

WATER CONSERVATION  
AND  
DROUGHT CONTINGENCY  
PLAN



SALADO WATER SUPPLY CORPORATION

*Committed to Providing Clean, Safe Water for All Our Residents*

MARCH 2023

Salado WSC

410 Salado Plaza Drive

Salado, TX 76571

**SALADO WSC**

(254) 947-5425

**WATER CONSERVATION  
and  
DROUGHT CONTINGENCY PLAN**

**For**

**SALADO (WSC)**



**March 2023**

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# SALADO WSC

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## INTRODUCTION

In response to recent problems with drought across the State, the 75th legislature has passed Senate Bill 1 (SB 1). This legislation requires Regional Water Planning Groups to develop water plans to be incorporated into a State Water Plan. The goal is to "... provide for the orderly development, management, and conservation of water resources and preparation for and response to drought conditions, in order that sufficient water will be available at a reasonable cost to ensure public health, safety, and welfare: further economic development: and protect the agricultural and natural resources of the entire state." As part of the Regional and State Water Plans, all communities are required to develop Water Conservation and Drought Contingency Plans. This coordinated effort by all communities across Texas will ensure success in achieving the goals set by SB1.

Salado Water Supply Corporation (WSC) "Salado WSC" has an ongoing Water Conservation and Drought Contingency Plan with five (5) year updates as prescribed by State law. Salado WSC sources of water supply are ground water from the Edwards Aquifer, from a wholesale water agreement with Kempner WSC to treat water from the Salado WSC surface water allotment in Stillhouse Hollow Reservoir to provide water the western portion of its service area, and from Central Texas WSC with three (3) connection points currently to their surface water wholesale system. The use of surface water as a component of water supplies has been planned by Salado WSC for a number of years due to the pumping restrictions on its Edwards Aquifer supply by the local groundwater district. To provide a surface water source, Salado WSC acquired surface water rights from the Brazos River Authority (BRA) through a raw water contract. Salado WSC acquisition of necessary surface water rights was necessary to provide a needed source of water to protect the system against drought and offer a contingency plan to provide continuous and adequate service to its membership. In addition, Salado WSC became a member of Central Texas WSC to access additional surface water supplies and to allow further diversification of water sources for Salado WSC.

Salado WSC has prepared this updated Water Conservation and Drought Contingency Plan documenting the data collected over the last five (5) years.

## SALADO WSC

Water ground production and distribution facilities are owned and operated by Salado WSC. Surface water treatment is contracted through Kempner WSC and its existing surface water treatment plant on Stillhouse Hollow Reservoir in Central Texas. Salado WSC does not provide wastewater services (neither collection nor treatment services). Under policy direction of the Board of Directors (The Board), the General Manager has the managing control and operation of Salado WSC all its water production and distribution facilities. The Board approves all final budgets and water rate structures at its annual membership meeting each January.

Salado WSC Certificate of Convenience and Necessity (CCN) boundary encompasses in the entire Village of Salado in Central Texas as well as surrounding areas outside the City limits that have been annexed into the Salado WSC CCN area. In all, the water system serves an area of approximately 29 square miles in size. All residential and commercial sites use the Salado WSC water system. The previous Plan prepared in 2018 recorded an annual water consumption of 328 million gallons which with a reported approximate population of 5,000 persons equated to a user consumption of approximately 180 gallons per capita per day (GPCD) which is a little above the then state average of 170 GPCD.

To implement water conservation measures designed to protect Salado WSC from adverse effects of drought, Salado WSC has enacted a Water Conservation and Drought Contingency Plan to encourage a long-term reduction in per capita water consumption. Salado WSC largely serves residential customers with water demands between 140 and 160 gallons per capita per day. The goal of the conservation plan over the next 10 years to reduce residential use to 135 gallons per capita per day. Reduction is difficult for a rural community such as the area encompassed by Salado WSC. Most new development is larger residential lots, due to septic tank requirements, which have large landscaping requirements. Without a centralized wastewater collection system serving the area, residential lot sizing must be 0.5 acre or greater. The 2018 Plan reported a water loss (unaccounted water) of 23%. Salado WSC has set a goal keep actual water loss to 15% (or less) over the next five years. This goal will be largely attained by an aggressive meter replacement program and the change to electronic meter reading to provide Salado WSC more information on water use patterns.

# SALADO WSC

## UTILITY PROFILE

### CUSTOMER DATA

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**Owner**

Salado Water Supply Corporation  
P. O. Box 128  
Salado, TX 76571

**PWS Number:**

0140035

**Regional Water Planning Group:**

Region G - Brazos G Water Planning Group

**Ground Water District:**

Clearwater Underground Water Conservation District (Bell County, Texas)

**Surface Water Supply:**

Stillhouse Hollow Reservoir

**Person Responsible for Implementing Plan:**

General Manager  
Salado WSC

### UTILITY DATA

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**Population History (2018-2022)**

5 year history based on meter count.

Year	Population
2018	6,672
2019	6,838
2020	7,498
2021	8,182
2022	8,567

# SALADO WSC

## Population Projection (2023-2070)

Projected population of the Salado WSC service area based on current CCN. Estimates are based on data in the Brazos G Planning Group water plan as approved by the Texas Water Development Board.

Year	Population
2020	6,001
2030	6,648
2040	7,288
2050	7,913
2060	8,525
2070	9,128

## Active Connections

History of current number of active meters, by type, in the Salado WSC service area based billing information.

Water User Type	2018	2019	2020	2021	2022
Residential Single Family	2,540	2,602	2,855	3,118	3,263
Commercial	25	27	28	28	31
Wholesale Water Meter	1	1	1	1	1
<b>Total</b>	<b>2,566</b>	<b>2,630</b>	<b>2,884</b>	<b>3,147</b>	<b>3,295</b>

# SALADO WSC

## High Volume Water Customers

List of annual seven (7) highest volume retail and wholesale water customers of the Salado WSC water system in 2022.

Customer	Water User Type	Annual Water Use (Gallons/year)
Jarrell-Schwertner WSC	Wholesale	14,861,200
TXDOT South	Commercial	6,391,000
TXDOT North	Commercial	5,447,870
Killeen MHP 2 LLC	Commercial	3,728,890
Chick Landscaping	Commercial	3,002,030
Bluff Circle Homeowners	Commercial	2,343,580
1670 Properties	Commercial	1,704,400
Salado ISD	Institutional	1,202,870

## Water Supply System

Capacity of major components of the Salado WSC water system.

