

Ellinger Sewer & Water Supply Corporation

FAYETTE COUNTY, TEXAS

WATER CONSERVATION PLAN

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TABLE OF CONTENTS

	<u>PAGE</u>
I. <u>INTRODUCTION</u>	
A. Planning Area	1
B. Needs for and Goals of the Program	1
C. Implementation	1
II. <u>WATER CONSERVATION PLAN</u>	
A. Utility Profile	3
B. Five & Ten Year Goals	3
C. Water Conservation Strategies.....	3
D. Schedule.....	5
E. Tracking, Implementation and Effectiveness	5
F. Implementation and Enforcement.....	5
III. <u>DROUGHT CONTINGENCY PLAN</u>	
A. Declaration of Policy, Purpose and Intent	6
B. Public Involvement.....	6
C. Public Education.....	6
D. Coordination with Regional Water Planning Groups.....	6
E. Authorization	7
F. Application	7
G. Definitions	7
H. Criteria for Initiation and Termination of Drought Response Stages.....	8
I. Drought Response Stages	9
J. Enforcement.....	13
K. Variances	14

APPENDIX:

- A. Ellinger Sewer and Water Supply Corporation Order with CCN Boundary
Regional Water Planning Group Notification
- B. Utility Profile
- C. Water Conservation Plan 5- and 10-year goals (TWDB-1964)

I. INTRODUCTION

A. PLANNING AREA

Ellinger Sewer & Water Supply Corporation (ES&WSC) provides water and wastewater service to the residents of the City of Ellinger in rural Fayette County.

The area covered by this Water Conservation Plan will include the entire ES&WSC service area as defined by its CCN (Certificate of Convenience and Necessity) No wholesale water service is available or anticipated, but if it is added in the future it will become subject to provisions of the program as required by the TCEQ and/or the TWDB.

B. NEED FOR AND GOALS OF THE PROGRAM

ES&WSC received a loan through the Texas Water Development Board Clean Water State Revolving Fund Loan in 2021 for improvements to the water plant and system. The most recent legislative requirement for Water Conservation and Drought Contingency Plans are outlined in 30TAC Chapter 288. A Water Conservation Plan is required for any entity seeking loans amounts above \$500,000 through the Texas Water Development Board (TWDB).

The two main requirements of the program are a water conservation plan and a drought contingency plan. The water conservation plan develops continuous use strategies to reduce withdrawal from a supply source through reducing the loss or waste of water and improving the efficiency of water used. The drought contingency plan's objective is to identify strategies for temporary supply and demand management in response to water supply shortages and emergencies.

Water Conservation Plans and Drought Contingency Plans are necessary operational program components of water supplies as demand for water continues to increase with Texas' growing population and the drought cycles that appear to be more frequent in south central Texas. Additionally, Ellinger is located on the northwestern edge of the Gulf Coast Aquifer, where groundwater is not as abundant as other locations.

C. IMPLEMENTATION

Implementation and enforcement of the Water Conservation Plan and Drought Contingency Plan is through the Order, included in Appendix A.

II. WATER CONSERVATION PLAN

A. UTILITY PROFILE

The evaluation of the success of a water conservation plan requires comparison of data between time periods. The data used for comparison must be consistent in derivation. A Utility Profile is required to be submitted as a part of the water conservation plan and provides a basis for the collection of data. Appendix B includes a copy of the completed profile.

B. FIVE- AND TEN-YEAR GOALS

The historic 5-year average gallon per capita usage (gpcd) reported in the 2020 Utility Profile is 71 gpcd. The guidelines for a Water Conservation Plan require an entity to set five and ten year non-enforceable measurable goals for water conservation. Setting of the goals should be based on identifying water conservation strategies that the community can successfully implement and assigning an anticipated water savings value to the strategy. The TWDB has developed *Report 362 Best Management Practices for Municipal Water Users*, also referred to as BMP GUIDE, to outline implementation of various water conservation strategies. Strategies that are practical for implementation in the ES&WSC service area include the following:

- Education and Information
- Water Conserving Rate Structures
- Universal Metering
- Leak Detection and Repair
- Annual System Audit

The Region K Water Plan includes discussion of water conservation management strategies and can be found online. The strategies being employed by the ES&WSC are discussed in section C of this conservation plan. The 5 and 10 year goal is to reduce water loss by 7 gpcd and 5 gpcd, respectively, from the current 17 gpcd baseline. These values along with the 5 and 10 year goals for total and residential water consumption are available in Appendix C. The majority of the savings would be through practices associated with reduction of water loss.

C. WATER CONSERVATION STRATEGIES

Education & Information

ES&WSC will make water conservation flyers available to new customers when service applications are requested. Also, the ES&WSC will print helpful water conservation tips on the water billing and website to encourage conservation. During summer months the ES&WSC can also post “Conserve Water” signs at facility sites located throughout the system as reminders.

Water Conserving Rate Structures

For purposes of rate making and establishing service regulations, Municipalities have the ability to self-govern and change rates via Ordinance adoption. A Home-Rule City can set water and sewer rates by official action of its City Council.

ES&WSC may also be obligated by the terms of TWDB loan agreements (*for existing water facilities*) to meet certain requirements for its rate structures.

Existing Water Rates.

- (1) Water Service - The monthly charge for standard metered water service is for a 5/8" by 3/4" meter. The 5/8" X 3/4" meter charge is used as a base multiplier for larger non-standard meters in accordance with the following chart based on American Water Works Association maximum continuous flow specifications:

METER SIZE	5/8" X 3/4" METER EQUIVALENTS	MONTHLY RATE
5/8" X 3/4"	1.0	\$34,50
3/4"	1.5	\$50.63
1"	2.5	\$84.38
1 1/2"	5.0	\$168,75
2"	8.0	\$270.00

- A) Sewer Service - The monthly charge for standard sewer service on a per tap basis is as follows: \$25.30 per month.

- B) Base charges for customers using a larger water meter size will be determined using the following chart.

METER SIZE		
5/8" X 3/4" METER EQUIVALENTS		
MONTHLY RATE		
5/8" X 3/4"	1.0	\$25.30
3/4"	1.5	\$37.95
1"	2.5	\$63.75
1 1/2"	5.0	\$126.54
2"	8.0	\$184.00

Universal Metering

Master meters are placed in front of the ES&WSC's facilities for water pumped from each of its two (2) wells and future wells located within the City limits of Ellinger. In addition, all private water usage (excluding firefighting and related drills) is metered. ES&WSC's majority of water service is to single homes or commercial establishments by individual meters.

ES&WSC meters all water used by its own facilities. In addition a report of consumption is documented annually for water line flushing, repair, and sterilization; and firefighting, related drills, and hydrant testing.

A third party testing facility is employed when the ES&WSC tests meters at the request of customers, or when any problems are noted by the utility, Billing Department, or Water Department. That information is used to adjust customer billing and/or warrant meter replacement.

