

CERTIFICATE FOR ORDER

THE STATE OF TEXAS           §  
  §  
COUNTY OF HARRIS           §

I, the undersigned officer of the Board of Directors of Harris County Municipal Utility District No. 18, hereby certify as follows:

1. The Board of Directors of Harris County Municipal Utility District No. 18 convened in regular session on March 11, 2019, outside the boundaries of the District, and the roll was called of the members of the Board:

Robert Bernardini	President
Karl Skarboszewski	Vice President
Michael Murr	Secretary
Vally Swann	Assistant Secretary
Charlie Kennedy, Jr.	Assistant Vice President

and all of said persons were present except Director(s) Murr, thus constituting a quorum. Whereupon, among other business, the following was transacted at the meeting: a written

ORDER ADOPTING AMENDED AND RESTATED WATER CONSERVATION PLAN;  
PROVIDING FOR IMPLEMENTATION AND ENFORCEMENT THEREOF;  
AND CONTAINING OTHER PROVISIONS RELATED TO THE SUBJECT

was introduced for the consideration of the Board. It was then duly moved and seconded that the order be adopted, and, after due discussion, the motion, carrying with it the adoption of the order, prevailed and carried unanimously.

2. A true, full, and correct copy of the aforesaid order adopted at the meeting described in the above and foregoing paragraph is attached to and follows this certificate; the action approving the order has been duly recorded in the Board's minutes of the meeting; the persons named in the above and foregoing paragraph are the duly chosen, qualified, and acting officers and members of the Board as indicated therein; each of the officers and members of the Board was duly and sufficiently notified officially and personally, in advance, of the time, place, and purpose of the aforesaid meeting, and that the order would be introduced and considered for adoption at the meeting, and each of the officers and members consented, in advance, to the holding of the meeting for such purpose; the meeting was open to the public as required by law; and public notice of the time, place, and subject of the meeting was given as required by Chapter 551, Texas Government Code, and Section 49.063, Texas Water Code.

SIGNED AND SEALED on March 11, 2019.

(SEAL)



768287

Vally Swann  
Asst Secretary, Board of Directors

ORDER ADOPTING AMENDED AND RESTATED WATER CONSERVATION PLAN;  
PROVIDING FOR IMPLEMENTATION AND ENFORCEMENT THEREOF;  
AND CONTAINING OTHER PROVISIONS RELATED TO THE SUBJECT

WHEREAS, the Board of Directors (the "Board") of Harris County Municipal Utility District No. 18 (the "District") has carefully considered the current water conditions in the District and area-wide and has determined that the adoption of this Amended and Restated Water Conservation Plan (the "Plan") by the District is necessary to ensure that an adequate supply of water is maintained; and

WHEREAS, the Board of the District desires to evidence its approval of this Plan and to adopt such Plan as the official policy of the District and to replace any prior Plan that may have been in effect; NOW, THEREFORE,

BE IT ORDERED BY THE BOARD OF THE DISTRICT THAT:

Section 1. Approval of the Plan. The Board of the District hereby approves and adopts this Plan as set forth in Appendix "A" to this Order.

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 and ordinances, and (3) supporting public education programs that educate customers about water facilities operations, water quantity and quality, water conservation and non-point source protection.

**[Remainder of page intentionally left blank]**

PASSED AND APPROVED this 11<sup>th</sup> day of March, 2019.

HARRIS COUNTY MUNICIPAL UTILITY  
DISTRICT NO. 18

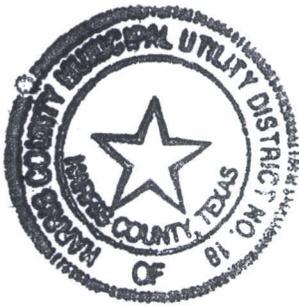


\_\_\_\_\_  
President, Board of Directors

ATTEST:

*Valley Saha*  
\_\_\_\_\_  
Asst. Secretary, Board of Directors

(SEAL)



**APPENDIX "A"**  
**WATER CONSERVATION PLAN**

## The Harris County Municipal Utility District No. 18 Water Conservation Plan

This Water Conservation Plan (the "Plan") is intended to meet the requirements of the Texas Water Code and the rules promulgated by the Texas Commission on Environmental Quality ("TCEQ") and the Texas Water Development Board ("TWDB"). This Plan is a strategy or combination of strategies for reducing the consumption of water, reducing the loss or waste of water, improving or maintaining the efficiency in the use of water, or increasing recycling and reuse of water. It contains best management practice measures to try to meet the targets and goals identified in the Plan.

Section 1. Utility Profile. Profile data for the Harris County Municipal Utility District No. 18, (the "District") is provided in Exhibit 1, Form TWDB-1965. Exhibit 1 includes data on existing and projected service populations, number of connections, historical metered water sales, water production, and general utility systems information. Exhibit 1 shall be updated at least once every five years.

Section 2. Five-year and Ten-year Targets. The District shall use reasonable efforts to reduce water loss and municipal use of water. In doing so, the District has identified five and ten year goals for water savings and water loss as provided in Exhibit 2, Form TWDB-1964.

Notwithstanding the targets identified in Exhibit 2, the District shall not be obligated to achieve any water savings, and the District's failure to do so shall not subject the District to any liability whatsoever.

Section 3. Implementation Schedule. The following implementation schedule shall be adhered to in order to achieve the District's targets and goals.

- A. If no initial system review has previously been conducted, the District will complete an initial system review required by Section 4 to determine "unaccounted" for water no later than May 1, 2020.
- B. The District shall have master meters required by Section 5 in place no later than May 1, 2020.
- C. The District shall meter both customer and public uses of water, and the District's operator shall implement any reasonable program for meter testing and repair, and for periodic replacement, as required by Section 6, no later than May 1, 2020.
- D. The District's operator shall implement any reasonable program to determine unaccounted for uses of water, as required by Section 7, no later than May 1, 2020.

- E. The District shall implement its educational program described in Sections 9.A. and B. no later than May 1, 2020.

Section 4. Method for Tracking the Implementation and Effectiveness of the Plan. If the District has not previously conducted an initial system review, it will complete an initial system review to measure “unaccounted” for water use. The District will determine a method to track “unaccounted” for water use and use this information to evaluate annual water use and the implementation and effectiveness of conservation procedures. Progress shall be measured annually, and, at a minimum, evaluate the progress towards meeting the targets and goals of the Plan.

Section 5. Master Meter. The District shall have a master meter to measure and account for the amount of water produced or received from the source(s) of supply. All metering devices that monitor the amount of water produced or received by the District will be calibrated regularly to ensure an accuracy of plus or minus 5.0%.

Section 6. Universal Metering. The District shall meter both customer and public uses of water, and the District’s operator shall implement any reasonable program for meter testing and repair, and for periodic meter replacement. However, unless otherwise specified in the District’s Rate Order, as amended, water used for such public purposes as fire-fighting, main or hydrant flushing, and street sweeping, shall not be required to be metered.

Section 7. Measures to Determine and Control Water Loss. The District authorizes the District’s operator to implement any reasonable program to determine unaccounted for uses of water and to make recommendations to the District regarding measures to control such unaccounted for uses of water. Such measures may include periodic visual inspections along distribution lines, annual or monthly audits of the water system to determine illegal connection, investigation of abandoned services.

Section 8. Continuous Program of Leak Detection, Repair, and Water Loss Accounting. The above described measures shall serve as a continuous program of leak detection, repair, and water loss accounting for the water transmission, delivery, and distribution system in order to control water loss.

Section 9. Continuing Public Education and Information. The District hereby institutes an educational program, to be implemented as soon as reasonably practicable, to promote the Plan to the general public which should include the following:

- A. Direct distributions, distributed at least annually, to all District customers (including wholesale water customers) (together, the “Users”), regarding water conservation; and

- B. Direct distribution of water conservation literature to new customers when they apply for service.

Additional educational activities may include: (i) conducting an informational school program in a school attended by students within the District's service area, or (ii) conducting an educational program for Users at a public place within or accessible to residents of the District, or (iii) conducting or engaging in such other informational or educational activity designed to further water conservation measures as, in the discretion of the Board of Directors, may be consistent with the purposes and policies of this Plan, or (iv) any combination of the foregoing.

