

October 9, 2017

Jimmie Johnson Phd
WUG Representative
City of Port Arthur
PO Box 1089
Port Arthur, TX 77641-1089

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

Dear Mr. Johnson Phd:

The Water User Group (WUG) City of Port Arthur 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.

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. 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 Port Arthur. These tables are derived from the TWDB draft projections referenced above.

Table 1 - City of Port Arthur Population by Decade

Water User Group	2020	2030	2040	2050	2060	2070
City of Port Arthur	55393	56090	56090	56090	56090	56090

Table 2 – City of Port Arthur Water Demand Projections by Decade

Projection Type	Base GPCD (2011)	2020	2030	2040	2050	2060	2070
Water Use (GPCD) ¹	320	309	305	302	301	301	301
Municipal Demands (af/yr) ²	---	19234	19205	18984	18939	18920	18919

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

² 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 Port Arthur

Source Region Name County (Seller WUG, if applicable)
I SAM RAYBURN-STEINHAGEN LAKE/RESERVOIR SYSTEM (LOWER NECHES VALLEY AUTHORITY)

- 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:

Spandana Tummuri, PhD, PE, ENV SP spandana.tummuri@freese.com Phone: (817) 735-7520 Fax: (817) 735-7491	Freese and Nichols, Inc. 10497 Town and Country Way, Ste 600 Houston, TX 77024
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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.