211,209</b>	<b>209,365</b>	<b>207,648</b>	<b>205,906</b>	<b>198,037</b>

# Wholesale Water Provider- City of Corpus Christi

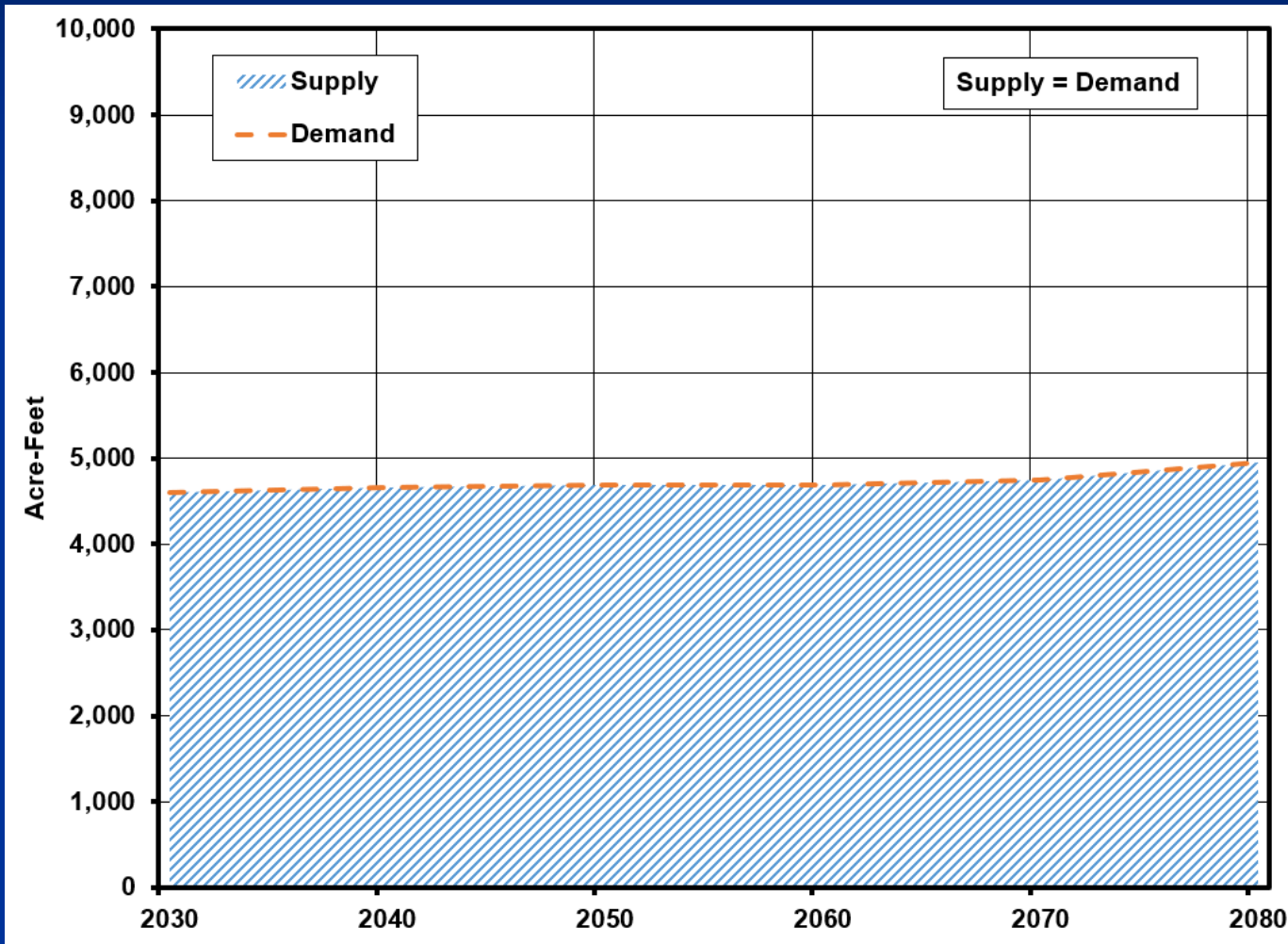




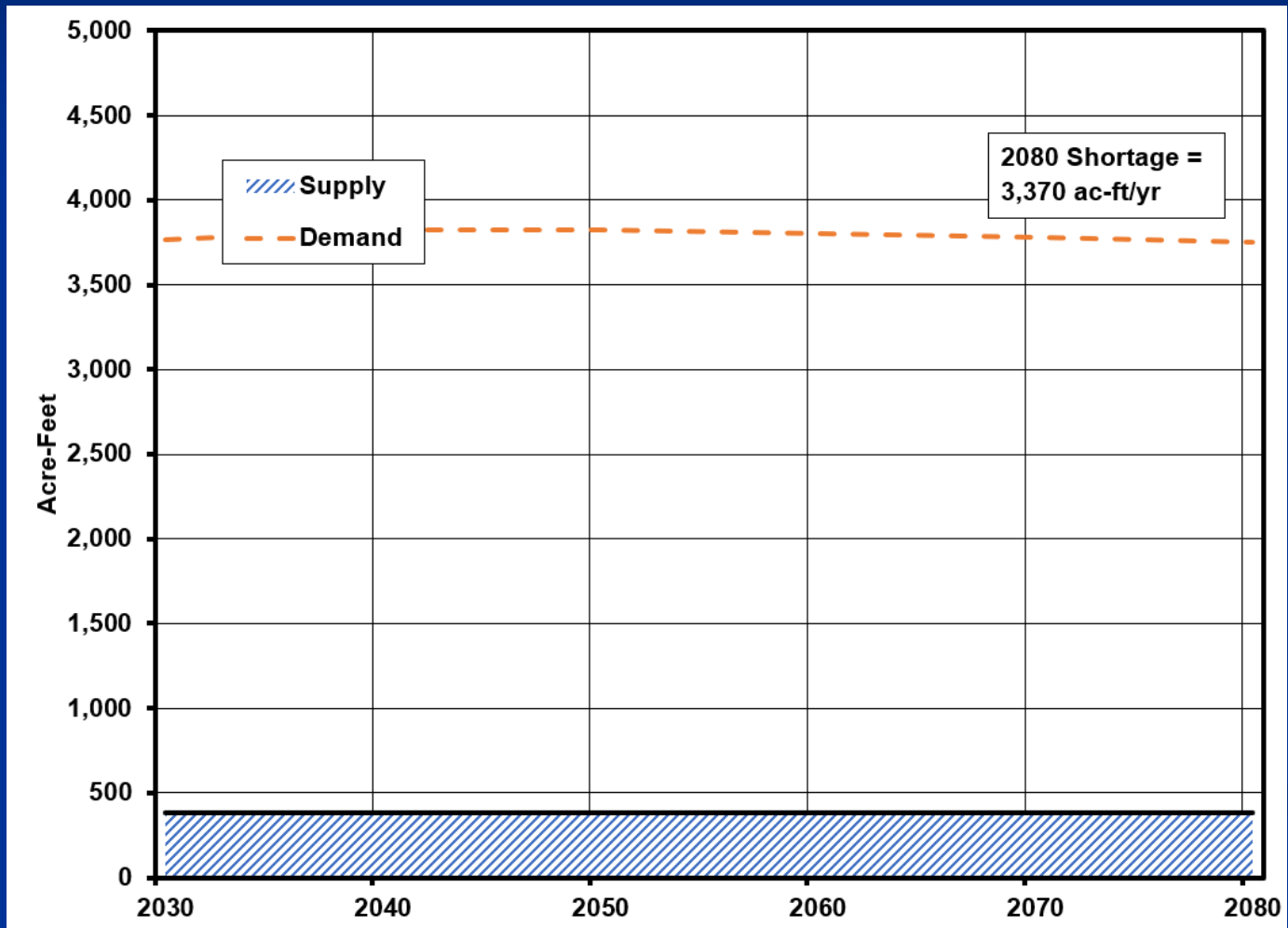
# Wholesale Water Provider- SPMWD



# Wholesale Water Provider- STWA

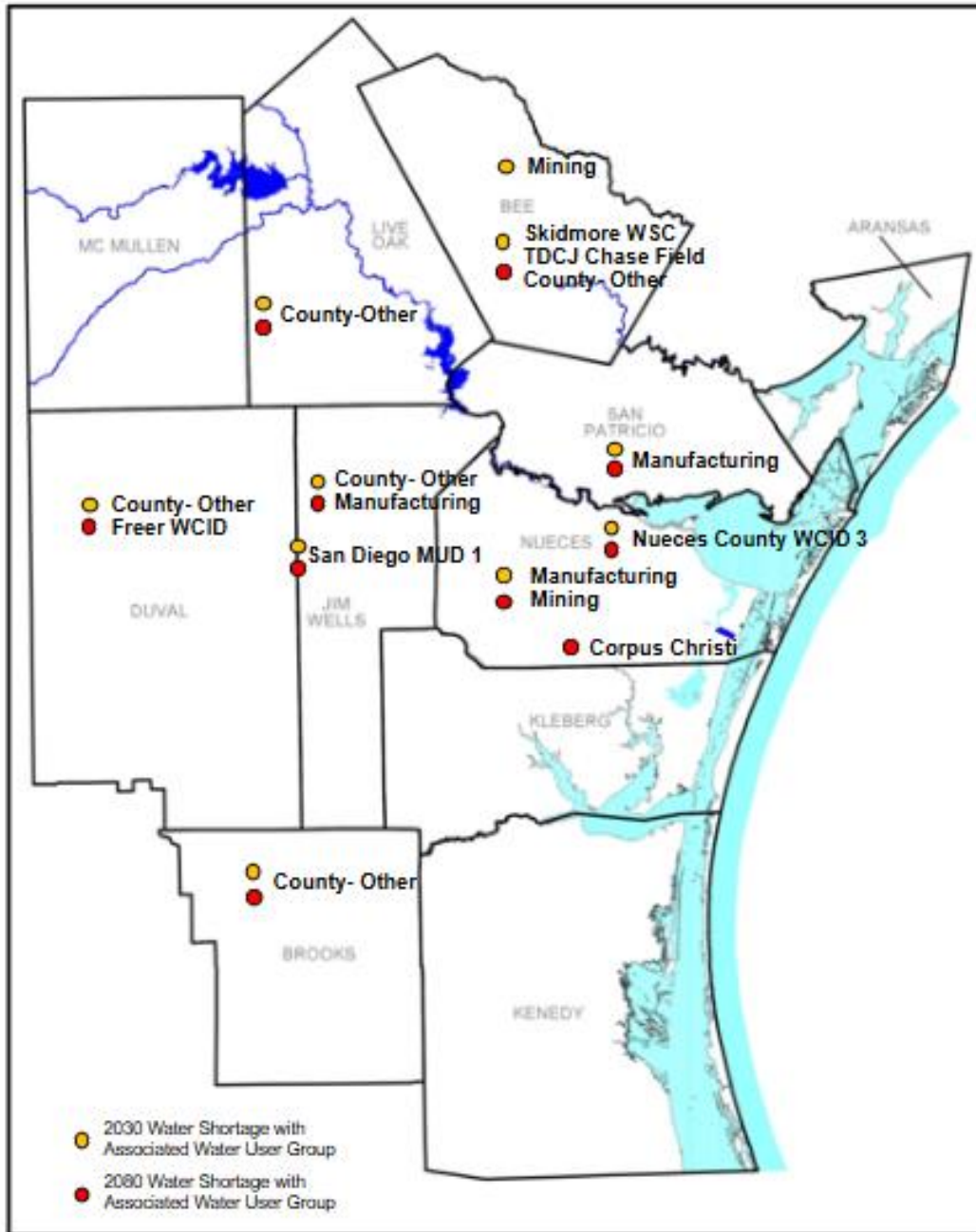


# Wholesale Water Provider- Nueces County WCID #3





# Water Supply Needs



# Impact Categories for Evaluation of Water Management Strategies

Impact Category
a. Water supply:
1. Quantity
2. Reliability
3. Cost of treated water**
4. Estimated Water Losses
b. Environmental factors:
1. Effects on Instream flows
2. Effects on Bay and estuary inflows and arms of the Gulf of Mexico
3. Wildlife habitat
4. Wetlands
5. Threatened and endangered species
6. Cultural resources
7. Water quality