Section 10. Cost-based Rate Structure. The District hereby acknowledges that it has adopted an increasing block water rate structure, as reflected in the Rate Order which is attached as Exhibit 3, which is intended to encourage water conservation and discourage excessive use and waste of water.

Section 11. Implementation and Enforcement. Without limitation to specific actions stated in this Plan to be taken by the District's operator, the District's operator will administer and enforce this Plan, and will oversee and be responsible for the execution and implementation of all elements of this Plan. The operator shall keep adequate records for Plan verification. The operator shall prepare the required annual report and the required implementation report every five years beginning in 2014. The District's operator shall report to the Board of the District, at meetings of the Board, regarding actions taken and which need to be taken under this Plan. The District has the authority under the Texas Water Code to implement and enforce this Plan. The District has the ability under the Texas Water Code to adopt and enforce rules pertaining to prevention of waste and the unauthorized use of water.

Section 12. Coordination with Regional Water Planning Groups. The water service area of the District is located within the Region H Regional Water Planning Group and the District will provide a copy of the Plan to the Region H Regional Water Planning Group, as soon as reasonably practicable.

Section 13. Wholesale Water Customers. The District shall require that each wholesale customer, if any, develop and implement a water conservation plan or water conservation measures in compliance with all applicable rules of the TCEQ or TWDB. This requirement will also extend to each successive wholesale customer, if any, in the resale of water.

Section 14. Five-year Review. The District shall review and update the Plan every five years, or more frequently, as appropriate, based on an assessment of previous five-year and ten-year targets and any other new or updated information.

**EXHIBIT 1**

**Water Conservation Utility Profile  
Form TWDB-1965**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
Water Availability Division - MC-160, P.O. Box 13087 Austin, Texas 78711-3087  
Telephone (512) 239-4691, FAX (512) 239-2214

## WATER CONSERVATION IMPLEMENTATION REPORT FORM AND SUMMARY OF UPDATES/REVISIONS TO WATER CONSERVATION PLAN

(Texas Water Code §11.1271(b) and Title 30 Texas Administrative Code §288.30(1) to (4))

*Please note, this form replaces the following forms: TCEQ-20645 (Non-Public Water Suppliers) and TCEQ-20646 (Public Water Suppliers)*

**This Form is applicable to the following entities:**

1. Water Right Holders of 1,000 acre-feet or more for municipal, industrial, and other non-irrigation uses.
2. Water Right Holders of 10,000 acre-feet or more for irrigation uses.

The above noted entities are required by rule to submit updates to their water conservation plan(s) and water conservation implementation report(s) every five years. The most current five-year submittal deadline is **May 1<sup>st</sup>, 2019**. See 30 Texas Administrative Code (TAC) §288.30(1) to (4). Entities must also submit any revisions to their water conservation plan within 90 days of adoption when the plans are revised in between the five-year submittal deadlines. This form may be used for the five-year submittal or when revisions are made to the water conservation plans in the interim periods between five-year submittals. Please complete the form as directed below.

1. Water Right Holder Name: Harris County MUD 18
2. Water Right Permit or Certificate Nos. \_\_\_\_\_

3. Please Indicate by placing an 'X' next to all that Apply to your Entity:

Water Right Holder of 1,000 acre-feet or more for non-irrigation uses

- Municipal Water Use by Public Water Supplier
- Wholesale Public Water Supplier
- Industrial Use
- Mining Use
- Agriculture Non-Irrigation

Water Right Holder of 10,000 acre-feet or more for irrigation uses

- Individually-Operated Irrigation System
- Agricultural Water Suppliers Providing Water to More Than One User

**Water Conservation Implementation Reports/Annual Reports**

4. Water Conservation Annual Reports for the previous five years were submitted to the Texas Water Development Board (TWDB) for each of the uses indicated above as required by 30 TAC §288.30(10)(C)? Yes \_\_\_\_\_ No

**TCEQ no longer requires submittal of the information contained in the detailed implementation report previously required in Forms TCEQ-20645 (Non-Public Water Suppliers) and TCEQ-20646 (Public Water Suppliers). However, the Entity must be up-to-date on its Annual Report Submittals to the TWDB.**

**Water Conservation Plans**

5. For the five-year submittal (or for revisions between the five-year submittals), attach your updated or revised Water Conservation Plan for each of the uses indicated in Section 3, above. Every updated or revised water conservation plan submitted must contain each of the minimum requirements found in the TCEQ rules and must be duly adopted by the entity submitting the water conservation plan. Please include evidence that each water conservation plan submitted has been adopted.

- Rules on minimum requirements for Water Conservation Plans can be found in 30 TAC 288. [http://texreg.sos.state.tx.us/public/readtac%24ext.ViewTAC?tac\\_view=4&ti=30&pt=1&ch=288](http://texreg.sos.state.tx.us/public/readtac%24ext.ViewTAC?tac_view=4&ti=30&pt=1&ch=288)
- Forms which include the minimum requirements and other useful information are also available to assist you. Visit the TCEQ webpage for Water Conservation Plans and Reports. [https://www.tceq.texas.gov/permitting/water\\_rights/wr\\_technical-resources/consERVE.html](https://www.tceq.texas.gov/permitting/water_rights/wr_technical-resources/consERVE.html)

*Call 512-239-4691 or email to [wcp@tceq.texas.gov](mailto:wcp@tceq.texas.gov) for assistance with the requirements for your water conservation plan(s) and report(s).*

6. For each Water Conservation Plan submitted, state whether the five and ten-year targets for water savings and water loss were met in your *previous* water conservation plan.

Yes<sup>x</sup> \_\_\_\_\_ No \_\_\_\_\_

If the targets were not met, please provide an explanation.

7. For each five-year submittal, does each water conservation plan submitted contain *updated* five and ten-year targets for water savings and water loss?

Yes<sup>x</sup> \_\_\_\_\_ No \_\_\_\_\_

If yes, please identify where in the water conservation plan the updated targets are located (page, section).

Exhibit's 1 and 2 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. In the box below (or in an attachment titled "Summary of Updates or Revisions to Water Conservation Plans), please identify any other revisions/updates made to each water conservation plan that is being updated or revised. Please specify the water conservation plan being updated and the location within the plan of the newly adopted updates or revisions.

9. Form Completed by (Point of Contact): Mike Plunkett  
*(If different than name listed above, owner and contact may be different individual(s)/entities)*

Contact Person Title/Position: Mike Plunkett/ Operator for the District

Contact Address: PO Box 11750, Spring, Texas 77391-1750

Contact Phone Number: 281-374-8989 Contact Email Address: mplunkett@eaglewatermanagement.com

Signature: Mike Plunkett

Date: 3/4/2019

## 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: Harris County MUD 18

Public Water Supply Identification Number (PWS ID): 1010512

Certificate of Convenience and Necessity (CCN) Number: NA

Surface Water Right ID Number: NA

Wastewater ID Number: NA

Completed By: Mike Plunkett Title: Compliance Manager

Address: PO Box 11750 City: Spring Zip Code: 77391

Email: mplunkett@eaglewatermanagement.com Telephone Number: 281-374-8989

Date: 2/27/2019

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

Groundwater Conservation District: HGSD [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



**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	75,870,000	101,387,000	0	177,257,000	119
2017	61,043,000	136,224,000	0	197,267,000	133
2016	10,306,000	175,302,000	0	185,608,000	125
2015	57,156,000	132,436,000	0	189,592,000	128
2014	44,414,000	153,962,000	0	198,376,000	134
<b>Historic 5-year Average</b>	49,757,800	139,862,200	0	189,620,000	128

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

1. Designed daily capacity of system \_\_\_\_\_ 2,300,000 gallons per day.
2. Storage Capacity:  
 Elevated \_\_\_\_\_ 0 gallons  
 Ground \_\_\_\_\_ 850,000 gallons
3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons
Well #1 and Well #2	Ground	2,300,000
NHCRWA	Surface	0
	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	4,100	195,000,000
2020	4,100	195,000,000
2021	4,100	195,000,000
2022	4,100	195,000,000
2023	4,100	195,000,000
2024	4,100	195,000,000
2025	4,100	195,000,000
2026	4,100	195,000,000
2027	4,100	195,000,000
2028	4,100	195,000,000

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

**E. High Volume Customers**

- 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
Cy-Fair ISD - Hamilton MS	Institutional	4,011,000	Treated
Cy-Fair ISD	Institutional	1,545,000	Treated
LTS 2014, LLC	Commercial	1,438,000	Treated
LTS 2014, LLC	Commercial	1,430,000	Treated
Parsons House Cypress, LLC	Commercial	1,418,000	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](#).