Leak Detection and Repair

ES&WSC discovers leaks in the distribution system by three methods:

- Anomalous water usage as determined by the operator from well master meter readings.
- Low system pressure.
- Leaking line results in water appearing on ground surface.

All breaks on main transmission lines and/or minor line repairs are performed by ES&WSC personnel or their designated subcontractor using whatever adapters are necessary for similar or dissimilar materials. In the event that leakage results from slippage of fittings, the utility can replace existing fittings with mechanical joint fittings. Repairs are performed in accordance with Rules and Regulations for Public Water Systems, 30 TAC 290.46 (g), Texas Commission on Environmental Quality including disinfection.

Much of the unaccounted-for water is from leaks and line breaks or is used for Owner facilities, line flushing, and fire department usage (including hydrant testing and fire fighting).

The designated Water and Wastewater Manager prepares monthly internal reports including total water produced and total sales. ES&WSC designated manager submits monthly reports to the TCEQ covering total water pumpage, number of active water services, treated water quality, disinfectant usage, and water quality violations (if any).

Unauthorized water usage is not believed to represent a significant amount of water loss. ES&WSC are kept posted of any new, removed, disconnected, or reconnected meters. They will generally notice any residential or commercial facility which appears occupied but is not listed as having an active meter. Although a property owner could construct a supplementary tap illegally, most local residents do not have the necessary skills and equipment. Few licensed plumbers would construct an illegal tap for fear of losing their licenses or local permits. Unauthorized use of fire hydrants is believed to be negligible or non-existent.

The ES&WSC Board of Directors shall be made aware of the different types of leaks and how to detect and report them.

Annual System Audit

The ES&WSC Manager will be responsible for managing the overall implementation of the water conservation strategies. The measure of the effectiveness of the program will be evaluated based on comparative data developed from the Water System Audit and updating of the Utility Profile. An annual review will be made with all members who have authority for the various water conservation strategies. The review will include evaluation of the effectiveness of the existing strategy and identify new strategies that can be implemented.

D. SCHEDULE

The ES&WSC has already implemented the practices and will continue to improve on the tracking of information for the system audit and implement these practices based on the obtained information.

Annual review of water conservation plan policies and new strategies will be completed before November 30 every year. The annual report will be completed by March 31 and submitted to TWDB by May 1.

E. TRACKING IMPLEMENTATION AND EFFECTIVENESS

The ability to meet the goals of the plan requires periodic review of the status of the implementation and evaluation of effectiveness by comparison of the measures for the established goal. 30TAC Chapter 288 requires that all Water Conservation Plans be reviewed and updated beginning May 1, 2009 and every five years thereafter to coincide with regional water planning group cycles. Items to be addressed in the review should include the following:

- changes in water supply and/or demand which require more stringent implementation of the program
- changes in state regulations
- coordination with regional water planning effort.

In addition, the TWDB requires entities that receive financial assistance of more than \$500,000 must report annually for at least the first 3 years on the progress of implementation of the water conservation plan. This water conservation plan, and subsequent amendments, is required to be filed with the Regional Water Planning Group K. Notice will be filed as included in Appendix A.

ES&WSC will perform annual reviews of the water plan. The format for reporting the result of the review is provided by TWDB Form No. 1966.

F. IMPLEMENTATION AND ENFORCEMENT

The implementation of the plan is effective by adoption of an ordinance. A copy of the effective order is included in Appendix A. The authority for implementation and enforcement of the water conservation measures will vary by the type of strategy implemented.

ES&WSC does not contract with other entities for supply or purchase of water and/or wastewater service. Any future contracts to supply water or sewer service to outside entities will contain provisions to make water conservation practices applicable to those entities.

The drought contingency plan is designed to meet TCEQ requirements. Any future contracts to provide water and/or wastewater service to wholesale entities (such as water districts, water supply corporations, or cities) will contain provisions making those entities subject to provisions of the ES&WSC's Drought Contingency Plan. *(This will not apply to contracts for emergency service only.)*

In addition, this Water Conservation Plan and any amendments thereto is to be submitted to the Regional Water Planning Group. A copy of the correspondence with the Regional Water Planning Group is provided in Appendix A.

III. DROUGHT CONTINGENCY PLAN

A. 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 ES&WSC hereby adopts the following regulations and restrictions on the delivery and consumption of water through ordinance passed by the ES&WSC Board of Directors (Appendix A). Water uses regulated or prohibited under this Drought Contingency Plan (the Plan) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water which subjects the offender(s) to penalties as defined in Section I of this Plan.

B. PUBLIC INVOLVEMENT

ES&WSC shall actively inform the public and wholesale water customers and affirmatively provide opportunity for input from the public and from wholesale water customers regarding the Plan. Such provision includes, but is not limited to, notifying the public and wholesale water customers of the ES&WSC's public meeting regarding the proposed Plan, notice of which will be given pursuant to the Open Meetings Act.

C. PUBLIC EDUCATION

The ES&WSC 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:

1. Publications of articles in a newspaper or newsletter of general circulation in the service area, providing information regarding the Plan and/or information regarding water conservation techniques; and
2. Direct distributions to all residents and other users of water within the ES&WSC, and all wholesale water customers of the ES&WSC, if any, ("Users") explaining the Plan; and
3. Direct distributions to Users of educational and informational material regarding the Plan; and
4. Additional educational activities consisting of (i) conducting an informational school program in a school attended by students within the ES&WSC's service area, or (ii) conducting an educational program for users at a public place within or accessible to residents of the ES&WSC, or (iii) conducting or engaging in such other informational or educational activity designed to further the Plan as may be consistent with the purposes and policies of this Plan, or (iv) any combination of the foregoing.

D. COORDINATION WITH REGIONAL WATER PLANNING GROUPS

The service area of the ES&WSC is located within the Region K Water Planning Group and ES&WSC will provide a copy of this Plan to the Regional Water Planning Group.

E. AUTHORIZATION

The ES&WSC's designee authorized and directed to implement the applicable provisions of this Plan is as named in the ordinance approving the plan. The ES&WSC's designee has the authority to determine when implementation is necessary to protect public health, safety, and welfare. The ES&WSC's designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

F. APPLICATION

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

G. DEFINITIONS

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

1. Aesthetic water use: water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.
2. Commercial and institutional water use: water use that 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.
3. 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.
4. Construction water use: water used in the process of building or erecting structures, streets, ditches, etc. or water used to prepare a surface for building and/or rehabilitation. Construction water use may occur through a fixed tap or through a mobile unit that fills at a fixed tap.
5. Customer: any person, company, or organization using water supplied by ES&WSC.
6. 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.
7. Even number address: street addresses, box numbers, or rural postal route numbers ending in 0, 2, 4, 6, or 8 and locations without addresses.
8. Industrial water use: the use of water in processes designed to convert materials of lower value into forms having greater usability and value.
9. 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.
10. 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.
11. Odd numbered address: street addresses, box numbers, or rural postal route numbers ending in 1, 3, 5, 7, or 9.

