



Control Number: 51788



Item Number: 7

Addendum StartPage: 0

TARIFF CONTROL NO. 51788

APPLICATION OF UNDINE TEXAS, LLC FOR A PASS THROUGH RATE CHANGE §
 § **BEFORE THE PUBLIC UTILITY COMMISSION OF TEXAS**
 §

UNDINE TEXAS, LLC'S SUPPLEMENT TO ITS APPLICATION FOR A PASS THROUGH RATE CHANGE

COMES NOW, Undine Texas, LLC (Undine) and files this Supplement to its Application for a Pass Through Rate Change. This filing supplements the Application filed herein on February 3, 2021. Specifically, attached as supplemental information are the following:

1. City of Houston's 2020 Water Rates, see page 10, attached as **Attachment A**.
2. Harris-Galveston Subsidence District Maps, attached as **Attachment B**.
3. Harris-Galveston Subsidence District GRP Areas, attached as **Attachment C**.

Undine respectfully requests that its application for a pass through rate change, as supplemented by this filing, be approved.

Respectfully submitted,

LLOYD GOSSELINK ROCHELLE & TOWNSEND, P.C.

816 Congress Avenue, Suite 1900
Austin, Texas 78701
(512) 322-5800
(512) 472-0532 (Fax)
jmauldin@lglawfirm.com




JAMIE L. MAULDIN
State Bar No. 24065694

ATTORNEYS FOR UNDINE TEXAS, LLC

CERTIFICATE OF SERVICE

I certify that, unless otherwise ordered by the presiding officer, notice of the filing of this document was provided to all parties of record via electronic mail on March 19, 2021, in accordance with the Order Suspending Rules, issued in Project No. 50664.



JAMIE L. MAULDIN

2/25/20

2020 WATER & SEWER RATES

Rate increase effective date April 1, 2020

City of Houston Ordinance 2010-305 approves an automatic annual rate adjustment effective April 1st each year. The water and wastewater rate adjustment for 2020 is 3.5%. This rate adjustment is based on the 2019 Houston Regional Consumer Price Index of 2.2% plus the City of Houston population increase of 1.3% according to the United States Census Bureau.

This annual rate adjustment helps cover the cost increase to provide safe, clean drinking water and the collection and treatment of wastewater. The bill you receive in April may reflect a proration between the previous and the new rate. The May bill will reflect a full month of the new rate.

New rate tables will be posted on April 1, 2020 to www.HoustonWater.org. The website also features the ability for customers to sign up for ebills, automatic payments, and tips on ways to minimize water usage. Customer Account Services is continuously looking for ways to better serve you. If you have any questions, please call 713-371-1400.

2/25/20

2020 WATER & SEWER RATES

Effective date April 1, 2020

The basic service charge for both water and sewer is affected by the water meter size. For all classes that include sewer, the water consumption is used to determine the appropriate sewer consumption charge.

Single-Family Residential – TU 01, 02, & 03:

The basic charge for each meter size is listed below. For simplicity, this table adds volume and base charges together for 1,000 to 6,000 gallons. From 7,000 to 12,000 gallons the rate is \$5.66 per 1,000 gallons, regardless of meter size. Starting at 13,000 gallons, the rate is \$9.32 per 1,000 gallons.

Water Rates				
	5/8 or 3/4" meters	1 inch meter	1.5 inch meter	2 or 3 inch meter
Basic charge, per meter size	\$ 5.74	\$ 7.10	\$ 10.76	\$12.67
The numbers below this line include both Base and Volume charges				
1,000 gallons	\$5.89	\$7.26	\$10.91	\$12.82
2,000 gallons	\$13.43	\$14.79	\$18.45	\$20.36
3,000 gallons	\$13.88	\$15.24	\$18.90	\$20.81
4,000 gallons	\$26.25	\$27.61	\$31.27	\$33.18
5,000 gallons	\$31.46	\$32.82	\$36.48	\$38.39
6,000 gallons	\$36.67	\$38.03	\$41.69	\$43.60
7,000 to 12,000 gallons	The total charge for 6,000 gallons + \$5.66 per 1,000 gallons			
Over 12,000 gallons	The total charge for 12,000 gallons + \$9.32 per 1,000 gallons			

