



Region I

East Texas Regional
Water Planning Group



REGIONAL WATER PLANNING GROUP MEETING AND PUBLIC MEETING

August 18, 2021

www.etexwaterplan.org

1

Item 7

Reports from other state agencies



2

Texas Water Development Board

1. Mining Water Use Study

- TWDB has contracted with UT Bureau of Economic Geology to assess mining water use and update demand projections for 2026 regional water plans
- Includes sand and gravel operations
- <https://www.twdb.texas.gov/waterplanning/data/projections/MiningStudy/index.asp>



3

Texas Water Development Board

2. TWDB Member Survey

3. Rulemaking

- 355 and 357.21 revisions completed 5/6 effective 5/31. This will occur again later this year and will include a public comment period.

4. 2022 State Water Plan

- Approved on 7/7/2021 by the TWDB. The 2022 interactive website is now live.
- <https://2022.texasstatewaterplan.org/statewide>



4

Texas Water Development Board

5. Contract

- Sent to the political sub. Must be executed by August 31st

6. Guidance Principles & Water Supply Planning Rules Review

- Comment period closed on July 5th. Revisions to guidance document and rules to follow.



5

Texas Water Development Board

7. Legislative Update

- Bills that affect the Regional Water Planning Group were tracked by the TWDB
- HB 1905 – relieved Regional Planning Groups of certain duties.
- SB 669 – related to certain reports created by the TWDB.
- HB-2225 – powers and duties of Parks and Wildlife regarding the Texas Water Trust.



6

Texas Water Development Board

8. Round 6 Update

- Link to the Sixth Cycle of Regional Water Planning page:
- <http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/index.asp>



7

Texas Water Development Board

9. Pre-Planning Meeting

- Planning groups will identify water management strategies that would develop or use a water resource in another region or may otherwise impact the region of origin; from the identified strategies, the RWPG should determine which may create opportunities for further collaboration and cooperation or may create potential for interregional conflicts; the RWPG should begin discussing a course of action for coordinating with the other RWPG(s) in the supplying or receiving region(s) to discuss potential opportunities for collaboration or potential conflicts. Take appropriate action.



8

Item 8

Report from consultant team



PLUMMER



9

Agenda

- Schedule
- Educational Presentation – Water Demand



10

Water Demand Methodology



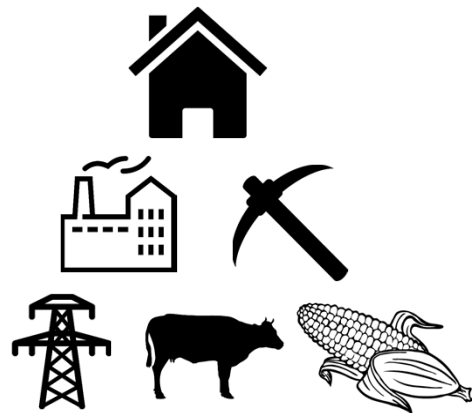
13

Water Demand

Six Categories in Water Planning

1. Municipal
2. Manufacturing
3. Mining
4. Steam Electric Power
5. Livestock
6. Irrigation

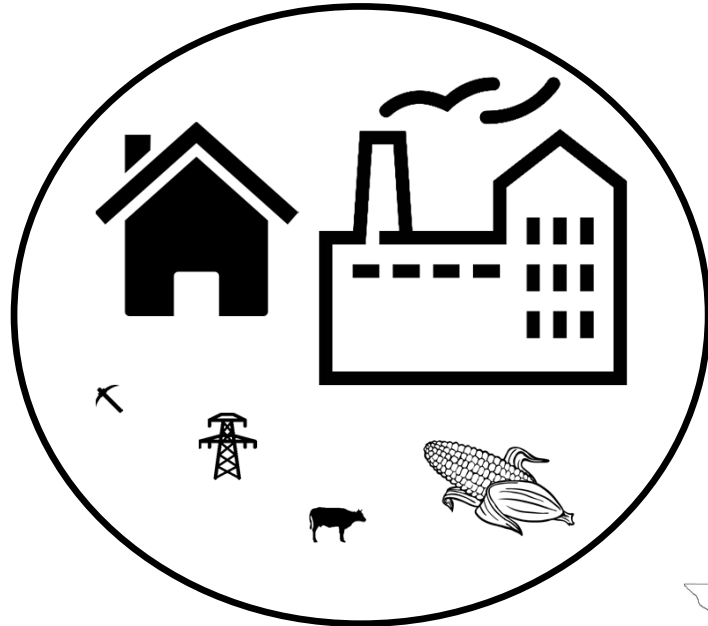
Non-Municipal



14

Previous Region I Water Demands

Category	2020
Municipal	26%
Manufacturing	41%
Mining	4%
Steam Electric Power	9%
Livestock	6%
Irrigation	13%