Component	Capacity
Water Supply	4.30 MGD
Ground Storage	1,100,000 Gallons
Elevated Storage	380,000 Gallons

## Water Accounting Data (2018-2022)

Five (5) year history of the Salado WSC water use by month based on master meter reading at points where it enters the water system and water sales based on metering at each customer are as follows:



# SALADO WSC

<b>Salado WSC Monthly Water Production</b>					
<b>Month</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
January	27,541,600	29,976,100	25,105,700	23,467,000	25,352,300
February	28,541,600	35,252,900	33,097,800	38,184,600	48,045,400
March	29,305,800	34,782,400	36,738,700	37,919,100	46,489,500
April	37,362,900	40,899,200	40,938,600	32,621,800	51,032,900
May	39,512,800	45,829,500	47,642,210	47,602,400	65,191,200
June	42,249,100	57,256,800	50,781,900	61,644,200	67,735,400
July	55,675,700	64,381,500	66,869,300	79,191,400	72,990,200
August	64,421,100	73,840,380	68,856,750	93,689,641	107,507,462
September	48,830,900	64,474,300	57,135,800	52,870,100	69,753,000
October	38,737,200	49,164,400	45,677,000	47,409,000	58,008,700
November	24,746,300	44,235,600	40,458,400	47,479,800	49,981,200
December	22,105,000	35,932,820	34,947,800	39,217,400	36,034,900
<b>Total</b>	<b>459,030,000</b>	<b>576,025,900</b>	<b>548,249,960</b>	<b>601,296,441</b>	<b>698,122,162</b>

# SALADO WSC

<b>Salado WSC Monthly Water Sales</b>					
<b>Month</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
January	20,541,600	21,976,100	21,105,700	21,467,000	29,352,300
February	21,541,600	24,252,900	25,097,800	25,184,600	28,045,400
March	22,305,800	27,782,400	26,738,700	28,919,100	36,489,500
April	35,362,900	30,899,200	32,938,600	30,621,800	41,032,900
May	37,512,800	38,829,500	37,642,210	37,602,400	45,191,200
June	40,249,100	45,256,800	45,781,900	46,644,200	57,735,400
July	52,675,700	50,381,500	56,869,300	59,191,400	72,990,200
August	60,221,500	56,683,230	74,652,460	73,875,080	83,085,720
September	46,830,900	55,474,300	57,135,800	42,870,100	75,753,000
October	34,737,200	33,164,400	35,677,000	37,409,000	49,008,700
November	22,746,300	26,235,600	30,458,400	27,479,800	39,981,200
December	20,105,000	28,932,820	24,947,800	25,217,400	35,034,900
<b>Total</b>	<b>414,830,400</b>	<b>439,868,750</b>	<b>469,045,670</b>	<b>456,481,880</b>	<b>593,700,420</b>

# SALADO WSC

## Annual Water Sales Summary

Amount of water sold, by type, in the Salado WSC water system.

Year	Residential Single Family	Commercial	Wholesale	Total Sold
2018	388,790,140	26,040,260	0	414,830,400
2019	386,730,590	53,138,160	0	439,868,750
2020	381,200,280	79,745,390	8,100,000	469,045,670
2021	391,190,910	54,390,970	10,900,000	456,481,880
2022	490,400,880	89,438,340	13,861,200	593,700,420

## GPCD and Seasonal Water Use

Year	Population	Total Water Use (MG/year)	Gallons per Capita per Day (GPCD)	Residential (GPCD)	Winter (GPCD)	Summer (GPCD)
2018	6,672	414	170	140	80	355
2019	6,838	439	176	139	78	346
2020	7,498	469	171	132	71	316
2021	8,182	456	153	126	65	289
2022	8,567	593	190	147	62	276
<b>Annual Average</b>	<b>7,551</b>	<b>474</b>	<b>172</b>	<b>137</b>	<b>71</b>	<b>316</b>

# SALADO WSC

## Water Loss Records

Average water loss for the Salado WSC distribution system over the past five (5) years is as follows:

Year	Water Production (gallons/year)	Water Sales (gallons/year)	Water Loss (gallons/year)	Water Loss (GPCD)	Water Loss (%)
2018	459,030,000	414,830,400	44,199,600	17	10%
2019	526,025,900	439,868,750	86,157,150	34	16%
2020	611,249,900	469,045,670	142,204,230	56	23%
2021	581,227,592	456,481,880	124,745,712	49	21%
2022	698,122,162	593,700,420	104,421,742	41	15%
<b>Annual Average</b>	<b>575,131,111</b>	<b>474,785,424</b>	<b>100,345,687</b>	<b>39</b>	<b>17%</b>

## Peak Day Use

Peak daily water consumption for the Salado WSC system is as follows:

Year	Annual Water Use (gallons/year)	Average Daily Use (gallons/day)	Peak Day Use (gallons/day)	Ratio
2018	414,830,400	1,136,522	2,545,000	2.24
2019	439,868,750	1,205,120	2,666,000	2.21
2020	469,045,670	1,285,057	3,023,000	2.35
2021	456,481,880	1,250,635	3,080,000	2.46
2022	593,700,420	1,626,576	3,510,000	2.16

# SALADO WSC

## Projected Demands

Year	Population	Water Demand (gallons/year)	Demand (Acre-feet/year)
2012	6,150	426,000,000	1,307
2013	6,200	434,000,000	1,332
2014	6,250	447,000,000	1,372
2015	6300	457,000,000	1,403
2016	6,400	469,000,000	1,439
2017	6,500	459,030,000	1,409
2018	6,672	459,030,000	1,409
2019	6,838	576,025,900	1,768
2020	7,498	548,249,900	1,683
2021	8,182	601,796,400	1,847
2022	8,567	698,122,162	2,143
2023	8,600	696,600,000	2,138
2024	9,000	729,000,000	2,237
2025	9,500	769,500,000	2,362
2026	9,700	785,700,000	2,411
2027	9,900	801,900,000	2,461

### Wastewater System Data

N/A - Salado WSC does not own or operate a wastewater collection or treatment system. Wastewater in their service are is provided by the Village of Salado.

## WATER CONSERVATION PLAN

### INTRODUCTION

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The purpose of this Water Conservation Plan is to reduce the quantity required for each water using activity, insofar as is economically feasible and physically practical, through the implementation of efficient water use practices. Many communities throughout the United States have used conservation measures to successfully cope with various potable water issues.

Salado Water Supply Corporation (WSC) is a Public Water System (PWS) in Central Texas that provides water service to approximately 8,500 residents and approximately 3,300 retail connections over 29 square miles in Bell County. The service area extends across Interstate Highway 35 from the Village of Salado to the northwest. Salado WSC primarily serves single-family residential units and retail customers in the Village of Salado. The entire service area is located in the Brazos G Water Planning Group, which is administered by the Texas Water Development Board (TWDB).

Service area of Salado WSC is within the district boundaries of the Clearwater Underground Water Conservation District. This District regulates pumping of groundwater from the water supply wells servicing Salado WSC. Through continuous monitoring of the water levels in the Edwards Aquifer, the District has established stages for reduction in pumping as is discussed in the Drought Contingency Plan for Salado WSC.

In addition to its Edwards Aquifer wells, Salado WSC has a raw water supply of 1,400 acre-feet (approximately 2 MGD) in Stillhouse Hollow Reservoir. Through its contract with Kempner WSC, this water is treated and delivered to the western portion of the Salado WSC service area.

Finally, Salado WSC has a contract with Central Texas WSC for about 600 acre-ft. Central Texas WSC has treatment plants on Lake Stillhouse Hollow and provides Salado WSC with treated surface water at 3 locations in its system.