- 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
NA	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

- 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	1,354	0	1,354	96%
Residential – Multi-family (units)	0	0	0	0%
Industrial	0	0	0	0%
Commercial	17	0	17	1%
Institutional	2	0	2	0%
Agricultural	41	0	41	3%
<b>TOTAL</b>	<b>1,414</b>	<b>0</b>	<b>1,414</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](#).

- 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	1	0	3	2	7
Residential – Multi-family (units)					
Industrial					
Commercial	1	0	0	0	1
Institutional	0	0	0	0	0
Agricultural	0	0	0	0	0
<b>TOTAL</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>8</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	147,073,000	170,218,000	160,800,000	159,337,000	165,846,000
Residential – Multi-family					
Industrial					
Commercial	12,776,000	11,578,000	11,148,000	10,319,000	11,085,000
Institutional	818,000	886,000	758,000	986,000	831,000
Agricultural	1,951,000	3,280,000	3,070,000	4,171,000	4,187,000
<b>TOTAL</b>	<b>162,618,000</b>	<b>185,962,000</b>	<b>175,776,000</b>	<b>174,813,000</b>	<b>181,949,000</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	99	114	108	107	112
Residential – Multi-family	0	0	0	0	0

### D. Annual and Seasonal Water Use

1. 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	12,107,000	11,304,000	10,451,000	10,729,000	10,975,000
February	9,956,000	10,699,000	12,541,000	10,520,000	13,374,000
March	9,554,000	12,123,000	13,538,000	10,232,000	9,918,000
April	15,966,000	9,866,000	14,677,000	11,338,000	14,352,000
May	15,799,000	17,908,000	13,544,000	12,124,000	21,011,000
June	23,201,000	19,304,000	12,381,000	12,481,000	18,488,000
July	18,669,000	25,113,000	14,611,000	14,654,000	17,727,000
August	21,013,000	20,068,000	26,204,000	32,460,000	18,891,000
September	19,428,000	18,157,000	15,805,000	22,242,000	27,324,000
October	12,149,000	19,683,000	19,332,000	21,008,000	16,451,000
November	10,048,000	17,767,000	19,897,000	19,860,000	16,667,000
December	9,367,000	15,275,000	12,627,000	11,944,000	13,198,000
<b>TOTAL</b>	<b>177,257,000</b>	<b>197,267,000</b>	<b>185,608,000</b>	<b>189,592,000</b>	<b>198,376,000</b>

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

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)	62,883,000	64,485,000	53,196,000	59,595,000	55,106,000	59,053,000 5yr Average
TOTAL Retail (Treated + Raw)	177,257,000	197,267,000	185,608,000	189,592,000	198,376,000	189,620,000 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	14,639,000	10	8%
2017	11,305,000	8	6%
2016	9,832,000	7	5%
2015	14,779,000	10	8%
2014	16,427,000	11	8%
<b>5-year average</b>	13,396,400	9	7%

**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	485,635	1,154,000	2.38
2017	540,457	1,179,000	2.18
2016	508,515	1,053,000	2.07
2015	519,430	1,340,000	2.58
2014	543,495	1,354,000	2.49

**G. Summary of Historic Water Use**

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF	160,654,800	96%	0%
Residential MF	0	0%	0%
Industrial	0	0%	0%
Commercial	11,381,200	1%	0%
Institutional	855,800	0%	0%
Agricultural	3,331,800	3%	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.

NA

**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			0	0%
Industrial			0	0%
Commercial			0	0%
Institutional			0	0%
Agricultural			0	0%
<b>TOTAL</b>	0	0	0	

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				
	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

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	
<b>TOTAL</b>	<b>0</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.

**EXHIBIT 2**

**Five and Ten Year Goals for Water Savings  
Form TWDB-1964**

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

Facility Name: Harris County MUD 18

Water Conservation Plan Year: 2019

	Historic 5yr Average	Baseline	5-yr Goal for year <u>2024</u>	10-yr Goal for year <u>2029</u>
Total GPCD <sup>1</sup>	128	128	122	116
Residential GPCD <sup>2</sup>	108	108	103	98
Water Loss (GPCD) <sup>3</sup>	9	9	8.5	8.1
Water Loss (Percentage) <sup>4</sup>	7 %	7 %	7 %	7 %

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

**EXHIBIT 3**

**Rate Order**



AMENDED RATE ORDER

WHEREAS, Harris County Municipal Utility District No. 18 of Harris County, Texas (the "District"), owns a water, sanitary sewer and storm sewer and drainage system designed to serve present and future inhabitants within the District; and

WHEREAS, the Board of Directors deems it necessary to adopt an amended rate order; Therefore,

BE IT ORDERED BY THE BOARD OF DIRECTORS OF HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 18 OF HARRIS COUNTY, TEXAS, THAT:

Section 1: Definitions. The following words or phrases shall have the meanings indicated below:

A. "Single Family Residential User" means a user of the District's water and sewer system which consists of one residence designed for use and occupancy by a single family unit.

B. "Non-Single Family Residential User" means any user of the District's water and sewer system other than a Single Family Residential User including, but not limited to, commercial establishments, apartments, recreational facilities, clubs and multi-family dwelling units.

C. "Non-Taxable User" means a user that is exempt from ad valorem taxation by the District under the Property Tax Code, including, but not limited to, schools and churches.

D. "Public Space User" means any user of the District's System for public or homeowner association esplanades, lakes, recreational areas or green spaces ("Public Spaces").

Section 2: Inspection Fee. All connections to the District's water and sewer system shall be made in accordance with the District's rules and regulations. No sewer connection or house lead shall be covered in the ground before a representative of the District has inspected the connection. The charge for making such inspection for a Single Family Residential User shall be \$65.00. The charge for making such inspection for a Non-Single Family Residential User shall be determined by the District's operator at the time the inspection is requested.

Section 3: Tap Fees.

A. Single Family Residential User Water Tap. Prior to connection to the District's System, a tap fee in the following amount shall be paid to the District.

- (1) In the case of a 5/8 or 3/4 inch meter, the tap fee shall be \$1,275.00.
- (2) In the case of a 1 inch water meter, the tap fee shall be \$1,575.00.
- (3) In the case of a 1 1/2 water meter, the tap fee shall be \$3,750.00.
- (4) In the case of a 2 inch water meter, the tap fee shall be \$4,000.00.

Connections to the District's water system shall not be allowed prior to an approved sewer inspection, and all such connections shall be inspected by the District's operator or its subcontractor.

B. Non-Single Family Residential Users. Prior to connection to the District's water system, a tap fee in the following amount shall be paid to the District: a tap fee equal to three (3) times the District's actual cost of installing the tap, meter, and necessary service lines, and repairing or restoring any yards, sidewalks, streets or other improvements affected by the installation (the "Installation Costs"). The District's operator will produce an estimate for the Installation Costs, which will be sent to the User. The User shall pay the Installation Costs, plus 20%, prior to the installation of the tap. If the actual Installation Costs are greater than the estimated Installation Costs paid by the User, the difference must be paid by the User before the District will provide service to the User. If the actual Installation Costs are less than the estimated Installation Costs paid by the User, a refund for the difference shall be issued to the User.

Connections to the District's water system shall not be allowed prior to an approved sewer inspection, and all such connections shall be inspected by the District's operator or its subcontractor.

C. Non-Taxable Users.

- (1) Non-Taxable Users shall pay a tap fee equal to the District's actual cost of installing the tap, meter and any necessary service lines and the cost of repairing or restoring any yards, sidewalks, streets or other improvements affected by the installation (as determined by the District's operator) plus the User's pro rata share of the District's actual cost of the facilities necessary to provide District services to the Non-Taxable User that are financed or to be fully or partially financed by the District's tax bonds (as

determined by the District's consultants and approved by the Board of Directors) (the "Installation Costs").

