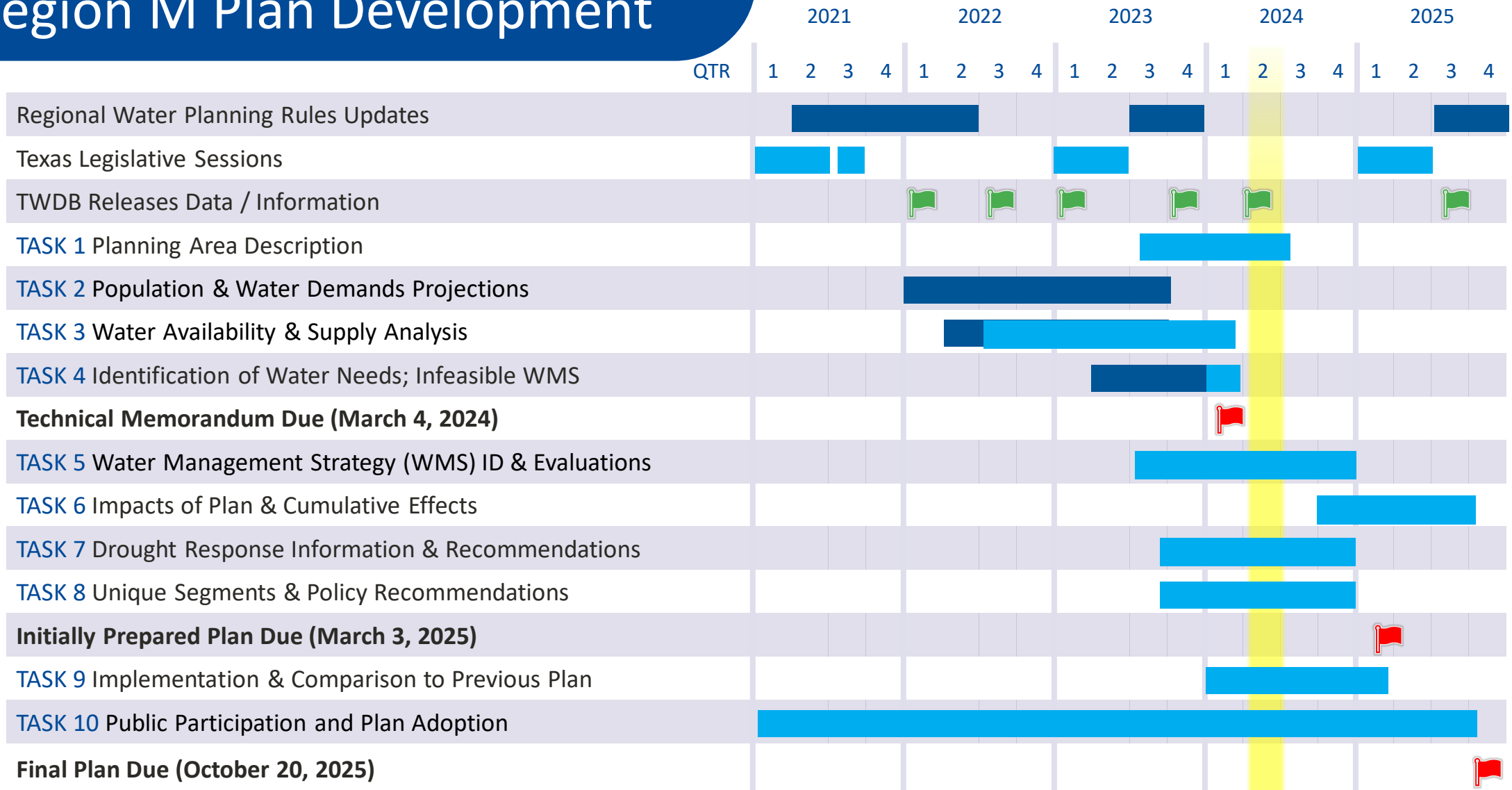