15

Municipal Demand

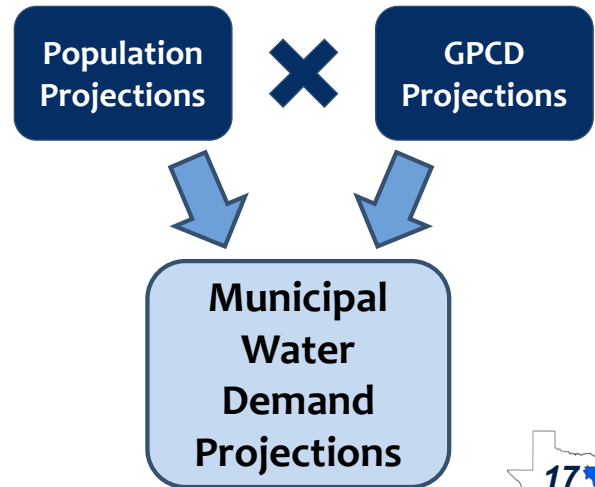
- Utilities that provide more than **100 acre feet per year (AFY)** are defined as **“Water User Groups” (WUGs)**.
- Utilities that provide **less than 100 AFY** are lumped into **“County-Other”** for the county where the utility resides.
- In the 2021 Region I water plan, there were **203 WUGs** over 20 counties.



16

Municipal Demand

- Municipal water demand projections for each WUG are developed by multiplying population projections by gallon per capita per day (GPCD) projections.

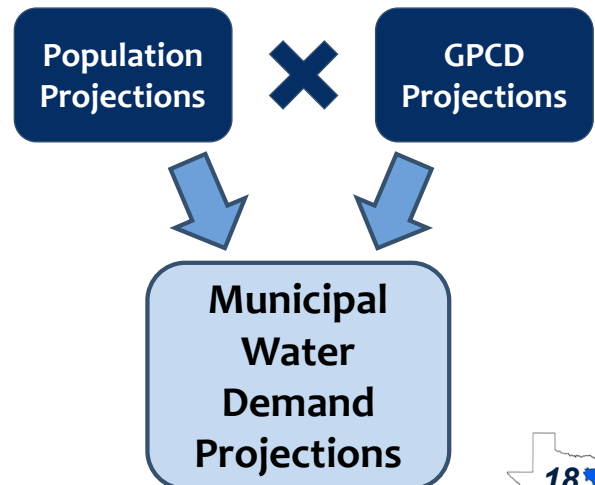


Municipal Demand

- Example from 2021 Water Plan:

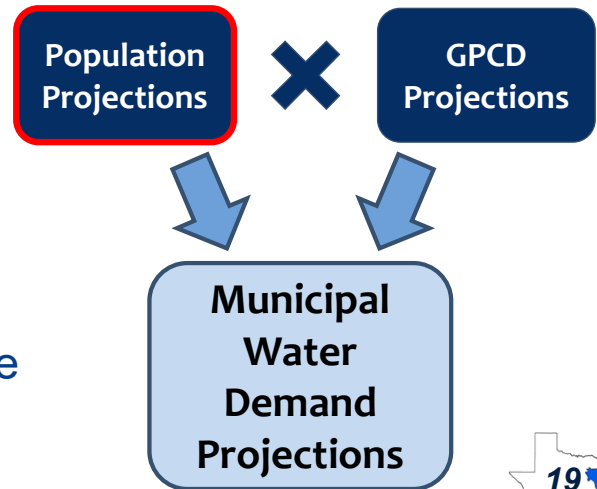
City of Nacogdoches

Year	Pop.	GPCD	Water Demand (AFY)
2020	37,580	163	6,868
2030	42,218	159	7,514
2040	46,790	156	8,177
2050	51,655	155	8,945
2060	56,802	154	9,818
2070	62,183	154	10,742



