CITY OF HUMBLE

ORDINANCE NO. 14-734

AN ORDINANCE OF THE CITY OF HUMBLE, TEXAS, AMENDING CHAPTER 46, UTILITIES BY CREATING ARTICLE V., WATER CONSERVATION; ADOPTING A DROUGHT CONTINGENCY PLAN; ESTABLISHING CRITERIA FOR THE INITIATION AND TERMINATION OF DROUGHT RESPONSE STAGES; ESTABLISHING RESTRICTIONS ON CERTAIN WATER USES; ESTABLISHING PENALTIES FOR THE VIOLATION OF AND PROVISIONS FOR ENFORCEMENT OF THESE RESTRICTIONS; ESTABLISHING PROCEDURES FOR GRANTING VARIANCES; AND PROVIDING SEVERABILITY AND AN EFFECTIVE DATE.

WHEREAS, the City of Humble, Texas recognizes that the amount of water available to the City and its water utility customers is limited and subject to depletion during periods of extended drought; and

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

WHEREAS, Section 11 1272 of the Texas Water Code and applicable rules of the Texas Commission on Environmental Quality require all public water supply systems in Texas to prepare a drought contingency plan; and

WHEREAS, as authorized under law and in the best interests of the citizens of Humble, Texas, the City Council deems it expedient and necessary to establish certain rules and policies for the orderly and efficient management of limited water supplies during drought and other water supply emergencies; now therefore,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF HUMBLE, TEXAS, THAT:

SECTION 1 That Chapter 46 of the City of Humble Code of Ordinances known as Utilities be amended to create Article V., Water Conservation, and read as follows:

That the City of Humble, Texas Drought Contingency Plan, attached hereto as Exhibit "A" and made part hereof, including appendices thereto, save and except such portions as are hereinafter deleted, modified or amended, and to the same extent are hereby adopted and incorporated as fully as if set out at length herein, and the provisions thereof shall be controlling, and the same is hereby adopted as the official Policy of the City

SECTION 2 That all ordinances or parts of ordinances inconsistent or in conflict herewith are, to the extent of such inconsistency or conflict, hereby repealed, and all other ordinances of the City not in conflict with the provisions of this ordinance shall remain in full force and effect.

SECTION 3 In the event any section, paragraph, subdivision, clause, phrase, provision, sentence, or part of this Ordinance or the application of the same to any person or circumstance shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part of provision hereof other than the part declared to be invalid or unconstitutional, and the City Council of the City of Humble, Texas, declares that it would have passed each and

every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, or whether there be one or more parts.

SECTION 4 Upon the passage of this ordinance, the City Secretary is ordered to publish this Ordinance in accordance with the provisions of Article II, Section 13 of the Charter of the City of Humble and to note on this Ordinance and on the record thereof the fact that this Ordinance has been published as required by the Charter, including the date of such publication.

SECTION 4 This ordinance shall take effect immediately from and after its passage and the publication of the caption, as the law in such cases provides.

PASSED, APPROVED AND ADOPTED this the 13th day of May, 2014

APPROVED·

D G McMannes
Mayor

ATTEST

Jason Stuebe
City Secretary

THIS ORDINANCE WAS PUBLISHED IN THE OFFICIAL NEWSPAPER OF THE CITY O HUMBLE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 13 OF THE CHARTER OF THE CITY OF HUMBLE TEXAS ON: MAY 21, 2014

ATTEST

Jason Stuebe
City Secretary

WATER CONSERVATION
AND
DROUGHT CONTINGENCY PLAN

for

CITY OF HUMBLE, TEXAS

UPDATED
April 2014
ARKK JOB NO 14-002

Prepared by:

ARKK ENGINEERS

CITY OF HUMBLE
WATER CONSERVATION PLAN

Section 1. Approval of the Plan. The City of Humble hereby approves and adopts this Plan as set forth, and the provisions of such Plan shall be implemented immediately and enforced as rules of the City

Section 2. Declaration of Policy, Purpose and Intent. The purpose of the Plan is to promote the efficient and responsible use of water by (l) implementing structural programs that result in quantifiable water conservation results, (2) developing, maintaining and enforcing water conservation policies, (3) adhering to all applicable rules of the Texas Commission on Environmental Quality and/or the Texas Water Development Board and (4) supporting public education programs that educate customers water conservation.

Section 3. Service Area. Profile data for the City is provided in Appendix "A" Appendix "A" includes data on the City's service area, including population and customer data, water use data, water supply system data and wastewater data. ***Water Conservation Utility Profile,*** **TWDB-1965** was utilized to provide the profile data.