H. CRITERIA FOR INITIATION AND TERMINATION OF DROUGHT RESPONSE STAGES

The ES&WSC's designee shall monitor water supply and/or demand conditions and shall determine when conditions warrant initiation or termination of each stage of the Plan, that is, when the specified "triggers" are reached. The trigger conditions are for responding to, but not limited to, the following situations: (a) water production or distribution system limitations; (b) supply source contamination; or (c) water system outage due to the failure or damage of major water system components (i.e. pumps, tanks, etc.). Additionally, the appropriate stage will be triggered any time the Governor declares the county to be a disaster area based on drought conditions, as required by Texas HB 3604.

Stage 1 Triggers -- MILD Water Shortage Conditions

Requirements for initiation

Stage 1 may be initiated if one or more of the following occur:

1. When demand on the ES&WSC's water supply facilities reaches or exceeds eighty percent (80%) of the in-service production capacity of such facilities for 3 consecutive days, as determined by the ES&WSC's operator.
2. Level in storage tanks are consistently below three-fourths full for 5 consecutive days.

Requirements for termination

Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 3 consecutive days.

Stage 2 Triggers -- MODERATE Water Shortage Conditions

Requirements for initiation

Stage 2 may be initiated when one or more of the following occur:

1. When demand on the ES&WSC's water supply facilities reaches or exceeds eighty-five percent (85%) of the in-service production capacity of such facilities for 3 consecutive days, as determined by the ES&WSC's operator.
2. Level in storage tanks is consistently below one-half full for 3 consecutive days.

Requirements for termination

Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering

events have ceased to exist for a period of 3 consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.

Stage 3 Triggers - SEVERE Water Shortage Conditions

Requirements for initiation

Stage 3 may be initiated when one or more of the following occur:

1. When demand on the ES&WSC's water supply facilities exceeds ninety percent (90%) of the in-service production capacity of such facilities for 3 consecutive days, as determined by the ES&WSC's operator.
2. Level in storage tanks is one-quarter full.

Requirements for termination

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

Stage 4 Triggers -- CRITICAL Water Shortage Conditions

Requirements for initiation

Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 4 of this Plan when one or more of the following occur:

1. When demand on the ES&WSC's water supply facilities reaches or exceeds ninety-five percent (95%) of the in-service production capacity of such facilities for 3 consecutive days, as determined by the ES&WSC's operator.

Requirements for termination

Stage 4 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 3 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 ES&WSC's designee determines that a water supply emergency exists based on:

1. Major disruption in the ES&WSC's treatment and/or distribution system causing an unprecedented loss of capability to provide water service; or
2. Natural or man-made contamination of the water supply source.

Requirements for termination

Stage 5 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased.

I. DROUGHT RESPONSE STAGES

The ES&WSC's designee shall declare stage conditions, as set forth in Section I of this Plan, and implement the appropriate response. The ES&WSC's designee, on all stages, shall implement the following notification procedures:

Notification of the Public: The ES&WSC's designee shall notify the public by means of any

combination of the following:

1. dissemination of press releases to the local news media,
2. direct mail to each customer,
3. public service announcements,
4. signs posted in public places, and/or
5. posting of signs at the entrances to the ES&WSC service area
6. telephone calls.

Notices issued shall contain (i) the date the Drought Response Measures will begin, (ii) the date the Drought Response Measures will terminate, if known, (iii) a list of Drought Response Measures to be implemented, and (iv) an explanation of penalties for violations of such Drought Response Measures. Notices shall also be issued when actions for each stage has been terminated.

Additional Notification: The ES&WSC's designee shall notify directly, or cause to be notified directly, the following individuals and entities:

1. ES&WSC Board of Directors, Mayor and City Council members (All Conditions)
2. City Fire Chief (Severe, Critical and/or Emergency)
3. City Attorney (Moderate, Severe, Critical and/or Emergency)
4. County Emergency Management Coordinator (Critical and/or Emergency)
5. County Commissioner (Critical and/or Emergency)
6. Critical water users (Critical and/or Emergency)
7. Major water users (Critical and/or Emergency)
8. TCEQ (required for: Moderate, Severe, Critical, Emergency)

Stage 1 Response -- MILD Water Shortage Conditions

Target: Achieve a voluntary five percent (5%) reduction in total water use.

Best Management Practices for Supply Management:

The following measures will be implemented directly by the ES&WSC to manage limited water supplies and/or reduce water demand: reduce or discontinue flushing of water mains, careful monitoring of system to prevent tank overflows and/or quickly repair line breaks/leaks.

Voluntary Water Use Restrictions for Reducing Demand:

1. Water customers are requested to voluntarily limit the irrigation of landscaped areas to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only between the hours of midnight and 10:00 a.m. and 8:00 p.m. to midnight on designated watering days.
2. All operations of the ES&WSC shall adhere to water use restrictions prescribed for Stage 2 of the Plan.
3. Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.
4. Establish an information center to answer inquiries and to discuss water shortage and its potential impact on water supply.

Stage 2 Response -- MODERATE Water Shortage Conditions

Target: Achieve a ten percent (10%) reduction in total water use.

Best Management Practices for Supply Management:

The following measures will be implemented directly by ES&WSC to manage limited water supplies and/or reduce water demand: reduce or discontinue flushing of water mains, careful monitoring of system to prevent tank overflows and quickly repair line breaks/leaks.

Water Use Restrictions for Demand Reduction:

Under threat of penalty for violation, the following water use restrictions shall apply to all persons:

1. Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 12:00 midnight until 10:00 a.m. and between 8:00 p.m. and 12:00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at anytime if it is by means of a hand-held hose, a faucet filled bucket or watering can of five (5) gallons or less, or drip irrigation system.
2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane, or other vehicle is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rises. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.
3. Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or jacuzzi-type pools is prohibited except on designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight.
4. Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.
5. Use of water from hydrants shall be limited to firefighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the ES&WSC.
6. All restaurants are prohibited from serving water to patrons except upon request of the patron.

7. The following uses of water are defined as non-essential and are prohibited:
 - a) wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
 - b) use of water to wash down buildings or structures for purposes other than immediate fire protection;
 - c) use of water for dust control;
 - d) flushing gutters or permitting water to run or accumulate in any gutter or street; and
 - e) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).
8. The ES&WSC President may direct any or all commercial, industrial, and recreational users to suspend use of ES&WSC water for purposes other than domestic use.

Stage 3 Response -- SEVERE Water Shortage Conditions

Target: Achieve a twelve and one half percent (12.5%) reduction in total water use.

Best Management Practices for Supply Management:

The following measures will be implemented directly by ES&WSC to manage limited water supplies and/or reduce water demand: reduce or discontinue flushing of water mains, careful monitoring of system to prevent tank overflows and/or to quickly repair line breaks.