Reduction in water use of as much as 25% or more has been achieved, but the normal range of reduction is from 5% to 15%. Salado WSC serves a rural

## SALADO WSC

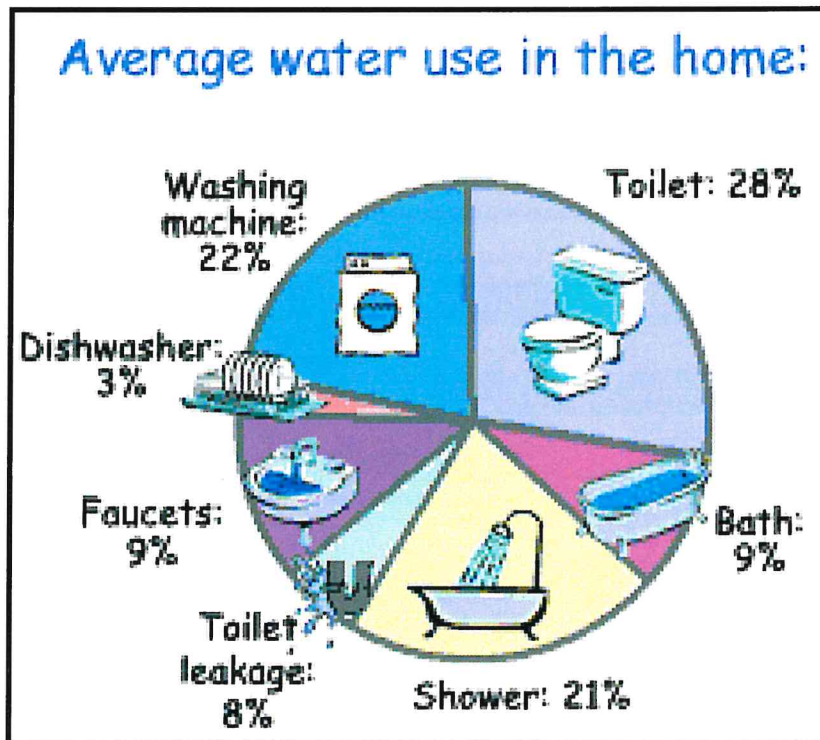
community without a centralized wastewater collection system. As such, minimum residential lot sizes must be at least 0.5 acre in size to support an on site wastewater disposal system. Due to the large size of residential lots, outside watering patterns has a large effect upon consumption of water by the residential customers on the Salado WSC system.

A Water Conservation Plan requires a combination of strategies for:

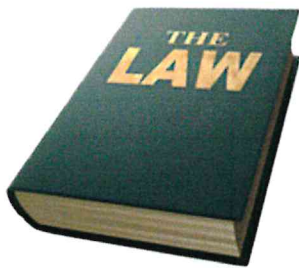
- ✓ Reducing volume of water withdrawn from a water supply source
- ✓ Reducing loss or waste of water
- ✓ Maintaining or improving efficiency in use of water
- ✓ Increasing recycling and reuse of water
- ✓ Preventing pollution of water supply

Salado WSC recognizes that the amount of water available to supply its water utility customers may be limited and subject to depletion during periods of extended drought. Representing the best interests of its customers, Salado WSC deems it expedient and necessary to establish certain rules and policies for the ongoing conservation of water and the orderly and efficient management of limited water supplies during drought and other water supply emergencies.

Typical household usage of potable water is shown below:

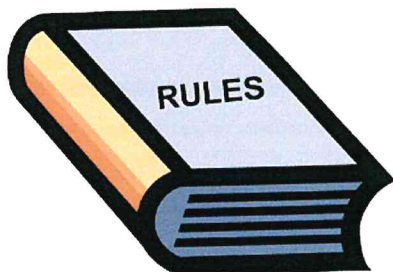


## Statutory & Rule Requirements



Texas Water Code §13.146.

**WATER CONSERVATION PLAN.** The Commission (TCEQ) shall require a retail public utility that provides potable water service to 3,300 or more connections to submit to the executive administrator of the Board (TWDB) a water conservation plan based on specific targets and goals developed by the retail public utility and using appropriate best management practices, as defined by Section 11.002, or other water conservation strategies.



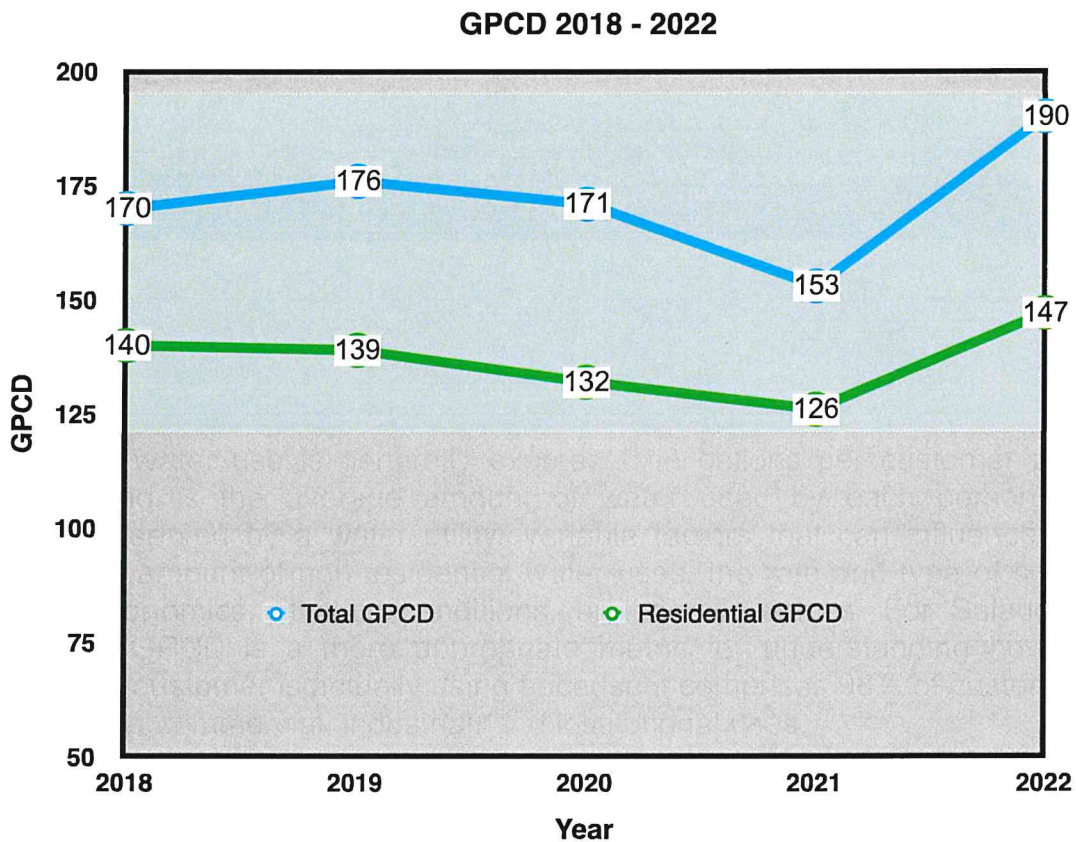
**Title 30 Texas Administrative Code §288.30(5)(A)**  
For retail public water suppliers providing water service to 3,300 or more connections, the drought contingency plan must be submitted to the Executive Director (TCEQ) not later than May 1, 2005. Thereafter, the retail public water suppliers providing water service to 3,300 or more connections shall submit the next revision of the plan not later than May 1, 2009, and every five years after that date to coincide with the regional water planning group.



