



October 17, 2024

DROUGHT CONTINGENCY PLAN

&

WATER CONSERVATION PLAN

PART A.

Drought Contingency Plan – Sharyland WSC

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Water Conservation Plan – Sharyland WSC

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The Sharyland WSC Drought Contingency Plan (“Plan” or “DCP”) and the Water Conservation Plan (“Plan” or “WCP”) has been developed and adopted to establish a protocol for conserving water supply during emergency drought conditions and water shortages.

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Section I: Declaration of Policy, Purpose, and Intent

In compliance with Texas Water Code Chapter 11 and Title 30 Texas Administrative Code Chapter 288, the Plan is to be adopted with the intent of preserving the reliability and stability of public water facilities while mitigating impacts of an emergency water shortage. The Plan prioritizes the protection of public health, welfare, and safety through maintaining domestic water usage, sanitation services, and fire protection. The Sharyland WSC hereby adopts the following regulations and restrictions on the delivery and consumption of water.

Section II: Public Involvement

Sharyland WSC provides an opportunity for the public to provide input into the preparation of the Plan was provided by the SWSC by public notice of a regular board meeting. The SWSC holds regular meetings on the third (3rd) Thursday each month. These meetings are open to the membership and the general public and conform to the Open Meetings Law.

Section III: Public Education

Following adoption, continued education to inform customers of any changes to the Plan and to continuously increase awareness of triggers, response measures, and importance of the Plan will be provided by means of public notices and meetings, utility bill inserts, and over-the-counter handouts. A copy of this Plan will be included as Section G in the Tariff and as necessary through alternative means below:

- Social media posts
- Press releases
- Other: Sharyland WSC website via direct link; www.sharylandwater.com

Section IV: Coordination with Regional Water Planning Group

The Sharyland WSC is located within the Region M Water Planning Group. A copy of the approved Sharyland WSC Drought Contingency Plan will be shared with Region M upon adoption.

Section V: Authorization

The General Manager of Sharyland WSC is authorized to determine the appropriate water conservation stage and implement the corresponding provisions as outlined in this Plan. Similarly, the General Manager of Sharyland WSC is authorized to initiate or terminate the drought or other water supply emergency response measures as outlined in this Plan.

The provisions of this Plan may be amended, supplemented, changed, or repealed at any time during a duly called, noticed, and convened meeting of the General Manager of Sharyland WSC.

Section VI: Application

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

The highest priority for water usage during all stages is the protection of public health, welfare, and safety by providing water for human consumption, sanitation services, fire protection, and when alternative water sources are not available, the watering of livestock.

Section VII: Definitions

For the purposes of this Plan, the following definitions shall apply:

Aesthetic water use: water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

Commercial and institutional water use: water use which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, hotels and motels, restaurants, and office buildings.

Conservation: those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer: any person, company, or organization using water supplied by Sharyland WSC.

Domestic water use: water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.

Foundation watering: an application of water to the soils directly abutting (within 2 feet) the foundation of a building, structure.

Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.

Institutional: State or private community schools at every level.

Landscape irrigation use: water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use: water uses that are not essential nor required for the protection of public, health, safety, and welfare, including:

- a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan;
- b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;

- d) use of water to wash down buildings or structures for purposes other than immediate fire protection;
- e) flushing gutters or permitting water to run or accumulate in any gutter or street;
- f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools;
- g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and
- i) use of water from hydrants for construction purposes or any other purposes other than fire fighting.

Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

Push-Water: water required to fill the canal in order to convey the actual water used by water utilities to produce potable drinking water.

Section VIII: Criteria for Initiation and Termination of Drought Response Stages

The General Manager or his or her designee shall monitor water supply and demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Notification will be made through major media outlets and mailings. The designated Sharyland WSC representative will notify water users when water use restrictions have been eased due to lessening of drought conditions.

The triggering criteria described below are based on the level of the United States share of water in the Falcon-Amistad Reservoirs as reported by the TCEQ Rio Grande Watermaster, and demand on the municipal system capacity. The stages of the drought Plan may be rescinded when all of the conditions listed as triggering events have ceased for a period of thirty (30) consecutive days. Any one of the triggers listed below may cause the utility to initiate water restrictions. Please refer to Table 1: Demand, Supply and Emergency Triggers.