Water Use Restrictions for Demand Reduction:

All requirements of Stage 2 shall remain in effect during Stage 3 except:

1. Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12:00 midnight and 10:00 a.m. and between 8 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only. The use of hose-end sprinklers is prohibited at all times.
2. The ES&WSC President may direct any or all commercial, industrial, and recreational users to suspend use of ES&WSC water for purposes other than domestic use.

Stage 4 Response -- CRITICAL Water Shortage Conditions

Target: Achieve a fifteen percent (15%) reduction in total water use.

Best Management Practices for Supply Management:

The following measures will be implemented directly by ES&WSC to manage limited water supplies and/or reduce water demand: reduce or discontinue flushing of water mains, careful monitoring of system to prevent tank overflows and quickly repair line breaks/leaks.

Water Use Restrictions for Reducing Demand: All requirements of Stage 2 and 3 shall remain in effect during Stage 4 except:

1. Irrigation of landscaped areas shall be limited to designated watering days between the hours of 6:00 a.m. and 10:00 a.m. and between 8:00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, or drip irrigation only. The use of hose-end sprinklers or permanently installed automatic sprinkler systems are prohibited at all times.

2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations and not in the immediate interest of public health, safety, and welfare is prohibited. Further, such vehicle washing at commercial car washes and commercial service stations shall occur only between the hours of 6:00 a.m. and 10:00 a.m. and between 6:00 p.m. and 10 p.m.
3. The filling, refilling, or adding of water to swimming pools, wading pools, and jacuzzi-type pools is prohibited.
4. No application for new, additional, expanded, or increased-in-size water service connections, meters, service lines, pipeline extensions, mains, or water service facilities of any kind shall be approved, and time limits for approval of such applications are hereby suspended for such time as this drought response stage or a higher-numbered stage shall be in effect.
5. The ES&WSC President may direct any or all commercial, industrial, and recreational users to suspend use of ES&WSC water for purposes other than domestic use.

Stage 5 Response -- EMERGENCY Water Shortage Conditions

Target: Achieve a minimum fifteen percent (15%) reduction in total water use.

Best Management Practices for Supply Management:

The following measures will be implemented directly by ES&WSC to manage limited water supplies and/or reduce water demand: reduce or discontinue flushing of water mains, careful monitoring of system to prevent tank overflows and to quickly repair line breaks/leaks, and notify the public and enforcement agencies of the immediate need for water use reduction.

Water Use Restrictions for Reducing Demand. All requirements of Stage 2, 3, and 4 shall remain in effect during Stage 5 except:

1. Irrigation of landscaped areas is absolutely prohibited.
2. Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane, or other vehicle is absolutely prohibited.
3. The ES&WSC may direct any or all commercial, industrial, and recreational users to suspend use of ES&WSC water for purposes other than domestic use.

J. ENFORCEMENT

1. No person shall knowingly or intentionally allow the use of water from the ES&WSC for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by ES&WSC's designee, in accordance with provisions of this Plan.
2. Any person who violates this plan is guilty of a misdemeanor and upon conviction shall be punished by a fine of not less than \$50.00 dollars and not more than \$200.00 dollars.
3. Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. If a person is convicted of three or more distinct violations of this Plan, the ES&WSC City's designee shall, upon due notice to the customer, be authorized to discontinue water service to the premises where such violations occur. Services discontinued under such circumstances shall be restored only

upon payment of a re-connection charge, and any other costs incurred by ES&WSC in discontinuing service. In addition, suitable assurance must be given to the ES&WSC's designee that the same action shall not be repeated while the Plan is in effect.

4. Any person, including a person classified as a water customer of the ES&WSC, in apparent control of the property where a violation occurs or originates shall be presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a rebuttable presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation. Parents shall be presumed to be responsible for violations of their minor children and proof that a violation, committed by a child, occurred on property within the parents' control shall constitute a rebuttable presumption that the parent committed the violation, but any such parent may be excused if he/she proves that he/she had previously directed the child not to use the water as it was used in violation of this Plan and that the parent could not have reasonably known of the violation.
5. The ES&WSC also may, at its option, install a flow restriction device in the service line of any user for violation of this ordinance. The ES&WSC may charge the user for the cost of the flow restriction device, including installation, and may disconnect service for failure to pay for this item.
6. To further enhance the effectiveness of water conservation The ES&WSC Board of Directors may, after declaring a water usage emergency, impose surcharges not to exceed the following amounts on all water usage (per two month period) by any users:

0 - 6,000 gallons	\$0.75 per 1000 gallons
6,000 - 10,000 gallons	\$1.00 per 1000 gallons
10,000 - 20,000 gallons	\$1.50 per 1000 gallons
Over 20,000 gallons	\$1.75 per 1000 gallons

No surcharge for any bracket may be less than the surcharge for the next lower bracket. These surcharges shall become effective for each user as soon as the ES&WSC can read the meter serving that user and notify that user.

K. VARIANCES

1. The ES&WSC's 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:
2. 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.
3. Alternative methods can be implemented which will achieve the same level of reduction in water use.
4. Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the ES&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 ES&WSC's designee, and shall include the following:

- a) Name and address of the petitioner(s).
- b) Purpose of water use.
- c) Specific provision(s) of the Plan from which the petitioner is requesting relief.
- d) 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 Drought Contingency Plan.
- e) Description of the relief requested.
- f) Period of time for which the variance is sought.
- g) 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.
- h) Other pertinent information.

Persons who anticipate, in advance, the need for a variance may apply for a standing variance by filing a petition with the City. If a standing variance is granted, the City reserves the right to override or modify such variance as conditions arise.

5. Variances granted by the ES&WSC shall be subject to the following conditions, unless waived or modified by the ES&WSC's designee:
 - a. Variances granted shall include a timetable for compliance.
 - b. Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.
 - c. No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

APPENDIX A

Ellinger Sewer & Water Supply Corporation Order with CCN Boundary Map

Regional Water Planning Group Notification

ELLINGER SEWER AND WATER SUPPLY
CORPORATION

ORDER ADOPTING AMENDED WATER CONSERVATION PLAN AND
PROVIDING FOR IMPLEMENTATION AND ENFORCEMENT THEREOF

On the 10 th day of January, 2022, the Board of Directors (the "Board") of Ellinger Sewer and Water Supply Corporation (the "Corporation") met with a quorum of Directors present as follows:

President	Greg Hunger
Vice President	Roy Moore
Secretary	Michael Schlabach
Director	Bradley Dunk
Director	Curtis Zwahr
Director	Walter Reynolds
Director	Paula Urban

When the following business was transacted:

The order set out below ("Order") was introduced and considered by the Board. It was then moved, seconded and unanimously carried that the following Order be adopted:

WHEREAS, the Board has carefully considered the current water conditions in the Corporation and area-wide, and has determined that the adoption of this Water Conservation Plan and Drought Contingency Plan (the "Plan") by the Corporation is necessary to ensure that an adequate supply of water is maintained; and

WHEREAS, the Board of Directors of the Corporation desires to evidence its approval of this Plan and to adopt such Plan as the official policy of the District.