## CONSERVATION GOALS

Per capita water use is generally expressed in gallons per customer per day (GPCD) and is the average amount of water used by each person in the population served by a water utility. Variable factors that can influence GPCD include the amount of non-residential water uses, the rate and type of customer growth, economics, climatic conditions, and demographics. For Salado WSC residential GPCD is a more appropriate metric for understanding how much water each customer is actually using because it comprises 98% of customer use not including commercial, industrial, and institutional uses.

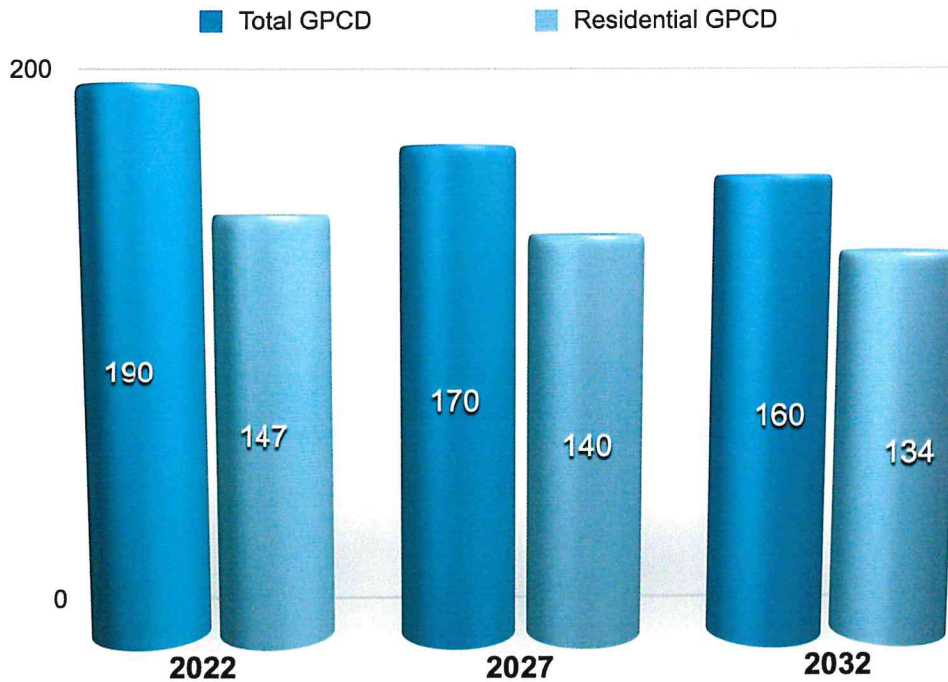
For the previous five (5) years, the average total GPCD for the Salado was 166. Single-Family Residential use for the District was 140 GPCD. The previous five years of per capita water use are shown below.



# SALADO WSC

Salado WSC's five (5) and ten (10) year water conservation goals are based upon the Texas Water Conservation Implementation Task Force's recommendation of a reduction in per capita water use of 1% per year. Per capita usage and water loss goals are shown below.

## Salado WSC GPCD GOALS



The General Manager of Salado WSC will assess the effectiveness of water conservation activities and its progress in achieving the stated goals on an annual basis.

# SALADO WSC

## Public Education (Conservation)

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Salado WSC conducts a program of ongoing public water conservation education program that includes various methodologies. Some of the public education practices are as follows:

Periodic distribution of water conservation brochures and information

Provision of water conservation brochures and materials at the main office and other public places

Informational presentations offered by Utility staff to local organizations, schools, and civic groups

Information available to local newspaper, television, and radio outlets

Water Conservation information posted on website

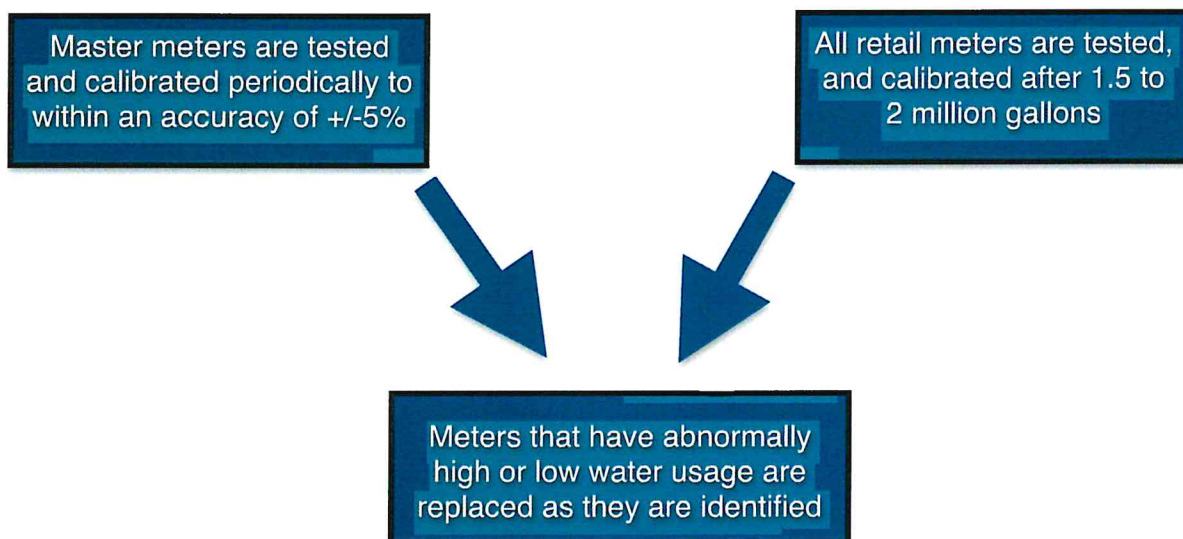
Water conservation information provided to applicants for new service

# SALADO WSC

## Metering Devices

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Salado WSC meters 100% of the water used by residential, industrial, and commercial accounts. In 2017, Salado WSC undertook a full meter replacement program exchanging old meters for smart meters. Meters are tested upon customer request. The diagram below describes the Salado WSC's meter testing, repair, and replacement program.

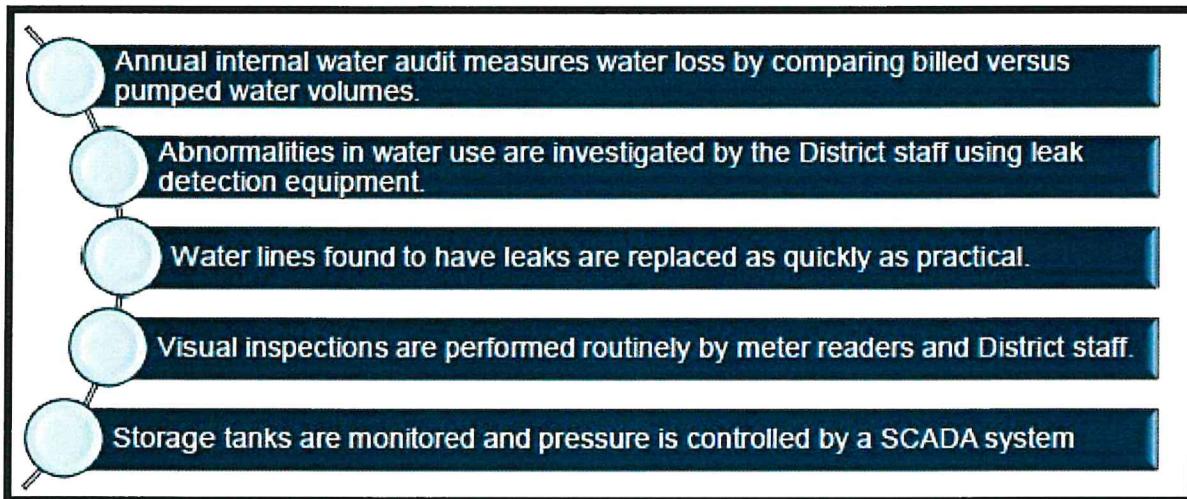


Salado WSC has installed and maintains Master Meters on all sources. All retail and wholesale consumption by Salado WSC are metered. Salado WSC has a regular meter replacement program and all master meters are calibrated annually to  $\pm 5\%$ . Any meter registering 92% or less on a meter test is immediately replaced. Groups of meters are spot tested. All retail meters are scheduled for calibration or replacement within each annual budget preparation. Retail meters are segregated in groups by those that have 95% or less accuracy, by age and by volume of water metered.