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

Five Year Target: The per capita water usage in the City over the previous five years (2009-2013) was 193 gallons per capita per day ("gpcd"). By the year end 2019, the City shall attempt to reduce the average daily use of water in the City's service area by 5% to 183 gpcd, and to keep the unaccounted water in the system below 10% annually

Ten Year Target: By the year end 2024, the City shall attempt to reduce the average daily use of water in the City's service area by an additional 3% gpcd to 178 gpcd, and to keep the unaccounted water in the system below 10% annually

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

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

Section 6. Unaccounted Water Usage. The City of Humble authorizes the City Manager to

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

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

Direct distributions to all customers of the City of educational and informational material regarding water conservation or drought contingency planning. This may be information provided with the utility billing.

Participation with elementary schools within the City of Humble in the Water Wise Program.

Provide book covers to the elementary school promoting water conservation.

Section 8. Cost-based Rate Structure. The City has adopted a water rate structure which is not "promotional" but is cost-based and which does not encourage the excessive use of water. The current water rate structure is attached hereto as Appendix "B"

Section 9. Implementation and Enforcement. Without limitation to specific actions stated in this Plan to be taken by the City Manager, the City Manager will administer and enforce this Plan, and will oversee and be responsible for the execution and implementation of all elements of this Plan.

The City of Humble will adhere to the following in an effort to achieve the targets and goals for water conservation.

Calibrations of the existing water supply meters will be performed annually at a minimum.

The City of Humbles retail customer water meter replacement program is as follows
Meters will continue to be monitored for accuracy and will be tested and replaced or rebuilt on a five-year cycle from meters larger than 2" and on a ten-year cycle for meters 2" and smaller Logs shall be maintained for meter calibration, meter testing, and meter replacement programs.

Water audits are conducted annually Real water losses are identified and corrected. Annual water audits shall be documented and kept in the City's files.

The City of Humble does their billing by computer The meters are read with tower mounted automatic meter reading device. Information collected by the automatic meter reader and computer can detect variation in consumption. The meter reading/billing software produces a report of high or

low consumption which is manually checked in the field.

The City of Humble will mail out material developed by the staff, materials obtained from the Texas Water Development Board, Texas Commission on Environmental Quality or other sources to all retail customers.

The City of Humble will continue to review rates annually to insure water revenues exceed expenses and replacement costs and to discourage excessive and wasteful use.

Section 10. Leak Detection and Repair. The City monitors monthly water use accounting by the billing computer which identifies high water use of the service meters indicating leaks. The data transmitted from meters the can identify at what time the water is being used. A steady flow of water throughout the night can indicate leaking pipe or fixtures. The system notifies the utility department regularly of connections that may have a leak and are checked in the field. Constant monitoring by visual inspection by City employees of facilities keeps a constant watch to identify major water main breaks and for abnormal conditions indicating leaks. The City has an adequate maintenance staff available to repair any leaks

Section 11. Record Management. The City authorizes the City Manager to establish a record management system to record water pumped, water delivery, water sales, and water losses, and which allows for the segregation of water sales and uses into single family, multi-family, commercial, industrial, institutional and agriculture user classes.

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

Section 13. Five-year Review. The City 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.

Section 14. Coordination with Regional Water Planning Group. The service area of the City is located within the Region H Water Planning Area, and the City has provided a copy of this water conservation plan to the Region H Regional Water Planning Group

APPENDIX A –
UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Texas Water Development Board

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: City of Humble

Public Water Supply Identification Number (PWS ID): 1010014

Certificate of Convenience and Necessity (CCN) Number: _____

Surface Water Right ID Number: _____

Wastewater ID Number: _____

Completed By: Mark Arnold/John Rudloff Title: Asst. Director of Public Work

Address: 102 Granberry City: Humble Zip Code: 77338

Email: marnold@cityofhumble.net Telephone Number: (281) 446-2327

Date: 4-28-14

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
- [x] Have 3,300 or more retail connections
- [ ] Have a surface water right with TCEQ

Section I: Utility Data

A. Population and Service Area Data

1. Current service area size in square miles: 10
(Attach or email a copy of the service area map.)

2. Provide historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Service
2013	15,338	378	15,338
2012	15,270	375	15,270
2011	15,201	372	15,201
2010	15,133	369	15,133
2009	15,085	366	15,085

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

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Service
2020	16,578	384	16,578
2030	19,003	393	19,003
2040	20,055	393	20,055
2050	20,882	393	20,882
2060	21,841	393	21,841

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

The population was increased at 0 45% from the 2010 census which was the increase per year from the 2000 to the 2010 census data. An additional 2,500 population is added to the projection from years 2018 to 2027 for the only area that is projected for residential development in the coming years. Most of the other land available for development is projected as commercial or industrial. The projected population for the wholesale water service is for the Ramblewood subdivision only No information is available for the population of the area that the City of Houston serves and the water supplied to the City of Houston serves as a supplement to their well.