NOW, THEREFORE, BE IT ORDERED BY THE BOARD OF DIRECTORS OF ELLINGER SEWER AND WATER SUPPLY CORPORATION THAT:

Section 1. Approval of the Plan. The Board of Directors of the Corporation hereby approves and adopts this Plan as set forth in this Order, and the provisions of such Plan shall be implemented immediately and enforced as rules of the District.

Section 2. Declaration of Policy, Purpose and Intent. The purpose of the Plan is to promote the efficient and responsible use of water by (1) implementing structural programs that result in quantifiable water conservation results, (2) developing, maintaining, and enforcing water conservation policies, (3) adhering to all applicable rules of the Texas Commission on Environmental Quality (the "TCEQ") and/or the Texas Water Development Board, and (4) supporting public education programs that educate customers about water and wastewater facilities operations, water quantity and quality, water conservation and non-point source protection.

Section 3. Service Area. Profile data for the Corporation is provided in Appendix "A" representing the service area making up the District. The profile includes data on the Corporation's service area, including population and customer data, water use data, water supply system data and wastewater data. The profile shall hereafter be updated at least once every five (5) years.

Section 4. Five-year and Ten-year Targets. The Corporation shall use reasonable efforts to reduce water loss and municipal use of water. In doing so, the Corporation has identified the following goals for water savings:

- a. Five-year Target: Within five (5) years of the date hereof, the Corporation shall attempt to reduce the average daily municipal use of water in the Corporation's service area by three (3) gallons per capita per day and to keep the water loss in the system below 10% annually.
- b. Ten-year Target: Within ten (10) years of the date hereof, the Corporation shall attempt to reduce the average municipal use of water in the Corporation's service area by six (6) gallons per capita per day and to keep the water loss in the system below 8% annually.

Notwithstanding the targets identified above, the Corporation shall not be obligated to achieve any water savings in its service area, and the Corporation's failure to do so shall not subject the Corporation to any liability whatsoever.

Section 5. Metering Devices. The Corporation will implement a plan of universal metering of all water delivered by the District, and all such metering devices will be calibrated regularly to ensure reasonable accuracy.

Section 6. Unaccounted Water Usage. The Corporation authorized the Corporation's operator to implement any reasonable program to determine unaccounted uses of water and to make recommendations to the Corporation regarding measures to control such unaccounted uses of water. Such measures may include periodic visual inspections along distribution lines, annual or monthly audits of the water system to determine illegal connections, and investigation of abandoned service connections. The Corporation's operator shall also establish a program of leak detection, repair, and water loss accounting for the water storage, delivery, and distribution system in order to control unaccounted uses of water.

Section 7. Continuing Public Education and Information. The Corporation hereby institutes an educational program, to be implemented immediately, to promote the Plan by the general public which may include any of the following:

- a. Publications of articles in a newspaper or newsletter of general circulation in the Corporation's service area, providing information regarding water conservation;
- b. Direct distributions to all customers of the Corporation of educational and informational material regarding water conservation; and
- c. Additional educational activities consisting of: (i) conducting an informational school program in a school attended by students within the Corporation's service area,

or (ii) conducting an educational program for users at a public place within or accessible to residents within the service area of the District, or (iii) conducting or engaging in such other informational or educational activity designed to further water conservation measure as, in the discretion of the Board of Directors, may be consistent with the purposes and policies of the Plan, or (iv) any combination of the foregoing.

Section 8. Cost-based Rate Structure. The Corporation hereby acknowledges that it adopted an increasing block water rate structure, as reflected in Article III, Sections One through Four that is intended to encourage water conservation and discourage excess use of waste of water. The most recent Rate Order is attached hereto as Appendix "B."

Section 9. Reservoir Systems Operations Plan. The Corporation does not own any reservoirs within a common watershed or river basin and is not required to establish a reservoir system operation plan.

Section 10. Implementation and Enforcement. Without limitation to specific actions stated in this Plan to be taken by the Corporation's operator, the Corporation's operator will administer and enforce the Plan, and will oversee and be responsible for the execution and implementation of all elements of this Plan. The operator shall report to the Board of the Corporation at meetings of the Board regarding actions taken and actions that need to be taken under this Plan.

Section 11. Record Management. The Corporation authorized the Corporation's operator to establish a record management system to record water pumped, water delivery, water sales, and water losses, and which allows for the segregation of water sales and uses into residential, commercial, public and institutional, and industrial user classes.

Section 12. Wholesale Water Customers. The Corporation shall require that each successive wholesale customer develop and implement a water conservation plan or water conservation measures in compliance with all applicable rules of the TCEQ. This requirement will also extend to each successive wholesale customer in the resale of water.

Section 13. Five-year Review. The Corporation shall review and update the Plan every five (5) years, or more frequently, as appropriate, based on an assessment of previous five (5) year and ten (10) year targets and any other new or updated information.

Section 14. Coordination with Regional Water Planning Group. The service area of the Corporation is located within the Region K Water Planning Area, and the Corporation has provided a copy of the Water Conservation Plan to the Region K Regional Water Planning Group.

Section 14. Effective Date. This Order shall become effective on January 10, 2022, and as further provided herein.

[EXECUTION PAGE FOLLOWS]

PASSED, ORDERED AND APPROVED this 10th day of January, 2022.

[Signature]
President, Board of Directors

ATTEST:

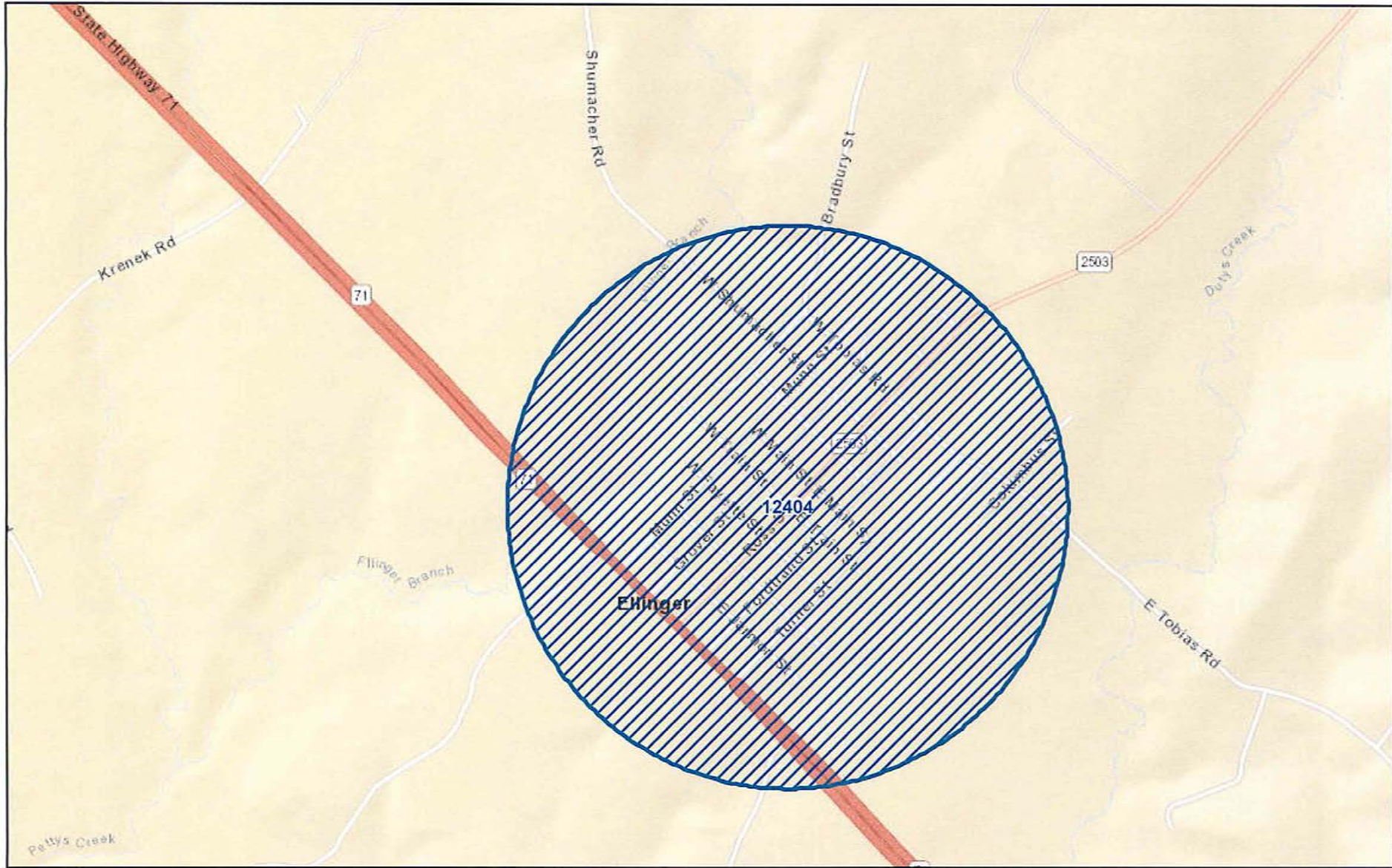
[Signature]

Secretary, Board of Directors

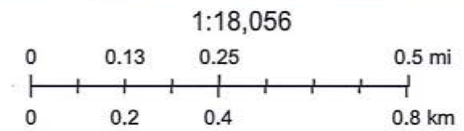
(CORPORATIONSEAL)



ELLINGER CCN MAP



October 4, 2018



Esri, HERE, Garmin, INCREMENT P, NGA, USGS

SECTION G. RATES AND SERVICE FEES

Unless specifically defined in this Tariff, all fees, rates, and charges as stated shall be non-refundable.

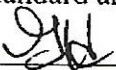
1. **Service Investigation Fee.** The Corporation shall conduct a service investigation for each service application submitted at the Corporation office. An initial determination shall be made by the Corporation, for a \$40.00 charge, as to whether the service request is Standard or Non-Standard. An investigation shall then be conducted, and the results reported under the following terms:
 - a. All Standard Service requests shall be investigated without additional charge and all applicable costs for providing service shall be quoted in writing to the Applicant within ten (10) working days of application.
 - b. All Non-Standard Service requests shall be subject to a minimum \$250.00 fee, appropriate to each project, to cover all administrative, legal, and engineering fees associated with investigation of the Corporation's ability to deliver service to the Applicant to;
 - (1) provide cost estimates of the project,
 - (2) to present detailed plans and specifications as per final plat,
 - (3) to advertise and accept bids for the project,
 - (4) to present a Non-Standard Service Contract to the Applicant, and
 - (5) to provide other services as required by the Corporation for such investigation. A Non-Standard Service Contract shall be presented to the Applicant within a suitable amount of time as determined by the complexity of the project. (See Section F.)

2. **Membership Fee.** At the time the application for service is approved, a refundable Membership Fee must be paid for each service requested before service shall be provided or reserved for the Applicant by the Corporation.
 - a. The Membership Fee for water service is \$500.00 for each service unit.
 - b. The Membership Fee for wastewater service is \$500.00 for each service unit.
 - c. Membership fee for oversized or Master Metered Accounts shall be based on multiples of meter size equivalence.

3. **Easement Fee.** When the Corporation determines that private right-of-way easements and/or facilities sites are necessary to provide service to the Applicant, the Applicant shall be required to make good faith efforts to secure easements in behalf of the Corporation and/or pay all costs incurred by the Corporation in validating, clearing, and retaining such right-of-way in addition to tap fees otherwise required pursuant to the provisions of this Tariff. The costs may include all legal fees and expenses necessary to attempt to secure such right-of-way and/or facilities sites in behalf of the Applicant. (See Section E 3., Section F 8. b.)

4. **Installation Fee.** The Corporation shall charge an installation fee for service as follows:
 - a. **Standard Service** shall include all current labor, materials, engineering, legal, customer service inspection, and administrative costs necessary to provide individual metered water or wastewater service and shall be charged on a per tap basis (x2.0) as computed immediately prior to such time as metered service is requested and installed.
 - b. **Non-Standard Service** shall include any and all construction labor and materials, inspection, administration, legal, and engineering fees. Non-Standard Service shall also be charged on a per tap basis (x2.0) and as determined by the Corporation under the rules of Section F of this Tariff.
 - c. Standard and Non-Standard Service Installations shall include all costs of any pipeline relocations

Approved _____



as per Section E 3(e) of this Tariff.

5. *Equity Buy-In Fee.*

6. *Monthly Charges.*

a. **Base Rate**

(1) Water Service - The monthly charge for standard metered water service is for a 5/8" by 3/4" meter. The 5/8" X 3/4" meter charge is used as a base multiplier for larger non-standard meters in accordance with the following chart based on American Water Works Association maximum continuous flow specifications:

METER SIZE	5/8" X 3/4" METER EQUIVALENTS	MONTHLY RATE
5/8" X 3/4"	1.0	\$34.50
3/4"	1.5	\$50.63
1"	2.5	\$84.38
1 1/2"	5.0	\$168.75
2"	8.0	\$270.00
3" DISP.	9.0	\$ _____ .00
3" CMPD.	16.0	\$ _____ .00
3" TURB.	17.5	\$ _____ .00
4" CMPD.	25.0	\$ _____ .00
4" TURB.	30.0	\$ _____ .00
6" CMPD.	50.0	\$ _____ .00
6" TURB.	62.5	\$ _____ .00
8" CMPD.	80.0	\$ _____ .00

Base rate fee's not set out above will be determined as the need arises.

