



**HORIZON REGIONAL  
MUNICIPAL UTILITY DISTRICT**

**WATER CONSERVATION  
PLAN**

**Submitted To:**

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

**Prepared For:**

**HORIZON REGIONAL  
MUNICIPAL UTILITY DISTRICT**

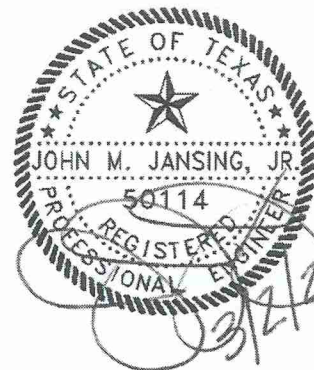
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**August 2019**

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Revised 3/2/20

**HORIZON REGIONAL MUNICIPAL UTILITY DISTRICT  
WATER CONSERVATION REPORT**

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**HORIZON REGIONAL MUNICIPAL UTILITY DISTRICT  
WATER CONSERVATION REPORT**

**LIST OF ATTACHMENTS**

Attachment 1	Drought Contingency Plan
Attachment 2	Water Conservation Utility Profile
Attachment 3	Rate Structure

1277-11701-54

## **Section 1-- Introduction**

Horizon Regional Municipal Utility District (the District) has adopted the following Water Conservation Plan (Plan) in order to establish rules and regulations for the management of water resources during drought and other emergencies and to establish certain practices, techniques, and technologies that encourage water conservation within the District. The District has also adopted a Drought Contingency Plan setting forth specific requirements that will be implemented in the need of supply reduction. The District's Drought Contingency Plan is provided as Attachment 1.

The District has adopted the drought contingency portion of this Plan in accordance with Texas Administrative Code 30 Chapters 288.20 and 288.30(5)(B) requiring certain public water suppliers, including municipalities, to adopt a drought contingency plan by May 1<sup>st</sup>, 2005, and to update the Plan before May 1<sup>st</sup>, 2009 and every five years after that date.

A violation of the mandatory regulations of this Plan will constitute a violation of the District's rules and shall subject the violator(s) to penalties as defined in Section 14 of this Plan.

## **Section 2-- Authorization**

The District Manager (appointed by the District's Board of Directors) is hereby authorized and directed to implement and enforce the provisions of this Plan as adopted by the District's Board of Directors.

The provisions of this Plan shall apply to all individuals, customers, and property within the District's jurisdiction and to all individuals, customers, and property provided any service directly by the District and classified as "Out of District" customers.

For the purpose of this Plan, it shall be presumed that an individual, corporation, or association in whose name service was last billed and who is receiving the use or economic benefit of services by the District has knowingly made, caused, used, or permitted the use of services from the District.

## **Section 3-- Public Education and Awareness**

The District will periodically provide the public with information about the Plan, including information about the conditions under which each stage of the Drought Contingency Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of direct mailing on bills and/or newsletters, public meetings, website postings, events, posters and/or public displays.

#### **Section 4-- Water Conservation Plan Goals**

The goal of the District is to implement efficient water conservation regulations while not impacting its customers with increased costs. By being proactive the District hopes to benefit its customers in the long-term by extending the life of its water system infrastructure and water supply resources. Through this Plan the Districts aims to achieve a 5% reduction in water consumption per person in the next five years and a 10% reduction in the next ten years.

<b>2019 Gallons per Capita per Day Usage</b>	<b>Reduction Goal by 2024 5%</b>	<b>Reduction Goal by 2029 10%</b>
80 gpcd	76 gpcd	72 gpcd

#### **Section 5-- Background**

The District is the retail provider for approximately 11,000 current connections. These include single family and commercial connections to the District system. The District is located within El Paso County and is approximately 15 miles east of the City of El Paso Central Business District. The District boundary contains the Town of Horizon City and portions of the District are within the City of El Paso Extraterritorial Jurisdiction.

The Districts peak water demands occur during the summer months, June through August, reflecting an increase in demand attributed to increased landscape irrigation and recreational uses.

#### **Section 6-- Water and Wastewater Utility System Profile**

The complete Water Conservation Utility Profile for the District is provided as Attachment 2.

#### **Section 7-- Plumbing Codes**

The District has adopted the International Plumbing Code, which requires the use of water saving fixtures to be installed in new construction and in the replacement of plumbing in existing structures.

#### **Section 8-- Rebate and Retrofit Programs**

The District does not currently have a rebate program or retrofit program as the District has adopted the International Plumbing Code requiring the installation of water saving fixtures in all new construction and the replacement of those fixtures when necessary.

## **Section 9-- Universal Metering**

Supply to each retail customer and District facilities are recorded with digital and analog water meters. All meters are read monthly. The District will continue to provide a water meter preventive maintenance program by testing, repairing and replacing meters not operating in accordance with the American Water Works Association (AWWA) standards.

## **Section 10-- Water Conserving Landscape**

The following mandatory restrictions shall apply to all customers of or persons who use or receive water from the District:

1. All outdoor irrigation of grass, trees, plants, and other vegetation on residential or commercial property on the side of the street on which buildings are even numbered may be done only on Tuesday, Thursday, and Saturday and on the side of the street on which buildings are odd numbered, such vegetation may be irrigated only on Wednesday, Friday, and Sunday. In case of corner buildings having both odd and even numbers, the lower number shall be used.
2. All outdoor irrigation of grass, trees plants or other vegetation on industrial properties, parks golf courses, schools, and cemeteries are permitted only on Monday, Wednesday, and Friday. All other properties, not falling within the industrial classification described in this subparagraph, shall be considered residential and shall be watered in accordance with the requirements of Section 10.1 above. These restrictions do not apply where effluent and non-potable water only is used for irrigation.
3. From April 1<sup>st</sup> to September 30<sup>th</sup>, all outdoor irrigation of vegetation shall occur only between the hours of 6 p.m. and 10 a.m. Outdoor irrigation is prohibited between the hours of 10 a.m. and 6 p.m.
4. The District shall have the authority to review special situations and hardship cases upon application by any customer.
5. Landscape irrigation plans for commercial sites of five (5) acres or more will be restricted to no more than 25% of the landscape area for lawn purposes. Landscape plans will be submitted with plans and specifications when requesting extension of service. The landscape plan will be reviewed and approved as part of the primary plans and specifications. Failure to submit landscape plans will result in delay or disapproval of the project. Non-compliance after approval has been given will result in termination of service.