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
2013	779,739,000	333,205,000	85,983,363	1,026,960,637	183
2012	790,515,000	334,185,000	62,945,000	1,061,755,000	190
2011	830,028,000	353,220,000	43,598,000	1,139,650,000	205
2010	893,795,000	180,000,000	22,111,000	1,051,684,000	190
2009	1,112,076,000	338,000	39,719,000	1,072,695,000	195
Historic 5-year Average	881,230,600	240,189,600	50,871,273	1,070,548,927	193

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

1. Designed daily capacity of system 8,541,600 **gallons** per day.
2. Storage Capacity
   Elevated 1,625,000 **gallons**
   Ground 3,385,000 **gallons**

3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons
Well #1	Ground	374,400
Well #6	Ground	1,584,000
Well #7	Ground	792,000
Well #8	Ground	1,440,000
Well # 9	Ground	2,851,200
City of Houston Interconect	Contract	1,500,000

*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)
2015	15,477	1,133,067,000
2016	15,546	1,143,264,000
2017	15,616	1,153,554,000
2018	15,936	1,200,436,000
2019	16,257	1,247,411,000
2020	16,578	1,249,481,000
2021	17,221	1,341,646,000
2022	17,543	1,388,906,000
2023	17,865	1,436,264,000
2024	18,187	1,483,719,000

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

Projected water demands were projected based on the water use over the past 29 years. We had data on the total pumping into the system back to 1985. We looked each year and compared it to the last 5,10,15,20 and 25 years. The individual for each numbers varied some were positive and others were negative depending years. However when we averaged the percent change for the 5, 10, 15 20 and 25 year the average for each fell between 0.95% and 0.82%. A yearly increase of 0.90% was utilized to project the future water demand. Additionally, based on information provided by a developer an additional 1 MGD was added between the years 1018 and 2027 (and additional 100,000 gpd/year until the development is complete). The population has grown at 0 45% from the 2000 census to the 2010 census. It was assumed that this rate will continue along with an additional 250 per year for the proposed development.

E. High Volume Customers

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

Retail Customer	Water Use Category*	Annual Water Use	Treated or Raw
Lawler Food	Commercial	48,850,948	Treated
Memorial Hermann Hospital	Commercial	34,877,325	Treated
Medowbrook MHP	Residential	30,764,360	Treated
GGP Deerbook Mall	Commercial	20,025,372	Treated
Township Apartments	Residential	19,596,330	Treated

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

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

Wholesale Customer	Water Use Category*	Annual Water Use	Treated or Raw
City of Houston	Municipal	68,735,000	Treated
Ramblewood Water	Municipal	17,248,363	Treated
	Choose One		Choose One
	Choose One		Treated
	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.

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				
	2013	2012	2011	2010	2009
Residential - Single Family	293,728,588	285,835,827	349,427,341	244,206,823	252,897,992
Residential – Multi-family	188,270,571	176,965,497	207,467,194	211,952,000	228,459,984
Industrial					
Commercial	661,480,770	524,729,116	467,150,424	344,516,404	349,827,000
Institutional					
Agricultural					
TOTAL	1,143,479,929	987,530,440	1,024,044,959	800,675,227	831,184,976

*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				
	2013	2012	2011	2010	2009
Residential - Single Family					
Residential – Multi-family					

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				
	2013	2012	2011	2010	2009
January	78,499,000	82,083,000	74,499,000	81,334,000	85,202,000
February	73,857,000	72,398,000	73,063,000	68,766,000	78,461,000
March	92,505,000	81,593,000	82,686,000	78,452,000	83,565,000
April	87,053,000	82,091,000	95,757,000	86,400,000	85,327,000
May	96,389,000	98,454,000	111,045,000	96,972,000	93,034,000
June	102,994,000	103,445,000	120,048,000	102,091,000	122,015,000
July	113,945,000	96,192,000	120,723,000	95,872,000	119,870,000
August	110,021,000	108,911,000	130,290,000	109,064,000	102,068,000
September	99,449,000	106,956,000	117,331,000	93,940,000	89,085,000
October	93,305,000	103,780,000	99,145,000	93,758,000	84,998,000
November	82,070,000	98,060,000	80,900,000	86,700,000	84,271,000
December	80,857,000	90,737,000	77,761,000	79,466,000	84,548,000
TOTAL	1,112,944,000	1,124,700,000	1,183,248,000	1,072,815,000	1,112,464,000

Section II: System Data

A. Retail Connections

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

Water Use Category*	Active Retail Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Residential – Single Family	3,492		3,492	48%
Residential – Multi-family (units)	2,897		2,897	40%
Industrial			0	0%
Commercial	945		945	13%
Institutional			0	0%
Agricultural			0	0%
TOTAL	7,334	0	7,334	