a. dissolved solids
b. salinity
c. bacteria
d. chlorides
e. bromide
f. sulfate
g. uranium
h. arsenic
i. other water quality constituents
c. Impacts to Agricultural Resources or State water resources
d. Threats to agriculture and natural resources in region
e. Recreational impacts
f. Equitable comparison of strategies
g. Interbasin transfers
h. Third party social and economic impacts from voluntary redistribution of water
i. Efficient use of existing water supplies and regional opportunities
j. Effect on navigation
k. Impacts on water pipelines and other facilities used for water conveyance

# Water Plan Summary -Aransas -Bee -Brooks

County/Water User Group	Demand (ac-ft)			Need (Shortage) (ac-ft)			Recommended Management Strategies to Meet Need (Shortage)
	2030	2050	2080	2030	2050	2080	
<b>Aransas County</b>	See Section 4A.3.1						See Section 5B.2
Aransas Pass (P)	116	112	105	none	none	none	-
Rincon WSC (P)	2	2	2	none	none	none	-
Rockport	3266	3162	2962	none	none	none	Municipal Water Conservation
County-Other	530	512	478	none	none	none	-
Manufacturing	0	0	0	none	none	none	-
Steam-Electric	0	0	0	none	none	none	-
Mining	0	0	0	none	none	none	-
Irrigation	0	0	0	none	none	none	-
Livestock	52	52	52	none	none	none	-
<b>Bee County</b>	See Section 4A.3.2						See Section 5B.3
Beeville	2,805	3,075	3,663	none	none	none	Municipal Water Conservation, Brackish Groundwater Desal
El Oso WSC (P)	94	159	359	none	none	none	Municipal Water Conservation
Pettus MUD	65	73	91	none	none	none	-
Skidmore WSC	103	108	125	(22)	(27)	(44)	Municipal Water Conservation, Groundwater Supplies
TDCJ Chase Field	1,295	1,292	1,292	(5)	(2)	(2)	Municipal Water Conservation, Groundwater Supplies
County-Other	1,645	1,400	737	(1,426)	(1,181)	(518)	Groundwater Supplies
Manufacturing	0	0	0	none	none	none	-
Steam-Electric	0	0	0	none	none	none	-
Mining	239	239	0	(25)	(25)	none	Mining Water Conservation, Groundwater Supplies
Irrigation	2,518	2,518	2,518	none	none	none	-
Livestock	568	568	568	none	none	none	-
<b>Brooks County</b>	See Section 4A.3.3						See Section 5B.4
Falfurrias	1,162	1,152	1,256	none	none	none	Municipal Water Conservation
County-Other	313	266	133	(281)	(234)	(101)	Groundwater Supplies
Manufacturing	0	0	0	none	none	none	-
Steam-Electric	0	0	0	none	none	none	-
Mining	16	16	16	none	none	none	Mining Water Conservation
Irrigation	597	597	597	none	none	none	-
Livestock	478	478	478	none	none	none	-

# Water Plan Summary

- Duval
- Jim Wells
- Kenedy
- Kleberg (1 of 2)