Sewer Rates					
	5/8 or 3/4" meters	1 inch meter	1.5 inch meter	2 inch meter	3 inch meter
Basic charge, per meter size	\$12.19	\$12.81	\$14.84	\$15.46	\$27.69
The numbers below this line include both Base and Volume charges					
1,000 gallons	\$12.39	\$13.01	\$15.04	\$15.66	\$27.89
2,000 gallons	\$12.79	\$13.41	\$15.44	\$16.06	\$28.29
3,000 gallons	\$13.12	\$13.74	\$15.77	\$16.39	\$28.62
4,000 gallons	\$30.07	\$30.69	\$32.72	\$33.34	\$45.57
5,000 gallons	\$36.19	\$36.81	\$38.84	\$39.46	\$51.69
6,000 gallons	\$45.10	\$45.72	\$47.75	\$48.37	\$60.60
Over 6,000 gallons	The total charge for 6,000 gallons + \$8.91 per 1,000 gallons				

2/25/20

EXAMPLES OF RESIDENTIAL BILLINGS:

1,000 gallons, 5/8" meter	\$ 5.89 Water \$ <u>12.39</u> Sewer		
Total/Month	\$ 18.28		
7,000 gallons, 5/8" meter	\$ 42.33 Water \$ <u>54.01</u> Sewer	Water Charges	Sewer Charges
Total/Month	\$ 96.34	\$36.67 for 6,000 gallons plus 1,000 gallons at \$5.66 = \$42.33	\$45.10 for 6,000 gallons plus 1,000 gallons at \$8.91 = \$54.01
14,000 gallons, 5/8" meter	\$ 89.27 Water \$ <u>116.38</u> Sewer	\$36.67 for 6,000 gallons plus 6,000 gallons at \$5.66 plus 2,000 gallons at \$9.32 = \$89.27	\$45.10 for 6,000 gallons plus 8,000 gallons at \$8.91 = \$116.38
Total/Month	\$205.65		

Multi-Family – TU 14-19:

- 14 (duplex – 2 units)
- 15 (tri-plex – 3 units)
- 16 (quad-plex – 4 units)
- 17 (master-metered townhomes – any number of units)
- 18 (apartments — 5+ units)
- 19 (trailer parks)

Consumption is no longer included with the basic charge. The volume charges are applied to all usage.

Rate	Meter size (Inches)	Basic Water Charge	Basic Sewer Charge
Basic Charge (0 consumption)	5/8	\$5.96	\$10.48
	3/4	\$6.14	\$10.48
	1	\$7.39	\$11.01
	1.5	\$11.18	\$12.76
	2	\$13.16	\$13.29
	3	\$34.83	\$23.81
	4	\$47.47	\$26.97
	6	\$81.37	\$38.54
	8	\$212.45	\$93.60
	10	\$212.45	\$113.76
Volume Charge	All	+ \$4.58 per 1,000 gallons	+ \$6.66 per 1,000 gallons

2/25/20

Commercial – TU 21-60:

Consumption is no longer included with the basic charge. The volume charges are applied to all usage.

Rate	Meter Size (Inches)	Basic Water Charge	Basic Sewer Charge
Basic Charge (0 consumption)	5/8	\$ 5.96	\$10.48
	3/4	\$ 6.14	\$10.48
	1	\$ 7.39	\$11.01
	1.5	\$ 11.18	\$12.76
	2	\$ 13.16	\$13.29
	3	\$ 34.83	\$23.81
	4	\$ 47.47	\$26.97
	6	\$ 81.37	\$38.54
	8	\$ 212.45	\$93.60
	10	\$ 212.45	\$113.76
Volume Charge	All	+ \$4.70 per 1,000 gallons	+ \$6.66 per 1,000 gallons

Industrial, No Surcharge – (WSC 6) TU 21-60, 61, 62:

Industrial rates include a monthly basic charge and volume charges for both water and sewer. No consumption is included with the basic charge for water or sewer. Some customers are billed for sewer only, based on readings from non-City of Houston water meters.