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

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

Water Use Category*	Net Number of New Retail Connections				
	2013	2012	2011	2010	2009
Residential – Single Family	142	32	283	183	147
Residential – Multi-family (units)	110	-3	-186	-172	-145
Industrial					
Commercial	74	31	53	43	-2
Institutional					
Agricultural					
TOTAL	326	60	150	54	0

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

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

Month	Total Gallons of Raw Retail Water				
	2013	2012	2011	2010	2009
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL	0	0	0	0	0

3 Summary of seasonal and annual water use.

Water Use	Seasonal and Annual Water Use					Average in Gallons
	2013	2012	2011	2010	2009	
Summer Retail (Treated + Raw)	326,960,000	308,548,000	371,061,000	307,027,000	343,973,000	331,513,800 / 5yr Average
TOTAL Retail (Treated + Raw)	1,112,944,000	1,124,700,0	1,183,248,000	1,072,815,000	1,112,464,000	1,121,234,200 / 5yr Average

E. Water Loss

Provide Water Loss data for the previous five years.

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

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

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
2013	8,737,313	2	1%
2012	86,185,000	15	8%
2011	12,396,680	2	1%
2010	172,811,934	31	16%
2009	241,682,463	44	23%
5-year average	104,363,078	19	10%

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)
2013	3,046,000	4,865,000	1.60
2012	3,072,000	4,094,000	1.33
2011	3,263,000	5,198,000	1.59
2010	2,997,000	4,415,000	1 47
2009	3,098,000	5,022,000	1.62

G. Summary of Historic Water Use

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF	285,219,314	48%	0%
Residential MF	202,623,049	40%	0%
Industrial	0	0%	0%
Commercial	469,540,743	13%	0%
Institutional	0	0%	0%
Agricultural	0	0%	0%

H. System Data Comment Section

Provide additional comments about system data below

Item A. 2 is information obtained from running inquirers on the billing software These numbers do not appear correct based on the limited amount of development that has occurred over the last 5 years. The software company support is looking into this

Item C Residential Water Use could not be calculated. We did not have any information on the breakdown of the population between Single Family Residential and Multi-Family Residential

Section III: Wastewater System Data

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

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

1. Design capacity of wastewater treatment plant(s): 4,950,000 **gallons** per day.

2. List the active wastewater connections by major water use category

Water Use Category*	Active Wastewater Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	3,001		3,001	77%
Industrial	0		0	0%
Commercial	874		874	23%
Institutional	0		0	0%
Agricultural	0		0	0%
TOTAL	3,875	0	3,875	

2. What percent of water is serviced by the wastewater system? 100 %

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				
	2013	2012	2011	2010	2009
January	57,663,000	62,105,000	67,582,000	57,935,000	62,642,000
February	50,181,000	69,690,000	58,251,000	58,321,000	55,976,000
March	53,905,000	68,674,000	61,457,000	55,842,000	67,226,000
April	54,881,000	61,712,000	58,032,000	51,068,000	71,294,000
May	56,263,000	60,926,000	60,680,000	63,799,000	58,818,000
June	58,023,000	59,952,000	59,339,000	65,307,000	57,124,000
July	59,370,000	64,753,000	63,066,000	80,460,000	60,596,000
August	58,741,000	65,027,000	61,192,000	65,978,000	60,839,000
September	60,319,000	60,487,000	58,244,000	68,133,000	58,757,000
October	65,748,000	61,188,000	61,048,000	61,971,000	66,339,000
November	63,763,000	54,910,000	58,797,000	63,674,000	54,419,000
December	56,807,000	54,543,000	65,569,000	64,041,000	65,502,000
TOTAL	695,664,000	743,967,000	733,257,000	756,529,000	739,532,000

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	53,400,000
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (parks, golf courses)	
Agricultural	
Discharge to surface water	
Evaporation pond	
Other	
TOTAL	53,400,000

C. Wastewater System Data Comment

Provide additional comments about wastewater system data below.

You have completed the Utility Profile. Save and Print this form to submit with your Plan Continue with the **Water Conservation Plan Checklist** to complete your Water Conservation Plan

APPENDIX B –
CITY'S EXISTING WATER RATE STRUCTURE

RESOLUTION

NO. 13-724

A RESOLUTION ADJUSTING THE CITY OF HUMBLE COMMERCIAL WATER AND SEWER RATES AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the governing body of the City of Humble, Texas deems it a necessity to increase the current commercial water rates, the following rates shall be charged:

Section 1. Water Rates

METER SIZE	MINIMUM MONTHLY	COST PER 1,000 GALLONS OVER 3,000
5/8" X 3/4"	$ 21 00	$ 3.65
1"	$ 30 00	$ 3.65
1 5"	$ 55 00	$ 3.65
2"	$ 85 00	$ 3.65
3"	$ 125.00	$ 3.65
4"	**$ 150.00**	**$ 3.65**
6"	$ 200 00	$ 3.65
8"	$ 250 00	$ 3 65
>8"	$ 300 00	$ 3 65