- (2) The District's operator will produce an estimate of the Installation Costs, which will then be approved by the Board of Directors and be sent to the User. The User shall pay the estimated Installation Costs, plus 20%, prior to installation of the tap. If the actual Installation Costs are greater than the estimated Installation Costs paid by the User, the difference must be paid by the User before the District will provide service to the User. If the actual Installation Costs are less than the estimated Installation Costs paid by the User, a refund for the difference shall be issued to the User.

D. General Provisions. Only single taps shall be made to the District's system.

Meters shall be installed at the time a connection is made to the District's water system.

Commercial Non-Single Family Residential Users shall be required to comply with the District's Application for Service.

All taps shall be made by or under the supervision of the District's water and sewer system operator. In the event unauthorized taps are made to the District's system, the above tap fees shall be increased by twenty percent (20%) in each instance to cover the District's expense in correcting such taps.

All water systems on public esplanades must be connected to a meter. Any such irrigation connections without meters shall be required to have meters installed. Such Users shall be charged the District's actual cost for installing the meter. Failure to pay the cost of the meter installation within the time periods set forth in Section 15 shall subject the User to disconnection in accordance with the provisions of Section 15.

Section 4: Drainage System Connection. Before any Non-Single Family Residential User connection is made to the District's water, sewage or drainage systems, or before any reconnection is made, the person requesting such connection shall submit to the District's engineer for review and approval the drainage plans for the property for which the connection is sought. Such plans shall clearly show the estimated volume of water and the points of connection to the District's drainage system. A copy of such approved drainage plan with the engineer's approval indicated thereon shall be submitted to the District's operator. Any modification of such drainage plan shall require re-approval by the District's engineer. The District reserves the right to require removal of any connection made in violation of this Section.

Section 5: Pre-Facility Inspection. All builders or contractors for property owners within the District must contact the operator, prior to starting any work on property within the District, to do an inspection to verify District facilities. If any District facility is either damaged or cannot be located, the operator will make necessary repairs or locate and make visible at the expense of the District. A copy of the inspection will be given to the builder's or contractor's representative. After the inspection and any necessary work is completed, the builder or contractor will then be responsible for paying the costs of all damages, adjustments, relocations and repairs found during the Final Site Survey. The cost for each inspection is \$65.00.

Section 6: Facility Inspection. After construction has been completed on the property, but before service is transferred to a User, the District's operator will conduct a Final Site Survey to reinspect the water tap, meter and all other District facilities on the property for a fee of \$65.00. (The \$65.00 fee shall be collected at the time the tap fee is paid.) The property owner, builder or contractor will be held responsible for any damages or adjustments to District facilities and the cost of repairing, adjusting or relocating the facilities (the "Backcharges") before service shall be initiated to a User. If any re-inspections of the facilities are required to ensure that the District's facilities are repaired, relocated or adjusted, a fee of \$65.00 shall be charged for each such re-inspection before service will be transferred to a subsequent User. Payment of the Backcharges, or any \$65.00 inspection or re-inspection fees, shall be made on or before the 30th day after the date of the invoice for said charges. The District may withhold the provision of service to the property or to other property owned by any User, property owner, builder or contractor who has failed to timely pay the Backcharges or any \$65.00 inspection or re-inspection fee, including specifically the provision of additional taps; provided, however, the District shall follow the notification procedures set forth in Section 15 prior to withholding the provision of service.

Section 7: Use of Lead. The use of pipes and pipe fittings that contain more than a weighted average of 0.25 percent lead or solders and flux that contain more than 0.2 percent lead is prohibited for installation or repair of the District's water supply system and for installation or repair of any plumbing in a residential or nonresidential facility providing water for human consumption and connected to the District's water supply system. This requirement may be waived for lead joints that are necessary for repairs to cast iron pipe.

Section 8: Plumbing Regulations; Prohibition against Cross-Connections and Unacceptable Plumbing Practices; Penalty for Violation. Pursuant to Chapter 290 of the Texas Administrative Code, the District adopts the following plumbing regulations, which apply to all Users of the District's potable water distribution system.

A. Service Agreements. Prior to receiving service from the District to new construction or to buildings containing new plumbing fixtures, or prior to having

service reconnected to any building after termination of water service, a User must execute a Service Agreement in the form attached to this Rate Order as Exhibit "A".

B. Plumbing Fixtures. A User is not permitted to install any plumbing fixture which is not in compliance with a state approved plumbing code and the plumbing code, if any, required by the city in whose jurisdiction the District is located.

C. Prohibition Against Water Contamination. No direct connection between the District's potable water distribution system and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the District's potable water distribution system by the installation of an air-gap or an appropriate backflow prevention device in accordance with state plumbing regulations. In addition, all pressure relief valves and thermal expansion devices must be in accordance with state plumbing codes and the plumbing code, if any, required by the city in whose jurisdiction the District is located.

D. Backflow Prevention Assemblies. All sprinkler systems, spas and pools must have backflow prevention assemblies installed by the User at the User's sole cost and expense. In addition, the District, in its sole discretion, may require a Non-Single Family Residential User to install a backflow prevention assembly at any meter(s) servicing such a User's property. The District, in its sole discretion, also may require any User to install other backflow prevention assemblies at any fixture in order to prevent contamination of the District's potable water distribution system or if the User's plumbing system poses a high health hazard. A high health hazard is defined by the Texas Commission on Environmental Quality ("TCEQ") as a "cross-connection, potential cross-connection, or other situation involving any substance that could cause death, illness, spread of disease, or has a high probability of causing such effects if introduced into the potable drinking water supply." If the District determines that a User must install a backflow prevention assembly as a protection against a high health hazard, the backflow prevention assembly used must comply with state approved plumbing codes and the plumbing code, if any, required by the city in whose jurisdiction the District is located, and must be tested and certified at least annually by a recognized backflow prevention assembly tester. A list of certified backflow prevention assembly inspectors can be obtained from the local office of the TCEQ.

The User is responsible for insuring that all backflow prevention assemblies are tested upon installation by the District's operator at a fee of \$150.00. The User is solely responsible for the cost of this test. If the District requires the installation of a backflow prevention assembly in order to prevent a serious threat to the District's public water supply, then the District, in its sole discretion, may immediately terminate service to the User. In that event, service will not be restored until the backflow prevention assembly has been installed and tested and a signed and dated original of a "Backflow Prevention

Assembly Test and Maintenance Report" in the form attached to this Rate Order as Exhibit "B" has been provided to the District's operator.

If the District determines that a backflow prevention assembly must be installed pursuant to this Rate Order for reasons other than to eliminate a serious threat to the District's public water system, the User must install the backflow prevention assembly within five (5) working days after receipt of notice from the District that such installation is required. The User must arrange for the District's operator to perform a "Backflow Prevention Assembly Test and Maintenance Report" in the form attached to this Rate Order as Exhibit "B" within three (3) working days of the installation of the backflow prevention assembly and within three (3) working days of any subsequent repair, maintenance or testing of such assembly. If the User fails to provide the testing certificate within this time, the District, in its discretion, may terminate service to the User pursuant to the terms of this Rate Order. The District's operator will retain such reports for a minimum of three (3) years.

E. Customer Service Inspections. A customer service inspection is required prior to the time the District (i) provides continuous water service to new construction, (ii) provides water service to private plumbing facilities that have been added to existing construction or materially improved or corrected, or (iii) continues service to a User when the District has reason to believe that cross-connections or other unacceptable plumbing practices exist. The cost of such customer service inspection will be the sole responsibility of the User and must be performed by the District's operator, who is a certified waterworks operator holding an endorsement from the TCEQ. The cost will be \$100.00 for Single Family Residential Users and 10% plus the operator's actual charge to the District for other Users. All fees relating to the customer service inspection shall be paid by the User prior to the inspection, and if the inspection is made in connection with new construction, the fee will be collected with the tap fee.

