

Curtailment Stages

Banks has three (3) stages of water alerts; Mild, Moderate and Critical. Tables 4.1 - 4.3 outline the stages of alert, the action that triggers the alert, the goal of implementing the alert, and the measures by which the alert or implementation of actions can be measured to meet the stated goal(s).

Stage One - Mild Curtailment			
Stage	Triggers	Goals	Measures
One	1) Available drawdown in Well 2 drops below 40 ft -OR-	Reduce peak water demand by 15%	Request all commercial and high-volume residential landscape irrigation customers to curtail all outdoor water use by 50%. A high-volume residential customer is defined as any residential customer using more than 1400 cubic feet of water per month, which is twice the average home in Banks.
	2) Level in Carsten Reservoirs drops below 21 ft and cannot be refilled within 24-hours		Establish alternate day irrigation schedules for City schools, parks and green spaces.
			Issue notice to public requesting all users to voluntarily conserve water.

Stage Two - Moderate Curtailment			
Stage	Triggers	Goals	Measures
Two	1) Carsten Reservoirs water level is drawn down to 20 Feet and cannot be filled by available production within 24 Hours. -OR-	Reduce peak water demand by 30%	Mandate commercial and high-volume residential landscape irrigation customers to curtail all outdoor water use by 50%.
	2) Well 2 pumping water level is drawn down to the "20 Feet above sensor" reading in Well 2. (A water level of 260 Feet bgs or Elev. -28 Feet). -OR-		Mandate that other users limit outdoor water use per the following steps: <ul style="list-style-type: none"> • Unattended outdoor irrigation of turf and plants limited to the period between 8:00 P.M. and 9:00 A.M. • Limit the length of time that unattended irrigation can occur in each sprinkler zone to 10 minutes per day. • Eliminate all irrigation for City schools, parks and green spaces. • Limit residential irrigation by 50%. This may be achieved by reducing irrigation times by 50% or by instituting an every-other-day irrigation schedule. • Prohibit home washing of cars or hosing down of patios, walkways, and other surfaces.
	3) Short-term loss of well due to breakdown or other disruption with an anticipated repair/recovery of greater > 48 Hours and a Carsten Reservoir level below 21 Feet for a period of 24 Hours.		1

Stage Three - Critical Curtailment			
Stage	Triggers	Goals	Measures
Three	1) Carsten Reservoirs water level is drawn down to 17 Feet and cannot be filled by available production with 24 Hours. -OR-	Reduce peak water demand by 60%	Order suspension of all outdoor water use and curtail indoor use to limit all customers to uses for public health and preparation of food.
	2) Long-term (>3 Day) service disruption of the groundwater source and a Carsten Reservoir level below 21 Feet.		

Enforcement

Curtailment requests for reduction of water are supported by a public information program aimed at educating the community about water use so they may understand how modifying their habits can affect water consumption. When issuing a notice to the public, Banks provides examples of ways to conserve water. For example, the public notification for a First Stage condition is aimed at outdoor uses. These uses can form a significant proportion of summer residential use and tend to be more discretionary in nature.

Specific conservation measures that are recommended in the notice include the following:

- no landscape irrigation during daylight hours to reduce evaporation,
- limit length of time irrigation system is on to reduce waste from runoff and over watering,
- landscape irrigation no more than three days per week and,
- no home washing of cars or hosing down of patios, walkways, and other surfaces.

Public notification procedures to communicate water curtailment measures should be defined in advance. Press releases through radio, newspaper, and television should be utilized to reach the entire community. Door hangers should also be purchased in advance so that in an emergency all customers can be notified directly and quickly. These measures are further supported by the public information program that provides guidance and suggestions on water conservation (see Section 3.8).

Banks has developed many city ordinances that encourage or prescribe water conservation by the public, all of which can be found on the City's webpage. Current conservation ordinances, which are contained under Title V, Chapter 50 of the Banks Code of Ordinances include:

- The adoption of a policy favoring the use of xeric, low water demand landscaping in all private and public projects (§50.01H)
- Metering of all connections to the City water system as installed and maintained by authorized Water Department personnel (§50.08B)
- Requiring all water uses with an unusually high demand (filling of pools, ponds, etc.) must be arranged with and approved by the City (§50.14)
- The prohibition of any free water service (§50.21)
- The definition of a three-stage water curtailment plan as described in detail in section 4.3 (§50.23)
- The definition of an irrigation season, irrigation regulations, and irrigation prohibitions (§50.24)

Enforcement of these various conservation ordinances is also defined. The first known offense of a water use provision will result in the issuance of a warning to the responsible water user and/or property owner. If the water user fails to address and correct the violation, then the City issues a citation and may fine the water user up to \$500 (§50.24B).