Section 2. Commercial Sewer Rates

METER SIZE	MINIMUM MONTHLY	COST PER 1,000 GALLONS OVER 3,000
5/8" X 3/4"	$ 35 00	$ 3.90
1"	$ 40 00	$ 3 90
1 5"	$ 55.00	$ 3 90
2"	$ 70 00	$ 3 90

3"	$ 85 00	$ 3.90
4"	$ 110 00	$ 3.90
6"	$ 140 00	$ 3.90
8"	$ 200 00	$ 3.90
>8"	$ 250.00	$ 3 90

NOW, THEREFORE BE IT RESOLVED by the City Council of the City of Humble, Texas that the aforementioned adjusted commercial water and sewer rates shall be charged and shall be effective as of January 1, 2013

PASSED, APPROVED and ADOPTED this 20th day of November, 2012.

D G. McMannes
Mayor

ATTEST

Sue Daniel, City Secretary

RESOLUTION

NO. 10-708

A RESOLUTION ADJUSTING THE CITY OF HUMBLE WATER AND SEWER RATES AND WATER TAP FEES FOR RESIDENTIAL AND COMMERCIAL CUSTOMERS AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the governing body of the City of Humble, Texas deems it a necessity to increase the current water rates and water and sewer tap fees for residential and commercial customers, the following rates shall be charged

Section 1. Water Rates

Residential and Multi-Family Dwellings - Water

$ 12.50 - for the first 3,000 gallons used per unit and $ 2.05 per additional 1,000 gallons used thereafter

Residential Senior Citizens - Water

$ 4 75 - for the first 5,000 gallons used, and $ 1 70 per 1,000 gallons up to 10,000 gallons, and $ 2.05 per additional 1,000 gallons used thereafter

Replaced with Per Meter Size Charges

Commercial Small - Water

$ 23.00 - for the first 3,000 gallons and $ 3 45 for each additional 1,000 gallons used thereafter (Examples of Customers - individual retail stores, churches without food preparation, offices and convenience stores without food preparation or restaurants, service stations without carwashes and/or food preparations, commercial irrigation)

Commercial Medium - Water

$ 55 50 - for the first 3,000 gallons and $ 3 65 for each additional 1,000 gallons used thereafter (Examples of Customers - schools without food preparation, day care centers, senior living facilities without food preparation, medical/dental clinics, theaters without food preparation, hair salons, clubs or bars without food preparation, hotels and motels without food preparation, car wash businesses with recyclable water systems, retail centers without food preparation or restaurants)

Commercial Large - Water

$ 81 00 - for the first 3,000 gallons and $ 3 80 for each additional 1,000 gallons used thereafter (Examples of Customers - restaurants, fast food centers, retail

centers with food courts or restaurants, senior living facilities with food preparation, clubs or bars with food preparation, laundries, car wash businesses without recyclable water systems, grocery stores with meat market and/or produce section and/or food preparation, meat markets, industrial process, hotels and motels with food preparation, convenience stores with food preparation or restaurants, service stations with car washes and/or food preparation, and all other commercial establishments that require grease traps per the City of Humble plumbing ordinance)

Bulk Water Rate

$ 75 00 - for the first 3,000 gallons used and $ 5.25 per additional 1,000 gallons used thereafter

Section 2. Sewer Rates

Residential and Multi-Family Dwellings - Sewer

$ 26.00 - for the first 3,000 gallons used per unit and $ 1 25 per additional 1,000 used thereafter based on an average of 3 months of winter bills - Dec., Jan. and Feb New customers, with no historical usage, are billed for wastewater usage based on adopted average Standard Sanitary Wastewater Usage for residential customers during the months of Dec., Jan. and Feb. - currently 6,000 gallons

Residential Senior Citizen - Sewer

$ 4 08 flat fee

Commercial Small - Sewer

$ 41 00 - for the first 3,000 gallons and $ 3 90 for each additional 1000 gallons used thereafter. (Examples of Customers - individual retail stores, churches without food preparation, offices and convenience stores without food preparation or restaurants, service stations without car washes and/or food preparations)

Commercial Medium - Sewer

$ 47 50 - for the first 3,000 gallons and $ 3 90 for each additional 1000 gallons used thereafter (Examples of Customers - schools without food preparation, day care centers, senior living facilities without food preparation, medical/dental clinics, theaters without food preparation, hair salons, clubs or bars without food preparation, hotels and motels without food preparation, car wash businesses with recyclable water systems, retail centers without food preparation or restaurants)