Prior to initiating continuous service to new construction or buildings containing new plumbing fixtures, the User must provide the District's operator with a signed and dated "Customer Service Inspection Certification" in the form attached to this Rate Order as Exhibit "C". The District's operator will retain such inspection certifications for a minimum of ten (10) years. Thereafter, the District's operator or its subcontractors may, at the discretion of the District and/or the District's operator, periodically inspect a User's plumbing system during normal business hours for the purpose of identifying possible cross-connections and other unacceptable plumbing practices which violate this Rate Order.

F. Prohibition Against Cross-Connections. No cross-connection between the District's potable water distribution system and a private water system is permitted. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure-zone backflow prevention

assembly must be properly installed and such assembly must be annually inspected and tested by a certified backflow prevention device tester. A list of certified backflow prevention device testers may be obtained from the local office of the TCEQ. By accepting service from the District, all Users agree to allow such annual inspection and testing of backflow prevention assemblies to take place during normal business hours. If any User refuses to allow such annual inspection and testing, service to such User will be discontinued until such inspection and testing is completed.

No connection which allows water to be returned to the District's potable water distribution system is permitted. This includes, but is not limited to, any device pursuant to which water is removed from the District's potable water distribution system, circulated through a User's system for condensing, cooling and heating of fluids or industrial processes, including but not limited to a heat exchange system, and routed back to the District's potable water distribution system.

G. Notice of Unacceptable Plumbing Practices. The District shall notify the User in writing of any cross-connection or other unacceptable plumbing practice which has been identified during the customer's service inspection, the final plumbing inspection, any periodic reinspection, or any other inspection. At its sole cost and expense, the User shall immediately correct any unacceptable plumbing practice on its premises and properly install, test and maintain any backflow prevention device required by the District within two (2) working days of receipt of notice of the improper cross-connection. The User shall provide copies of all testing and maintenance records on such devices to the District within three (3) working days of the testing or maintenance. If the User fails to correct the noted unacceptable plumbing practice, the District may immediately terminate water service or, at the User's sole cost and expense, eliminate the cross-connection or correct the unacceptable plumbing practice.

H. Grease Trap Inspections. For each grease trap installed, there shall be charged an initial inspection fee of \$100.00 and every month a flat rate inspection fee of \$75.00. If the operator is required to reinspect the grease trap, such reinspection shall be charged at the same \$75.00 rate.

I. Penalty for Violation. The failure of a User to comply with the terms of this Section will be considered a violation of this Rate Order. If such a violation occurs, or if the District determines the existence of a serious threat to the integrity of the District's water supply, the District, in its sole option, may, in addition to all other legal remedies available to it, including those remedies set out in Section 25 of this Rate Order, immediately terminate service or, at the User's sole cost and expense, install the plumbing fixtures or assemblies necessary to correct the unacceptable plumbing practice. If the District terminates service in order to preserve the integrity of the District's water supply, service will be restored only when the source of the potential contamination no longer exists or until additional safeguards have been taken. Any

and all expenses associated with the enforcement of this Section shall be billed to the User.

Section 9: Permit and Platting Requirement. Prior to initially connecting to the District's water, sewer or drainage systems, a Single Family Residential User or Non-Single Family Residential User shall submit to the District's operator proof that the User's property has been (1) fully permitted with all applicable permits and (2) platted in accordance with the subdivision ordinances of the City of Houston. Acceptable proof of permitting includes a copy of all permits and of platting including a copy of the recorded plat, or a certificate from the City of Houston that the property has been platted or that the property is legally exempt from the platting process.

Section 10: Maintenance and Repair. It shall be the responsibility of each User to maintain the water, sanitary sewer and storm sewer lines from the point of connection to the District's water and sewer system to the building served. Meters will be maintained by the District.

Section 11: Set Up Fee and Rates. A fee of \$25.00 shall be charged by the District to each User for the establishment of an account for water and sewer service. Charges for service shall be billed monthly. All bills shall be due and payable on the 10th day after the date of the statement for such charge. Unless payment is received on or before the 11th day after the date of such statement, the account shall be considered delinquent and a late charge of ten percent (10%) of the unpaid balance shall be assessed against the account. Monthly rates for service are hereby established as follows:

### WATER

#### User Rates

Commencing with the installation of the water meter, each User, whether Single Family Residential, Non-Single Family Residential (including townhouses), and commercial properties shall be billed in accordance with the schedule set forth below. The minimum charge includes a \$0.10 regulatory assessment fee to be paid by all Users and submitted to the TCEQ. There shall be no proration for partial monthly use.

\$12.00 base fee per equivalent single family residential connection (as determined by the District's engineer) regardless of usage

First 6,000 gallons	no additional cost
Next 9,000 gallons	\$1.00 per 1,000 gallons to 15,000 gallons
Next 5,000 gallons	\$1.25 per 1,000 gallons to 20,000 gallons
Next 10,000 gallons	\$1.50 per 1,000 gallons to 30,000 gallons

Next 10,000 gallons	\$2.50 per 1,000 gallons to 40,000 gallons
All over 40,000 gallons	\$3.50 per 1,000 gallons

Multi-Family Buildings

a. Single Meter: Each multi-family building which is served by a single meter shall be billed for water at the minimum rate times the number of living units within the building. Use of water above the minimum thus provided for will be billed at the rates quoted above. There shall be no proration for partial monthly use.

b. Multiple Meters: If a multi-family building is served by more than one meter, then water delivered through each meter shall be billed at the minimum rate times the number of living units served through such meter, with consumption over the minimum charged at the rates quoted above. There shall be no proration for partial monthly use.

Construction Period

During construction and prior to initial occupancy, a builder shall be charged a monthly flat rate of \$20.00 for water service. During construction and prior to initial occupancy, no charge shall be made for sewer service.

Public Space Users

Water service will be provided to the public esplanades, lakes, recreational areas or green spaces within the District for irrigation purposes at a monthly rate of \$0.95 per 1,000 gallons used per connection. In order to promote conservation of the District's water supply, however, Public Space Users will pay an increased rate to be set by the District if the District determines that the Public Space User's water usage is excessive, inefficient, and/or wasteful.

Temporary Water Service

a. The District's operator shall be authorized to make a temporary connection to any fire hydrant or flushing valve upon receipt of a written request for temporary water service. Such temporary service shall be supplied only through a District meter installed by the District's operator.

b. The person applying for temporary water service shall be required to deposit \$800.00 with the District to secure the payment for water supplied by the District and the safe return of the District's meter. Upon receipt of full payment for temporary water used and return of the meter in good condition, the deposit will be

returned; provided, however, any damage to the meter or unpaid balances will be paid from the deposit.

c. The fee for temporary water service shall be \$50.00 for costs of installation plus \$2.50 per 1,000 gallons of water used, plus the North Harris County Regional Water Authority ("NHCRWA") fee set forth below per 1,000 gallons of water delivered through the meter.

### NORTH HARRIS COUNTY REGIONAL WATER AUTHORITY

All Users shall be billed a monthly fee per 1,000 gallons of water used equal to 105% of the surface water charge imposed on the District by the NHCRWA.

#### Sale or Use of Water Without a Connection

It shall be an unauthorized use of District services or facilities for any person, firm or entity to use or sell water from the District's water system to serve any tract that does not have a direct connection to the District's water system. Notwithstanding the above, a person, firm or entity may petition the District for temporary service in the manner described in this Section.

### SEWER

Users shall be billed in accordance with the schedule set forth below. The minimum charge includes a \$0.10 regulatory assessment fee to be paid by all Users and submitted to the TCEQ. There shall be no proration for partial monthly use.

Single Family Residential Users	\$15.00 per month flat rate
Multi-Family Users	\$15.00 per month per unit
Commercial Users	\$15.00 per month per equivalent single family residential connection as determined by the District's engineer plus \$1.00 per 1,000 gallons in excess of first 15,000 gallons used

#### Surcharge for Service

In fairness to all Users of land within the District, and to honor its contractual obligations and commitments, the District has the right to monitor the use of water and the discharge of sewage to determine if Users are exceeding the amount of capacity committed to serve their land or buildings. As one method of enforcement, the District has determined to reserve the right to impose a surcharge on any User who uses water or discharges sewage in excess of the amount reserved to such User or tract. Accordingly, in addition to the other charges specified herein, the District has the right

to impose an additional charge of \$0.05 per gallon of water used or sewage discharged in excess of one hundred ten percent (110%) of the amount of capacity reserved to the tract by any utility commitment letter.