Population Projections

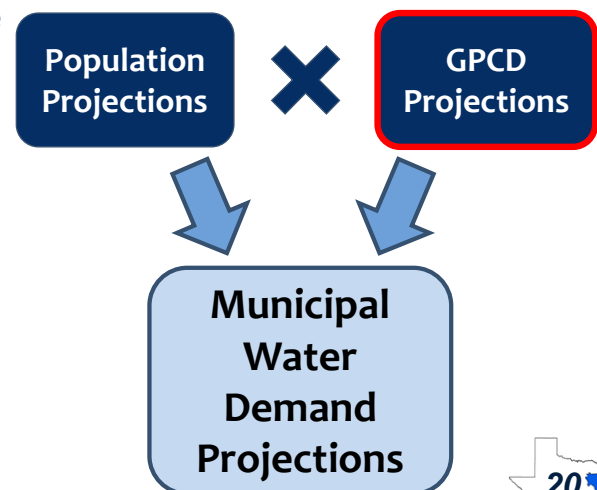
- The previous plan relied on 2010 Census data.
- Projections were developed by the Texas State Data Center / Office of the State Demographer.
- This current plan will incorporate 2020 Census data.



19

GPCD Projections

- “Base GPCD” is each entity’s 2011 GPCD calculated from the annual water use survey.
 - 2011 was the worst single-year drought on record.
- GPCD projections take water efficiency savings into account.



20

Water Demand Projections

- TWDB will release draft municipal population and water demand projections in February 2023.
- The Planning Group will have input in the projections during the process.



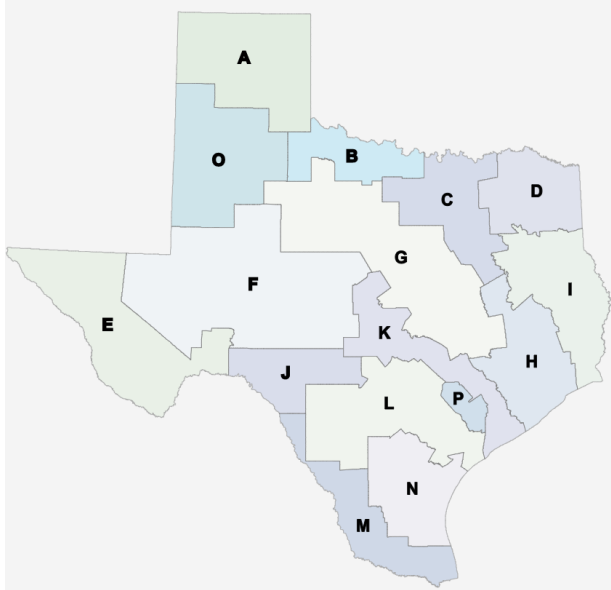
21

Item 10 Interregional Coordination



22

Interregional Coordination



- The Interregional Planning Council recommended that planning groups discuss how to promote interregional coordination early in the 6th Cycle planning process.



23

Interregional Coordination Goals

1. Identify processes for promoting coordination with other regions regarding water management strategies during development of the 2026 Plan.
2. Identify water management strategies which may create opportunities for collaboration with other regions.
3. Discuss course of action for coordination with other regions.



24

Interregional Water Strategies

There were 35 interregional Water Management Strategies (WMS) identified in the 5th cycle plans which involve other regions. Seven of them benefit Region I.

- 3 sponsored by Region A
- 19 sponsored by Region C (**5 benefit Region I**)
- 4 sponsored by Region F
- 2 sponsored by Region G
- **2 sponsored by Region I**
- 1 sponsored by Region K
- 4 sponsored by Region L



Interregional Water Strategies

Region I entities would benefit from **seven** water management strategies listed in the 2021 Regional Plans

Sponsor Region	Sponsor	Project	Benefiting Regions
C	TRWD	Cedar Creek and Richland Chambers	C, D, G, I
C	TRWD	Carrizo-Wilcox Groundwater	C, D, G, I
C	TRWD	Tehuacana	C, D, G, I
C	TRWD	Unallocated Supply Utilization	C, D, G, I
C	TRWD	Wright Patman Reallocation	C, D, G, I
I	ANRA	Lake Columbia	C, I
I	City of Tyler	Lake Palestine	D, I



Potential Actions to Discuss

1. Involve liaisons from neighboring regions in the Region I planning group meetings. Identify individuals from the Region I group to attend neighboring planning group meetings.
2. Form a committee to meet with neighboring planning groups and their representatives.
3. Authorize planning group administrators or technical consultants to meet with neighboring regions.



27

Questions?

Cynthia Syvarth

csyvarth@plummer.com

512.687.2185

Dexter May

dmay@plummer.com

817.806.1777



PLUMMER



28