Replaced with Rates Based on Meter

Commercial Large - Sewer

$ 55.00 - for the first 3,000 gallons and $4 00 for each additional 1000 gallons used thereafter (Examples of Customers - restaurants, fast food centers, retail centers with food courts or restaurants, senior living facilities with food preparations, clubs and bars with food preparation, laundries, car wash businesses without recyclable water systems, grocery stores with meat market and/or produce section and/or food preparation, hospitals, theaters with food preparation, schools with food preparation, convenience stores with food preparation or restaurants, service stations with car wash and/or food preparations, and all other commercial establishments that require grease traps per the City of Humble Plumbing Ordinance)

Section 3. Water Tap Fees

Residential Water Tap

Size of Meter	Type of Tap	New Fee
3/4"	Short	$ 950 00
3/4"	Long	$ 1,425 00
3/4"	Street Cut	$ 1,950 00
1"	Short	$ 1,035.00
1"	Long	$ 1,560.00
1"	Street Cut	$ 2,060.00

Commercial Water Tap

Size of Meter	Type of Tap	New Fee
3/4"	Short	$ 1,025.00
3/4"	Long	$ 1,500.00
3/4"	Street Cut	$ 2,075 00
1"	Short	$ 1,135.00
1"	Long	$ 1,660.00
1"	Street Cut	$ 2,135.00
1 ½ "	Short	$ 1,425.00
1 ½ "	Long	$ 1,900 00
1 ½ "	Street Cut	$ 2,425.00
2"	Short	$ 2,775.00
2"	Long	$ 3,250 00
2"	Street Cut	$ 3,775 00
Over 2"		Cost Plus 15%

NOW, THEREFORE BE IT RESOLVED by the City Council of the City of Humble, Texas that the aforementioned adjusted water rates and water and sewer tap fees shall be charged and shall be effective as of October 1, 2010

PASSED, APPROVED and ADOPTED this 9th day of September, 2010

Allan J. Steagall

ALLAN J STEAGALL
MAYOR PRO TEMPORE

ATTEST

Sue Daniel

Sue Daniel, City Secretary

Drought Contingency Plan for a Retail Public Water Supplier

Texas Commission on Environmental Quality

Instructions: The following form is a model of a drought contingency plan for a retail public water supplier Not all items may apply to your system's situation. This form is supplied for your convenience, but you are not required to use this form to submit your plan to the TCEQ Submit completed plans to: Water Supply Division MC 160, TCEQ, P O Box 13087, Austin TX 78711-3087

City of Humble
(Name of Utility)

114 West Higgins, Humble, Texas 77338
(Address, City, Zip Code)

(CCN#)

1010004
(PWS#)

April, 2014
(Date)

Section I: Declaration of Policy, Purpose, and Intent

In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the City of Humble hereby adopts the following regulations and restrictions on the delivery and consumption of water through an ordinance/or resolution.

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

Section II: Public Involvement

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

Section III: Public Education
The City of Humble will periodically provide the public with information about the Plan, including information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of direct mailings, published newspaper articles, the City's website, postings and public displays.

Section IV: Coordination with Regional Water Planning Groups
The service area of the City of Humble is located within the Region H and City of Humble has provided a copy of this Plan to the Region H

Section V: Authorization
The City Manager, or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The City Manager or his /her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

Section VI: Application
The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the City of Humble. The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

Section VII: Definitions
For the purposes of this Plan, the following definitions shall apply·

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

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

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

Customer· any person, company, or organization using water supplied by the City of Humble

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

Even number address street addresses, box numbers, or rural postal route numbers ending in 0,

2, 4, 6, or 8 and locations without addresses.

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

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

Non-essential water use· water uses that are neither essential nor required for the protection of public, health, safety, and welfare, including:

(a) irrigation of landscape areas, including parks, athletic fields, and golf courses, except otherwise provided under this Plan,
(b) use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle;
(c) use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas,
(d) use of water to wash down buildings or structures for purposes other than immediate fire protection,
(e) flushing gutters or permitting water to run or accumulate in any gutter or street;
(f) use of water to fill, refill, or add to any indoor or outdoor swimming pools or Jacuzzi-type pools,
(g) use of water in a fountain or pond for aesthetic or scenic purposes except where necessary to support aquatic life;
(h) failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s), and
(i) use of water from hydrants for construction purposes or any other purposes other than fire fighting.

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

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

The City Manager or his/her designee shall monitor water supply and/or demand conditions on a regular basis and shall determine when conditions warrant initiation or termination or termination of each stage of the Plan. Public notification of the initiation or termination of drought response stages shall be by means of publication in a newspaper of general circulation, direct mail to each customer, signs posted in public places, or other method reasonably calculated to notify the public of the plan. The triggering criteria described below are based on the City's anticipated ability to provide water to its customers based on known system capacity limits and the City's historical experience of operations in drought

Stage 1 Triggers -- MILD Water Shortage Conditions

Requirements for initiation
Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain non-essential water uses provided in Section IX of this Plan when.