Section 12: Additional Payment Options. Any User may pay the monthly water and sewer bill via the payment options provided through the District and its operator including but not limited to, online check and credit card payments, check and credit card payments processed over the telephone, and payment through various area retail locations. Certain payment options are made available through service providers who may charge Users a convenience fee in connection with some payment options. Such convenience fees are the sole responsibility of the User and are separate from any amount owed by the User to the District. Non-payment of any such convenience fee shall subject the User to termination of service in accordance with this Rate Order. If any User payment is refused or returned by the processing financial institution, the District will charge the User a return item fee of \$30.00. Acceptable payment methods for delinquent accounts may be restricted as specified elsewhere in this Rate Order.

Section 13: Returned Check Fee. The District will charge a fee in the amount of \$40.00 to any customer for each check given to the District for payment that must be returned for any reason. Payments attempted to be made by a check which is returned shall be considered delinquent unless cash or certified funds are presented to the District for payment within the time period required by this Rate Order.

Section 14: Security Deposits.

A. Security Deposits. A deposit of \$125.00 shall be required of all Single Family Residential User accounts opened after August 13, 2018, including specifically all new accounts and transfers in current billing accounts. In addition, Single Family Residential Users who have been disconnected in accordance with Section 15 shall be required to have a \$75.00 deposit in place. Such sum shall be held by the District to assure prompt payment of all charges for water and sewer service. Each time service is disconnected an additional \$75.00 deposit will be due until a total of \$500.00 deposit is on hand. A deposit equal to three months of average usage shall be required of all Non-Single Family Residential User accounts. If any such Non-Single Family Residential Users do not have a deposit in this amount as of June 8, 2015 they shall be billed such amounts, due in three installment payments, with their next water bill. New Non-Single Family Residential Users shall pay their deposit upon connection, based on estimated usage. After one year of actual usage, the deposit shall be adjusted as necessary and any deficit shall be added to the next water bill. Any overage shall be held as an additional security deposit up to six months' usage. No interest will be allowed on such deposits. The deposit shall be returned, less any amount owed for services or damages to District facilities, at the request of the customer when the account is closed.

B. Builder Deposits. A \$500.00 deposit shall be required of builders at the time a request for an initial water tap is made for each residence, commercial building, or other structure in the District. Said deposit will be refunded by the District upon a builder's written request if such builder is no longer building in the District; provided, however, that the deposit shall be forfeited as a penalty in the event any provision of this Rate Order or the District's Rules and Regulations Governing Sewer Lines and Sewer Connections, as may be amended from time to time, is violated. The deposit described herein may be applied by the District to the cost of repair of any damage caused to District property by the builder or builder's agent, whereupon it will be the builder's responsibility to reinstate the original amount of the deposit prior to the District's operator making any additional water taps for said builder.

Section 15: Disconnection.

A. Charges for service shall be billed monthly. All bills shall be payable on the 20th day after the date of the statement for said charges. Unless payment of the monthly bill is received on or before the 21st day after the date of said statement or unless payment of any Backcharges is received on or before the 30th day after the date of the invoice, such account shall be considered delinquent and a one-time late charge equal to ten percent (10%) of the unpaid balance shall be charged. The District may, in its discretion, disconnect service for failure to pay all charges and Backcharges by the 50th day after the due date; provided, however, that prior to disconnecting services, the District shall send written notice by United States first class mail to the User or entity at the appropriate address and provide the User or entity with an opportunity to contest, explain or correct the charges, services, or disconnection, at a meeting of the Board of Directors of the District. The written notice shall inform the User or entity of the amount of the delinquent payment, the date service will be disconnected or additional service withheld if payment is not made, the date, time and place of the next scheduled meeting of the Board of Directors, and of the opportunity to contest, explain or correct the charges, services, or disconnection, by presenting in person or in writing such matter to the Board of Directors at the next scheduled meeting as shown in the notice. The date specified for disconnection shall be 10 days after the date of the next scheduled meeting of the Board of Directors as shown in the notice and the date for withholding additional service shall be the date of that Board meeting. The notice shall be deposited, postpaid, in a post office or official depository under the care and custody of the United States Postal Service at least ten (10) days prior to the date of the scheduled meeting of the Board of Directors. A written statement by the District's operator that the notice was so mailed shall be prima facie evidence of delivery of same. The User shall be charged a fee of \$10.00 for the notice. If the User or entity appears before the Board in person or in writing, the Board shall hear and consider the matter and inform the User or entity of the Board's determination by sending written notice by United States first class mail to the User or entity. Prior to the termination of service, a final

notice will be left on the door of the residence of the User and a fee of \$15.00 will be charged to the User for this notice. If service to a User or entity is disconnected for any cause, there shall be charged a reconnection fee of \$75.00 before service is again commenced to such User. Any reconnection must be made by the District's operator. In the event that an unauthorized reconnection is made, the operator shall be authorized to remove the customer's meter.

B. Any person, corporation or other entity who violates any provision of this Rate Order, in addition to being subject to the penalties described in Section 25, shall be subject to having service terminated; provided, however, that prior to disconnecting service for such violations, the District shall give written notice by first class mail or otherwise, to such person, corporation or other entity, of the pending disconnection, and shall give such person, corporation or other entity the opportunity to contest, explain or correct the violation of the Rate Order at a meeting of the Board of Directors of the District. Such disconnection shall be in addition to penalties that may be imposed by the District under Section 25.

Section 16: Easements. Before service is begun to any User or, once begun, before reconnection is made, the person requesting such service shall grant an easement of ingress and egress to and from District facilities for such maintenance and repair as the District, in its judgment, may deem necessary.

Section 17: No Free Service. No free service shall be granted to any User for services furnished by the District's systems whether such User be a charitable or eleemosynary institution, a political subdivision, or a municipal corporation, and all charges for service shall be made as required herein.

Section 18: Out-of-District Service Charges. Customers outside the District's boundaries which have been connected to the District's water and sewer system shall be billed at a rate of three times the stated rates charged customers within the District for service from the District's water and sewer system. Fees for connection to the District's water system shall be billed at a rate one and one-half times the rate charged for connections made within the District.

Section 19: Required Service. No person shall receive service from the District's sanitary sewer system unless such person is also a customer of the District's water system.

Section 20: Quality of Sewage.

A. Domestic Waste. Only ordinary liquid and water-carried waste from domestic activities that is amenable to biological treatment and that is discharged from sanitary conveniences of buildings connected to a public sanitary sewer system shall be

discharged into the District's sanitary sewer lines. Waste resulting from any process of commerce or industry may not be discharged into the District's sanitary sewer lines except as authorized pursuant to subsection (b) below.

B. Commercial and Industrial Waste. All discharges other than waste described in subsection (a) are prohibited unless the User has applied to and received written authorization from the District for such discharge. The applicant must file a statement with the District containing the following information:

- (1) Name and address of applicant;
- (2) Type of industry, business, activity, or other waste-creative process;
- (3) Quantity of waste to be discharged;
- (4) Typical analysis of the waste;
- (5) Type of pretreatment proposed; and
- (6) Such other information as the District may request in writing.

The District shall have the right to reject any application for discharge of non-domestic waste into the District's sanitary sewer lines if the District determines in its sole discretion that the proposed discharge may be harmful to the District's sanitary sewer system or the environment. The District also shall have the right in approving any application for the discharge of non-domestic waste to impose any limitations on such discharge that the District determines in its sole discretion to be necessary to protect the District's sanitary sewer system or the environment.

C. National Categorical Pretreatment Standard. If a User is subject to a national categorical pretreatment standard pursuant to regulations promulgated by the Environmental Protection Agency under Section 307 of the Federal Clean Water Act, the User is prohibited from discharging pollutants into the District's sanitary sewer system in violation of applicable categorical pretreatment standards.