Rate	Meter Size (Inches)	Water Charge	Basic Sewer Charge
Basic Charge (0 consumption)	5/8	\$ 5.96	\$17.72
	3/4	\$ 6.14	\$17.72
	1	\$ 7.39	\$17.72
	1.5	\$ 11.18	\$17.72
	2	\$ 13.16	\$17.72
	3	\$ 34.83	\$23.60
	4	\$ 47.47	\$26.97
	6	\$ 81.37	\$38.54
	8	\$ 212.45	\$93.60
	10+	\$ 212.45	\$113.76
Volume Charge	All	+ \$4.70 per 1,000 gallons	Up to 2,000 gallons at \$4.10 per 1,000 gallons
			All over 2,000 gallons at \$7.29 per 1,000 gallons.

2/25/20

Transient Meters – TU 71:

These accounts have rental fees, base charges and consumption charges.

Rate	Basic Water Charge		
	1"	2"	3"
Basic Charge/Rental Fee (0 consumption)	\$19.87	\$26.51	\$33.12
Volume Charges	+\$5.27 per 1,000 gallons		

For any questions or concerns, please call 832-395-6285, or fax to 713-371-1122.

Lawn/Outdoor Meters – TU 72:

No consumption is included with the basic charge. Volume charges are applied to all usage, but there are two rate tiers. The "defined quantity" marks the point where the tier changes, which is different for each meter size. Volumes up to the defined quantity are charged at the lower rate tier; volumes in excess of the defined quantity are charged at the higher rate tier.

Rate	Meter Size (Inches)	Basic Water Charge	Defined Quantity (First Tier of Volume Charges)
Basic Rate, per meter size, (plus first tier of volume charges)	5/8	\$ 29.65	None – all consumption at 2 nd tier
	3/4	\$ 29.65	None – all consumption at 2 nd tier
	1	\$ 33.24	None – all consumption at 2 nd tier
	1.5	\$ 88.25	Up to 10,000: + \$3.45 per 1,000 gallons
	2	\$ 136.40	Up to 16,000: + \$3.45 per 1,000 gallons
	3	\$ 296.12	Up to 35,000: + \$3.45 per 1,000 gallons
	4	\$ 501.31	Up to 60,000: + \$3.45 per 1,000 gallons
	6	\$ 1032.36	Up to 125,000 + \$3.45 per 1,000 gallons
	8	\$ 1492.91	Up to 180,000. + \$3.45 per 1,000 gallons
	10	\$ 1492.91	Up to 180,000: + \$3.45 per 1,000 gallons
Volume Charges Second Tier (All meter sizes)	All consumption over defined quantity: + \$7.94 per 1,000 gallons		

EXAMPLES OF LAWN BILLING:

<u>5/8" Meter w/2,000 gallons</u>	<u>1" Meter w/12,000 gallons</u>	<u>3" meter w 60,000 gallons</u>	<u>6" meter w 60,000 gallons</u>
Basic: \$29.65	Basic: \$33.24	Basic: \$296.12	Basic: \$1032.36
2nd tier: 2*7.94 \$15.88	2 nd tier: 12*7.94 <u>\$95.28</u>	1 st tier: 35*3.45 \$120.75 2 nd tier: 25*7.94 \$198.50	1 st tier: 60*3.45 \$207.00
TOTAL: \$45.53	TOTAL: \$128.52	TOTAL: \$615.37	TOTAL: \$1239.36

2/25/20

Other Classes:**Industrial w/Surcharge – (WSC 9) TU 21-60, 61, 62, 63:**

Industrial rates include a monthly basic charge and volume charges for both water and sewer. Some customers are billed for sewer only, based on readings from non-City of Houston water meters. These customers take their water from non-City of Houston sources and may choose to install a water meter of the type and standard approved by the department for the purpose of measuring the amount of water taken into such facilities. The water consumption indicated by such meter shall be the basis of determining the sewer charge. Rates are the same as if the water is from City of Houston source.

No consumption is included with the basic charge for water or sewer. While the basic charge for water and sewer is determined by meter size, the volume charge for sewer may vary based on the results of effluent testing.