1 Average Daily Water Usage reaches **70%** of safe distribution capacity for three (3) consecutive days, defined as **5.98 MGD daily usage rate**.
2. Director of Public Works determines that supply or delivery is under stress.

Requirements for termination
Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of _3_ consecutive days.

Stage 2 Triggers -- MODERATE Water Shortage Conditions

Requirements for initiation
Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses provided in Section IX of this Plan when.

1 Average Daily Water Usage reaches **80%** of safe distribution capacity for three (3) consecutive days, defined as **6.83 MGD daily usage rate**.
2. Director of Public Works determines that supply or delivery is under stress

Requirements for termination
Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of _5_ consecutive days. Upon termination of Stage 2, Stage 1 becomes operative

Stage 3 Triggers -- SEVERE Water Shortage Conditions

Requirements for initiation
Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 3 of this Plan when.

1 Average Daily Water Usage reaches **85%** of safe distribution capacity for two (2) consecutive days, defined as **7.26 MGD daily usage rate**.
2. Director of Public Works determines that supply or delivery is under stress.

Requirements for termination
Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of _5_ consecutive days. Upon termination of Stage 3, Stage 2 becomes operative.

Section IX: Drought Response Stages
The City Manager, or his/her designee, shall monitor water supply and/or demand conditions on

a regular basis and, in accordance with the triggering criteria set forth in Section VIII of the Plan, shall determine that a mild, moderate, severe, or emergency condition exists and shall implement the following the following notification procedures.

Notification

Notification of the Public

The City Manager or his/ her designee shall notify the public by means of·

publication in a newspaper of general circulation,
public service announcements,
signs posted in public places,
announcements on the City's website http //www cityofhumble.org/

Additional Notification.

The City Manager or his/ her designee shall notify directly, or cause to be notified directly, the following individuals and entities

Mayor and Members of the City Council
Fire Chief
TCEQ (required when mandatory restriction are imposed)
Parks / street superintendents & public facilities managers

Stage 1 Responses -- MILD Water Shortage Conditions

Target: Achieve a voluntary 5% percent reduction in daily water demand.

(a) Water customers are requested to voluntarily limit the irrigation of landscaped areas to even-numbered days for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and odd-numbered days for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and to irrigate landscapes only between the hours of 12 00 a.m. to 6·00 a.m. and 9·00 p.m. to 12·00 a.m. on designated watering days.

(b) All operations of the City of Humble shall adhere to water use restrictions prescribed for Stage 2 of the Plan.

(c) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

Stage 2 Responses -- MODERATE Water Shortage Conditions

Target: Achieve a 15 percent reduction in daily water demand.

Mandatory Water Use Restrictions for Demand Reduction.

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

(a) Irrigation of landscaped areas with hose-end sprinklers or automatic irrigation systems shall be limited to Sundays and Thursdays for customers with a street address ending in an even number (0, 2, 4, 6 or 8), and Saturdays and Wednesdays for water customers with a street address ending in an odd number (1, 3, 5, 7 or 9), and irrigation of landscaped areas is further limited to the hours of 12·00 midnight until 6:00 a.m. and between 9:00 p.m. and 12·00 midnight on designated watering days. However, irrigation of landscaped areas is permitted at anytime if it is by means of a hand-held hose, a faucet filled bucket or watering can of five (5) gallons or less, or drip irrigation system.

(b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is prohibited except on designated watering days between the hours of 12 00 midnight and 10·00 a.m. and between 8·00 p.m. and 12·00 midnight. Such washing, when allowed, shall be done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rises. Vehicle washing may be done at any time on the immediate premises of a commercial car wash or commercial service station. Further, such washing may be exempted from these regulations if the health, safety, and welfare of the public is contingent upon frequent vehicle cleansing, such as garbage trucks and vehicles used to transport food and perishables.

(c) Use of water to fill, refill, or add to any indoor or outdoor swimming pools, wading pools, or Jacuzzi-type pools is prohibited except on designated watering days between the hours of 12 00 midnight and 6·00 a.m. and between 8 00 p.m. and 12·00 midnight.

(d) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life or where such fountains or ponds are equipped with a recirculation system.

(e) Use of water from hydrants shall be limited to fire fighting, related activities, or other activities necessary to maintain public health, safety, and welfare, except that use of water from designated fire hydrants for construction purposes may be allowed under special permit from the City of Humble.

(f) The following uses of water are defined as non-essential and are prohibited.

1 wash down of any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;
2 use of water to wash down buildings or structures for purposes other than immediate fire protection,
3 use of water for dust control,
4. flushing gutters or permitting water to run or accumulate in any gutter or

street; and

5 failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s)

Stage 3 Responses -- SEVERE Water Shortage Conditions

Target: Achieve a 20 percent reduction in daily water demand.