D. District Testing; Pretreatment. The District shall have the right to sample and test any User's discharge at the discretion of the District's operator, with no limit as to the frequency of the tests, and to charge the User for the District's cost of such sampling and testing. The District also shall have the right to require pretreatment, at the User's expense, of any discharge of non-domestic waste if the District determines in its sole discretion that pretreatment of such waste is necessary to protect the District's sanitary sewer system or the environment, even if pretreatment is not otherwise required pursuant to subsection (c) above.

Section 21: Swimming Pool Inspections and Fee. Every User who plans to construct or install a swimming pool within the District shall notify the District's operator in writing prior to commencing construction of the pool. Upon notification by

the User of the intention to construct or install a swimming pool, the User shall pay an inspection fee of \$100.00. After the notification is received, the District's operator shall ensure that all drains from the swimming pool are connected to the District's sanitary sewer system. After the drains have been installed, the User shall notify the District's operator, who shall make an inspection of all swimming pool drains to verify that the proper connection is made, before service is authorized for said swimming pool.

Section 22: No Guarantee of Specific Quantity or Pressure of Water. The District does not guarantee any User any specific quantity or pressure of water for any purpose whatsoever, and all Users understand and agree that the District is not liable for failure or refusal to furnish any particular amount or pressure of water to any User at any time.

Section 23: Prohibited Discharges and Unauthorized Materials.

A. Sanitary Sewer Facilities. All waste discharged into the District's sanitary sewer system shall conform to the requirements hereof and shall consist only of waste amenable to biological treatment or other processes employed by the District from time to time. No person may discharge into the District's sanitary sewer system any waste which by itself or by interaction with any other waste may:

- (1) Injure or interfere with the processes or physical properties or facilities of the District's sanitary sewer system;
- (2) Constitute a hazard to humans or animals; or
- (3) Create a hazard in receiving waters of the effluent of the sanitary sewer system.

Discharges prohibited by the foregoing parameters include, but are not limited to, materials which exert or cause: excessive discoloration or concentrations of suspended solids, or chlorine demands in excess of the ability of the sanitary sewer system to adequately treat and dispose of such waste in compliance with applicable regulatory requirements. Prohibited discharges also include, but are not limited to, the following materials which, if present in sufficient quantities, may cause or result in a violation of the foregoing parameters: ashes, cinders, sand, mud, grass clippings, straw, shavings, metal, glass, rags, tar, plastic, wood or wood products, oil, grease, garbage (other than properly shredded garbage), paper or paper products, chemicals, paint residues, or bulk solids.

B. Drainage Facilities. No discharges shall be made into the District's storm sewer system, other than storm sewer water run-off. For the purpose of providing drainage capacity and services to drain the land located within its boundaries, the

District has constructed, owns and operates a drainage and storm sewer system (collectively, the "Drainage Facilities"). It is essential that the District maintain the Drainage Facilities and ensure that they are kept clear of any objects or debris that may block them and interfere with their intended purpose. The District's Drainage Facilities are solely allowed to carry storm water rainfall and anything deposited into such system shall be unauthorized. Any individual who disposes, or is responsible for the disposal, of trash, household or other hazardous materials, construction materials or debris, chemicals, other debris, or grass, tree and yard clippings, or anything else prohibited under regulations implemented pursuant to the Federal Water Pollution Control Act or any state equivalent act, or that might potentially impede the free flow of storm water runoff ("Unauthorized Materials") in the Drainage Facilities or the District's Rights-of-Way will be responsible for (1) removing such Unauthorized Materials and restoring the Drainage Facilities to their prior condition or (2) reimbursing the District for all costs of removal and restoration if the District opts, at its sole discretion, to perform such work. In addition to or in place of the foregoing, the District may assess a penalty or disconnect the customer's water service to collect such penalty for such violation under Section 25 and Exhibit "D" of this Rate Order.

Section 24: Builder Responsibilities.

A. Street Cleaning. The builder and developer will be responsible for ensuring that the street in front of their lots stays free from the accumulation of trash, sediment, dirt, and all other debris. Street cleaning will be done by street scraping or by using a vacuum sweeper. Washing sediments into the sewer inlets is prohibited by the District and the Environmental Protection Agency.

B. Concrete Wash-Out Site. Each builder will provide a single, dedicated concrete wash-out site on one of the builder's reserved lots, for use during construction. The site selected will be reviewed with the District and developer, and an identification sign must be erected on the site by the builder prior to use.

The builder will clean and maintain the site as necessary and is responsible for the proper and legal disposal of concrete. Silt fencing must be installed along the curb in front of the wash-out site as well as an access pad.

The builder will inform its subcontractors of the location and purpose of the concrete wash-out site.

C. Other Builder Responsibilities. The builder is responsible for observing all signs and for enforcing this Rate Order with all employees, suppliers, and subcontractors. Builders are responsible for conducting regular inspections of their erosion control measures to insure they are functioning properly.

D. Failure to Comply. Failure of a builder to comply with these builder responsibilities will be considered a violation of this Rate Order and will subject the builder to penalties set forth in this Rate Order. Further, the District, at its sole option, may perform or have performed any of the builder's responsibilities and backcharge the builder for the cost. Failure to timely pay a backcharge or to comply with these responsibilities will subject the builder to termination of service or withholding of taps in accordance with this Rate Order.

Section 25: Penalties for Violation. Any person, corporation or other entity who:

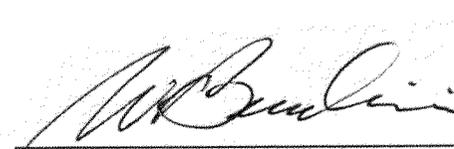
- A. violates any Section of this Rate Order; or
- B. makes unauthorized use of District services or facilities; or
- C. causes damage to District facilities by using such facilities in a manner or for a purpose contrary to the purpose for which such facilities were designed; or
- D. reconnects to the District's system after termination of service by the District without having paid all outstanding charges due to the District; or
- E. uses or permits the use of any septic tank or holding tank within the District; or
- F. violates the District's Rules and Regulations Governing Sewer Lines and Sewer Connections; or
- G. violates the District's Order Adopting a Drought Contingency Plan; or
- H. violates the District's Order Establishing Rules and Regulations Regarding Sanitary and Pollution Control of the Areas in Proximity to the District's Public Water Supply Wells.

shall be subject to a penalty of \$5,000.00 for each breach of the foregoing provisions. Each day that a breach of any provision hereof continues shall be considered a separate breach. Failure to pay these fines shall result in violator being subject to disconnection of water service in accordance with Section 15. A schedule of penalties for violations of Section 23 is included in Exhibit "D".

This penalty shall be in addition to the other penalties, fees and charges provided by this Rate Order and the laws of the State of Texas and to any other legal rights and remedies of the District as may be allowed by law.

Section 26: Superseding Orders. This Rate Order supersedes all prior orders, resolutions and other actions of the Board concerning fees and charges for water and sewer services.

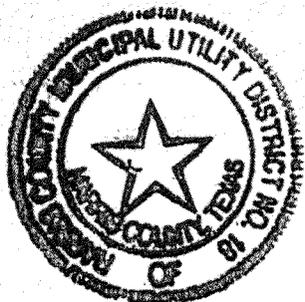
APPROVED AND ADOPTED this 13th day of August, 2018.

  
\_\_\_\_\_  
President, Board of Directors

ATTEST:

  
\_\_\_\_\_  
Secretary, Board of Directors

(SEAL)



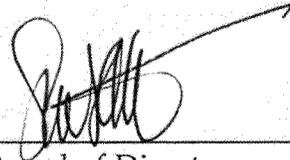
LIST OF EXHIBITS

- Exhibit "A" — Service Agreement
- Exhibit "B" — Backflow Prevention Assembly Test and Maintenance Report
- Exhibit "C" — Customer Service Inspection Certification
- Exhibit "D" — Schedule of Fines and Penalties for Violation of Section 23

CERTIFICATION

I, the undersigned officer of the Board of Directors of Harris County Municipal Utility District No. 18 of Harris County, Texas, do hereby certify that the foregoing is a true and correct copy of the water and sewer rate order approved by the Board of Directors of said District on August 13, 2018, and said rates and rules are currently in effect.

Witness my hand and seal of the District the 13th day of August, 2018.