The following considerations are encouraged for incorporation into planning by homeowners, businesses, landscape architects, and irrigation contractors seeking to build within the District:

- Installation of native drought resistant plants and grasses
- The use of drip irrigation systems or water conserving irrigation systems with efficient sprinklers

### **Section 11-- Rate Structures for Water and Wastewater**

The water and wastewater rate structure is provided as Attachment 3. Water conservation is encouraged by the District through the block rate structure to provide lower rates for conservative usage and higher block rates for higher water users. The District's rate structure will remain in place in continuing to promote water conservation.

### **Section 12-- Unaccounted Water Use, Leak Detection and Water Audits**

The District continually monitors the system for leak detection and maintains an inventory of supplies to promptly repair leaks detected or reported. Visual inspections are routinely performed and customers can submit service requests through the District Manager.

The system has been designed to minimize the number of dead ends. The flushing of lines shall be as needed. There is no routinely scheduled flushing in order to conserve water.

### **Section 13-- Recycling and Reuse**

The District is permitted to reuse its treated effluent for land application within the Horizon Golf Club and designated pasture land areas.

### **Section 14-- Implementation and Enforcement**

The District Manager, or other designee appointed by the Board of Directors, will administer and enforce any and all rules and regulations put in place by this Plan, and will oversee and be responsible for the execution and implementation of all portions of this Plan. The District Manager will be responsible for monitoring the water use restrictions set forth in the Drought Contingency Plan and shall advise the Board of Directors when the need for requiring the declaration of drought trigger conditions arise. The District Manager shall report the violations of water use restrictions to the Board of Directors for enforcement and possible penalties as outlined in Article 10 of the Drought Contingency Plan. The Drought Contingency Plan is provided as Attachment 1.

### **Section 15-- Monitoring and Reporting**

The District Manager shall submit monthly reports to the Board of Directors showing water pumped and water billed to customers by month for the previous 12 months.



Additionally, the Districts Manager will perform an annual audit to determine unaccounted water losses for the previous calendar year and submit a report to the Board of Directors and/or the Texas Commission on Environmental Quality (TCEQ), if required.

### **Section 16-- Coordination with Regional Water Planning Group**

The service area for the District is located within the Region E Water Planning Area as defined by the Texas Water Development Board and within the Rio Grande Council of Governments, Far West Texas Water Planning Group. The District will provide a copy of the adopted Plan to each.

### **Section 17-- Water Supply System**

The District's source for water supply is provided by groundwater. The District is not currently obtaining any water from surface water sources, either directly or under contract.

The existing reverse osmosis water treatment plant is currently capable of producing 8,000,000 gallons per day (gpd) of potable water from raw water provided by eight wells capable of providing 10,224,000 gpd. In addition, the District has 10 wells that provide 1,238,400 gpd of potable quality water is directly integrated into the supply system. The combined supply is equivalent to approximately 11,548 single family connections.

The District does not have an existing interconnect with any municipality.

### **Section 18-- Wastewater System**

The District's owns and operates a single complete mix wastewater treatment plant with a capacity of 3.0 million gallons per day (MGD). Treated effluent disposal is managed by land application and direct discharge. The District does not receive additional wastewater treatment capacity from facilities owned by other entities. The District's wastewater treatment plant currently serves approximately 8,300 connections.



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## **Attachment 1 Drought Contingency Plan**

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**HORIZON REGIONAL MUNICIPAL UTILITY DISTRICT**

**DROUGHT CONTINGENCY  
PLAN**

**Submitted To:**

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

**Prepared For:**

**HORIZON REGIONAL MUNICIPAL UTILITY DISTRICT**

**Prepared By:**

**TRE & Associates, LLC.  
Austin, Texas**

**February 2019**



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**Drought Contingency Plan  
For  
Horizon Regional Municipal Utility District  
February 2019**

**Article 1-Declaration of Policy, Purpose and Intent**

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, the Horizon Regional Municipal Utility District (the District) hereby adopts the following regulations and restrictions on the delivery and consumption of water through a resolution.

Water uses regulated or prohibited under this Drought Contingency Plan (the Plan/DCP) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition is deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section 10 of this Plan.

The DCP is prepared and adopted by the District pursuant to Texas Administrative Code Section 288.20-288.22, Drought Contingency Plans.

**Article 2-Public Involvement**

Opportunity for the public to provide input into the preparation of the Plan was provided by the District by means of scheduling and providing notice of a public meeting to accept input on the Plan.

**Article 3-Public Education**

The District will periodically provide the public with information about the Plan, including information 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. This information will be provided by means of direct mailing on bills and/or newsletters, public meetings, website posting, events, posters and/or public displays.

**Article 4-Coordination with Regional Water Planning Groups**

The service area of the District is within the Rio Grande Council of Governments, Far West Texas Water Planning Group. The District has provided a copy of the DCP to the Far West Texas Water Planning Group.

## **Article 5-Authorization**

The Board of Directors (Board), or designee, is hereby authorized and directed to implement the applicable provisions of the DCP upon determination that such implementation is necessary to protect public health, safety and welfare. The Board, or designee, shall have the authority to initiate or terminate drought or other water supply emergency responses as described in this DCP. The Board has the authority to reduce supply based on a pro-rata basis in accordance with Texas Water Code 11.039, copy attached.

## **Article 6-Application**

The provisions of the DCP shall apply to all persons, customers and property utilizing water provided by the District. The terms "person" and "customer" as used in the DCP include individuals, corporations, partnerships, associations and all other legal entities.

## **Article 7-Definitions**

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

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

Bulk Meter: a large meter serving multiple apartments, apartment buildings, or town homes.