## Water Loss

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Salado WSC maintains an ongoing program of leak detection and repair. In 2017, water loss for the District was calculated to be 21.9%. The long term goal is to maintain less than 15% water loss. The leak detection program for Salado WSC is shown below.



Salado WSC water operators have been trained to identify water leaks. Salado WSC continually explores new practices and technologies to minimize the loss of water. A continuous leak detection, location, and repair program is an important part of our water conservation plan. An annual water accounting is performed each year. Sources of unaccounted for water are, once located, corrected when practicable and economical.

Salado WSC utility employees periodically check for leaks when reading meters and when driving around during regular maintenance. Major leaks are usually quickly detected by either utility employees or customers and are repaired within 24 hours.

# SALADO WSC

## Water Rates

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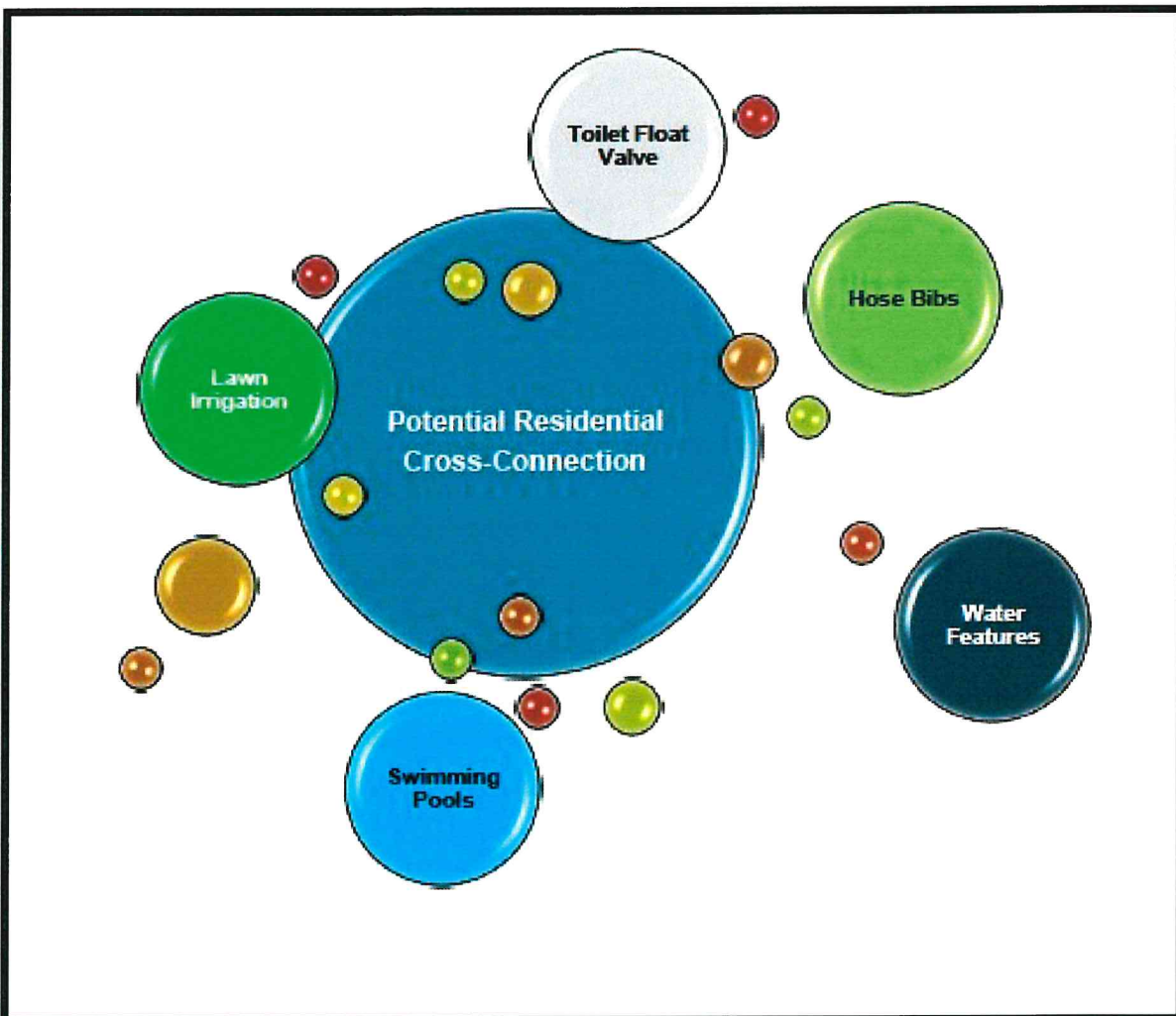
Salado WSC uses a cost based inclining block rate that discourages the excessive use of water with a retail base rate and six inclining usage blocks (tiers) are set up in increments of ten thousand gallons.

A water conservation oriented rate structure usually takes the form of an increasing block rate, although continuously increasing rate structures, peak or seasonal load rates, excess use fees, and other rate forms can be used. Rates for each successive inclining block are designed to encourage the conservation of water by sending a strong price signal that charges incrementally higher rates per each increasing thousand gallons of water. Salado WSC will continue to support a conserving water rate structure and, when appropriate, review its rates for policy consistency. The rate is reviewed annually to insure that it still fits the standard for conservation as proposed by the TCEQ.



## Cross Connection Control

Salado WSC maintains required cross connection control. Risk of backflow is generally reduced by taking steps to ensure that system pressures do not fall during periods of emergency repairs and by performing periodic customer inspections for cross connections. Facilities and structures determined to have a high public health hazard are required to install devices that prevent back-siphonage of non-potable water from a loss of pressure in water lines.



## Plumbing Fixtures

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The State of Texas has recently adopted more stringent water saving performance measures for plumbing fixtures, found in the Texas Health and Safety Code Chapter 372. The following maximum flow standards are subsequently listed in the Texas Administrative Code Title 30 Chapter 290 Subchapter G:



Customers in existing buildings that do not have water saving plumbing fixtures are encouraged through educational materials to retrofit their old plumbing fixtures with lower gallons per minute (gpm) or gallons per flush (gpf) standards. Recently, the District has participated in a shower head exchange program in conjunction with a local plumbing supplier.

