

October 9, 2017

Donna Deal  
WUG Representative  
City of Grapeland  
PO Box 567  
Grapeland, TX 75844-0567

Subject: East Texas Regional Water Planning Area  
Population, Municipal Water Demand, and Water Source Projections

Dear Ms. Deal:

The Water User Group (WUG) City of Grapeland is located within the water planning region known as the East Texas Regional Water Planning Area (ETRWPA, or Region I). The East Texas Regional Water Planning Group (ETRWPG) is in the process of updating the regional water plan for the ETRWPA to be adopted in 2021. For information about the ETRWPG or to see the schedule of upcoming meetings, please visit [www.etexwaterplan.org](http://www.etexwaterplan.org).

The Texas Water Development Board (TWDB) has developed draft projections for the population and annual municipal water demands for your WUG, which can be found online at [www.twdb.texas.gov](http://www.twdb.texas.gov). For your consideration, please review the following tables, which summarize population (Table 1), municipal water demand (Table 2), and water source (Table 3) projections for the City of Grapeland. These tables are derived from the TWDB draft projections referenced above.

**Table 1 - City of Grapeland Population by Decade**

Water User Group	2020	2030	2040	2050	2060	2070
City of Grapeland	1519	1527	1528	1528	1528	1528

**Table 2 – City of Grapeland Water Demand Projections by Decade**

Projection Type	Base GPCD (2011)	2020	2030	2040	2050	2060	2070
Water Use (GPCD) <sup>1</sup>	133	124	119	116	115	114	114
Municipal Demands (af/yr) <sup>2</sup>	---	211	205	200	197	196	196

<sup>1</sup> Water use values have been back-calculated from published TWDB population and water demand projections.

<sup>2</sup> Water demand projections are measured in acre-feet per year (af/yr) and include 2011 per capita water use, measured in gallons per capita per day (GPCD). For discussion of per capita water use calculation,



*please refer to the “Draft Population and Municipal Water Demand Projections Methodology for the 2021 Regional Water Plans” document on the TWDB website.*

**Table 3 –2016 Regional Water Plan Water Sources for the City of Grapeland**

Source Region   Name   County (Seller WUG, if applicable)
I   CARRIZO-WILCOX AQUIFER   HOUSTON
I   HOUSTON COUNTY LAKE/RESERVOIR (HOUSTON COUNTY WCID #1)

- Are the population projections in Table 1 accurate for your WUG?
- Do you believe the water use (GPCD) projections in Table 2 to be reasonable?
- Do you agree with the municipal water demand projections that have been developed?
- Do your current water sources match with the sources in Table 3?
- Do you have a water plan developed or updated since January 2015?

If you do not agree with the draft projections or water sources, or would like additional information about this request, we want to hear from you as soon as possible. Please see contact information below.

The ETRWPG will be considering these projections at its November 15, 2017 meeting. If we do not hear otherwise from you, the draft projections and water source information will be accepted for purposes of the regional water plan update to be adopted in 2021.

In addition, for applicable entities, do you have water conservation plans or drought contingency plans developed or updated since January 2015? Please note that plan updates for applicable entities are due May 1, 2019 to the TWDB and the Texas Commission on Environmental Quality. Please let your consultant team representative know if you have any questions about preparing water conservation plans or drought contingency plans.

Your ETRWPG consultant team representative is:

Rex Hunt, P.E.  
rhunt@apaienv.com  
Phone: (512) 452-5905  
Fax: (512) 452-2325

Alan Plummer Associates, Inc.  
6300 La Calma Drive, Suite 400  
Austin, TX 78752-3825

The ETRWPG will provide ongoing updates of the regional water planning process in this cycle. In the meantime, please send any comments or questions to your ETRWPG consultant team representative. Thank you for taking time to review this information.



Yours very truly,

A handwritten signature in black ink, appearing to read 'K. Holcomb'.

Kelley Holcomb, Chair  
East Texas Regional Water Planning Group

Enclosure: Projection Criteria for Adjustment and Data Requirements

cc: Ms. Stacy Corley, City Secretary, City of Nacogdoches  
Rex Hunt, Alan Plummer Associates, Inc.  
Spandana Tummuri, Freese and Nichols, Inc.