\_\_\_\_\_  
Secretary, Board of Directors

(SEAL)

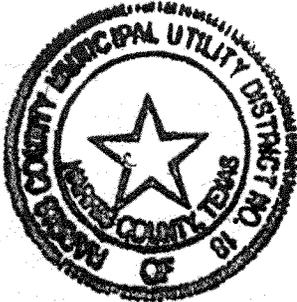


EXHIBIT "A"

SERVICE AGREEMENT

- I. **PURPOSE.** The Harris County Municipal Utility District No. 18 of Harris County, Texas ("District") is responsible for protecting the drinking water supply from contamination or pollution which could result from improper plumbing practices. The purpose of this service agreement is to notify each customer of the plumbing restrictions which are in place to provide this protection. The District enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before the District will begin service. In addition, when service to an existing connection has been suspended or terminated, the District will not re-establish service unless it has a signed copy of this agreement.
  
- II. **PLUMBING RESTRICTIONS.** The following unacceptable plumbing practices are prohibited by State regulations.
  - A. No direct connection between the public drinking water supply and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by an air-gap or an appropriate backflow prevention device.
  - B. No cross-connection between the public drinking water supply and a private water system is permitted. These potential threats to the public drinking water supply shall be eliminated at the service connection by the installation of an air-gap or a reduced pressure-zone backflow prevention device.
  - C. No connection which allows water to be returned to the public drinking water supply is permitted.
  - D. No pipe or pipe fitting which contains more than a weighted average of 0.25% lead may be used for the installation or repair of plumbing at any connection which provides water for human use.
  - E. No solder or flux which contains more than 0.2% lead can be used for the installation or repair of plumbing at any connection which provides water for human use.
  
- III. **SERVICE AGREEMENT.** The following are the terms of the service agreement between the Harris County Municipal Utility District No. 18 of Harris County, Texas (the "District") and [NAME OF CUSTOMER] (the "Customer").
  - A. The District will maintain a copy of this agreement as long as Customer and/or the premises is connected to the District's water system.
  - B. Customer shall allow his/her property to be inspected for possible cross-connections and other unacceptable plumbing practices. These inspections shall be conducted by the District or its designated agent prior to initiating new water service; when there is reason to believe that cross-connections or other unacceptable plumbing practices exist; or after any major changes to the private plumbing facilities. The inspections shall be conducted during the District's normal business hours.

- C. The District shall notify Customer in writing of any cross-connection or other unacceptable plumbing practice which has been identified during the initial inspection or the periodic reinspection.
- D. Customer shall immediately correct any unacceptable plumbing practice on his/her premises.
- E. Customer shall, at his/her expense, properly install, test, and maintain any backflow prevention device required by the District. Copies of all testing and maintenance records shall be provided to the District.
- F. Customer understands and agrees that the District does not guarantee any specific quantity or pressure of water for any purpose whatsoever and that the District is not liable to customer for failure or refusal to furnish any particular amount or pressure of water to Customer at any time.

IV. **ENFORCEMENT.** If Customer fails to comply with the terms of the Service Agreement, the District shall, at its option, either terminate service or properly install, test, and maintain an appropriate backflow prevention device at the service connection. Any expenses associated with the enforcement of this Service Agreement shall be billed to Customer.

CUSTOMER'S SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

EXHIBIT "B"

Backflow Prevention Assembly Test and Maintenance Report

The following form must be completed for each assembly tested. A signed and dated original must be submitted to the public water supplier for recordkeeping purposes.

BACKFLOW PREVENTION ASSEMBLY TEST AND MAINTENANCE REPORT

NAME OF PWS: \_\_\_\_\_

PWS I.D. #: \_\_\_\_\_

LOCATION OF SERVICE: \_\_\_\_\_

The backflow prevention assembly detailed below has been tested and maintained as required by TCEQ regulations and is certified to be operating within acceptable parameters.

Not needed at this address

TYPE OF ASSEMBLY

- Reduced Pressure Principle
- Double Check Valve
- Pressure Vacuum Breaker
- Atmosphere Vacuum Breaker

Manufacturer: \_\_\_\_\_ Size: \_\_\_\_\_

Model Number: \_\_\_\_\_ Located At: \_\_\_\_\_

Serial Number: \_\_\_\_\_

	Reduced Pressure Principle Assembly			Pressure Vacuum Breaker	
	Double Check Valve Assembly		Relief Valve	Air Inlet	Check Valve
	1st Check	2nd Check		Opened at _____ psid	_____ psid
Initial Test	DC - Closed Tight <input type="checkbox"/> RF _____ psid Leaked <input type="checkbox"/>	Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at _____ psid	Did Not Open <input type="checkbox"/>	Leaked <input type="checkbox"/>
Repairs and Materials Used					
Test After Repair	DC - Closed Tight <input type="checkbox"/> RF _____ psid Leaked <input type="checkbox"/>	Closed Tight <input type="checkbox"/>	Opened at _____ psid	Opened at _____ psid	_____ psid

The above is certified to be true.

Firm name: \_\_\_\_\_

Certified Tester: \_\_\_\_\_

Firm Address: \_\_\_\_\_

Cert. Tester No.: \_\_\_\_\_

Date: \_\_\_\_\_

EXHIBIT "C"

Customer Service Inspection Certification

Name of PWS \_\_\_\_\_

PWS I.D. # \_\_\_\_\_

Location of Service \_\_\_\_\_

I, \_\_\_\_\_, upon inspection of the private plumbing facilities connected to the aforementioned public water supply do hereby certify that, to the best of my knowledge:

- |   | Compliance               | Non-Compliance           |
|---|--------------------------|--------------------------|
| (1) No direct connection between the public water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water system by an air gap or an appropriate backflow prevention assembly in accordance with state plumbing regulations. Additionally, all pressure relief valves and thermal expansion devices are in compliance with state plumbing codes. | <input type="checkbox"/> | <input type="checkbox"/> |
| (2) No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure zone backflow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified backflow prevention device tester.     | <input type="checkbox"/> | <input type="checkbox"/> |
| (3) No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.  | <input type="checkbox"/> | <input type="checkbox"/> |
| (4) No pipe or pipe fitting which contains more than 8.0% lead exists in private plumbing facilities installed on or after July 1, 1988 and before January 4, 2014. For facilities installed after January 4, 2014, no pipe or pipe fitting which contains more than a weighted average of 0.25%.   | <input type="checkbox"/> | <input type="checkbox"/> |
| (5) No solder or flux which contains more than 0.2% lead exists in private plumbing facilities installed on or after July 1, 1988.  | <input type="checkbox"/> | <input type="checkbox"/> |
| (6) No plumbing fixture is installed which is not in compliance with a state approved plumbing code.  | <input type="checkbox"/> | <input type="checkbox"/> |

Water service shall not be provided or restored to the private plumbing facilities until the above conditions are determined to be in compliance.

I further certify that the following materials were used in the installation of the plumbing facilities:

Service Lines: Lead       Copper       PVC       Other   
Solder:      Lead       Lead Free       Solvent Weld       Other

I recognize that this document shall become a permanent record of the aforementioned Public Water System and that I am legally responsible for the validity of the information I have provided.

\_\_\_\_\_  
Signature of Inspector

\_\_\_\_\_  
Registration Number

\_\_\_\_\_  
Title

\_\_\_\_\_  
Type of Registration

\_\_\_\_\_  
Date

\_\_\_\_\_  
License Expiration Date

EXHIBIT "D"

Schedule of Fines and Penalties for Violation of Section 23

First violation (unless it results in damage to persons or property)	Warning
Second violation	\$50 per day*
Third violation	\$250 per day*
Subsequent	\$1,000 per day*

Failure to pay these fines shall result in violator being subject to disconnection of water service in accordance with Section 15. In addition to these fines, the District has the right to remedy the situation resulting in the violation and to the extent costs are incurred, they will be in addition to these fines. However, any violation that the District, in its sole discretion, determines may result in damage to persons or property (including the District's facilities or property), the maximum fine of up to \$5,000 per day will be imposed, in addition to any remedial costs.

\* Each day that a breach of any provision hereof continues shall be considered a separate violation.