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, detention facilities, schools 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.

Construction Meter:

- a) 3/4 meter for home construction.
- b) 2" Temporary Hydrant Meter for site and dirt work construction.

Customer: any person, company, or organization using water supplied by the District.

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.

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

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.

Living Unit Equivalency (LUE): Measurement used to determine demand as follows:

<u>Meter Size</u>	<u>No. of Living Unit Equivalents</u>
• 5/8" X 3/4"	1.0
• 1"	2.5
• 1 1/2"	5.0
• 2"	8.0
• 3"	16.0
• 4"	25.0
• 6"	50.0
• 8"	93.0
• 10"	133.0

Master Meter: a large (2" or bigger) meter serving large commercial or industrial complexes requiring large volumes of supply.

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

- Irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this DCP;
- Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
- Use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
- Use of water to wash down buildings or structures for purposes other than immediate fire protection;
- Flushing gutters or permitting water to run or accumulate in any gutter or street;
- Use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools;
- Use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
- Failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s); and

- Use of water from hydrants for construction purposes or any other purposes other than firefighting.

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

Out of District Service: water and or sewer service provided outside the boundaries of the District through special contracts.

### **Article 8-Criteria for Initiation and Termination of Drought Response Stages**

The Board or its designee shall monitor water supply and/or demand conditions on a weekly basis and shall determine when conditions warrant initiation or termination of each stage of the DCP, that is, when the specified "triggers" are reached.

The triggering criteria described below are based on system capacity limits, and the water levels in the District's wells. However, the Board in the exercise of the Board's discretion, may initiate or terminate any stage when the Board deems it necessary at any time. The expected conservation measures under normal supply conditions and the triggers associated with drought imposed restrictions are described in the following.

#### **Normal Conditions**

The following mandatory restrictions shall apply to all customers served by the District.

- Landscape watering is allowed three days a week. Residents with even numbered addresses may water on Tuesdays, Thursdays and Saturdays. Residents with odd numbered addresses may water on Wednesdays, Fridays and Sundays. Parks and schools may water on Mondays, Wednesdays and Fridays.
- Landscape watering is prohibited from 10 a.m. to 6 p.m. between April 1 and September 30.
- Plants that must be watered daily, must be watered from a container or a drip irrigation system - not a hose.
- Lawns treated with chemicals that require immediate irrigation can be watered if the land owner secures a variance from the District.
- Car washing is permitted only with a bucket or hand-held hose with a shut-off valve.
- Washing sidewalks, driveways, tennis courts, patios and other such surfaces is prohibited.
- Allowing water to run onto a sidewalk or street is forbidden.
- New bleeder lines for evaporative coolers can be no larger than 1/8 inch in diameter.
- Large permanent water users - individuals, apartment complexes, schools or businesses that use an average of 10,000 gallons or more a day must submit a Water Conservation Plan and DCP to the District.



## **Stage 1 Triggers -MILD Water Shortage Conditions**

### Requirements for initiation

Initiation will begin when the total daily water demand reaches 80 percent of the District's supply capacity for five (5) consecutive days.

### Response and Goal

Customers shall be requested to voluntarily conserve water and strictly adhere to the prescribed restrictions on certain water use as described in the Normal Conditions. A voluntary 10% reduction in water use will be sought.

### Requirements for termination

Stage 1 of the DCP may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of five (5) consecutive days.

## **Stage 2 Triggers -MODERATE Water Shortage Conditions**

### Requirements for initiation

Initiation will begin when total daily water demands reach 90 percent of the District's capacity for five (5) consecutive days.

### Response and Goal

Customers shall be required to comply with the restrictions of the Normal Conditions plus the following additional restrictions will be implemented.

1. No new filling or refilling of pools. Topping off of existing pools will be allowed. All pools must be covered when not in use.
2. No car washing will be allowed except at commercial centers providing that service.
3. Customers will be asked to:
  1. Utilize water reuse where possible.
  2. Check for and fix leaks.
  3. Install aerators on faucets.
  4. Use less water for bath or reduce shower time.
  5. Wash only full loads of dishes and use water efficient settings if available.
4. The use of water for construction purposes from designated fire hydrants with bulk meter contracts will be limited or discontinued once the customer is notified 24 hours in advance. Issuance of construction meters will be discontinued.

The goal will be a 15% reduction in usage.

### Requirements for termination

Stage 2 of the DCP may be rescinded when the conditions listed as triggering events have ceased to exist for a period of five (5) consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.

### **Stage 3 Triggers -SEVERE Water Shortage Conditions**

#### Requirements for initiation

Initiation begins when water demands equal or exceed 95 percent of the District's capacity for three (3) consecutive days and weather conditions indicate a continuation of extreme heat.

#### Response and Goal

In addition to normal restrictions and restrictions applied through Stage 2, the following restrictions will apply:

Landscape watering will be allowed only one day a week as follows:

- All customers north of Horizon Boulevard with even addresses will be allowed to water on Saturdays before 10 a.m. or after 6 p.m.
- All customers north of Horizon Boulevard with odd addresses will be allowed to water on Sundays before 10 a.m. or after 6 p.m.
- All customers south of Horizon Boulevard with even addresses will be allowed to water on Tuesdays before 10 a.m. or after 6 p.m.
- All customers south of Horizon Boulevard with odd addresses will be allowed to water on Wednesdays before 10 a.m. or after 6 p.m.

The goal is to reduce usage to a point the District can revert to the previous stage and continue to reduce usage until 20% reduction is secured.

#### Requirements for termination

Stage 3 of the DCP may be rescinded when the conditions listed as triggering events have ceased to exist for a period of five (5) consecutive days. Upon termination of Stage 3, Stage 2 becomes operative.

### **Stage 4 Triggers -CRITICAL Water Shortage Conditions**

#### Requirements for initiation

Initiation begins when demands meet 100 percent of capacity for three (3) consecutive days.

