#### Retail and Wholesale Requirements for Water Conservation & Drought Contingency Plans



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## Retail Public Water Supplier



An individual or entity that <u>for</u> <u>compensation</u> supplies water <u>to the</u> <u>public</u> for human consumption

## Wholesale Public Water Supplier



An individual or entity that <u>for</u> <u>compensation</u> supplies water to another for <u>resale to the public</u> for human consumption

#### Water Conservation Plan



A strategy or combination of strategies for reducing the volume of water withdrawn from a water supply source, for reducing the loss or waste of water, for maintaining or improving the efficiency in the use of water, for increasing the recycling and reuse of water, and for preventing the pollution of water

## **Drought Contingency Plan**



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

## 30 TAC Chapter 288



Retail Public Water Suppliers
Water Conservation – §288.2
Drought Contingency – §288.20

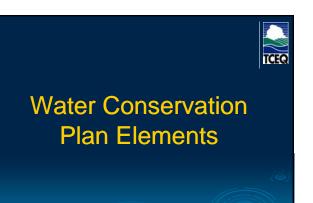
Wholesale Public Water Suppliers
Water Conservation – §288.5
Drought Contingency – §288.22



## **Required Submittals**



- **★Every 5 years for** 
  - Non-irrigation (municipal and industrial) water rights holders of 1,000 acre-feet or more and
  - Irrigation water rights holders of 10.000 acre-feet or more
- ★Implementation reports are required to be submitted with required WCPs



## **System Inventory**



- \*population and customer data
- \*water use data
- ★water supply system data
- ⋆wastewater system data

# Specific, quantified five-year and ten-year targets



#### Retail

- goals for water loss programs
- goals for municipal use (gpcd)

#### Wholesale

- target goals for municipal use (gpcd)
- maximum acceptable unaccounted-for
- the basis for the development of these goals

### **Diversions from the Source**



#### Retail

metering device(s), within an accuracy of plus or minus 5.0%

#### Wholesale

description as to which practice(s) and/or device(s) will be utilized

#### **Deliveries of Water**



#### Retail

- program for universal metering of both customer and public uses of water, for meter testing and repair, and for periodic meter replacement
- measures to determine and control unaccounted-for uses of water

#### Deliveries of Water cont.



#### Wholesale

- a monitoring and record management program for determining water deliveries, sales, and losses
- a program of metering and leak detection and repair for the wholesaler's water storage, delivery, and distribution system

### Additional Retail Requirements



- ⋆a program of continuing public education and information regarding water conservation
- ★a water rate structure which is not "promotional"

## Additional Wholesale Requirement



\* a requirement in every water supply contract entered into or renewed after official adoption of the water conservation plan, and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements of this chapter

## Means for implementation and enforcement



- ⋆Ordinance
- **★**Resolution
- **★**Tariff

## **Best Management Practices**



- \*A BMP is structured for delivering a conservation measure or series of measures that is:
  - Useful
  - Proven
  - Cost effective
  - · Generally accepted

#### **BMP Guide**



- ★The result of the work by the Texas Water Conservation Task Force
- ⋆Texas Water Development Board Report 362
- \*Link: http://www.twdb.state.tx.us/assistanc e/conservation/TaskForceDocs/WCIT FBMPGuide.pdf

## **Best Management Practices**



- ★Each BMP structure has several elements that:
  - Describe the efficiency measures
  - Implementation techniques
  - · Schedule of implementation
  - Scope
  - Costs considerations
  - · References to assist end users

## **BMP Examples**



- **★System Water Audit and Water Loss**
- ★Water Conservation Pricing
- ★ Prohibition on Wasting Water
- ★Residiential Toilet Replacement Programs
- **★School Education**
- ⋆Public Information

## DROUGHT CONTINGENCY PLANS

## **Required Submittals**



- ★Review every 5 years
- **★**Update as necessary
- ★Required for ALL Retail & Wholesale providers
- ★Submit to TCEQ every 5 years if entity

provides Wholesale Service has >3,300 retail connections



Drought Contingency
Plan Elements

## Public/User Input



Preparation of the plan shall include provisions to actively inform the public and affirmatively provide opportunity for public/user input

## **Ongoing Education**



#### Retail

Provisions shall be made for a program of continuing public education and information regarding the drought contingency plan

#### Wholesale

Provisions for informing wholesale customers about the plan

## Initiation/Termination of Drought Response Stages



#### Retail

procedures for notification of the public

#### Wholesale

procedures for notification of wholesale customers

### **Triggers**



The drought contingency plan must include:

- a description of the information to be monitored by the water supplier
- specific criteria for the initiation and termination of drought response stages
- an explanation of the rationale or basis for such triggering criteria

## **Retail Triggers**



- ⋆reduction in available water supply up to a repeat of the drought of record
- water production or distribution system limitations
- **★** supply source contamination
- \*system outage due to the failure or damage of major water system components

## Wholesale Triggers



A minimum of three drought or emergency response stages providing for the implementation of measures in response to water supply conditions during a repeat of the drought-of-record

## Specific, Quantified Targets



The drought contingency plan must include specific, quantified targets for water use reductions to be achieved during periods of water shortage and drought

### **Supply/Demand Management**



- \* Retail
  - curtailment of non-essential water uses
  - utilization of alternative water sources and/or alternative delivery mechanisms
- **★** Wholesale
  - pro rata curtailment of water deliveries to or diversions by wholesale water customers as provided in Texas Water Code, §11.039 utilization of alternative water sources

#### **Variances**



The drought contingency plan must include procedures for granting variances to the plan

#### Wholesale Contracts



The drought contingency plan must include a provision in every wholesale water contract entered into or renewed after adoption of the plan, including contract extensions, that in case of a shortage of water resulting from drought, the water to be distributed shall be divided in accordance with Texas Water Code, §11.039

## Means for implementation and enforcement



- **★Ordinance**
- **★**Resolution
- **★**Tariff



COORDINATION WITH REGIONAL WATER PLANNING GROUPS

#### Conclusions



The rule requirements are similar for retail and wholesale providers

'however'

The approach to planning is very different between retail and wholesale providers

#### **Conclusions**



Incorporating BMPs into Water Conservation Plans can:

- Maximize the effectiveness of the plans
- Allow for more accurate measurement and reporting of implementation progress

## **CONTACT**



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