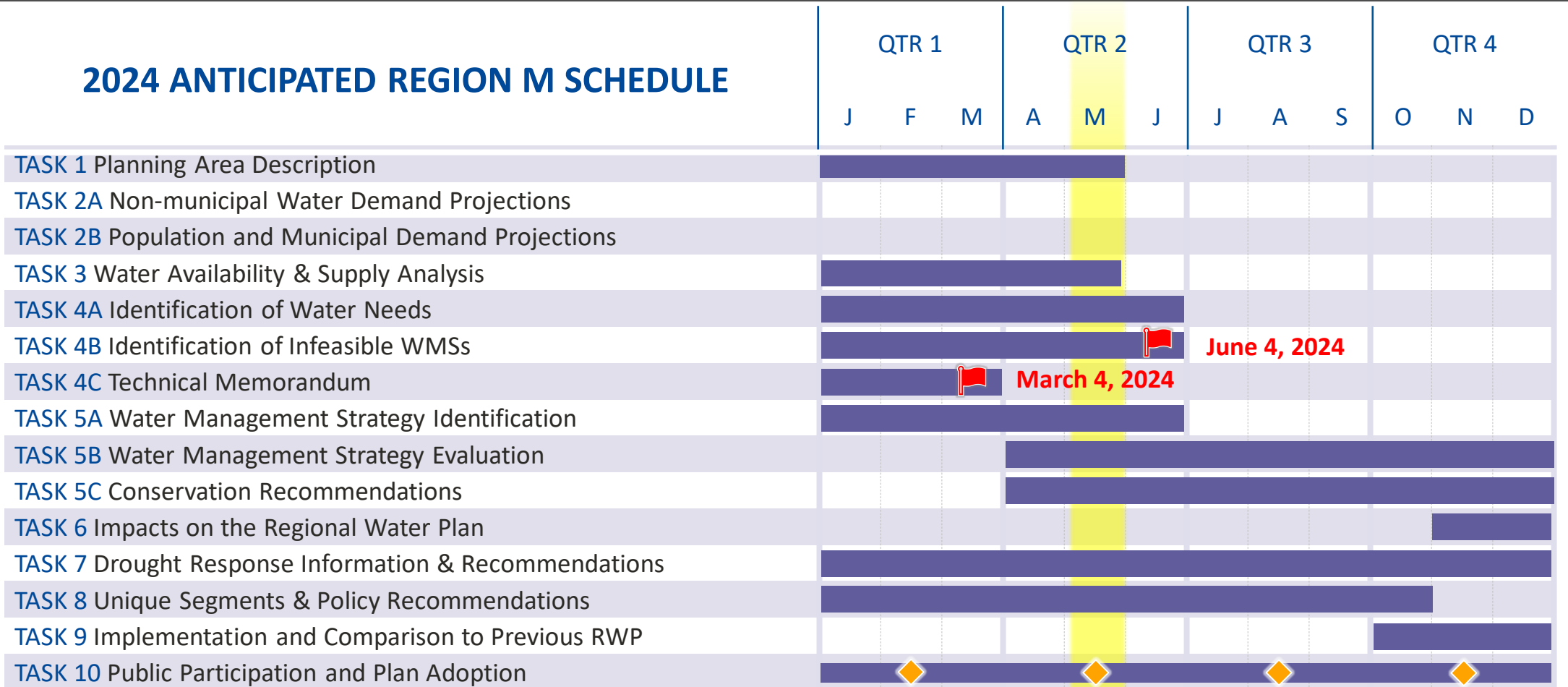


