IDENTIFYING WATER CONSERVATION TARGETS AND GOALS

IDENTIFYING TARGETS AND GOALS - TOTAL GPCD

- Determining total GPCD is helpful in establishing water-use benchmarks and evaluating conservation measure effectiveness within your utility.
- To calculate total GPCD you must know your entity's total system input and the permanent population of your service area.
  - Total system input (TSI) is calculated by adding the water produced to any imported water minus any exported water.
    - (TSI = Produced + Imported – Exported)

IDENTIFYING TARGETS AND GOALS - TOTAL GPCD

- Once you have calculated your Total System Input (TSI) you must divide that total by your permanent population and then divide by 365 to get your total GPCD.
  - (GPCD = TSI ÷ Permanent Population ÷ 365)

IDENTIFYING TARGETS AND GOALS – WATER LOSS

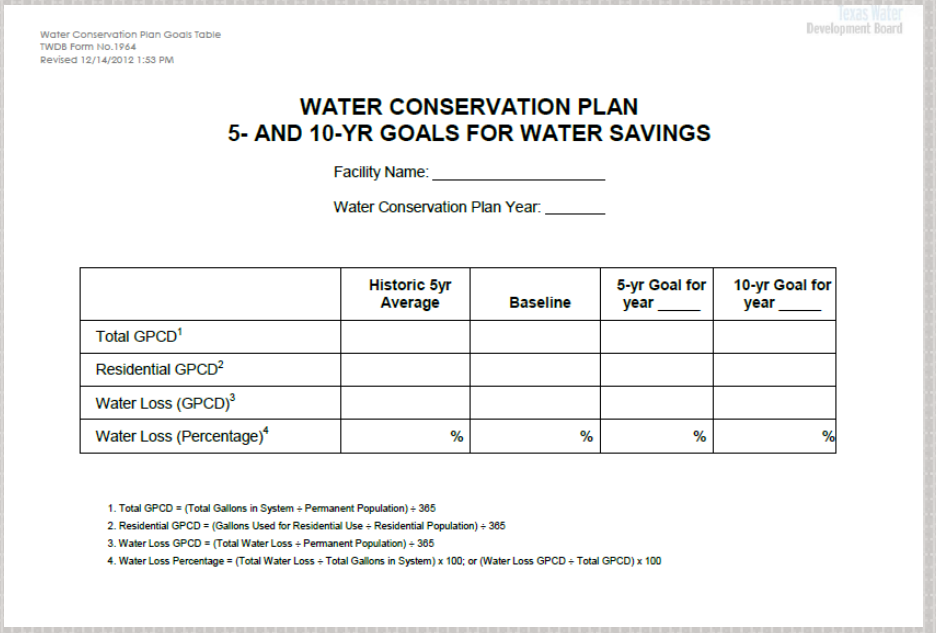
- An annual water loss audit is the best way to determine your entity's baseline and is mandatory for entities receiving financial assistance from TWDB. An annual water loss audit is recommended for all other entities.
- It is mandatory for all retail water providers to perform a water loss audit every five years.
- For more information on water loss auditing, refer to the Water Loss Audit Manual for Texas Utilities.

IDENTIFYING TARGETS AND GOALS

- Once a baseline has been identified you can determine appropriate goals for water conservation and loss prevention for 5 and 10 years into the future.
- Remember, identifying future targets and goals is a required part of the Water Conservation Plan and is the foundation for reducing the loss or waste of water, improving water use efficiency, and for increasing the reuse of water.

IDENTIFYING TARGETS AND GOALS

- To assist you in explaining your targets and goals in your Water Conservation Plan, use TWDB's Form 1964 - Water Conservation Plan 5- and 10-Year Goals For Water Savings
- To access this form go to: http://www.twdb.texas.gov/conservation/municipal/plans/doc/GoalsTableForm.pdf.



Water Conservation Plan Goals Table
TWDB Form No.1964
Revised 12/14/2012 1:53 PM

Texas Water Development Board

WATER CONSERVATION PLAN
5- AND 10-YR GOALS FOR WATER SAVINGS

Facility Name: _____

Water Conservation Plan Year: _____

	Historic 5yr Average	Baseline	5-yr Goal for year _____	10-yr Goal for year _____
Total GPCD[1]				
Residential GPCD[2]				
Water Loss (GPCD)[3]				
Water Loss (Percentage)[4]	%	%	%	%

1. Total GPCD = (Total Gallons in System ÷ Permanent Population) ÷ 365
2. Residential GPCD = (Gallons Used for Residential Use ÷ Residential Population) ÷ 365
3. Water Loss GPCD = (Total Water Loss ÷ Permanent Population) ÷ 365
4. Water Loss Percentage = (Total Water Loss ÷ Total Gallons in System) x 100; or (Water Loss GPCD ÷ Total GPCD) x 100

For additional help, contact:

TWDB MUNICIPAL CONSERVATION:

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