County/Water User Group	Demand (ac-ft)			Need (Shortage) (ac-ft)			Recommended Management Strategies to Meet Need (Shortage)
	2030	2050	2080	2030	2050	2080	
<b>Duval County</b>	See Section 4A.3.4						See Section 5B.5
Duval County CRD	161	143	119	none	none	none	-
Freer WCID	501	444	370	none	none	none	Municipal Water Conservation
San Diego MUD 1 (P)	678	672	716	none	none	none	Municipal Water Conservation
County-Other	253	199	113	(253)	(199)	(113)	Groundwater Supplies
Manufacturing	0	0	0	none	none	none	-
Steam-Electric	0	0	0	none	none	none	-
Mining	6	6	7	none	none	none	Mining Water Conservation
Irrigation	2,016	2,016	2,016	none	none	none	-
Livestock	566	566	566	none	none	none	-
<b>Jim Wells County</b>	See Section 4A.3.5						See Section 5B.6
Alice	4,009	4,436	5,276	none	none	none	Municipal Water Conservation
Jim Wells County FWSD 1	112	112	117	none	none	none	Municipal Water Conservation
Orange Grove	364	347	336	none	none	none	Municipal Water Conservation
Premont	554	532	522	none	none	none	Municipal Water Conservation, Groundwater Supplies
San Diego MUD 1 (P)	134	143	163	(102)	(111)	(131)	-
County-Other	1,656	1,194	117	(1,621)	(1,159)	(82)	Groundwater Supplies
Manufacturing	87	93	104	(8)	(14)	(25)	Manufacturing Water Conservation, Groundwater Supplies
Steam-Electric	0	0	0	none	none	none	-
Mining	0	0	0	none	none	none	-
Irrigation	1,665	1,665	1,665	none	none	none	-
Livestock	902	902	902	none	none	none	-
<b>Kenedy County</b>	See Section 4A.3.6						See Section 5B.7
County-Other	175	148	121	none	none	none	Municipal Water Conservation
Manufacturing	0	0	0	none	none	none	-
Steam-Electric	0	0	0	none	none	none	-
Mining	3	3	3	none	none	none	Mining Water Conservation
Irrigation	0	0	0	none	none	none	-
Livestock	631	631	631	none	none	none	-
<b>Kleberg County</b>	See Section 4A.3.7						See Section 5B.8
Baffin Bay WSC	129	136	156	none	none	none	Municipal Water Conservation
Kingsville	3,907	4,135	4,714	none	none	none	Groundwater Supplies
Naval Air Station Kingsville	264	282	306	none	none	none	Municipal Water Conservation
Ricardo WSC	385	408	467	none	none	none	Groundwater Supplies
Riviera Water System	128	136	155	none	none	none	-

County/Water User Group	Demand (ac-ft)			Need (Shortage) (ac-ft)			Recommended Management Strategies to Meet Need (Shortage)
	2030	2050	2080	2030	2050	2080	
County-Other	208	219	251	none	none	none	Municipal Water Conservation
Manufacturing	1,088	1,170	1,305	none	none	none	Manufacturing Water Conservation
Steam-Electric	0	0	0	none	none	none	-
Mining	10	10	10	none	none	none	Mining Water Conservation
Irrigation	141	141	141	none	none	none	-
Livestock	532	532	532	none	none	none	-
<b>Live Oak County</b>	See Section 4A.3.8						See Section 5B.9
El Oso WSC (P)	152	165	165	none	none	none	Municipal Water Conservation
George West	304	253	197	none	none	none	Municipal Water Conservation
McCoy WSC	6	4	2	none	none	none	-
Old Marbach School WSC	88	79	75	none	none	none	-
Three Rivers	444	432	426	2,184	1,983	1,639	Municipal Water Conservation
County-Other	639	605	643	(198)	(164)	(202)	Groundwater Supplies
Manufacturing	2,843	3,057	3,409	none	none	none	Manufacturing Water Conservation
Steam-Electric	0	0	0	none	none	none	-
Mining	1,264	1,264	2	none	none	1,262	Mining Water Conservation
Irrigation	844	844	844	none	none	none	-
Livestock	651	651	651	none	none	none	-
<b>McMullen County</b>	See Section 4A.3.9						See Section 5B.10
County-Other	61	54	42	none	none	none	-
Three Rivers (P)	12	11	9				-
Manufacturing	34	34	34	none	none	none	Manufacturing Water Conservation
Steam-Electric	0	0	0	none	none	none	-
Mining	4,538	4,538	1	none	none	1,856	Mining Water Conservation
Irrigation	24	24	24	none	none	none	-
Livestock	278	278	278	none	none	none	-
<b>Nueces County</b>	See Section 4A.3.10						See Section 5B.11
Bishop	550	558	547	none	none	none	Municipal Water Conservation, Brackish Groundwater Desal
Corpus Christi	59,084	59,942	58,866	none	none	(5,158)	Municipal Water Conservation, ASR, Seawater Desal, Brackish Groundwater Desal, Regional Water Supply <del>Mgmt</del> and Treatment Facilities
Corpus Christi NAS	2,078	2,112	2,086	none	none	none	Municipal Water Conservation
Driscoll	80	81	80	none	none	none	Brackish Groundwater Desal
Nueces County WCID 3	3,452	3,507	3,441	(3,383)	(3,443)	(3,370)	Municipal Water Conservation, Local Balancing Storage
Nueces County WCID 4	1,370	1,392	1,365	none	none	none	Municipal Water Conservation
Nueces WSC	988	999	992	none	none	none	Municipal Water Conservation, Brackish Groundwater Desal