Rate	Meter Size (Inches)	Water Charge	Basic Sewer Charge
Basic Charge (0 consumption)	5/8	\$ 5.96	\$17.72
	3/4	\$ 6.14	\$17.72
	1	\$ 7.39	\$17.72
	1.5	\$ 11.18	\$17.72
	2	\$ 13.16	\$17.72
	3	\$ 34.83	\$23.60
	4	\$ 47.47	\$26.97
	6	\$ 81.37	\$38.54
	8	\$ 212.45	\$93.60
	10+	\$ 212.45	\$113.76
Volume Charge	All	+ \$4.70 per 1,000 gallons	See below

Additional surcharges for industrial sewer accounts are determined by application of a special formula to the results of effluent tests:

$$R = X + (\text{BOD} * 8.337 * Y/1000) + (\text{SS} * 8.337 * Z/1000)$$

Or $R = \text{Rate} / \text{TG}$ as 47-122(b)(2)(b), whichever is greater

Where:

$X = \$4.9010$ per 1000 gallons, $R = 8.377$, $Y = \$0.8440 / \text{lb.}$, $Z = \$0.3331 / \text{lb.}$

$\text{BOD} =$ Five-day, 20 degrees Centigrade biochemical oxygen demand content of the waste delivered, in mg/l.

$\text{SS} =$ Suspended solids content of the waste delivered, in mg/l.

Any questions on how the surcharges are calculated, or regarding prohibited discharges, should be referred to the Wastewater Operations Branch by calling (832) 395-5779 or by emailing allison.osborne@houstontx.gov.

2/25/20

Resale – TU 73:

These customers purchase water from the City of Houston for resale.

Rate	Meter Size (Inches)	Basic Water Charge
Basic Charge, per meter size (0 consumption)	5/8	\$22.49
	3/4	\$22.49
	1	\$26.08
	1.5	\$64.35
	2	\$98.13
	3	\$212.42
	4	\$357.85
	6	\$733.47
	8 and above	\$1,062.51
Volume Charge (All meter sizes, all consumption)	\$5.64 per 1,000 gallons	

Emergency Backup Service – TU 74:

The Contact Center at 713-371-1400 can answer routine questions about these accounts. To notify CAS of EBS use, fax the report to 832-395-5255.

Rate	Meter Size (Inches)	Basic Water Charge
Basic Charge, per meter size (0 consumption)	5/8,3/4	\$ 8.55
	1	\$ 12.16
	1.5	\$ 17.93
	2	\$ 23.86
	3	\$ 49.98
	4	\$ 79.34
	6	\$ 153.27
	8	\$ 227.04
	10+	\$ 235.02
Volume Charge (All meter sizes, all consumption)	\$8.72 per 1,000 gallons	

2/25/20

Un-Metered Fire Line Charge – TU 21-60, 75:

Un-metered fire lines are charged a flat fee every month, under the provisions of City of Houston Ordinance §47-64. These lines must be equipped with backflow prevention assemblies.

<i>Corresponding size of the diameter of service line</i>	Monthly Charge for Basic Service
<i>5/8 inch</i>	\$15.60
<i>3/4 inch</i>	\$15.60
<i>1.0 inch</i>	\$15.60
<i>1.5 inch</i>	\$62.12
<i>2.0 inch</i>	\$91.62
<i>3.0 inch</i>	\$91.62
<i>4.0 inch</i>	\$91.62
<i>6.0 inch</i>	\$102.06
<i>8.0 inch</i>	\$174.21
<i>10.0 inch</i>	\$235.01

Metered Fire Line Charge Only – TU 21-60:

These customers have their fire service isolated from the remainder of the water supply, and served through an independent meter. Normally they will have zero consumption, but a consumption charge applies if consumption occurs.

Rate	Meter Size (Inches)	Basic Water Charge
Basic Charge, per meter size (0 consumption)	5/8	\$5.96
	¾	\$6.14
	1	\$7.39
	1.5	\$11.18
	2	\$13.16
	3	\$34.83
	4	\$47.47
	6	\$81.37
	8 and above	\$212.45
Volume Charge (All meter sizes, all consumption)	\$4.70 per 1,000 gallons	

2/25/20

Un-Metered Sewer Only Customer – TU 81-82:

Special rates apply to sewer customers without City of Houston water or effluent meters. These are monthly rates, but will continue to be billed on a bi-monthly basis.

