



**WATER CONSERVATION PLAN SUMMARY**  
(approved April 29, 2009, as amended September 1, 2009)

**GENERAL INFORMATION:**

- Canyon Reservoir – 8,200 surface acres -- Impounds 378,852 acre feet
- Conservation Pool – Between 800' mean sea level (msl) and elevation of 909' msl.
- Corps responsible for management within flood pool, between 909' and 943' msl.
- GBRA's TCEQ issued water rights authorizes GBRA to divert a five-year average of 90,000 acre feet/year of stored water from Canyon Reservoir to supply contractual water users.
- Drought of Record -- 1947-1956

**GOALS**

- Develop water conservation plans and drought contingency plans for each city in the district with a population of 5,000 or more and for each major customer (100 acre feet or more) of stored water from Canyon Reservoir.
- Achieve a per capita water use of 150 gpd for all municipal customers that use water from storage in Canyon Reservoir by the year 2014 and 147 gpd by the year 2019.
- Utilize the "averaging concept" in the commitment of water in order to stretch the supply of stored water.
- Work with systems to develop water supplies based on a firm yield.
- Develop criteria for use of reuse water for golf courses and residential purposes.
- Establish criteria for increased metering to track and manage water supplies.
- Maximum acceptable unaccounted for water of 15% or less by the year 2014 and 15% or less by the year 2019.

**STAGE 1: 895' msl (274,800 ac/ft or approximately 72.5% full)**

Voluntary water conservation measures will be implemented whenever:

1. There is a curtailment in interruptible water supplies; or
2. The total storage in Canyon Reservoir is less than elevation 895' (274,800 acre feet or approximately 72.5% full).

At such time, GBRA will implement an aggressive public information campaign to provide up-to-date information on water supply conditions and promote voluntary action to conserve water.

**STAGE 2: 890' msl (242,872 ac/ft or approximately 64% full)**

GBRA will further encourage the firm water customers to reduce water use whenever the total storage in Canyon Reservoir is at or below elevation 890' msl (242,872 acre feet or approximately 64% full). To implement end-user water demand reductions may require mandatory water use restrictions be imposed on end-users by firm water wholesale customers themselves. GBRA will investigate alternative incentive policies, including use of special water pricing incentives to participating wholesale water customers.

**STAGE 3: 885' msl (213,386 ac/ft or approximately 56% full)**

GBRA will further encourage the firm water customers to reduce water use whenever the total storage in Canyon Reservoir is at or below elevation 885' msl (213,386 acre feet or approximately 56% full). Stage 2 efforts to reduce water demands will be pursued more aggressively by GBRA.

**STAGE 4:**

Implementation of the mandatory curtailments of firm water demands will occur whenever the river system is experiencing a drought more severe than the Drought of Record. During a drought more severe than the Drought of Record, GBRA will curtail and distribute the available supply of firm water among all of its firm water supply customers on a pro rata basis in accordance with its Drought Contingency Plan.