# Agenda Item 4.A.1: Schedule and Progress Update

# Conceptual Schedule for Region M Plan Development



## 2024 ANTICIPATED REGION M SCHEDULE



### LEGEND

█ Other Activities

█ Region M Activities

🚩 TWDB Deadline

◆ Region M RWPG Meeting

# Progress Since Last Meeting

- Submitted approved technical memorandum to TWDB
- Submitted draft amendment for infeasible WMSs to TWDB for determination of minor amendment status
- Submitted approved scope of work for Task 5B WMS evaluations to TWDB for Notice to Proceed
- Held Groundwater/Surface Water Modeling Subcommittee meeting to discuss details of surface water modeling
- Continued work to update supplies in DB27 to determine needs
- Continued work on draft chapters
- Prepared final draft amendment for presentation to RWPG

# Update on New or Ongoing Efforts

- Beginning water management strategy evaluations
- Sending communication out to defined “rural entities” within the region to provide information from TWDB and encourage engagement in the regional water planning process
- Review of Drought Contingency Plans and beginning work on Chapter 7
- Beginning updates on policy recommendations for Chapter 8

# Timeline/Process for Chapters Review

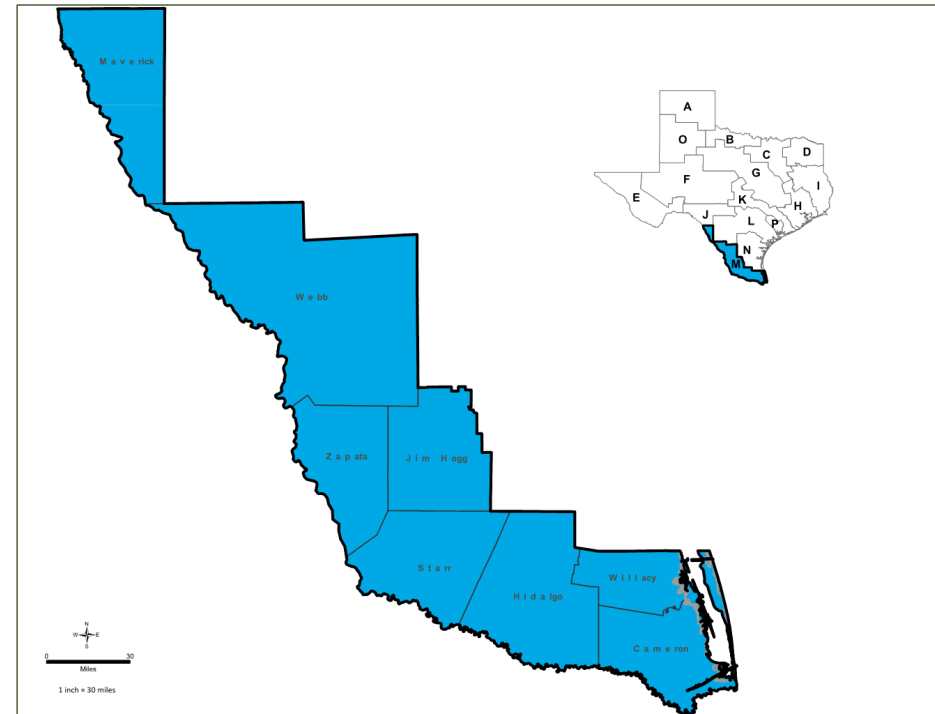
- Will be sending out draft chapters 1-4 for RWPG members' review over next couple of months
- Anticipate providing links to documents where all members can provide comments and see others' comments
- Would like to finalize comments before end of 2024
  - Initially Prepared Plan due March 3, 2025

# Chapter 1

## Description of the Regional Water Planning Area

- Planning Background
- Description of Area
  - Climate
  - Population and Economy
  - Surface Water Resources and Quality
  - Drought of Record
  - Groundwater Resources and Quality
- Current Water Use
- Major Water Providers
- Agricultural and Natural Resources, and Threats to Them
- Existing regional and local water plans