Current as of October 2024 Water Treatment Plan Capacities:

WATER TREATMENT PLANT: Rated in 2024, 22.0 MGD

TREATMENT PLANT GROUND WELL: N/A

Total System Treatment Capacity: 22.0 MGD

Table 1: Demand, Supply and Emergency Triggers

TYPE	TRIGGER	ACTION
DEMAND TRIGGERS	Water demand reaches or exceeds eighty five percent (85%) of delivery capacity for three (3) consecutive days (<i>currently 18.7 MGD</i>)	Sharyland WSC may enact Stage Two water restrictions
	Water demand reaches or exceeds ninety percent (90%) of delivery capacity for three (3) consecutive days (<i>currently 19.8 MGD</i>)	Sharyland WSC may enact Stage Three water restrictions
	Water demand reaches or exceeds ninety five percent (95%) of delivery capacity for three (3) consecutive days (<i>currently 20.9 MGD</i>)	Sharyland WSC may enact Stage Four water restrictions
	Water demand reaches or exceeds one hundred percent (100%) of delivery capacity at any time (<i>currently 22.0 MGD</i>)	Sharyland WSC may enact Stage Five water restrictions
STAGE ONE WATER RESTRICTIONS AT ALL TIMES (100% to 40.01%) UNLESS:		
SUPPLY TRIGGERS	Reservoir levels of Amistad/Falcon reach forty percent (40%) of capacity	Sharyland WSC may enact Stage Two water restrictions
	Reservoir levels of Amistad/Falcon reach thirty percent (30%) of capacity	Sharyland WSC may enact Stage Three water restrictions
	Reservoir levels of Amistad/Falcon reach twenty percent (20%) of capacity	Sharyland WSC may enact Stage Four water restrictions
	Reservoir levels of Amistad/Falcon reach fifteen percent (15%) of capacity	Sharyland WSC may enact Stage Five water restrictions
EMERGENCY TRIGGER	Reservoir levels of Amistad/Falcon reach ten percent (10%) and/or by Hidalgo County Order including but not limited to water system outage, equipment failure, supply source contamination and as directed by the General Manager (GM).	The GM and/or by a Hidalgo County Order, Sharyland WSC will enact Stage Six water restrictions to reduce water use to levels deemed necessary to maintain safe potable water.

Section IX: Drought Response Stages

The General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section VIII of this Plan, shall determine that a mild, moderate, severe, critical, emergency or water shortage condition exists and shall implement the following notification procedures:

Notification

Notification of the Public:

The General Manager or his/ her designee shall notify the public by any of the following means:

Sharyland WSC website via direct link; www.sharylandwater.com,

Publication in a newspaper of general circulation,

Direct mail to each customer,

Public service announcements,

Signs posted in public places,

Take-home fliers at schools.

Additional Notification:

The General Manager shall notify directly, or cause to be notified directly, the following individuals and entities:

Sharyland WSC Board of Directors,

City of Alton Administrator,

City of Alton, McAllen, Palmhurst, Edinburg, and Mission Fire Chief(s),

City of Alton, McAllen, Palmhurst, Edinburg, and Mission City Manager(s),

Hidalgo County Judge's Office,

Hidalgo County Emergency Management Coordinator(s),

Texas Department of Emergency Management,

TCEQ (required when mandatory restrictions are imposed),

Hospitals and Dialysis Centers,

Any entity that uses over 1,000,000 gallons of water per month,

The Sharyland WSC has an emergency conservation Plan that outlines six stages for possible water shortage and/ or emergency conditions. A brief description of the six stages is summarized below.

Stage One: Voluntary Conservation

Voluntary conservation is the first stage of the conservation program signaling U.S. water levels stored in Amistad and Falcon Reservoirs are consistent 100% to above 40.01% storage capacity and is always in force unless a higher stage is required and enacted. During Stage One, the public is requested to voluntarily limit the amount of water used and only use the amount absolutely necessary for health, business, and irrigation. Notice of such request shall be given by the General Manager through appropriate circulars, television, radio, internet and newspaper media at his or her discretion.