Class	Monthly Fee
Single Family Residential	\$30.06
Duplex	\$63.75
Multi-family (3+ units)	\$37.29 per single family unit
Commercial	\$70.36 per unit (defined in §47-1002)
Industrial	\$70.33 per unit (defined in §47-1002)

Contract, Untreated and Reclaimed Water (TU 91):

Treated Water (TU 91) – contracted

R1=	/ TG	R2=	/TG	N=	/ TG	N=	\$0.0810	/TG	
\$3.260 0		\$3.980 0		\$0.810 0			0		
with airgap water: $p * R1 + (p-m) * N1$ without airgap = $p * R2 + (p - m) * N2$ (p: total water delivery in the month, M: minimum monthly water quantity in contract)									

Untreated Water (TU 91) – no contract

Consumption (/TG)	Per /TG
0 - 10,000	\$1.8666
11,000-20,000	\$1.6773
21,000-50,000	\$1.5819
51,000-150,000	\$1.4863
151,000 & up	\$1.4386

Reclaimed/ Untreated Water (TU 91) – contracted

Surcharge (S)	Quantity Charge (/TG)
R= \$0.7461 /TG	\$0.7461
If $(P - M) > 10\% M$, $S = P * R * 5\%$ (M: Max. Qty in contract)	

If you have further questions on these accounts, contact Maria Carrillo 832-395-6220.

Contract Sewer:

These rates vary, based on whether the contracting district has participated in capital outlays.

If you have further questions on these accounts, contact Maria Carrillo 832-395-6220.

2/25/20

Agricultural and Rice Farmers (TU 91):

Agricultural - General

Quantity Charge (/MG)	\$152.27
------------------------------	-----------------

Agricultural - Rice

First Watering (/MG or /Acre)	\$152.27
Additional Watering (/MG or /Acre)	\$27.69

If you have further questions on these accounts, contact Maria Carrillo 832-395-6220.

Groundwater Reduction Plan (GRP) Participants:

GRP: R*P*Q where

- R is the base rate for contract treated water customer receiving water through airgap
- P is the percentage reduction for groundwater production required for GRP participant
- Q is the quantity of groundwater produced by the GRP participant during the month.

	R1=	\$3.26	/TG	R2=	\$3.98	/TG	N=	\$0.81	/TG	N=	\$0.81	/TG
with airgap water: $p * R1 + (p-m) * N1$ without airgap = $p * R2 + (p - m) * N2$ (p: total water delivery in the month, M: minimum monthly water quantity in contract)												

If you have further questions on these accounts, contact Veronica Osegueda at (832) 395-3080.