- Current preparations for drought
- Water loss audit data

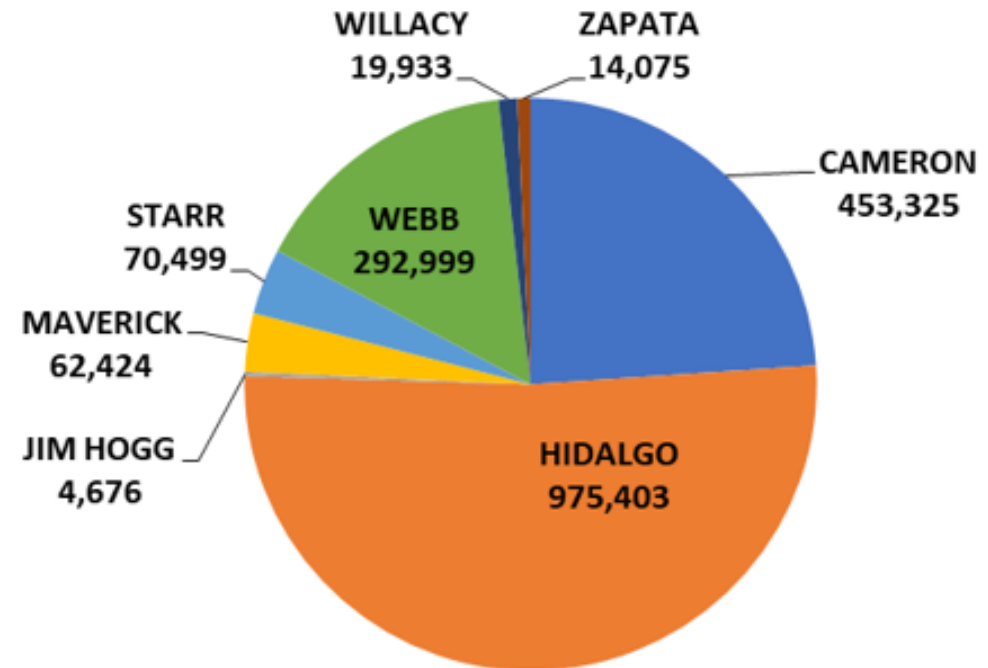


# Chapter 2

## Population and Water Demands

- Introduction
- Methodology and Projections
  - Population and Municipal Demands
  - Manufacturing Water Demands
  - Steam-Electric Water Demands
  - Mining Water Demands
  - Irrigation Water Demands
  - Livestock Water Demands
- Major Water Providers

2030 Population Distribution Among the Eight Counties of Region M (acft/yr)





# Chapter 3

## Water Supply Analysis

- Introduction
- Surface Water Availability
  - River Basin Sources
  - Allocation of Surface Water Supplies
- Groundwater Availability
  - Aquifer Sources
  - Allocation of Surface Water Supplies
- Recycled Water
- Major Water Providers