An increasing number of water efficient clothes and dish washing machines are now available that provide the same performance, but use less water. A water efficient home can save more than 20% of annual indoor water use. Salado WSC currently administers a program to provide free shower heads and faucet aerators for its customers.



## Discretionary Uses

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The following uses of water are considered by State of Texas to be discretionary or non-essential uses of potable water:

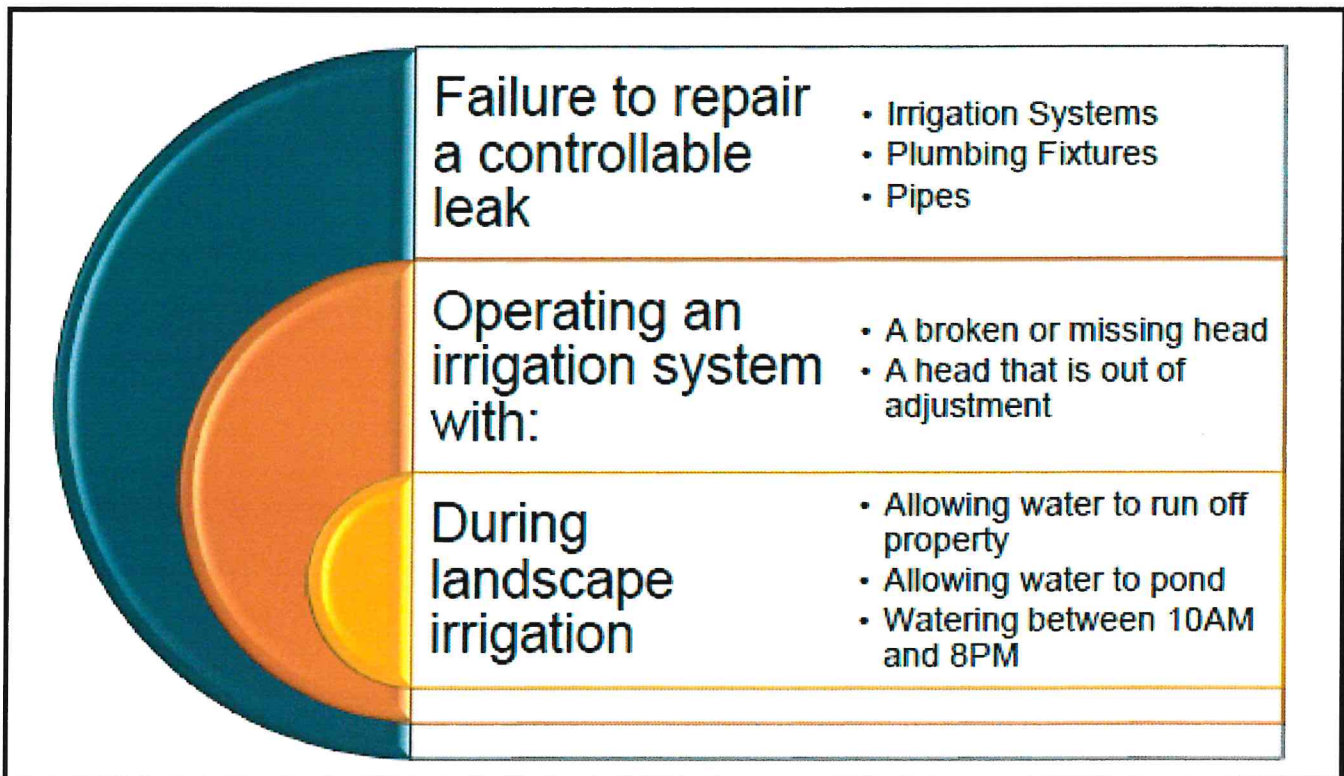


- *Commercial car washes using Best Management Practices that include recycling of water are exempt.*

## Water Waste

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Waste of potable water is prohibited at all times. Waste of water is defined in the following diagram as:



Each instance of a violation of the Water Conservation Plan resulting in water waste may be considered a separate offense by Salado WSC and may be punishable as described in the Enforcement section of this Plan.

# SALADO WSC

## Implementation and Enforcement

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Salado WSC will administer its own Water Conservation Program. In this capacity, it oversees the execution and implementation of all elements of the program. Salado WSC also oversees all record keeping for program verification.

In addition, Salado WSC is responsible for the submission of an annual report to the Texas Water Development Board on the Water Conservation Plan. The program was initiated through adoption of the Water Conservation Plan by Ordinance by the Salado WSC Board of Directors. The budget for implementation of the Water Conservation Plan is approximately \$5,000 annually as funded by Salado WSC.

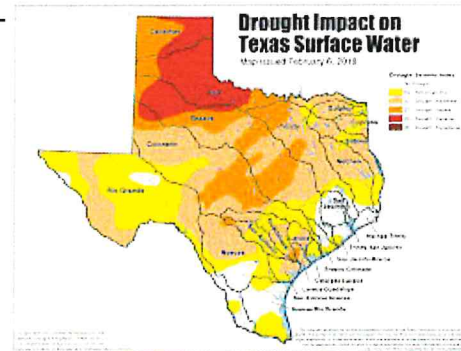
Enforcement is carried out through proper passage of appropriate Ordinances by the Board of Directors for Salado WSC. Any violation of the mandatory provisions of either the Water Conservation or Drought Contingency Plans may result in a penalty and/or interruption of water service. Salado WSC General Manager is empowered to enforce the mandatory provisions and may interrupt water service based upon repeated violations. Penalties shall be paid by the violating customer before water service is restored. Violations will be reported by all Salado WSC personnel to the General Manager.



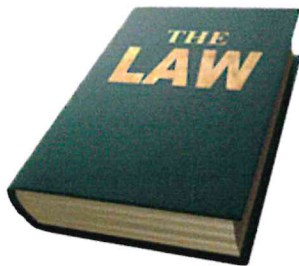
# SALADO WSC

## 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.*



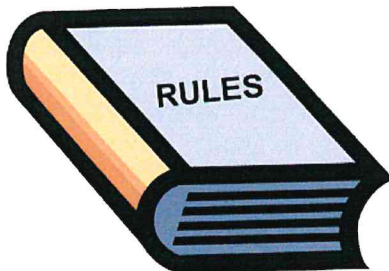
## Statutory & Rule Requirements



### Texas Water Code, Sec. 11.1272.

#### **ADDITIONAL REQUIREMENT: DROUGHT CONTINGENCY PLANS FOR CERTAIN APPLICANTS AND WATER RIGHT HOLDERS.**

The Commission (TCEQ) shall by rule require wholesale and retail public water suppliers and irrigation districts to develop drought contingency plans consistent with the appropriate approved regional water plan to be implemented during periods of water shortages and drought.



### **Title 30 Texas Administrative Code, §288.30. REQUIRED SUBMITTALS.**

For retail public water suppliers providing water service to 3,300 or more connections, the drought contingency plan must be submitted to the Executive director (TCEQ) not later than May 1, 2005. Thereafter, the retail public water suppliers providing water service to 3,300 or more connections shall submit the next revision of the plan not later than May 1, 2009, and every five years after that date to coincide with the regional water planning group.

## **Declaration of Policy, Purpose, and Intent**

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In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, Salado WS hereby adopts the following regulations and restrictions on the delivery and consumption of water by Resolution.