Water Use Restrictions for Demand Reduction.
All requirements of Stage 2 shall remain in effect during Stage 3 except

(a) Irrigation of landscaped areas shall be limited to designated watering days between the hours of 12·00 midnight and 6 00 a.m. and between 9·00 p.m. and 12:00 midnight and shall be by means of hand-held hoses, hand-held buckets, drip irrigation, or permanently installed automatic sprinkler system only The use of hose-end sprinklers is prohibited at all times.

(b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle not occurring on the premises of a commercial car wash and commercial service stations and not in the immediate interest of public health, safety, and welfare is prohibited.

Section X: Emergency Contingency Plan

In the event of a fire, flood, hurricane, lightning strike, tornado, windstorm, or any other act of God, terrorist act, or any other act of civil disobedience, or any other similar occurrence which results in the inability of the City to provide adequate potable water to Customers (or the likelihood thereof), the City Manager, at his/ her discretion may, without prior notice, invoke any or all of the Drought Response Measures set forth in this Plan as "Emergency Response Measures." The City Manager may establish any of the penalties set forth in Section XI for violations of the Emergency Response Measures.

Section XI: Enforcement

(a) No person shall knowingly or intentionally allow the use of water from the City of Humble for residential, commercial, industrial, agricultural, governmental, or any other purpose in a manner contrary to any provision of this Plan, or in an amount in excess of that permitted by the drought response stage in effect at the time pursuant to action taken by City Manager, or his/her designee, in accordance with provisions of this Plan.

(b) The following penalties shall apply to anyone violating the terms of this Plan or the Drought Response Measures or Emergency Response Measures adopted pursuant hereto·

(1) First Violation. Any person or entity who violates this Plan shall receive written notification of such violation, which notice shall set forth (i) the date of the violation, (ii) the nature of the violation, (iii) the Drought Response Measures then in effect, (iv) the

penalties applicable for any further violations of this Plan; provided, however, that if such person or entity has ever previously violated this Plan, the penalties set forth in Section 2 below, may, in the discretion of the City Manager, be imposed.

(2) Subsequent Violations. Any person who violates this Plan is guilty of a misdemeanor and, upon conviction shall be punished by a fine not more than five hundred dollars ($500 00). Each day that one or more of the provisions in this Plan is violated shall constitute a separate offense. If a person is convicted of three or more distinct violations of this Plan, the City Manager shall, upon due notice to the customer, be authorized to discontinue water service to the premises where such violations occur Services discontinued under such circumstances shall be restored only upon payment of a re-connection charge, and any other costs incurred by the City of Humble in discontinuing service. In addition, suitable assurance must be given to the City Manager that the same action shall not be repeated while the Plan is in effect. Compliance with this plan may also be sought through injunctive relief in the district court.

(c) Any person, including a person classified as a water customer of the City of Humble, in apparent control of the property where a violation occurs or originates shall be presumed to be the violator, and proof that the violation occurred on the person's property shall constitute a rebuttable presumption that the person in apparent control of the property committed the violation, but any such person shall have the right to show that he/she did not commit the violation. Parents shall be presumed to be responsible for violations of their minor children and proof that a violation, committed by a child, occurred on property within the parents' control shall constitute a rebuttable presumption that the parent committed the violation, but any such parent may be excused if he/she proves that he/she had previously directed the child not to use the water as it was used in violation of this Plan and that the parent could not have reasonably known of the violation.

(d) Any employee of the City of Humble, police officer, or other employee designated by the City Manager, may issue a citation to a person he/she reasonably believes to be in violation of this Ordinance. The citation shall be prepared in duplicate and shall contain the name and address of the alleged violator, if known, the offense charged, and shall direct him/her to appear in the municipal court on the date shown on the citation. The alleged violator shall be served a copy of the citation. Service of the citation shall be complete upon delivery of the citation to the alleged violator, to an agent or employee of a violator, or to a person over 18 years of age who is a member of the violator's immediate family or is a resident of the violator's residence. The alleged violator shall appear in municipal court to enter a plea of guilty or not guilty for the violation of this Plan. If the alleged violator fails to appear in municipal court, a warrant for his/her arrest may be issued. A summons to appear may be issued in lieu of an arrest warrant. These cases shall be expedited and given preferential setting in municipal court before all other cases.

Section XI: Variances

The City Manager, or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

(a) Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.
(b) Alternative methods can be implemented which will achieve the same level of reduction in water use.

Persons requesting an exemption from the provisions of this Ordinance shall file a petition for variance with the City of Humble within 5 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the City Manager or his/her designee, and shall include the following:

(a) Name and address of the petitioner(s)
(b) Purpose of water use.
(c) Specific provision(s) of the Plan from which the petitioner is requesting relief.
(d) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Ordinance.
(e) Description of the relief requested.
(f) Period of time for which the variance is sought.
(g) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.
(h) Other pertinent information.