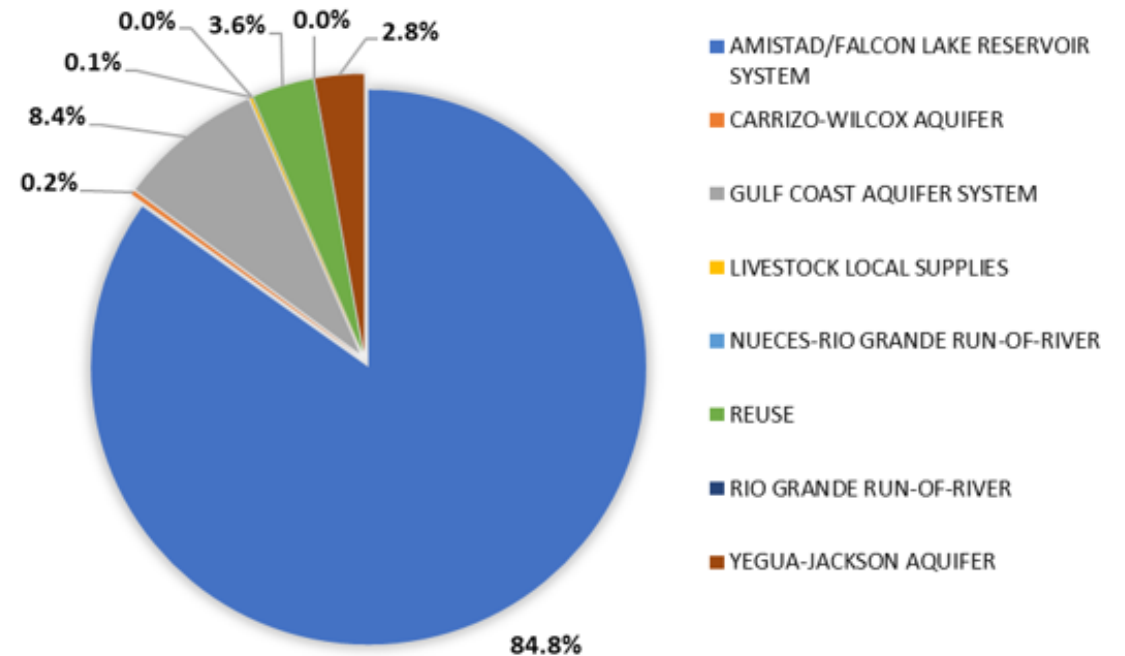


Figure 3-1 Major Groundwater, Surface Water, and Reuse Water Source Projections in Region M

# Chapter 4

## Identification of Water Needs

- Introduction
- Regional Needs Summary
- Municipal Needs
- Irrigation Needs
- Steam-Electric Needs
- Mining Needs
- Manufacturing Needs
- Livestock Needs
- Major Water Providers' Needs
- Secondary Needs Analysis

# Municipal Needs Analysis by County (AFY) – Cameron

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Cameron	Brownsville	-	-	-	-	-	-
	Combes	-	-	-	-	-	-
	County-Other	2,434	1,561	638	-	-	-
	East Rio Hondo WSC	-	-	118	639	921	1,216
	El Jardin WSC	185	211	224	220	216	212
	Harlingen	-	-	-	-	-	-
	La Feria	-	-	-	-	-	-
	Laguna Madre Water District	-	-	-	-	-	-
	Los Fresnos	-	-	-	-	-	-
	Military Highway WSC	55	142	180	165	149	132
	North Alamo WSC	126	143	150	147	145	143
	Olmito WSC	-	-	-	-	-	-
	Palm Valley	-	-	-	-	-	-
	Primera	25	185	295	379	471	522
	Rio Hondo	-	-	-	-	-	-
	San Benito	-	-	-	-	-	-
	Santa Rosa	-	-	-	-	-	-
Valley MUD 2	-	-	-	-	-	-	
Cameron Total		2,825	2,242	1,605	1,550	1,902	2,225

# Municipal Needs Analysis by County (AFY) - Hidalgo

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Hidalgo	Agua SUD	-	-	-	-	59	205
	Alamo	-	-	-	-	-	-
	County-Other	965	-	-	-	-	-
	Donna	-	-	-	-	-	-
	Edcouch	-	-	-	-	-	-
	Edinburg	8,254	9,159	9,772	9,970	10,169	10,368
	Elsa	-	-	-	-	-	-
	Hidalgo	6	6	7	7	8	9
	Hidalgo County MUD 1	-	-	-	-	-	17
	La Joya	232	269	294	308	323	337
	La Villa	-	30	56	53	50	47
	McAllen	1,361	5,494	11,326	12,558	13,809	15,080
	Mercedes	-	-	-	-	-	-
	Military Highway WSC	-	-	-	-	-	-
	Mission	-	630	1,317	1,792	2,275	2,764
	North Alamo WSC	12,797	16,056	18,254	18,625	18,993	19,362
	Pharr	1,803	2,310	2,676	2,864	3,053	3,244
	San Juan	-	-	-	-	-	-
	Sharyland WSC	-	-	794	1,035	1,276	1,516
	Weslaco	-	-	-	-	-	-
Hidalgo Total		25,418	33,954	44,496	47,212	50,015	52,949