Stage Two: Mandatory Compliance Water Alerts

During Stage Two, the U.S. combined water levels of Amistad and Falcon Reservoirs reach a storage capacity low of 40%. At this point, Sharyland WSC will initiate a system-wide water use reduction goal of two (2%). The following restrictions shall apply to all persons:

Schedule: (see Watering Schedule Map - Exhibit A).

- a. Irrigation may only be conducted during the hours of 6:00 p.m. to 10:00 a.m. on the authorized days. Irrigation of outdoor vegetation shall be limited except for during the days and times as provided in this section and in such zones as designated herein. Irrigation by drip method or hand-held buckets is permitted at any time in any zone.
- b. The washing of automobiles, trucks, trailers boats, airplanes and other types of mobile equipment shall be limited to the designated irrigation days between the hours of 6:00 p.m. to 10:00 a.m. Such washing, when allowed, shall be done with a handheld bucket or a handheld hose equipped with a positive shutoff nozzle for quick rinses.

Exception: Washing may be done at any time on the immediate premises of a commercial carwash or commercial service station. Further, such washing may be exempted from this provision if the health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles to transport food and perishables.

- c. The washing or sprinkling of foundations shall be limited to the designated irrigation days between the hours of 6:00 p.m. and 10:00 a.m.
- d. The refilling or adding of water to residential swimming and/or wading pools shall be limited to the designated irrigation days between the hours of 6:00 p.m. to 10:00 a.m.
- e. The operation of any ornamental fountain or other structure making similar use of water shall be limited to the designated irrigation days between the hours of 6:00 p.m. to 10:00 a.m. except for those fountains or structures with a recycling system.
- f. The use of water for irrigation for golf greens, fairways, and tees shall be limited to the designated irrigation days between the hours of 6:00 p.m. to 10:00 a.m.
- g. Use of water from fire hydrants shall be limited to firefighting and related activities, and/or other governmental use activities necessary to maintain the health, safety, and welfare of the Sharyland WSC.

The following uses of water are defined as waste of water and shall be limited:

1. Allowing irrigation water to run off into a gutter, ditch or drain;
2. Failure to repair a controllable leak;
3. Washing sidewalks, driveways, parking areas, tennis courts or other paved areas, except to alleviate immediate fire hazards.
4. Use for dust control.

Stage Three: Mandatory Compliance Water Warning

During Stage Three, the U.S. combined water levels of Amistad and Falcon Reservoirs reach a storage capacity low of 30%. At this point, Sharyland WSC will initiate a system-wide water use reduction goal of three (3%). All water restriction elements of Stage Two shall remain in effect in Stage Three except that:

Schedule: (see Watering Schedule Map - Exhibit A).

- a. It shall be unlawful for any person to irrigate any outdoor vegetation other than on the days and zones as designated in Stage Two and only during the hours of 7:00 p.m. to 9:00 a.m. on such designated days. Irrigation by drip or hand-held buckets is permitted at any time.
- b. The washing of automobiles, trucks, trailers boats, airplanes and other types of mobile equipment shall be limited to the designated irrigation days between the hours of 7:00 p.m. to 9:00 a.m. Such washing, when allowed, shall be done with a handheld bucket or a handheld hose equipped with a positive shutoff nozzle for quick rinses.

Exception: Washing may be done at any time on the immediate premises of a commercial carwash or commercial service station. Further, such washing may be exempted from this provision if the health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles to transport food and perishables.

- c. The washing or sprinkling of foundations shall be prohibited, no exceptions.
- d. The refilling or adding of water to residential swimming and/or wading pools shall be limited to the designated irrigation days between the hours of 7:00 p.m. to 9:00 a.m.
- e. The operation of any ornamental fountain or other structure making similar use of water shall be prohibited, except between the hours of 7:00 pm to 9:00 am or for those fountains or structures with a type of recycling water system.
- f. The watering of golf fairways areas shall be limited to the designated irrigation days between 7:00 p.m. to 9:00 a.m. or unless done with treated wastewater, reclaimed water, well water, or recycled water.