#### Response and Goal

All previous restrictions will apply. In addition, no landscape irrigation use will be allowed. Water rationing may be put in effect by allowing 6,000 gallons per month for the first Living Unit Equivalency (LUE) and an additional 3,000 gallons per month for each subsequent LUE as defined in Definitions.

Customers will be notified by local radio, television and newspaper of the water use restrictions, penalties for violation, and expected duration. Schools and historically large water consumers within the District will be notified immediately by telephone and/or email. The goal is to reduce usage to a point the District can revert to the previous stage and continue to reduce usage until 25% reduction is secured.

Requirements for termination

Stage 4 of the DCP may be rescinded when conditions listed as triggering events have ceased to exist for a period of five (5) consecutive days. Upon termination of Stage 4, Stage 3 becomes operative.

**Stage 5 Triggers -EMERGENCY Water Shortage Conditions**

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions for Stage 5 of this Plan when the Board or their designee determines that a water supply emergency exists based on:

1. Demands continue to meet 100 percent of the system capacity after Stage 4 restrictions;  
or
2. Major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; or
3. Natural or man-made contamination of the water supply source(s).

Response and Goal

Customers will discontinue all non-essential and landscape irrigation water use until evaluation of the impact and expected duration is complete. Upon determination, the Board or their designee will initiate public information alerts using both print and electronic media noting water use restrictions and expected duration. Schools and historically large water consumers will be notified immediately by telephone. The goal under an emergency water shortage will be to maintain sufficient pressure in the system for emergency uses including firefighting or other activities necessary to maintain public health, safety and welfare.

Requirements for termination

Stage 5 of the DCP may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 24 hours.

**Article 9 -Notification**

Notification to the Public:

The public will receive notification of each stage of drought through press releases to local newspapers, radio and television stations and posted notices throughout the District. Telephone calls, emails, and faxes will be sent to institutions and critical water users.

### Additional Notification

Mayor of Horizon City  
Superintendents of Socorro ISD and Clint ISD  
Emergency Services Districts 1 & 2  
Avalon Correction Facilities  
Large industrial users  
Hospitals and Medical Care Facilities

### **Article 10-Enforcement and Penalties**

#### First Violation

Any customer who violates this DCP shall receive written notification of such violation, which notice shall set the date of the violation, the nature of the violation, the drought response measures then in effect and the penalties applicable for any further violation of this DCP; provided, however, that if such person or entity has previously violated this DCP, the penalties set forth in the following paragraph may, at the discretion of the Board, be imposed.

#### Monetary Penalties for Noncompliance

If any person or entity violates any provision of this DCP more than one time (which violation shall constitute an unauthorized use of District services and/or facilities), then the Board may impose a penalty pursuant to the provisions of the District's Rules and Regulations regarding water, sewer and solid waste service penalties for violations. Each day that a breach of any provision of this DCP continues shall be considered a separate violation. This penalty shall be in addition to any other legal rights and remedies of the District as may be allowed by law.

Disconnection for Noncompliance If any person or entity violates any provision of the DCP more than two (2) times, which violation shall constitute an unauthorized use of District services and/or facilities, then, in addition to any other remedies, penalties, sanctions and enforcement procedures provided for herein, the District shall have the right to terminate water service to such person or entity after notice of any other procedural requirements in the Rules and Regulations Regarding water, sewer and solid waste services are satisfied.

#### Payment of Expenses

Any person or entity that violates any provision of this DCP shall reimburse the District for any and all expenses incurred by the District, including reasonable attorneys' fees, in enforcing the terms of this DCP.

### **Article 11-Variances**

The Board of Directors or its designee may, in writing, grant a temporary variance for existing water uses otherwise prohibited under this DCP if it is determined that failure to grant such a variance would cause an emergency condition adversely affecting the health, sanitation, or fire

protection of the public or the person requesting such variance and if one or more of the following conditions are met:

1. Compliance with the DCP cannot be technically accomplished during the duration of the water supply shortage or other condition for which the DCP is in effect.
2. Alternate methods can be implemented which will achieve the same level of reduction in water use.
3. In the event of Stage One or Two condition if it is proven that a financial burden will ensue to the customer if a construction meter is discontinued.

Persons requesting an exemption from the provision of this DCP shall file a petition for variance with the Board or their designee within five (5) days after the DCP or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the Board of Directors or their designee and shall include the following:

1. Name and address of petitioner(s).
2. Purpose of water use.
3. Specific provisions(s) of the DCP from which the petitioner is requesting relief.
4. Detailed statement as to how the specific provision of the DCP adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this DCP.
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 DCP and the compliance date.

Variances granted by the Board or its designee shall be subject to the following conditions, unless waived or modified by the Board or their designee.

1. Variances granted shall include a timetable for compliance.
2. Variances granted shall expire when the drought condition is no longer in effect.

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

## **Article 12-Exemptions**

The restrictions set forth in Article 8 shall not apply to the following uses of water:

1. To alleviate conditions threatening health, safety, or welfare of the public;
2. For municipal operations of flushing water lines for public health purposes;
3. For the suppression of fires; and
4. For watering grass or plants using gray water.

### **Article 13-Additional EMERGENCY Water Shortage Measures**

In the event that an emergency condition is created by the prolonged shortage of potable water the following emergency measures will be utilized to provide water to customers:

1. Bottled water for consumption will be purchased and distributed to points within the District that will be advertised on media outlets specified on Article 9 above. Employees of the District will deliver bottled water to those customers that are unable to reach distribution points due to infirmity or lack of transportation.
2. Sterile tanker trucks will distribute water to those customers that are equipped to receive bulk water deliveries. Bulk water will only be used for non-consumption purposes but all limitations on water use imposed by Article 8 will still apply.
3. The Emergency Service District will be asked to fill pumper trucks and fire tankers at available well sites outside the District service area.



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## TEXAS WATER CODE 11.039

1277-11684-54

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water necessary for these purposes at reasonable and nondiscriminatory prices.

Amended by Acts 1977, 65th Leg., p. 2207, ch. 870, Sec. 1, eff. Sept. 1, 1977; Acts 2001, 77th Leg., ch. 966, Sec. 2.04, eff. Sept. 1, 2001.