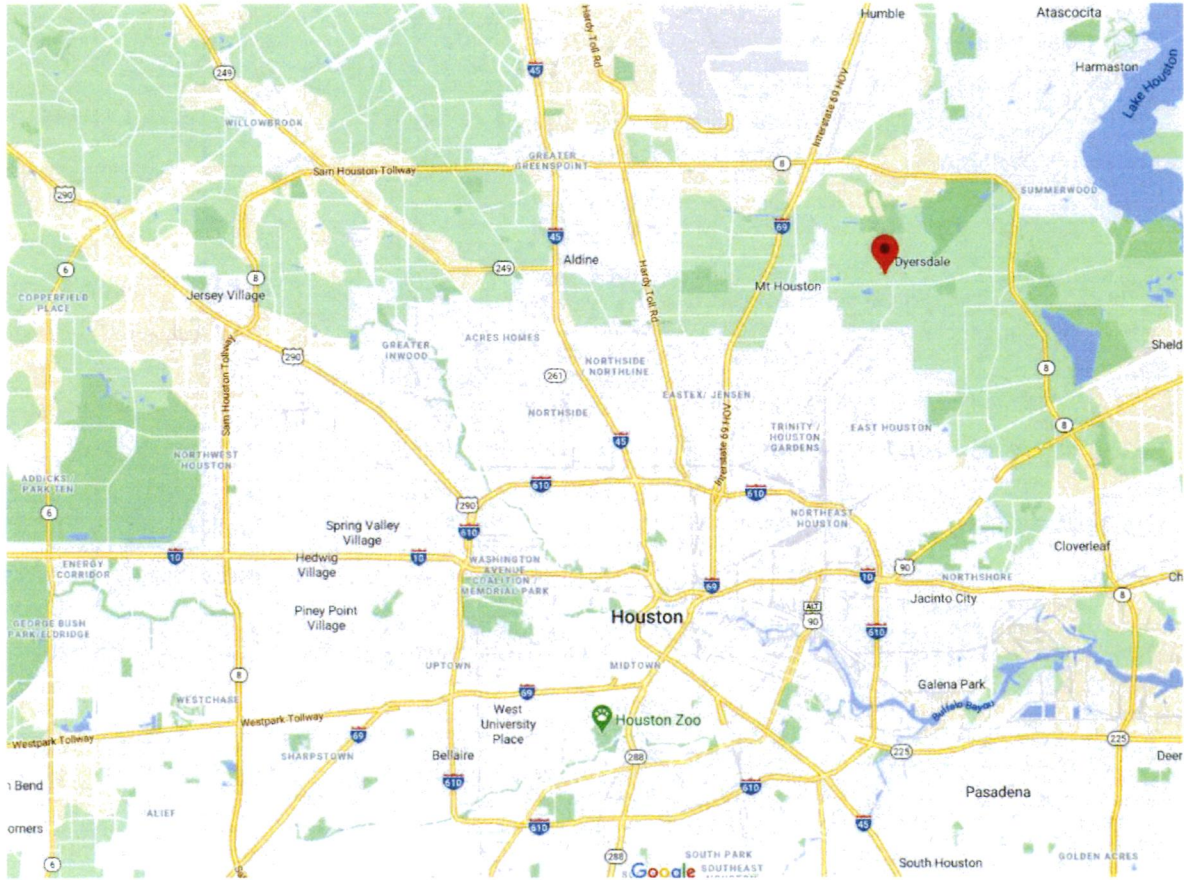
For additional reference, see chart on next page.