The following uses of water are defined as waste of water and shall be prohibited:

- g. Allowing irrigation water to run off into a gutter, ditch or drain;
- h. Failure to repair a controllable leak;
- i. Washing sidewalks, driveways, parking areas, tennis courts or other paved areas, except to alleviate immediate fire hazards.
- j. Use for dust control.

Stage Four: Mandatory Compliance Water Shortages

During Stage Four, the U.S. combined water levels of Amistad and Falcon Reservoirs reach a storage capacity low of 20%. At this point, Sharyland WSC will initiate a system-wide water use reduction goal of four (4%). All restriction elements of Stage Three shall remain in effect in Stage Four except that:

Schedule: (see Watering Schedule Map - Exhibit A).

- a. It shall be unlawful for any person to irrigate any outdoor vegetation other than on the days and the zones as designated in Stage 3 and only between the hours of 8:00 p.m. to 6:00 a.m. on designated days.
- b. The washing of automobiles, trucks, trailers boats, airplanes, and other types of mobile equipment not occurring upon the immediate premises of commercial carwashes and commercial service stations and not in the immediate interest of the public health, safety and welfare shall be prohibited.

Exception: Washing may be done at any time on the immediate premises of a commercial carwash or commercial service station. Carwashes and commercial service stations in the immediate interest of public health, safety and welfare shall be limited to fifty percent (50%) of their monthly average usage based on the last twelve (12) billing periods for each of such customer. After such usage, the General Manager shall enforce this subsection by terminating the water service.

Further, such washing may be exempted from this provision if the health, safety and welfare of the public is contingent upon frequent vehicle cleaning, such as garbage trucks and vehicles to transport food and perishables.

- c. Commercial nurseries, commercial sod farmers, and similarly situated establishments shall water only on designated days between the hours of 10:00 p.m. and 5:00 a.m. and shall use only handheld hoses, drip irrigation systems, or handheld buckets.
- d. The filling, refilling or adding of water to swimming and/or wading pools is prohibited, except to maintain the pool's structure integrity.
- e. The operation of any ornamental fountain or similar structure is prohibited.
- f. Watering of golf course fairways, greens, and tee boxes is prohibited.

A water use conservation fee will be applied to all members in Stage 4 as follows:

1. Residential members whose monthly water consumption exceeds 15,000 gallons will incur a conservation fee of \$1.00 for each additional 1,000 gallons.
2. Commercial members whose monthly water consumption exceeds 60,000 gallons will incur a conservation fee of \$1.00 for each additional 1,000 gallons.
3. Institutional members water consumption will incur a conservation fee of \$0.25 for each 1,000 gallons.

A summary of conservation fees and thresholds can be found in Exhibit B.

Stage Five: Mandatory Compliance Water Shortage Emergency

During Stage Five, the U.S. combined water levels of Amistad and Falcon Reservoirs reach a storage capacity low of 15%. At this point, Sharyland WSC will initiate a system-wide water use reduction goal of five (5%). All elements of Stage Four shall remain in effect in Stage Five except that:

Schedule: (see Watering Schedule Map - Exhibit A).

- a. No applications for new, additional, further expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or other water service facilities of any kind shall be allowed, approved or installed except as approved by the Sharyland WSC.
- b. No bulk water sales shall be made from the Sharyland WSC for any purpose when such water is transported by a tanker truck or similar type vehicle.
- c. All allocations of water use to non-essential industrial, commercial, and Institutional customers shall be reduced to amounts as established by the Sharyland WSC.
- d. Restaurants may serve water only on request. Misters/cooling sprays may not operate at commercial facilities except between 4:00 p.m. and 9:00 p.m.
- e. The maximum monthly water use allocation for residential customers may be established with revised rate schedules and penalties by the Board of Directors on recommendation by the Sharyland WSC.
 1. Irrigation is permitted only by:
 - i. Handheld or faucet filled bucket;
 - ii. Continuously handheld hoses with auto shutoff nozzle;
 - iii. Drip irrigation from 6:00 a.m. to 8:00 a.m., once every ten (10) days, unless using recycled or efficient water systems, and by a schedule established by the General Manager.
- f. A water use conservation fee will be applied to all members in Stage 5 as follows:
 1. Residential members whose monthly water consumption exceeds 10,000 gallons will incur a conservation fee of \$1.00 for each additional 1,000 gallons.
 2. Commercial members whose monthly water consumption exceeds 35,000 gallons will incur a conservation fee of \$1.00 for each additional 1,000 gallons.
 3. Institutional members water consumption will incur a conservation fee of \$0.50 for each 1,000 gallons.