Sec. 11.039. DISTRIBUTION OF WATER DURING SHORTAGE. (a) If a shortage of water in a water supply not covered by a water conservation plan prepared in compliance with Texas Natural Resource Conservation Commission or Texas Water Development Board rules results from drought, accident, or other cause, the water to be distributed shall be divided among all customers pro rata, according to the amount each may be entitled to, so that preference is given to no one and everyone suffers alike.

(b) If a shortage of water in a water supply covered by a water conservation plan prepared in compliance with Texas Natural Resource Conservation Commission or Texas Water Development Board rules results from drought, accident, or other cause, the person, association of persons, or corporation owning or controlling the water shall divide the water to be distributed among all customers pro rata, according to:

(1) the amount of water to which each customer may be entitled;  
or

(2) the amount of water to which each customer may be entitled, less the amount of water the customer would have saved if the customer had operated its water system in compliance with the water conservation plan.

(c) Nothing in Subsection (a) or (b) precludes the person, association of persons, or corporation owning or controlling the water from supplying water to a person who has a prior vested right to the water under the laws of this state.

Amended by Acts 1977, 65th Leg., p. 2207, ch. 870, Sec. 1, eff. Sept. 1, 1977; Acts 2001, 77th Leg., ch. 1126, Sec. 1, eff. June 15, 2001.

Sec. 11.040. PERMANENT WATER RIGHT. (a) A permanent water right is an easement and passes with the title to land.

(b) A written instrument conveying a permanent water right may be recorded in the same manner as any other instrument relating to a conveyance of land.

(c) The owner of a permanent water right is entitled to use water according to the terms of his contract. If there is no contract, the owner is entitled to use water at a just, reasonable, and nondiscriminatory price.





Engineering Solutions

## **Attachment 2 Water Conservation Utility Profile**

1277-11701.54

110 Mesa Park Drive, Ste. 200 El Paso, Texas 79912 P (915) 852-9093 F (915) 629-8506  
6101 W. Courtyard Drive, Bldg. One, Ste. 100 Austin, Texas 78730 P (512) 358-4049 F (512) 366-5374  
[www.tr-eng.com](http://www.tr-eng.com) TBPE Firm No. 13987

# UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Fill out this form as completely as possible.  
If a field does not apply to your entity, leave it blank.

## CONTACT INFORMATION

Name of Utility: Horizon Regional Municipal Utility District

Public Water Supply Identification Number (PWS ID): 0710005

Certificate of Convenience and Necessity (CCN) Number: \_\_\_\_\_

Surface Water Right ID Number: \_\_\_\_\_

Wastewater ID Number: \_\_\_\_\_

Completed By: Nadia E. Ganser, P.E. Title: Project Manager

Address: 6101 W. Courtyard, Ste 1-100 City: Austin Zip Code: 78730

Email: nganser@tr-eng.com Telephone Number: 512-358-4049

Date: 5/10/19

Regional Water Planning Group: E Map

Groundwater Conservation District: N/A Map

Check all that apply:

- Received financial assistance of \$500,000 or more from TWDB
- Have 3,300 or more retail connections
- Have a surface water right with TCEQ

# Section I: Utility Data

## A. Population and Service Area Data

- Current service area size in square miles: 91,000  
 (Attach or email a copy of the service area map.)
- Provide historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Service
2018	41,108		30,867
2017	39,961		29,978
2016	39,102		29,260
2015	38,293		28,576
2014	37,810		28,230

- Provide the projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Service
2020	42,758		32,190
2030	51,004		38,783
2040	59,250		45,376
2050	67,496		51,969
2060	75,742		58,562

- Describe the source(s)/method(s) for estimating current and projected populations.

Population was calculated using data provided by the District's General Manager for the number of connections and multiplied by the average population per connection of 3.8.

### B. System Input

Provide system input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Self-supplied Water in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2018	1,025,045,630			1,025,045,630	68
2017	1,028,620,019			1,028,620,019	71
2016	1,025,540,700			1,025,540,700	72
2015	981,546,200			981,546,200	70
2014	954,305,100			954,305,100	69
<b>Historic 5-year Average</b>	1,003,011,530	0	0	1,003,011,530	81

### C. Water Supply System (Attach description of water system)

1. Designed daily capacity of system 11,462,400 gallons per day.
2. Storage Capacity:  
 Elevated 2,300,000 gallons  
 Ground 2,800,000 gallons

3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons
Wells	Ground	2,095,935,980
	Choose One	
	Choose One	
	Choose One	
	Choose One	
	Choose One	

\*Select one of the following source types: *Surface water, Groundwater, or Contract*

4. If surface water is a source type, do you recycle backwash to the head of the plant?  
 Yes \_\_\_\_\_ estimated gallons per day  
 No

## D. Projected Demands

1. Estimate the water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Population	Water Demands (gallons)
2019	41,933	1,224,443,600
2020	42,758	1,248,521,920
2021	43,582	1,272,600,240
2022	44,407	1,296,678,560
2023	45,231	1,320,756,880
2024	46,056	1,344,835,200
2025	46,881	1,368,913,520
2026	47,705	1,392,991,840
2027	48,530	1,417,070,160
2028	49,354	1,441,148,480

2. Describe sources of data and how projected water demands were determined. Attach additional sheets if necessary.

Historical usage data was used to determine projected water demands. The District has an average growth rate of 215 connections per year. Each connection is multiplied by 3.8 to calculate the average population, then by the average 80 gpcpd and 365 days to obtain the water demand per year.

### E. High Volume Customers

1. List the annual water use, in gallons, for the five highest volume **RETAIL customers**. Select one of the following water use categories to describe the customer; choose Residential, Industrial, Commercial, Institutional, or Agricultural.