Water uses regulated or prohibited under this Drought Contingency Plan are considered to be non-essential or discretionary and continuation of such uses during times of water shortage or other emergency water supply conditions are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in the Enforcement of Drought Contingency Plan section of this Plan.

## **Authorization**

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The Board of Directors and General Manager of Salado WSC are hereby authorized and directed to implement the applicable provisions of this Drought Contingency Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The Board of Directors and General Manager shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Drought Contingency Plan.

## **Application**

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The provisions of this Drought Contingency Plan shall apply to all persons, customers, and property utilizing water provided by Salado WSC. The terms “person” and “customer” as used in the Drought Contingency Plan include all individuals, corporations, partnerships, associations, and all other legal entities.

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## Public Involvement

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Opportunity for the public to provide input into the preparation and maintenance of the Drought Contingency Plan continues to be provided by the following:

Mailing

P. O. Box 128 Salado, TX 76571

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Phone

(254) 947-5425

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Events

Periodic water related activities

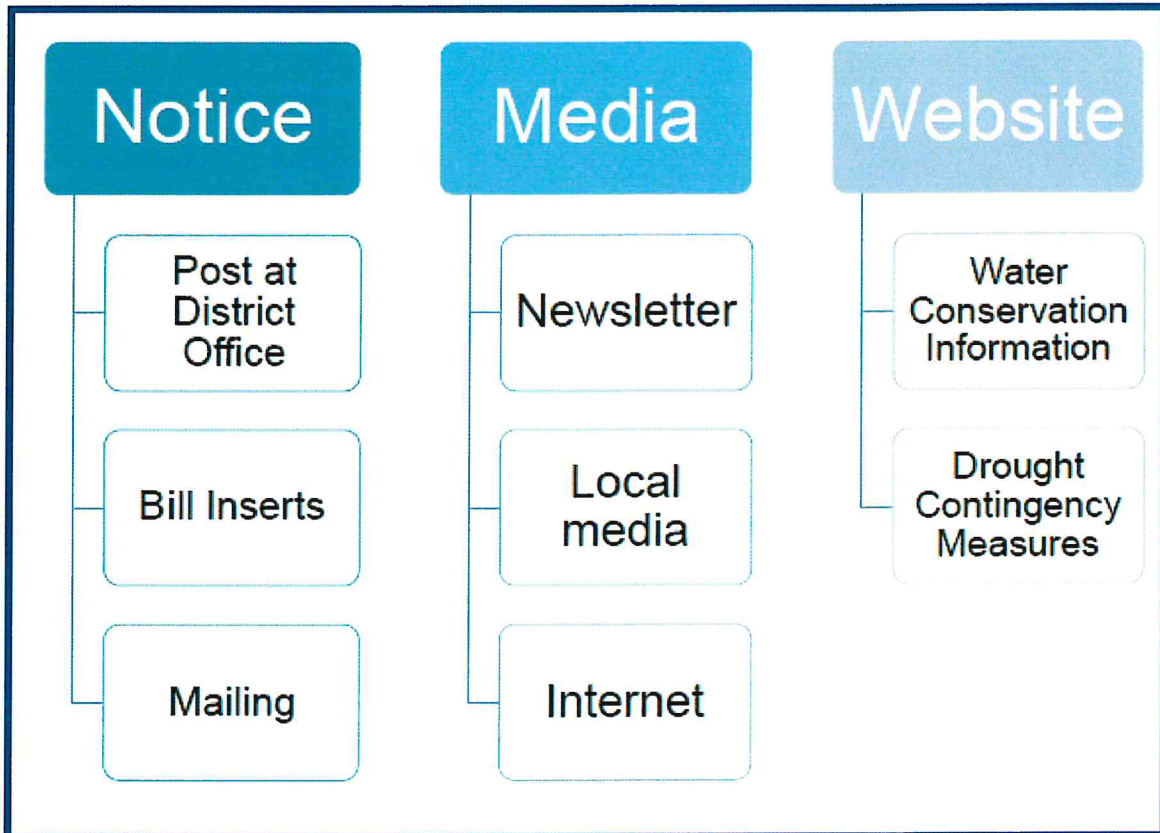
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## Public Education (Drought)

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Salado WSC will periodically provide the public with information about this Drought Contingency Plan, including information and/or notification about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage.

Water conservation tips and information will also be provided to customers of the system. Public education information will be provided by Salado WSC through the following means:



## Supply Based Triggers

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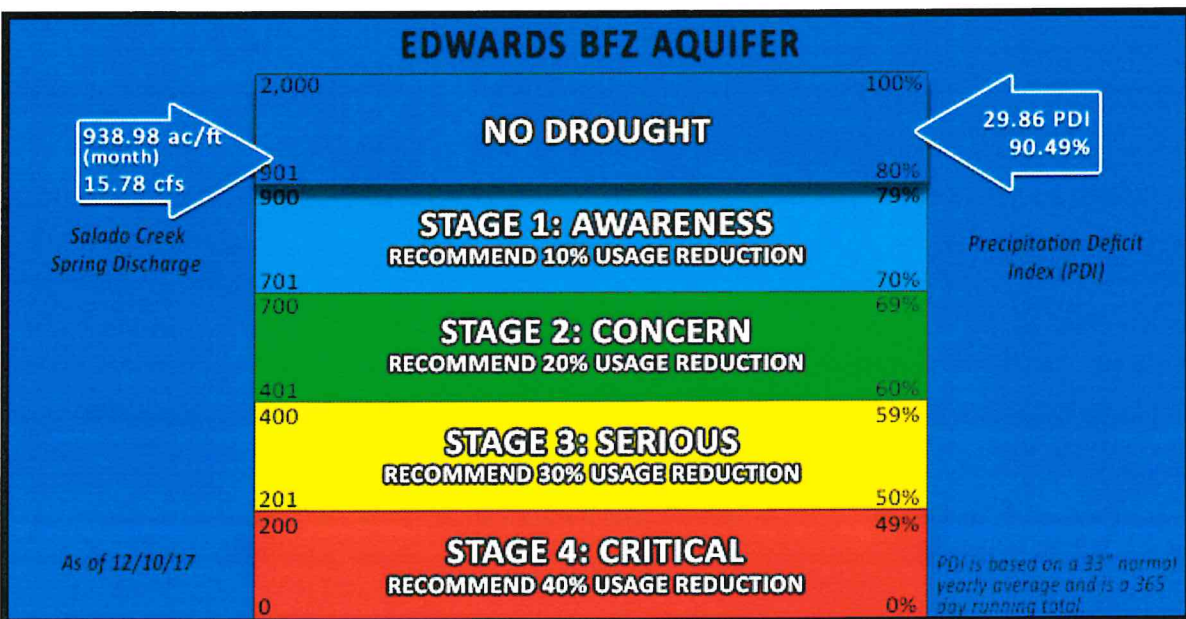
Salado WSC water system is supplied with a combination of well water and surface water. The well water is supplied from the Edwards Aquifer through municipal water supply wells owned and operated by the Salado WSC. Surface water supply is from Stillhouse Hollow Reservoir through a wholesale water purchase agreement with both Kempner WSC, Kempner, Texas and Central Texas WSC, Harker Heights, Texas. The total supply (combination of ground water and surface water) will safely supply the daily annual average of Salado WSC.