2/25/20

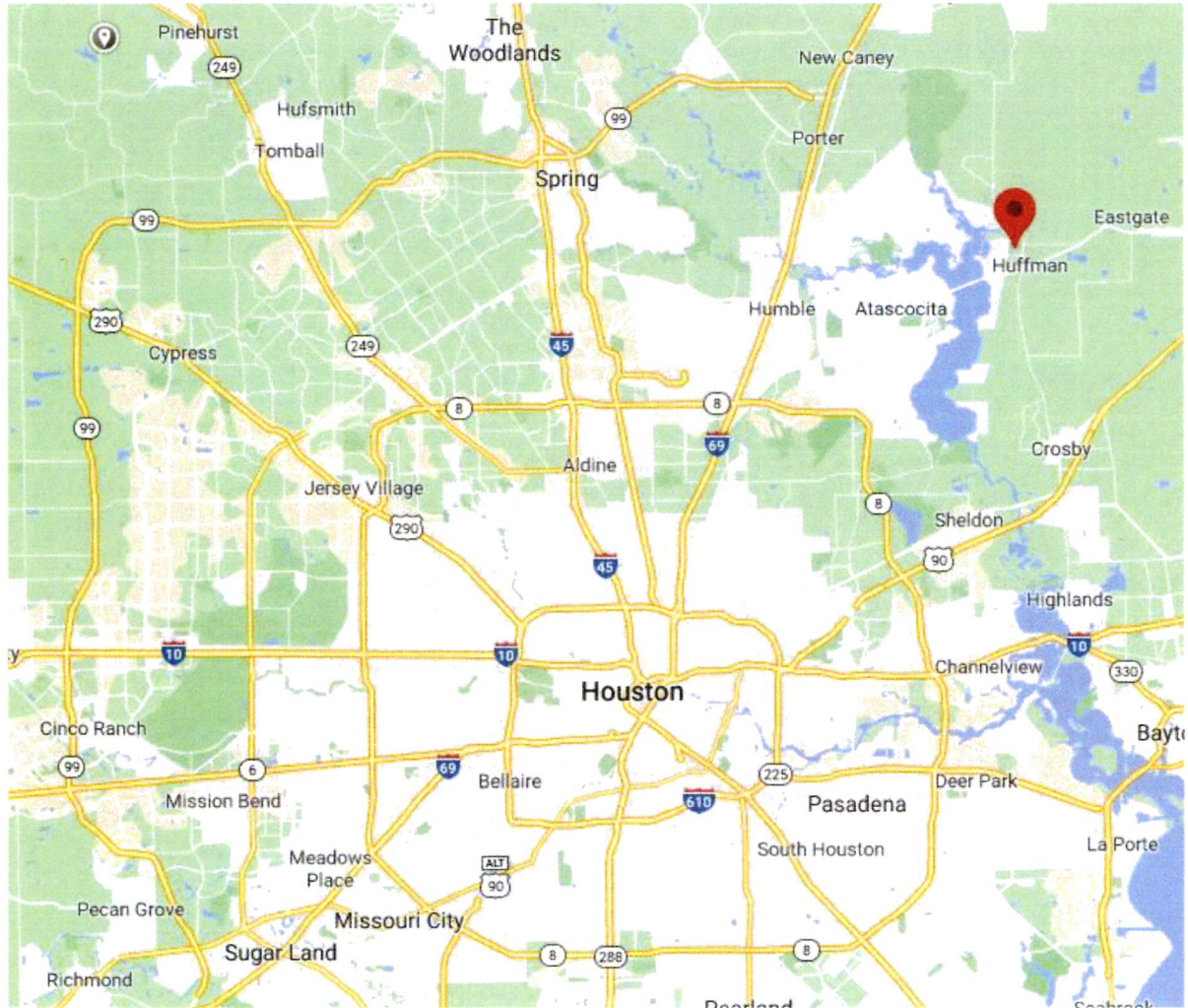
Fee Schedule

Name	Description	Statutory Authority	Amount	As Of
Water Rates	Untreated Water Sales No Contract Standard Rate for volume from 1,000 to 10,000 gallons, per 1,000 gallons	47-84(d)(1)	\$1.8666	4/1/2020
Water Rates	Untreated Water Sales No Contract Standard Rate for volume from over 10,000 to 20,000 gallons, per 1,000 gallons (in addition to Volume Charge for the first increment of 10,000 gallons)	47-84(d)(2)	\$1.6773	4/1/2020
Water Rates	Untreated Water Sales No Contract Standard Rate for volume from over 21,000 to 50,000 gallons, per 1,000 gallons (in addition to Volume Charges for the first increment of 10,000 gallons and for the second increment of 10,000gallons)	47-84(d)(3)	\$1.5819	4/1/2020
Water Rates	Untreated Water Sales No Contract Standard Rate for volume from over 51,000 to 150,000 gallons, per 1,000 gallons (in addition to Volume Charges for the first increment of 10,000 gallons, the second increment of 10,000 gallons and the third increment of 30,000 gallons)	47-84(d)(4)	\$1.4863	4/1/2020
Water Rates	Untreated Water Sales No Contract Standard Rate for volume over 151,000 gallons, per 1,000 gallons (in addition to Volume Charges for the first 10,000 gallons, the second increment of 10,000 gallons, the third increment of 30,000 gallons and the fourth increment of 100,000 gallons)	47-84(d)(5)	\$1.4386	4/1/2020
Water Rates	Contract Untreated Water sold in excess of contract amount, per 1,000 gallons	47-85	\$0.7461	4/1/2020
Water Rates	Contract Untreated Water for agricultural use, general agriculture, per 1,000 gallons	47-89(b)(1)	\$152.70	4/1/2020
Water Rates	Contract Untreated Water for agricultural use, rice irrigation, rate for first watering, per acre of contracted land (if diverted through a meter on canal / conveyance system - per 1,000 gallons actually used)	47-89(b)(2)a	\$152.70	4/1/2020
Water Rates	Contract Untreated Water for agricultural use, rice irrigation, Rate for each additional watering, per acre of contracted land (if diverted through a meter on canal / conveyance system - per 1,000 gallons actually used)	47-89(b)(2)b	\$27.69	4/1/2020