Retail Customer	Water Use Category*	Annual Water Use	Treated or Raw
Clint ISD	Institutional	22,063,600	Treated
EP Horizon Management LLC	Commercial	9,966,100	Treated
John C. Ensor School	Institutional	7,326,500	Treated
Dr. Sue Shook School	Institutional	6,412,000	Treated
Air System Components	Commercial	5,637,000	Treated

\*For definitions on recommended customer categories for classifying customer water use, refer to the online [Guidance and Methodology for Reporting on Water Conservation and Water Use](#).

2. If applicable, list the annual water use for the five highest volume **WHOLESALE customers**. Select one of the following water use categories to describe the customer; choose Municipal, Industrial, Commercial, Institutional, or Agricultural.

Wholesale Customer	Water Use Category*	Annual Water Use	Treated or Raw
	Choose One		Choose One
	Choose One		Choose One
	Choose One		Choose One
	Choose One		Choose One
	Choose One		Choose One

\*For definitions on recommended customer categories for classifying customer water use, refer to the online [Guidance and Methodology for Reporting on Water Conservation and Water Use](#).

### F. Utility Data Comment Section

Provide additional comments about utility data below.

## Section II: System Data

### A. Retail Connections

1. List the active retail connections by major water use category.

Water Use Category*	Active Retail Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Residential – Single Family	10,523		10,523	97%
Residential – Multi-family (units)			0	0%
Industrial			0	0%
Commercial	208		208	2%
Institutional	38		38	0%
Agricultural	49		49	0%
<b>TOTAL</b>	<b>10,818</b>	<b>0</b>	<b>10,818</b>	

\*For definitions on recommended customer categories for classifying customer water use, refer to the online [Guidance and Methodology for Reporting on Water Conservation and Water Use](#).

2. List the net number of new retail connections by water use category for the previous five years.

Water Use Category*	Net Number of New Retail Connections				
	2018	2017	2016	2015	2014
Residential – Single Family	10,523	10,234	10,018	9,464	9,703
Residential – Multi-family (units)					
Industrial					
Commercial	208	192	186	185	165
Institutional	38	39	38	38	39
Agricultural	49	51	48	46	43
<b>TOTAL</b>	<b>10,818</b>	<b>10,516</b>	<b>10,290</b>	<b>9,733</b>	<b>9,950</b>

\*For definitions on recommended customer categories for classifying customer water use, refer to the online [Guidance and Methodology for Reporting on Water Conservation and Water Use](#).

## B. Accounting Data

For the previous five years, enter the number of gallons of RETAIL water provided in each major water use category.

Water Use Category*	Total Gallons of Retail Water				
	2018	2017	2016	2015	2014
Residential - Single Family	871,455,100	828,032,919	766,627,039	867,069,300	830,455,300
Residential – Multi-family					
Industrial					
Commercial	67,540,800	65,598,300	65,574,700	64,492,400	63,631,300
Institutional	17,194,200	17,339,700	12,993,700	15,767,500	15,986,400
Agricultural	33,592,000	33,447,900	80,825,812	39,031,500	48,749,130
<b>TOTAL</b>	<b>989,782,100</b>	<b>944,418,819</b>	<b>926,021,251</b>	<b>986,360,700</b>	<b>958,822,130</b>

\*For definitions on recommended customer categories for classifying customer water use, refer to the online [Guidance and Methodology for Reporting on Water Conservation and Water Use](#).

## C. Residential Water Use

For the previous five years, enter the residential GPCD for single family and multi-family units.

Water Use Category*	Residential GPCD				
	2018	2017	2016	2015	2014
Residential - Single Family	21,200	20,722	19,606	22,644	21,964
Residential – Multi-family	0	0	0	0	0

## D. Annual and Seasonal Water Use

- For the previous five years, enter the gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Retail Water				
	2018	2017	2016	2015	2014
January	59,115,660	60,840,000	64,770,300	67,547,300	54,251,700
February	74,532,800	62,056,800	59,402,900	86,332,900	69,473,100
March	85,444,800	79,808,400	67,214,400	63,086,000	61,506,100
April	82,885,900	81,366,000	85,735,600	64,696,800	70,717,100
May	113,493,800	103,359,900	95,097,600	82,431,700	87,343,300
June	116,529,800	99,109,319	110,363,000	93,698,800	97,360,500
July	101,694,700	114,878,200	121,808,300	101,923,800	121,551,200
August	109,110,090	103,893,100	129,675,200	102,978,400	100,474,500
September	86,133,300	89,976,800	80,593,700	99,131,900	87,625,200
October	68,960,000	74,240,800	75,425,500	84,336,000	70,825,800
November	65,199,080	91,128,900	67,446,000	76,202,500	74,992,800
December	61,945,700	67,961,800	68,008,200	59,180,100	58,183,800
<b>TOTAL</b>	<b>1,025,045,630</b>	<b>1,028,620,019</b>	<b>1,025,540,700</b>	<b>981,546,200</b>	<b>954,305,100</b>



2. For the previous five years, enter the gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Retail Water				
	2018	2017	2016	2015	2014
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
<b>TOTAL</b>	0	0	0	0	0

3. Summary of seasonal and annual water use.

Water Use	Seasonal and Annual Water Use					Average in Gallons
	2018	2017	2016	2015	2014	
Summer Retail (Treated + Raw)	327,334,590	317,880,619	361,846,500	298,601,000	319,386,200	325,009,782 5yr Average
TOTAL Retail (Treated + Raw)	1,025,045,630	1,028,620,000	1,025,540,700	981,546,200	954,305,100	1,003,011,530 5yr Average

**E. Water Loss**

Provide Water Loss data for the previous five years.

$$\text{Water Loss GPCD} = [\text{Total Water Loss in Gallons} \div \text{Permanent Population Served}] \div 365$$

$$\text{Water Loss Percentage} = [\text{Total Water Loss} \div \text{Total System Input}] \times 100$$

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
2018	290,055,405	19	28%
2017	349,301,236	24	34%
2016	323,616,073	23	32%
2015	290,294,300	21	30%
2014	209,948,680	15	12%
<b>5-year average</b>	292,643,139	20	27%

**F. Peak Water Use**

Provide the Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2018	5,742,290	9,533,400	1.66
2017	6,449,301	9,303,300	1.44
2016	5,983,865	10,087,000	1.69
2015	4,901,734	8,175,000	1.67
2014	4,621,696	8,200,200	1.77

**G. Summary of Historic Water Use**

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF	832,727,932	97%	0%
Residential MF	0	0%	0%
Industrial	0	0%	0%
Commercial	65,367,500	2%	0%
Institutional	15,856,300	0%	0%
Agricultural	47,129,268	0%	0%

**H. System Data Comment Section**

Provide additional comments about system data below.