Approved _____

- (2) A) Sewer Service - The monthly charge for standard sewer service on a per tap basis is as follows: \$25.30 per month.
 B) Base charges for customers using a larger water meter size will be determined using the following chart.

METER SIZE	5/8" X 3/4" METER EQUIVALENTS	MONTHLY RATE
5/8" X 3/4"	1.0	\$25.30
3/4"	1.5	\$37.95
1"	2.5	\$63.75
1 1/2"	5.0	\$126.54
2"	8.0	\$184.00

Base rate fee's not set out above will be determined as the need arises.

- b. **Gallonge Charge** - In addition to the Base Rate, a gallonge charge shall be added at the following rates for usage during any one (1) billing period.
- (1) Water - \$1.00 per 100 gallons.
 - (2) Sewer - \$3.80 per 1,000 gallons (Commercial Connections only).
 - (3) The Corporation shall, as required by Section 5.701, Water Code of the State of Texas, collect from each of its retail customers a regulatory assessment equal to one-half of one percent of the charge for retail water or wastewater service. This charge shall be collected in addition to other charges for utility service. This fee is collected on all charges pertaining to Section G.6. Monthly Charges of this tariff. (30 TAC 291.76(d))
- c. **Assessments.** - If at the end of the fiscal year, or in the event of emergency repairs, the Board of Directors determines the total amount derived from the collection of water or wastewater charges to be insufficient for the payment of all costs incident to the operation of the Corporation's system during the year in which such charges are collected, the Board shall make and levy an assessment against each Member of the Corporation as the Board may determine or as may be required by Rural Development, so that the sum of such assessments and the amount collected from water and other charges is sufficient to fully pay all costs of the operation, maintenance, replacement and repayment of indebtedness for the year's operations. (See Article XVIII of USDA Model Bylaws, Section 1)
- d. **Late Payment Fee.** Once per billing period, a penalty \$5.00 for the first five days and \$5.00 per day thereafter, the maximum penalty charged will be \$50.00. This late payment penalty shall not be applied to any balance to which the penalty was applied in a previous billing but shall be applied to any unpaid balance during the current billing period.
NOTE: For Political Subdivisions and state agencies the above late payment fee does not apply. Instead a late penalty of 1% shall be assessed for any amount unpaid on the 46th day after the bill is received by the state agency or political subdivision and an additional 1% shall be assessed for each month thereafter that the bill remains unpaid. (Government Code Chapter 2251)
- e. **Owner Notification Fee.** The Corporation may, at the expense of the Member, notify said Member of a renter/lessee delinquent account status prior to disconnection of service. The Owner Notification Fee shall be \$30.00 per notification. (See Miscellaneous Transaction Forms.)
7. **Mortgagee/Guarantor Notification Fee.** The Corporation shall assess a fee of \$30.00 for each notification to a Membership lien-holder under agreement prior to Membership cancellation. (See

Miscellaneous Transaction Forms.)

11. **Returned Check Fee.** In the event a check, draft, or any other similar instrument is given by a person, firm, corporation, or partnership to the Corporation for payment of services provided for in this Tariff, and the instrument is returned by the bank or other similar institution as insufficient or non-negotiable for any reason, the account for which the instrument was issued shall be assessed a return check charge of \$40.00. (See Miscellaneous Transaction Forms)
12. **Reconnect Fee.** The Corporation shall charge a fee of \$50.00 for reconnecting service after the Corporation has previously disconnected the service for any reason provided for in this Tariff except for activation of service under Section E 6.b. Re-Service.
13. **Seasonal Reconnect Fee** – Base Rate multiplied by the number of months during which service is suspended, not to exceed 9 months during any 12 consecutive months.
14. **Service Trip Fee.** The Corporation shall charge a trip fee of \$50.00 for the first ½ hour, time in excess of ½ hour will be charged at the rate of \$65.00 per hour for any service call or trip to the Member's tap as a result of a request by the Member or resident for response to damage of the Corporation's or another Member's facilities, for customer service inspections due to suspicion of meter tampering, bypass or diversion of service, or for the purpose of disconnecting or collecting payment for services. For service trips that extend beyond 1/2 hour, such as when an extended line location is required, the Corporation shall charge \$65.00 per employee per hour for each additional hour required.
15. **Equipment Damage Fee.** If the Corporation's facilities or equipment have been damaged by tampering, by-passing, installing unauthorized taps, reconnecting service without authority, or other service diversion, a fee shall be charged equal to the actual costs for all labor, material, and equipment necessary for repair, replacement, and other Corporation actions. This fee shall be charged and paid before service is re-established. If the Corporation's equipment has not been damaged, a fee equal to the actual costs for all labor, material, equipment, and other actions necessary to correct service diversions, unauthorized taps, or reconnection of service without authority shall be charged. All components of this fee will be itemized, and a statement shall be provided to the Member. If the Corporation's facilities or equipment have been damaged due to negligence or unauthorized use of the Corporation's equipment, right-of-way, or meter shut-off valve, or due to other acts for which the Corporation incurs losses or damages, the Member shall be liable for all labor and material charges incurred as a result of said acts or negligence.
16. **Meter Tampering and Diversion Penalty.** In addition to the Equipment Damage Fee, the Corporation may charge a penalty for "Tampering" as defined in Section E 23. The penalty may only be assessed against the person who committed the Tampering. An owner cannot be assessed for the Tampering committed by their tenant. The penalty shall not exceed six (6) times the Base Rate.
17. **Customer History Report Fee.** A fee of \$30.00 shall be charged to provide a copy of the Members record of past water purchases in response to a Member's request for such a record.
18. **Meter Test Fee.** The Corporation shall test a Member's meter upon written request of the Member. Under the terms of Section E of this Tariff, a charge of \$75.00 shall be imposed on the affected account for a field accuracy test. If the customer requests an AWWA shop test the fee will be \$150.00
19. **Transfer Fee.** An Applicant for service who is a Transferee shall complete all required application forms, etc., and pay a Transfer Fee of \$30.00.