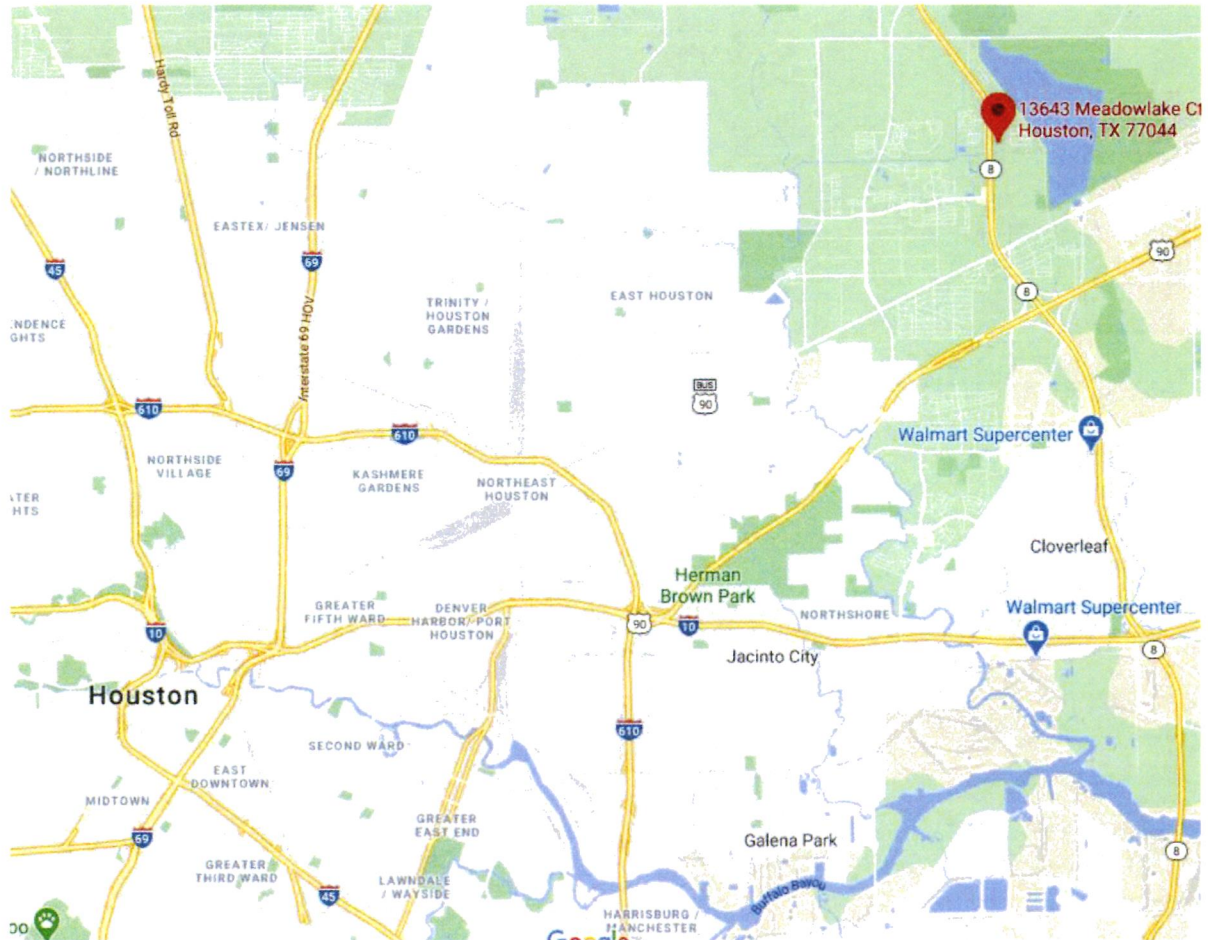
URBAN ACRES SYSTEM



HUFFMAN HEIGHTS SYSTEM



MEADOWLAKE ESTATES SYSTEM





Harris-Galveston Subsidence District Surface Water Conversion Plan

Conversion Requirements

- Area I 90%
- Area II 80%
- Area III
 - 30% by 2010
 - 70% by 2020
 - 80% by 2030

COH 2009 Surface Water Conversion

Area I: 100%
Area II: 87%
Area III: 45%