## Section III: Wastewater System Data

If you do not provide wastewater system services then you have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

**A. Wastewater System Data (Attach a description of your wastewater system.)**

1. Design capacity of wastewater treatment plant(s): 3,000,000  
gallons per day.
2. List the active wastewater connections by major water use category.

Water Use Category*	Active Wastewater Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	7,995		7,995	98%
Industrial			0	0%
Commercial	104		104	1%
Institutional	24		24	0%
Agricultural			0	0%
<b>TOTAL</b>	8,123	0	8,123	

2. What percent of water is serviced by the wastewater system? 75%
3. For the previous five years, enter the number of gallons of wastewater that was treated by the utility.

Month	Total Gallons of Treated Wastewater				
	2018	2017	2016	2015	2014
January	58,078,000	58,477,600	53,271,400	67,178,700	57,713,300
February	60,756,200	47,561,600	50,599,700	54,586,600	54,245,100
March	63,768,100	51,121,900	52,271,000	73,169,400	65,572,900
April	60,828,600	58,349,800	51,957,100	78,850,550	61,098,100
May	52,266,600	62,424,900	58,708,800	62,625,500	65,541,200
June	48,741,300	60,498,100	61,825,000	63,173,000	65,245,200
July	51,586,300	62,969,300	57,354,100	61,943,200	69,323,800
August	68,666,800	59,805,100	51,756,600	72,707,300	61,258,400
September	66,502,100	57,946,600	54,511,600	70,842,600	56,531,600
October	67,034,000	50,578,300	58,628,100	61,674,200	59,398,200
November	60,072,000	53,977,200	45,836,900	59,174,600	61,893,000
December	58,078,000	54,234,200	46,055,400	49,249,100	62,871,600
<b>TOTAL</b>	716,378,000	677,944,600	642,775,700	775,174,750	740,692,400

4. Can treated wastewater be substituted for potable water?

Yes       No

**B. Reuse Data**

1. Provide data on the types of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site irrigation	
Plant wash down	
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (parks, golf courses)	146,486,000
Agricultural	151,160,500
Discharge to surface water	418,226,850
Evaporation pond	
Other	
<b>TOTAL</b>	<b>715,873,350</b>

**C. Wastewater System Data Comment**

Provide additional comments about wastewater system data below.

You have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the [Water Conservation Plan Checklist](#) to complete your Water Conservation Plan.



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## **Attachment 3 Rate Structure**

1277-11701.54

110 Mesa Park Drive, Ste. 200 El Paso, Texas 79912 P (915) 852-9093 F (915) 629-8506  
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[www.tr-eng.com](http://www.tr-eng.com) TBPE Firm No. 13987

**EXHIBIT "A"**

**HORIZON REGIONAL MUNICIPAL UTILITY DISTRICT  
RATES AND CHARGES  
EFFECTIVE APRIL 1, 2017**

Please be informed that the current rates and charges for water, wastewater services and other services are as follows.

**WATER RATES**

**BASE SERVICE RATES:** There shall be collected from each user of water service connected to the system a monthly base charge consisting of a minimum charge for the minimum water allowance as indicated below, plus, for each customer/unit not exempted from mandatory trash collection service, a rate adjustment factor of \$20.50.

**WATER USE RATES:** In addition to base service charges, each user will be charged monthly for water used in excess of the minimum allowance as calculated from the following schedule.

<b>3/4" Meter - All amounts in gallons</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$11.00	\$1.58*	\$1.98*	\$2.47*	\$3.09*	\$3.86*	\$4.82*	\$6.03*	\$7.53*	\$9.42*	\$11.77*
<b>1" Meter - All amounts in gallons</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$17.33	\$1.58*	\$1.98*	\$2.47*	\$3.09*	\$3.86*	\$4.82*	\$6.03*	\$7.53*	\$9.42*	\$11.77*
<b>Greater than 1" Meter - All amounts in gallons</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$21.56	\$1.58*	\$1.98*	\$2.47*	\$3.09*	\$3.86*	\$4.82*	\$6.03*	\$7.53*	\$9.42*	\$11.77*
<b>Out of District - All meter sizes</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$21.56	\$2.58*	\$3.23*	\$4.03*	\$5.04*	\$6.30*	\$7.87*	\$9.84*	\$12.30*	\$15.38*	\$19.22*

\* Per 1,000 gallons

**WASTEWATER CHARGES**

Each connection will be charged monthly for wastewater services as calculated based by the following schedule.

<b>3/4" Meter - All amounts in gallons</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$14.68	\$1.05*	\$1.31*	\$1.64*	\$2.05*	\$2.56*	\$3.20*	\$4.01*	\$5.01*	\$6.26*	\$7.82*
<b>1" Meter or Greater- All amounts in gallons</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$25.00	\$1.52*	\$1.89*	\$2.37*	\$2.97*	\$3.71*	\$4.64*	\$5.81*	\$7.26*	\$9.08*	\$11.34*
<b>Out of District - All meter sizes</b>										
Base	3,001- 6,000	6,001- 10,000	10,001- 15,000	15,001- 25,000	25,001- 50,000	50,001- 100,000	100,001- 250,000	250,001- 400,000	400,001- 1,000,000	Over 1,000,000
\$25.00*	\$4.48*	\$5.59*	\$7.00*	\$8.75*	\$10.93*	\$13.67*	\$17.09*	\$21.35*	\$26.70*	\$33.37*

\* Per 1,000 gallons

Charges for wastewater services shall be computed on the basis of the lesser of;

- (1) the customer's current monthly water bill, OR
- (2) the average amount of water used by the customer during the winter season, based on the average of the monthly readings of the customer's water meter for the preceding December, January and February.