Given limitations on either of these supplies during peak pumping seasons, it may be necessary to implement water usage restrictions. Salado WSC has

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boosting facilities that can pump well water, surface water or a combination of both to the distribution system. These facilities can safely supply the daily average flow but may require usage restrictions in the event of equipment outages during peak water pumping seasons or other extraordinary events. In addition, standby generators are being added to the system to allow for continued service during power outages.

Triggering criteria for Salado WSC are based upon the most restrictive targets from its water sources which is the Edwards Aquifer as managed by the Clearwater Underground Water Conservation District. Salado WSC has adopted reduction water supply trigger points and reductions for its system based on Clearwater Underground Water Conservation District restrictions for the Edwards BFZ Aquifer as follows:





## **Demand Based Trigger**

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When water storage tank levels reach 60% of capacity, the supervisory control and data acquisition (SCADA) system sends an alert to Salado WSC operators and triggers a notification program to ask customers to reduce water usage.

## **Contamination Triggers**

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In the event of a contamination of either water source, appropriate emergency procedures will be implemented and appropriate emergency response officials will be notified immediately. Such an event may trigger an emergency declaration by Salado WSC.

In the event of a backflow incident, loss of pressure, or an acute maximum contaminant level coliform violation, a “Boiled Water Notice” will be implemented as prescribed in Title 30 TAC Chapter 290.

## **System Outage Trigger**

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In the event of a catastrophic failure due to either natural or man-made events, appropriate emergency procedures may be implemented and appropriate emergency response officials will be notified.

## **Alternative Sources**

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In the event of an emergency loss of water supply of either water source, Salado WSC will consider purchases of water by the truckload or in bottles for the health and public safety of the District’s residents.

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## Response Stages

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Salado WSC will notify TCEQ when implementing or rescinding any stage of this Plan. Use of water for landscape irrigation shall be only performed between midnight and 10 AM and from 8 PM to midnight. Water-use restrictions applicable to aesthetic water features and the washing of vehicles, structures, or impervious surfaces are applicable to each successively higher stage. Due to high evaporation rates, use of irrigation systems between the hours of 10 AM and 8 PM is considered water waste and is enforceable as a violation at all times. Salado WSC outdoor water-use schedule is as follows:

<b>STAGE 1</b>				
<b>Voluntary</b>	<b>STAGE 2</b>			
Odd Addresses Tue/Fri Even Addresses Wed/Sat	<b>Mandatory</b>	<b>STAGE 3</b>		
	Odd Addresses Tue/Fri Even Addresses Wed/Sat  Use of water for aesthetic water features is prohibited	<b>Mandatory</b>	<b>STAGE 4</b>	
		Odd Addresses Tuesday Even Addresses Wednesday  Use of water to wash vehicles, structures, or impervious surfaces limited to watering day	<b>Mandatory</b>	Watering bucket only on Stage 3 watering day before 10 AM
			<b>STAGE 5</b>	
			<b>NO WATERING</b>	
			All outdoor and non-essential uses are prohibited	

## **Variations**

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The General Manager of Salado WSC or its designee may, in writing, grant a temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance, and if one or more of the following conditions are met:

1. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
2. Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Resolution shall file a petition for variance with Salado WSC at their offices during normal business hours within five (5) business days after the Plan or a particular drought response stage has been invoked. All petitions for variations shall be reviewed by the General Manager or designee, and shall include the following:

1. Name and address of the petitioner(s);
2. Purpose of water use;
3. Specific provision(s) of the Plan from which the petitioner is requesting relief;
4. Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Resolution;
5. Description of the relief requested;
6. Period of time for which the variance is sought;
7. Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date; and
8. Other pertinent information.

## Enforcement

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Salado WSC will vigorously enforce violations of the Drought Contingency Plan. Enforcement of this Plan will include the following actions:



### First Violation

- Customer will be notified by written notice of their specific violation.
- Salado WSC may assess a penalty depending upon severity of violation.



### Second Violation

- Customer may be assessed a penalty.
- Salado WSC may install a flow restricting device for seven (7) days.
- Salado WSC may charge customer for cost of installing and removing the flow restricting device



### Third Violation

- Salado WSC may discontinue service at the meter for a period of seven (7) days.
- Normal reconnect fee of Salado WSC will apply for restoration of service.

## Notice Requirements

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Notice will be provided to each customer **prior to implementation or termination of each stage of the water restriction program**. Notice will be provided through posting at the office of Salado WSC, news release to radio, television and newspaper. The notice will include:

- Date restrictions will begin
- Circumstances that triggered the restrictions
- Stages of response and explanation of all the restrictions to be implemented
- An explanation of the consequences for violations.

**Salado WSC will notify the TCEQ by telephone at (512) 239-6020, or electronic mail at [watermon@TCEQ.state.tx.us](mailto:watermon@TCEQ.state.tx.us) upon implementation the program and will notify in writing the Public Drinking Water Section at MC - 155, P.O. Box 13087, Austin, Texas 78711-3087 within five (5) working days of implementation including a copy of the utility's restriction notice. The utility must file a status report of its restriction program with the TCEQ every 30 days that restriction continues.**

**WATER CONSERVATION AND DROUGHT CONTINGENCY PLAN  
FOR  
SALADO WATER SUPPLY CORPORATION**

**RESOLUTION NO. \_\_\_\_\_**

RESOLUTION FINDING AND DETERMINING THAT THE WATER CONSERVATION AND DROUGHT CONTINGENCY PLAN FOR SALADO WATER SUPPLY CORPORATION, SALADO, TEXAS, ADOPTING THE SAME AS THE OFFICIAL WATER CONSERVATION AND DROUGHT CONTINGENCY PLAN FOR SALADO WATER SUPPLY CORPORATION AND REQUIRING ADHERENCE TO ALL REQUIREMENTS, CONDITIONS AND PROCEDURES SPECIFIED THEREBY.

WHEREAS, here to fore previously, Salado WSC has undertaken such studies and surveys as were necessary to determine appropriate facts upon which to base and develop a Water Conservation and Drought Contingency plan and

WHEREAS, as a result of such preliminary work, a Water Conservation and Drought Contingency plan has been prepared, which fairly represents a sound policy for Salado WSC;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF DIRECTORS OF SALADO WSC:

- 1- That the Board of Directors of Salado WSC hereby finds and determines that the Water Conservation and Drought Contingency plan, has been prepared in accordance with all applicable laws, rules, regulations, standards and guidelines promulgated by appropriate authority.
- 2- That the Board of Directors of Salado WSC further finds and determines that the said Water Conservation and Drought Contingency plan is adequate to provide an effective means for water conservation and drought management within Salado WSC limits of Salado WSC.

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- 3- That the Water Conservation and Drought Contingency plan, a copy of which is attached hereto and marked Exhibit "A", is hereby adopted as the official Water Conservation and Drought Contingency Plan Salado WSC.
- 4- Further, that all requirements, conditions, and procedures specified in the attached Water Conservation and Drought Contingency Plan for Salado WSC shall be adhered to by all persons affected thereby, including but not limited to all residents, citizens, and inhabitants of the Salado WSC.

PASSED and APPROVED this, the 23<sup>rd</sup> day of March 2023.



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President, Salado Water Supply Corporation

ATTEST: \_\_\_\_\_