A summary of conservation fees and thresholds can be found in Exhibit B.

Stage 6: Water Allocation

During Stage Six, the U.S. combined water levels of Amistad and Falcon Reservoirs reach a storage capacity low of 10%. At this point, Sharyland WSC will initiate a system-wide water use reduction goal of six (6%). All elements of Stage 2 through Stage Five restrictions shall remain in effect in Stage Six except that:

- a. All landscape irrigation, vehicle washing, pool filling, misters/cooling sprays, and any additional measures deemed as water waste by Sharyland WSC are hereby prohibited.

A water use conservation fee will be applied to all members in Stage 6 as follows:

1. Residential members whose monthly water consumption exceeds 5,000 gallons will incur a conservation fee of \$1.00 for each additional 1,000 gallons.
2. Commercial members whose monthly water consumption exceeds 20,000 gallons will incur a conservation fee of \$1.00 for each additional 1,000 gallons.
3. Institutional members water consumption will incur a conservation fee of \$0.75 for each 1,000 gallons.

A summary of conservation fees and thresholds can be found in Exhibit B.

Additionally, under a Hidalgo County Order in the event of a water shortage crisis that threatens public health, safety, and welfare, the General Manager is hereby authorized to allocate water according to the following priorities so that the remaining water is available for essential health- and safety-related uses. The priority list for water use during severe drought will be the following:

- Priority 1 – Hospitals and Medical Facilities, including Dialysis Centers
- Priority 2 – Emergency Water Facilities
- Priority 3 – Fire Protection
- Priority 4 – Residential
- Priority 5 – Schools
- Priority 6 – Commercial
- Priority 7 – Industrial
- Priority 8 – Recreation/Aesthetics

Section X: Additional Water Sources and Push-Water

The Sharyland WSC will take necessary measures to acquire an additional water source such as adjoining water suppliers and reservoirs. However, during a case of severe drought, though rare, water utilities may need to pay for push-water. Push-water is the irrigation district's method to fill the canal allowing conveyance of actual source water to the respective utility for water treatment. A delivery fee for push-water may use multipliers and other parameters to quantify conveyance for each water utility. Based on the severity of the drought, push water may take effect in any drought contingency stage at an additional delivery fee of \$0.25/1000 gallons. However, should the parameters change, the utility reserves the right to adjust push water rates accordingly to sustain water demands.

Section XI: Review Committee – Formation, Powers, & Duties

Upon approval of this Drought Contingency Plan, the General Manager will establish a Review Committee to review hardship and special cases involving customers, persons, or property utilizing the Sharyland WSC's water that cannot abide by the provisions of this Plan. The Review Committee will consist of the Corporation's General Manager, Water Operations Manager, Planning Manager, Financial Analyst, and Office Manager. The General Manager will be the Chairman of the Review Committee, and the Water Operations Manager will be the Vice-Chairman.

All requests for a variance to the provisions of this Plan must be submitted to the Review Committee in writing and must state the circumstances supporting the request. The Review Committee is authorized to grant variances from the provisions of this Plan if, owing to peculiar circumstances, an undue hardship will result, and the granting of the variance will not be contrary to the public interest.

All decisions of the Review Committee will be reported to the Sharyland WSC Board of Directors at the next regularly scheduled Board Meeting. If the Review Committee denies a request for a variance, an appeal can be made to the Board of Directors at the next regularly scheduled Board Meeting. If a protest is received after the granting of a variance, the Review Committee will refer the protest to the Board of Directors at the next regularly scheduled Board Meeting. The decisions of the Board of Directors are final.

Section XII: Variances

The General Manager, or his/her designee, may, in writing, grant 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:

- a. 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.
- b. 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 Ordinance shall file a petition for variance with the Sharyland WSC within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the Review Committee, or his/her 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 Ordinance.
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.
8. Other pertinent information.

