Texas Commission on Environmental Quality

Water Availability Division
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System Inventory and Water Conservation Plan for Agricultural Water Suppliers Providing Water to More Than One User

This form is provided to assist entities in developing a water conservation plan for agricultural water suppliers providing water to more than one user. If you need assistance in completing this form or in developing your plan, please contact the Conservation staff of the Resource Protection Team in the Water Availability Division at (512) 239-4691.

Additional resources such as best management practices (BMPs) are available on the Texas Water Development Board's website http://www.twdb.texas.gov/conservation/BMPs/index.asp. The practices are broken out into sectors such as Agriculture, Commercial and Institutional, Industrial, Municipal and Wholesale. BMPs are voluntary measures that water users use to develop the required components of Title 30, Texas Administrative Code, Chapter 288. BMPs can also be implemented in addition to the rule requirements to achieve water conservation goals.

Contact Information

Name: _____

Address: _____

Telephone Number: ( ) _____ Fax: ( ) _____

Form Completed By: _____

Title: _____

Signature: _____ Date: / /

A water conservation plan for agriculture use (for a system providing agricultural water to more than one user) must include the following requirements (as detailed in 30 TAC Section 288.4). If the plan does not provide information for each requirement, you must include in the plan an explanation of why the requirement is not applicable.

I. BACKGROUND DATA

A. Structural Facilities (Supplier's water storage, conveyance, and delivery structures)

1. Description of service area:

2. Total miles of main canals and pipelines:

3. Total miles of lateral canals and pipelines:

4. Description of canal construction:
    a. Miles of unlined canals
    b. Miles of lined canals
    c. Miles of enclosed pipelines
    d. Other
5. Description of canal conditions and recent or planned improvements:

6. Reservoir capacity, if applicable:

7. Description of pumps and pumping stations:

8. Description of meters and/or measuring devices:

9. Description of customer gates and measuring devices:

10. Description of any other structural facilities not covered above:

B. Management Practices

1. Total water available to district (in acre-feet/year):
    a. Maximum water rights allocation to district:
    b. Water right number(s):
    c. Other water contracted to be delivered by district:

2. Average annual water diverted by district (in acre-feet/year):
3. Average annual water delivered to customers (in acre-feet/year):
4. Delivery efficiency (percentage):

5. Historical diversion and deliveries for the previous three years (in acre-feet/year):

Year	*Total Water Diverted Annually*	*Irrigation Water Delivered Annually*	*Municipal Water Delivered Annually*	*Total Water Delivered Annually*	*Estimated Delivery Efficiency (%)*
Average					

6. Description of practices and/or devices used to account for water deliveries:

7. Water pricing policy:

8. Operating rules and policies which encourage water conservation (if a separate document, include it as an attachment to the Water Conservation Plan):

9. Provide specific, quantified 5-year and 10-year targets for water savings below in 9(a) and 9(b), including maximum allowable losses for the storage and distribution system. Water savings may be represented in acre-feet or in water use efficiency.

   Quantified 5-year and 10-year targets for water savings:

   a. 5-year goal:
   Savings in acre-feet or system efficiency as a percentage %

   b. 10-year goal:
   Savings in acre-feet or system efficiency as a percentage %

   (Examples of Typical Efficiencies for Various Types of Irrigation Systems – Surface: 50-80%; Sprinkler: 70-85%; LEPA: 80-90%; Micro-irrigation: 85-95%)

10. Describe the practice(s) and/or device(s) which will be utilized to measure and account for the amount of water diverted from the source(s) of supply:

11. Describe the monitoring and record management program for water deliveries, sales, and losses:

12. Describe any programs that will be used for water loss control, leak detection, and repair:

13. Describe any program for customer assistance in the development of on-farm water conservation and pollution prevention plans and/or measures:

14. Describe any other water conservation practice, method, or technique which the supplier shows to be appropriate for achieving conservation (if applicable):

C. User profile

1. Total number of acres or square miles in service area:
2. Average number of acres irrigated annually:
3. Projected number of acres to be irrigated in 10 years:
4. Number of active customers taking delivery of water by the system:
5. Total irrigation water delivered annually (in acre-feet):
6. Types of crops grown by customers:
7. Types of irrigation systems used by customers:
8. Types of drainage systems used by customers:
9. Any additional relevant information on irrigation customers:
10. List of municipal customers and number of acre-feet allocated annually:
11. List of industrial and other large customers and number of acre-feet allocated annually:

D. Additional Requirements

In addition to the above information, please attach the following as required by Title 30, Texas Administrative Code, §288.4(3).

1. A requirement in every wholesale water supply contract entered into or renewed after official adoption of the plan (by either ordinance, resolution, or tariff), 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 in 30 TAC Chapter 288. If the customer intends to resell the water, then the contract between the initial supplier and customer must provide that the contract for the resale of the water must have water conservation requirements so that each successive customer in the resale of the water will be required to implement water conservation measures in accordance with applicable provisions of 30 TAC Chapter 288.

2. Evidence of official adoption of the water conservation plan and goals, by ordinance, rule, resolution, or tariff, indicating that the plan reflects official policy of the supplier.

3. Documentation of coordination with the Regional Water Planning Group(s) in order to ensure consistency with the appropriate approved regional water plan(s).

II. Water Conservation Plans submitted with a Water Right Application for New or Additional State Water

Water Conservation Plans submitted with a water right application for New or Additional State Water must include data and information which:

1. support the applicant's proposed use of water with consideration of the water conservation goals of the water conservation plan;

2. evaluates conservation as an alternative to the proposed appropriation; and

3. evaluates any other feasible alternative to new water development including, but not limited to, waste prevention, recycling and reuse, water transfer and marketing, regionalization, and optimum water management practices and procedures.

Additionally, it shall be the burden of proof of the applicant to demonstrate that no feasible alternative to the proposed appropriation exists and that the requested amount of appropriation is necessary and reasonable for the proposed use.