Approved _____



20. **Non-Disclosure Fee.** A fee of \$30.00 shall be assessed any customer requesting in writing that personal information under the terms of this tariff not be disclosed to the public.
21. **Information Copy Fee.** A fee for the copying of any public information will be charged to the person requesting that information in compliance with the cost rules of the Government Code Section 552.261 et. seq.
22. **Tap Inspection Fee.** A fee of \$45.00 will be assessed for each water or sewer tap, this fee will be paid at the same time as the tap fee.
23. **Customer Service Inspection Fee, Residential.** A fee of \$75.00 will be assessed each Applicant before permanent continuous service is provided to new construction.
24. a) If a residence has more than one kitchen, or three bathrooms a fee of \$10.00 will be charged for each additional bathroom or kitchen area.
b) A \$45.00 fee will be assessed for each swimming pool, spa, irrigation system, water softener, water treatment system or other plumbing improvement that is added after completion of the home. If the inspection is performed during the original home construction an additional \$10.00 fee will be assessed.
25. **Customer Service Inspection Fee, Commercial.** A fee will be assessed based on actual cost. An estimated fee will be paid at the same time tap fees are paid. If the actual cost is greater than the estimated cost the difference will be paid prior to permanent service being provided.
26. **Franchise Fee Assessment.** The Ellinger Sewer and WSC is not located within the corporate limits of any city therefor no franchise fee will be assessed.
27. **Regulatory Assessment.** A fee of 0.5% of the amount billed for water/sewer service will be assessed each customer; this assessment is required under Texas law and TCEQ regulations. NOTE: The regulatory assessment is not to be collected from state agencies, wholesale customers, or buyers of non-potable (not drinkable) water. (Ref. TCEQ RG-199 revised Oct. 2002. TCEQ Section 291.76 (c))
28. **Additional Assessments.** In the event any federal, state or local government imposes on the Corporation a "per meter" fee or an assessment based on a percent of water/sewer charges, this fee or assessment will be billed and collected as a "pass through" charge to the customer.
29. **Groundwater District Production Fee.** No fee will be assessed until such time as the Fayette County Groundwater Conservation District assesses such fee.
30. **Debt Service Reserve Fee.** Each member will be assessed a monthly Debt Service Reserve Fee of \$5.00 that will be billed as part of their water bill.
31. **Other Fees.** All services outside the normal scope of utility operations that the Corporation may be compelled to provide at the request of a customer or Member shall be charged to the recipient based on the cost of providing such service.

Approved _____





Weishuhn Engineering Inc <weishuhnengineering@gmail.com>

Ellinger Sewer & Water Supply Corporation Water Conservation Plan

Weishuhn Engineering Inc <weishuhnengineering@gmail.com>

Mon, Feb 7, 2022 at 12:24 PM

Draft To: lann.bookout@twdb.texas.gov

Cc: Ellinger SWC <ellingerswc@gmail.com>, mike schlabach <michaelschlabach@hotmail.com>, David Firgens <David.Firgens@twdb.texas.gov>, Dain Larsen <dain.larsen@twdb.texas.gov>

Lann Bookout
Lower Colorado Regional Water Planning Group
Region K
Austin Texas

On January 10, 2022 the Ellinger Sewer & Water Supply Corporation (Ellinger S&WSC) adopted an Order establishing a water conservation plan for the Ellinger S&WSC. Attached for the records of the Texas Water Development Board Lower Colorado Regional Water Planning Group (Region K) is a copy of the approved plan.

Should you have any questions regarding the approved plan, please contact the Ellinger S&WSC secretary Michael Schlabach at 979 966 9853 or by email listed above.

Thank you
Barbara Weishuhn

--

WEISHUHN ENGINEERING, INC.
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979.732.7843 **James W. Weishuhn P.E.**

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979.733.3007 **Ross J. Weishuhn P.E.**

979.398.0076 **Jacob Mikeska, Design Drafter**

979.733.2284 **Aaron Weishuhn, Soil Science**



Ellinger Sewer & WSC water_conservation_plan_2022.pdf

4543K

APPENDIX B

UTILITY PROFILE

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: _____

Public Water Supply Identification Number (PWS ID): _____

Certificate of Convenience and Necessity (CCN) Number: _____

Surface Water Right ID Number: _____

Wastewater ID Number: _____

Completed By: _____ Title: _____

Address: _____ City: _____ Zip Code: _____

Email: _____ Telephone Number: _____

Date: _____

Regional Water Planning Group: _____ [Map](#)

Groundwater Conservation District: _____ [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

1. Current service area size in square miles: _____
 (Attach or email a copy of the service area map.)

2. 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

3. 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			
2030			
2040			
2050			
2060			

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

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
Historic 5-year Average					

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

1. Designed daily capacity of system _____ gallons per day.

2. Storage Capacity:
 Elevated _____ gallons
 Ground _____ gallons

3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons

*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)

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

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

*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

*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

- 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				
Residential – Multi-family (units)				
Industrial				
Commercial				
Institutional				
Agricultural				
TOTAL				

*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.](#)

- 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				
Residential – Single Family					
Residential – Multi-family (units)					
Industrial					
Commercial					
Institutional					
Agricultural					
TOTAL					

*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				
Residential - Single Family					
Residential – Multi-family					
Industrial					
Commercial					
Institutional					
Agricultural					
TOTAL					

*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				
Residential - Single Family					
Residential – Multi-family					

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				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

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

Month	Total Gallons of Raw Retail Water				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

3. Summary of seasonal and annual water use.

Water Use	Seasonal and Annual Water Use					Average in Gallons
Summer Retail (Treated + Raw)						_____
						5yr Average
TOTAL Retail (Treated + Raw)						_____
						5yr Average

E. Water Loss

Provide Water Loss data for the previous five years.

Water Loss GPCD = [Total Water Loss in Gallons ÷ Permanent Population Served] ÷ 365

Water Loss Percentage = [Total Water Loss ÷ Total System Input] x 100

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
5-year average			

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)

G. Summary of Historic Water Use

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF			
Residential MF			
Industrial			
Commercial			
Institutional			
Agricultural			

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): _____
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				
Industrial				
Commercial				
Institutional				
Agricultural				
TOTAL				

2. What percent of water is serviced by the wastewater system? ____%

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				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

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)	
Agricultural	
Discharge to surface water	
Evaporation pond	
Other	
TOTAL	

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.

APPENDIX C

Water Conservation Plan 5- and 10-year goals (TWDB-1964)

Title 31 TAC Chapter 363, Rule §363.15 (B)

WATER CONSERVATION PLAN 5- AND 10-YR GOALS FOR WATER SAVINGS

Name: _____

Water Conservation Plan Year: _____

	Historic 5-yr Average	Baseline*	5-yr Goal for year _____	10-yr Goal for year _____
Total (GPCD) ¹				
Residential (GPCD) ²				
Water Loss (GPCD) ³				
Water Loss (Percentage) ⁴	%	%	%	%

1. Total GPCD = (Total Gallons in System ÷ Permanent Population) ÷ 365

2. Residential GPCD = (Gallons Used for Residential Use ÷ Residential Population) ÷ 365

3. Water Loss GPCD = (Total Water Loss ÷ Permanent Population) ÷ 365

4. Water Loss Percentage = (Total Water Loss ÷ Total Gallons in System) x 100; or (Water Loss GPCD ÷ Total GPCD) x 100

GPCD - Gallons Per Capita Per Day

**A base use figure, or baseline, should be included to calculate your estimated savings. Consider state and regional targets and goals, local climate, and demographics (i.e. wet year versus dry year, high usage versus low usage)*