No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

All decisions of the Review Committee will be reported to the Board of Directors at the next regularly scheduled Board meeting. If the Review Committee denies a request for a variance, an appeal can be made to the Board of Directors at the next regularly scheduled Board meeting. If a protest is received after the granting of a variance, the Review Committee will refer the protest to the Board of Directors at the next regularly scheduled Board meeting. The decisions of the Board of Directors are final.

Section XIII: Violations, Penalties, and Enforcement

- a. No person shall knowingly or intentionally allow the use of water from the Sharyland WSC’s system for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provisions of this Plan.
- b. Any person or customer who violates this Plan will be issued a warning on the first offense. Each day that anyone or more of the provisions of this Plan are violated will constitute a separate offense. If a customer receives a notice of violation for two or more distinct violations in any one (1) day period, the General Manager will, upon due notice, be authorized to discontinue water service to premises where the violations occurred, and a fee will be required to be paid before service is restored. Should any person or customer receive a second notice of violation, water service will be discontinued, locked, and a flow restriction device may be installed at the customer’s meter at the customer’s expense, and a second fee will be required to be paid before service is restored. Should a customer’s water service be discontinued for a third time, then the fee for restoring water service shall be doubled.
 - 1. For any customer whose meter equivalent one (1), water service will be restored after the first disconnection for a fee of \$50. For any customer whose meter equivalent is greater than one (1), water service will be restored after the first disconnection for a fee of \$50 per meter equivalent. After the second disconnection, water service will be restored only after a second fee of \$50 per meter equivalent is paid. A flow restriction device may be installed at the customer’s meter at the customer’s expense. This device will remain connected to the customer’s meter until the Corporation returns to Stage 2 or less. After the third and additional disconnections, water service will be restored only after a fee of \$100 per meter equivalent has been paid.

Meter Size Equivalency:		1st & 2nd Fee	3rd Fee+
5/8”- 3/4” meter	= 1	\$50	\$100
1.0” meter size	= 2	\$100	\$200
1.5” meter size	= 3	\$150	\$300
2.0” meter size	= 4	\$200	\$400
3.0” meter size	= 5	\$250	\$500
4.0” meter size	= 6	\$300	\$600
Greater than 4.0”	= 7	\$350	\$700

2. The above conservation fees and termination provisions may not apply if the water used resulted from a loss of water (i.e., water leak) through no fault of the customer. The customer will have to prove that immediate steps were taken to correct the leak after its discovery and that the customer was not in any way negligent in causing or permitting the loss of water.
- c. Any Sharyland WSC employee may issue a notice of violation to a person he/she reasonably believes to have committed a violation of this Plan. The notice of violation will be prepared in duplicate and will contain the name of the member and the tenant, if any, the address, the alleged violation, and the date.
- d. The customer in apparent control of the property where a violation occurs or originates will be presumed to be the violator, but the customer will have the right to show that he/she did not commit the violation. The customer will be presumed to be responsible for minor children and for anyone residing in the customer's household who commits a violation.

Exhibit A: Drought Contingency Watering Schedule Map



Exhibit B: Drought Contingency Conservation fee per Stage

Drought Contingency Stage Conservation Fees					
	Conservation Fees	Stage 4	Stage 5	Stage 6	Units
Residential	\$1.00	15,000	10,000	5,000	per 1000/gals
Commercial	\$1.00	60,000	35,000	20,000	per 1000/gals
Institutional	→	\$0.25	\$0.50	\$0.75	per 1000/gals

PART B.

Water Conservation Plan – Sharyland WSC

Section I. System Profile

Sharyland Water Supply Corporation ("SWSC") is a legally chartered, non-profit, rural water supply corporation, operating under the laws of the State of Texas for the purpose of providing a potable water supply to rural residents in central Hidalgo County as described in Certificate of Convenience and Necessity Number (CCN) 10558. The certificate boundary encompasses approximately 133 square miles and is contiguous to the cities of McAllen, Mission, and Edinburg. The SWSC also, serves the City of Alton, Texas, the City of Palmhurst, Texas, and the small community of McCook, Texas.