If a residential customer does not have an established history of water usage during the preceding December, January, and February, the customer's monthly wastewater bill shall be calculated based upon: (i) the customer's current monthly water usage; or (ii) on the basis of 3,000 gallons water usage per month, whichever is less.

If a nonresidential customer does not have an established history of water usage during the preceding December, January and February, the customer's monthly wastewater bill shall be calculated based upon the customer's current monthly water usage.

Approved designated irrigation meters will be exempt from wastewater charges. An irrigation meter is defined as metered water service for purposes other than household use.

**Miscellaneous Fees**

Service Fees:

Connect Fee .....	750.00
Tap fee, residential water.....	1,000.00
Tap fee, commercial water - <i>or material x 2.</i> .....	1,000.00
<i>whichever is greater</i>	
Tap fee, sewer.....	1,000.00
Tap Fee, commercial sewer - <i>or cost of installation</i> .....	1,250.00
<i>whichever is greater</i>	
Commitment and/or Extension Application and Deposit.....	500.00
<i>plus \$100.00 per LUE combined connection (water &amp; sewer)</i>	

Re-connection Fee:

Nonpayment of Bill .....	100.00
Customer's Request.....	40.00

Misc. Fees:

Transfer Fee .....	20.00
Rebilling Fee <i>5% of bill/maximum</i> .....	2.00
Return Check Charge.....	25.00
Delinquent Fee.....	10% of water, sewer and solid waste bill
Temporary Fee .....	50.00

Deposit:

Residential .....	50.00
Commercial.....	2x estimate bill
Industrial .....	2x estimate bill
Transient Consumer Deposit	
Residential with backflow device.....	50.00
Commercial with backflow device .....	750.00

Inspection Fees:	
Water.....	30.00
Sewer .....	15.00
Re-inspections - water or sewer.....	45.00
Fire System Inspection Fee.....	\$150.00*

Fees for Service - Transient Consumer

Residential: \$11.00 a month including 3,000 gallons and \$3.09 per each additional 1,000 gallons

Commercial: \$54.05 a month including "0" gallons & \$3.06 per each additional 1,000 gallons

Trash Collection Services: Monthly adjustment factor: \$20.50 included in water rate

Temporary Water and Wastewater Service

Temporary water and wastewater service will be provided for a 5-calendar day period for the purpose of maintaining lease property. A flat fee of \$50.00 must be paid to the District at the time the temporary service is requested. The fee is non-refundable.

\*Note: Fire Protection Systems are required to be inspected by licensed inspectors. The Fire Inspection Fee charged by the District is meant to pay for the District's time in operating the water system for such inspections and does not replace the owners responsibility to contract with and to pay for a licensed inspector.



## Consumption Over Base Fee Calculation Sheet

In District Water Rates		In District Sewer Rates		Out of District Water Rate		Out of District Sewer Rate	
	<b>3 to 6</b>		<b>3 to 6</b>		<b>3 to 6</b>		<b>3 to 6</b>
	1.58 per 1000		1.05 per 1000		2.58 per 1000		3.09 per 1000
	<b>6 to 10</b>		<b>6 to 10</b>		<b>6 to 10</b>		<b>6 to 10</b>
\$4.74	plus 1.98 per 1000	\$3.15	plus 1.31 per 1000	\$7.74	plus 3.23 per 1000	\$9.27	plus 3.86 per 1000
	<b>10 to 15</b>		<b>10 to 15</b>		<b>10 to 15</b>		<b>10 to 15</b>
\$12.66	plus 2.47 per 1000	\$8.39	plus 1.64 per 1000	\$20.66	plus 4.03 per 1000	\$24.71	plus 4.83 per 1000
	<b>15 to 25</b>		<b>15 to 25</b>		<b>15 to 25</b>		<b>15 to 25</b>
\$25.01	plus 3.09 per 1000	\$16.59	plus 2.05 per 1000	\$40.81	plus 5.04 per 1000	\$48.86	plus 6.04 per 1000
	<b>25 to 50</b>		<b>25 to 50</b>		<b>25 to 50</b>		<b>25 to 50</b>
\$55.91	plus 3.86 per 1000	\$37.09	plus 2.56 per 1000	\$91.21	plus 6.30 per 1000	\$109.26	plus 7.54 per 1000
	<b>50 to 100</b>		<b>50 to 100</b>		<b>50 to 100</b>		<b>50 to 100</b>
\$152.41	plus 4.82 per 1000	\$101.09	plus 3.20 per 1000	\$248.71	plus 7.87 per 1000	\$297.76	plus 9.43 per 1000
	<b>100 to 250</b>		<b>100 to 250</b>		<b>100 to 250</b>		<b>100 to 250</b>
\$393.41	plus 6.03 per 1000	\$261.09	plus 4.01 per 1000	\$642.21	plus 9.84 per 1000	\$769.26	plus 11.79 per 1000
	<b>250 to 400</b>		<b>250 to 400</b>		<b>250 to 400</b>		<b>250 to 400</b>
\$1,297.91	plus 7.53 per 1000	\$862.59	plus 5.01 per 1000	\$2,118.21	plus 12.30 per 1000	\$2,537.76	plus 14.73 per 1000
	<b>400 to 1 million</b>		<b>400 to 1 million</b>		<b>400 to 1 million</b>		<b>400 to 1 million</b>
\$2,427.41	plus 9.42 per 1000	\$1,614.09	plus 6.26 per 1000	\$3,963.21	plus 15.38 per 1000	\$4,747.26	plus 18.42 per 1000
	<b>Over 1 Million</b>		<b>Over 1 Million</b>		<b>Over 1 Million</b>		<b>Over 1 Million</b>
\$8,079.41	plus 11.77 per 1000	\$5,370.09	plus 7.82 per 1000	\$13,191.21	plus 19.22 per 1000	\$15,799.26	plus 23.02 per 1000