# Municipal Needs Analysis by County (AFY) - Maverick

- No municipal needs in Jim Hogg County

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Maverick	County-Other	-	-	-	-	-	-
	Eagle Pass	-	-	92	559	1,023	1,486
	Maverick County	-	-	-	-	-	-
Maverick	Total	-	-	92	559	1,023	1,486

# Municipal Needs Analysis by County (AFY) - Starr

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Starr	Agua SUD	-	-	-	-	-	-
	County-Other	215	217	231	282	337	392
	El Sauz WSC	62	76	87	91	95	99
	El Tanque WSC	24	-	-	-	-	-
	La Grulla	867	961	1,035	1,082	1,130	1,178
	Rio Grande City	712	980	1,188	1,326	1,466	1,608
	Rio WSC	193	337	433	433	431	429
	Roma	-	-	-	67	156	247
	Union WSC	691	749	799	845	892	939
Starr Total		2,764	3,320	3,773	4,126	4,507	4,892

# Municipal Needs Analysis by County (AFY) - Webb

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Webb	County-Other	1,117	643	178	178	183	184
	Laredo	-	-	-	-	-	-
	Mirando City WSC	-	-	-	-	-	-
	Webb County	-	-	302	276	250	223
Webb Total		1,117	643	480	454	433	407

# Municipal Needs Analysis by County (AFY) - Willacy

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Willacy	County-Other	-	-	-	-	-	-
	Lyford	-	-	-	-	-	-
	North Alamo WSC	-	25	74	108	145	183
	Port Mansfield PUD	40	67	102	156	219	292
	Raymondville	-	-	-	-	-	-
	Sebastian MUD	-	-	-	-	-	-
	Willacy Total		40	92	176	264	364



# Municipal Needs Analysis by County (AFY) - Zapata

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Zapata	County-Other	-	-	11	20	26	32
	Falcon Rural WSC	-	-	-	-	-	-
	Siesta Shores WCID	-	-	-	-	-	-
	Zapata County	-	-	-	-	-	-
	Zapata County San Ygnacio & Ramireño	-	-	-	-	-	-
	Zapata County WCID-Hwy 16 East	-	-	-	-	-	-
Zapata Total		-	-	11	20	26	32

# Irrigation Needs Analysis by County (AFY)

COUNTY	BASIN	WUG	2030	2040	2050	2060	2070	2080
Cameron	Nueces-Rio Grande	Irrigation	339,484	323,376	307,273	291,308	275,417	259,628
Cameron	Rio Grande	Irrigation	21,880	20,852	19,822	18,802	17,790	16,783
Hidalgo	Nueces-Rio Grande	Irrigation	413,314	392,256	371,195	350,368	329,708	309,124
Hidalgo	Rio Grande	Irrigation	17,102	16,228	15,359	14,495	13,642	12,790
Jim Hogg	Nueces-Rio Grande	Irrigation	0	0	0	0	0	0
Jim Hogg	Rio Grande	Irrigation	0	0	0	0	0	0
Maverick	Rio Grande	Irrigation	21,418	19,466	17,515	15,604	13,723	11,856
Starr	Rio Grande	Irrigation	21,231	20,466	19,702	18,940	18,182	17,427
Webb	Rio Grande	Irrigation	6,696	6,365	6,033	5,707	5,386	5,070
Willacy	Nueces-Rio Grande	Irrigation	76,330	73,148	69,966	66,803	63,656	60,514
Zapata	Rio Grande	Irrigation	3,621	3,459	3,296	3,136	2,977	2,821
<b>REGION M TOTAL IRRIGATION NEEDS</b>			<b>921,076</b>	<b>875,616</b>	<b>830,161</b>	<b>785,163</b>	<b>740,481</b>	<b>696,013</b>