The system presently serves 22,078 – meter connections. The Board of Directors consists of 7 members of the SWSC and are elected by the membership of the SWSC. The General Manager and staff are employed by the Board of Directors to administer the operating policies and rules of the SWSC.

The SWSC's water treatment and distribution systems include the following:

- 1.1 Three (3) water treatment plants (WTP) with a total capacity of twenty-two (22) million gallons per day. WTP 1 can produce six (6) million gallons per day, WTP 2 can produce eight (8) million gallons per day and WTP 3 can produce eight (8) million gallons per day. All WTPs are supplied by (2) separate irrigation canal systems which, in the event of a canal failure, give the SWSC the ability to supply its distribution system from either of three WTPs. All three WTPs have emergency backup generators systems that are capable of supplying power to operate the WTP.
- 1.2 The SWSC also has four (4) each, one-million-gallon ground storage tank (GST); one (1) each, two million gallon GST; two (2) each, one million gallon elevated storage tank (EST); one (1) each, 250,000 gallon EST; and one (1) each, 50,000 gallon EST which supplement the system in periods of high demand.
- 1.3 In the event of a supply source contamination the affected plant can be shut down and the remaining two (2) WTPs can serve the system until the problem is resolved.
- 1.4 A major pump failure will not affect the water system since all high service pump stations have pump redundancy. Spare pump components are on hand for immediate repairs when necessary.
- 1.5 Interconnection with another water system is unnecessary at this time due to the redundancy of our system but could be accomplished in an emergency by connecting to the City of Edinburg or the City of McAllen's distribution system in several different locations.

Section II. Water Conservation Targets and Goals

SWSC's 2019 to 2023 historical average per capita water demand is 140 gallons per capita per day (GPCD), which is well below the Region M Water Planning Group's 2026 regional projections and strives to be one of the lowest in the Rio Grande Valley. SWSC will engage in conservation efforts to maintain this characteristically low GPCD over the next ten years, in order to maintain a 140 GPCD demand in 2033. This will require active conservation efforts to maintain, as our service area continues to grow and develop from traditional agricultural land uses to a more mixed variety of agricultural, residential, and commercial uses. The Plan is to implement Best Management Practices and other conservation techniques to achieve this goal.

SWSC's 5-year and 10-year plan is to sustain a water loss of no more than five (5%) percent. This goal is achievable by continuing to flow our water system's Master Plan which incorporates an Advanced Meter Infrastructure (AMI) program. The Master Plan will strategically design distribution infrastructure improvements that will better control water system pressures, thus reducing waterline breaks. Also, an AMI program aims in not only meter reading efficiency, but most importantly, educating our water community by taking a pro-active approach in pinpointing water leaks by system alerts and trending analysis. Ensuring water system conveyance from the plant to the customer is crucial in reducing the overall GPCD water loss. These measures will help SWSC maintain a water loss average of less than 10 GPCD over the course of the next ten (10) years, even as our system grows, and we continue to renew our aging assets. SWSC is consistently meeting water loss reduction goals and will continue to monitor water loss as required.

Section III. Raw Water Metering

All meters that measure the amount of raw water received at each water treatment plant shall be maintained within an accuracy level of + - 5%. This requirement is also stated in contracts with raw water suppliers.

Section IV. Treated Water Metering

All water service connections shall be metered and maintained by the SWSC. The use of AMI and analytical software such as READY Manager from Kamstrup, SWSC will be able to detect real-time high water use to better serve customers and conserve water. Additional information on metering policies is contained in the SWSC Tariff. The SWSC will continue its meter maintenance policy of testing, repairing and/or replacement of all meters that do not meet AWWA standards.

Section V. Leak Detection and Unaccounted for Water

The SWSC Meter Readers are trained in the detection of water leaks as well as utilizing innovative smart meter technology. SWSC will respond to AMI system alerts as well to reports from customers of a suspected water leak in the system. All reported leaks are investigated immediately and repaired within 24 hours. All water main leaks are repaired immediately, regardless of the time of day.

Section VI. Public Education / Water Conservation

The SWSC will continue to provide water conservation materials to its customers through handouts and by providing a copy of the Tariff to all new customers and include a copy of the Conservation Plan via email or postal mail upon request.