# Water Plan Summary

- Kleberg (2 of 2)  
- Live Oak  
- McMullen  
- Nueces (1 of 2)

# Water Plan Summary

-Nueces (2 of 2)  
-San Patricio  
-Region N Total

County/Water User Group	Demand (ac-ft)			Need (Shortage) (ac-ft)			Recommended Management Strategies to Meet Need (Shortage)
	2030	2050	2080	2030	2050	2080	
River Acres WSC	315	320	313	none	none	none	-
Violet WSC	228	230	225	none	none	none	-
County-Other	2,607	2,841	2,593	none	none	none	Brackish Groundwater Desal
Manufacturing	50,363	50,363	52,339	(33,672)	(39,295)	(45,731)	Manufacturing Water Conservation, Reuse, Aquifer Storage and Recovery, Seawater Desal, Brackish Groundwater Desal, Regional Water Supply <del>Manag</del> and Treatment Facilities
Steam-Electric	2,201	2,201	2,201	none	none	none	-
Mining	796	858	893	(88)	(93)	(101)	Mining Water Conservation, Groundwater Supplies
Irrigation	559	559	559	none	none	none	-
Livestock	218	218	218	none	none	none	-
<b>San Patricio County</b>	<b>See Section 4A.3.11</b>						<b>See Section 5B.12</b>
Aransas Pass (P)	1,185	1,183	1,207	none	none	none	-
Gregory	270	257	270	none	none	none	Municipal Water Conservation
Ingleside	986	1,022	1,019	none	none	none	-
Mathis	469	400	451	none	none	none	Groundwater Supplies
Odem	432	421	437	none	none	none	-
Portland	3,555	4,155	5,277	none	none	none	Municipal Water Conservation
Rincon WSC	378	405	396	none	none	none	-
Sinton	1,073	1,045	1,084	none	none	none	Municipal Water Conservation
Taft	337	318	336	none	none	none	-
County-Other	1,664	1,683	493	none	none	none	-
Manufacturing	60,705	60,715	60,732	(1,454)	(2,003)	(1,951)	Manufacturing Water Conservation, Seawater Desal, Brackish Groundwater Desal, Regional Water Supply <del>Manag</del> and Treatment Facilities
Steam-Electric	2,576	2,576	2,576	none	none	none	-
Mining	88	92	94	none	none	none	Mining Water Conservation
Irrigation	5,497	5,497	5,497	none	none	none	-
Livestock	278	278	278	none	none	none	-
<b>Total Needs by Water User Type</b>							
Municipal	107,817	109,273	108,259	(5,107)	(4,537)	(8,082)	-
Manufacturing	115,120	115,432	117,923	(35,134)	(41,312)	(47,707)	
Steam-Electric	4,777	4,777	4,777	none	none	none	-
Mining	6,960	7,026	1,026	(113)	(118)	3,017	-
Irrigation	13,861	13,861	13,861	none	none	none	-
Livestock	4,963	4,963	4,963	none	none	none	-
<b>Region N Total</b>	<b>253,498</b>	<b>255,332</b>	<b>250,809</b>	<b>(40,354)</b>	<b>(45,967)</b>	<b>(52,772)</b>	<b>-</b>

Note: (P) = Partial listing – water user group in multiple counties.



# Supply vs Unit Cost for Recommended WMS

