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## **1. INTRODUCTION AND OBJECTIVES**

The purpose of this Drought Contingency and Emergency Water Management Plan (subsequently referred to as the Plan) is as follows:

- To conserve the available water supply in times of drought and emergency
- To maintain supplies for domestic water use, sanitation, and fire protection
- To protect and preserve public health, welfare, and safety
- To minimize the adverse impacts of water supply shortages
- To minimize the adverse impacts of emergency water supply conditions.

## **2. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY RULES**

TCEQ rule Title 30, Part 1, Chapter 288, Subchapter A, Rule 288.1 (4) defines a drought contingency plan as “a strategy or combination of strategies for temporary supply and demand management responses to temporary and potentially recurring water supply shortages and other water supply emergencies.”

TCEQ rules governing development of and minimum requirements for drought contingency plans for municipal water suppliers and wholesale water suppliers are contained in Texas Administrative Code Title 30, Part 1, Chapter 288, Subchapter B, Rule 288.20 and Rule 288.22, respectively.

## **3. WATER SYSTEM PROFILE**

The City purchases water from the Tarrant Regional Water District (TRWD). The supply sources are:

- West Fork of Trinity River: Lake Worth, Eagle Mountain Lake, and Lake Bridgeport; (A pipeline connecting Eagle Mountain Lake to the East Texas supply is under construction.)
- East Texas: Cedar Creek Reservoir, located approximately 75 miles southeast of Fort Worth; and Richland Chambers Reservoir, located approximately 75 miles southeast of Fort Worth; and
- Clear Fork of the Trinity River via Lake Benbrook. (A pipeline connects Lake Benbrook to the East Texas Supply.)

System capacity with regards to the defined triggers in Section 4.4 is the total reliable pumping capacity is found in Appendix A. Therefore, the system capacity baseline for triggers is the reliable delivery capacity of 460 million gallons per day (MGD). See Appendix A for more details of the yields of each of the treatment plants. This trigger number will be evaluated each year to take into consideration improvements that may have been added to the system.

Fort Worth has about 217, 000 retail service connections and 29 wholesale water customers. Wholesale customers are Benbrook Water & Sewer Authority, Bethesda Water Supply Corp., Burleson, Crowley, Dallas/Fort Worth International Airport, Dalworthington Gardens, Edgecliff Village, Everman, Forest Hill, Grand Prairie, Haltom City, Haslet, Hurst, Keller, Lake Worth, Northlake, North Richland Hills, Richland Hills, River Oaks, Roanoke, Saginaw, Sansom Park, Southlake, Trinity River Authority - Mosier Valley, Trophy Club Municipal Utility District, Westlake, Westover Hills, Westworth Village and White Settlement. Some of these customers have emergency contracts only and do not take from the Fort Worth system on a regular basis.

In accordance with Section 2.3 of the wholesale water contract, wholesale customers are required to institute and apply the same rationing, conservation measures or restrictions to the use of water by their customers for so long as any part of their total water supply is being furnished by Fort Worth.

Fort Worth maintains about 3,200 miles of distribution pipelines.

The water supply triggers defined in Section 4.4 were provided to Fort Worth by its water supplier, Tarrant Regional Water District. TRWD selected its triggers after hiring an outside consultant to evaluate where the triggers levels should be for the drought plan to achieve meaningful water savings.

## **4. DROUGHT CONTINGENCY/EMERGENCY WATER MANAGEMENT PLAN**

### **4.1 Public Involvement**

The public had several opportunities to provide input into the plan.

- A public meeting soliciting comments was held on Dec. 10, 2007. The meeting was advertised on the city Web site, on City Page in the Fort Worth Star-Telegram, through news releases to the news media and neighborhood associations, and in handouts at public events.
- The Fort Worth Water Department's Water Conservation Advisory Committee discussed the draft plan's provisions and provided feedback during its June 21, 2007 meeting and was provided a copy for review and comments prior to the public meeting on Dec. 10, 2007.
- The draft plan was posted on the City of Fort Worth Web site ([www.fortworthgov.org/water](http://www.fortworthgov.org/water)) for four months prior to City Council adoption.
- Copies were available to anyone upon request.

















































