Section VII. Water Rate

The SWSC will maintain its current inclining rate schedule for all users of the system to promote water conservation.

Section VIII. Records Management

The SWSC will continue to manage its records with a web-based system known as Web-Logics that allows for the segregation of water sales and uses into user classes. Additionally, the READy Manager software defines and categorizes the various users and classifies them in specific areas such as residential single-family, multi-family, commercial, industrial, and institutional. Our water distribution system utilizes a Geographical Information System (GIS) that incorporates the Environmental Systems Research Institute (ESRI) ArcGIS Online and related applications to record and map SWSC's entire distribution infrastructure.

Section IX. Wholesale Water Supply Contracts

The SWSC does not provide Wholesale water to any individuals or entities at this time.

Section X. Total Power Outage Event

Power Outage:	None	>12hrs	>24hrs	>48hrs	>72hrs	>96hrs
WTPs PSI:	Normal	<65 PSI	<55 PSI	<45 PSI	<35 PSI	<25 PSI
System Storage:	Normal	<65 %	<55 %	<45 %	<35 %	<25 %
Response:	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Conservation:	Voluntary	2 %	3 %	4 %	5 %	6%


Goal: Reduction in water use or to the level of water consumption to that amount necessary that will provide adequate water to protect and preserve public health, welfare, and safety and minimize the adverse impacts of low water pressures and supply shortages during a total water system power outage until normal system conditions resume.

Stage Water Use Restrictions: Power outage duration in combination with low water pressure and total system water storage will follow the water conservation response for the corresponding Stage as set forth in Part A of the Sharyland WSC Drought Contingency Plan.

Section XI. Plan Enforcement

The General Manager, and staff, shall enforce the Drought Contingency Plan and the Water Conservation Plan with the authority of the Board of Directors.

THIS DROUGHT CONTINGENCY PLAN and WATER CONSERVATION PLAN WAS ADOPTED BY THE BOARD OF DIRECTORS AT A REGULAR MEETING HELD ON OCTOBER 17, 2024. THIS PLAN SHALL BE INCLUDED IN THE SHARYLAND WATER SUPPLY CORPORATION'S TARIFF AS SECTION G AND UPDATED ACCORDINGLY AS REQUIRED.



President



Secretary-Treasurer



General Manager

**RESOLUTION FOR ADOPTION OF A
DROUGHT CONTINGENCY PLAN AND
WATER CONSERVATION PLAN**

RESOLUTION NO. 10172024

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE **SHARYLAND WATER SUPPLY CORPORATION** ADOPTING A DROUGHT CONTINGENCY PLAN and WATER CONSERVATION.

WHEREAS, the Board recognizes that the amount of water available to the Sharyland Water Supply Corporation and its water utility customers is limited and subject to depletion during periods of extended drought;

WHEREAS, the Board recognizes that natural limitations due to drought conditions and other acts of God cannot guarantee an uninterrupted water supply for all purposes;

WHEREAS, Section 11.1271, 11.1272, and 11.039 of the Texas Water Code (TAC) and applicable rules of the Texas Commission on Environmental Quality require all public water supply systems in Texas to prepare and adopt a Drought Contingency Plan and Water Conservation Plan; and

WHEREAS, as authorized under law, and in the best interests of Sharyland Water Supply customers, the Board deems it expedient and necessary to establish certain rules and policies through a Drought Contingency Plan and Water Conservation Plan for the orderly and efficient management of limited water supplies during drought and other water supply emergencies;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE SHARYLAND WATER SUPPLY CORPORATION:

SECTION 1. That the Drought Contingency Plan and Water Conservation Plan attached hereto as Part A & B respectively, and made part hereof for all purposes be, and the same is hereby, adopted as the official policy of Sharyland Water Supply Corporation.

SECTION 2. That the General Manager is hereby directed to implement, administer, and enforce the Drought Contingency Plan and Water Conservation Plan.

SECTION 3. That this resolution shall take effect immediately upon its passage.

DULY PASSED BY THE BOARD OF DIRECTORS OF THE Sharyland Water Supply Corporation, ON THIS 17th day of October 2024.



President, Board of Directors



General Manager of Sharyland WSC

ATTESTED TO:



Secretary, Board of Directors