



COUNCIL MONTHLY REPORT

DEPARTMENT: PUBLIC WORKS

MONTH: OCTOBER 2016

PUBLIC WORKS

During October, Public Works staff responded to 147 requests for service submitted through the City's E-Gov software. Of those requests for service 24% were generated from outside City Hall.

Public Works staff ran the street sweeper four times in October. The table below records the debris recovered, diesel used, hours swept, and the volume of water used.

Date Swept	Diesel Used (gallons)	Hours Swept	Collected Amount (cubic yards)	Water Used (gallons)
10/6/2016	13	5	8	150
10/13/2016	11	4	8	150
10/20/2016	12	4	8	150
10/27/2016	11	3	8	150
OCTOBER	47	16	32	600

In October, there were four cuts of the irrigated areas (those areas of the City with sprinkler systems), three cuts of the non-irrigated areas and one cut to the I-45 Feeder. Once a week BrightView's staff checks these areas and picks up any debris. Cuts were also made to the City's detention ponds.

On October 15th, the City hosted its fall Trash Bash Event. Residents made 125 trips through the event. At the City's Trash Bash event, items collected were trash, recyclables, and household hazardous waste. The table below summarizes the items collected. The next Trash Bash will be held in March 2017.

Item	Quantity	Unit	Disposal Method
Liquid Household Hazardous Waste	80	Gallons	Montgomery County Precinct 3
Other Household Hazardous Waste	33	Items	Montgomery County Precinct 3
Electronic items	36	Items	Montgomery County Precinct 3
Trash	2.5	Dumpsters	Republic Waste
Recyclables	2	Trailers	Recycling Vendor

Environmental impact for this event	Quantity	Unit	One ton of recycled paper
Shredding	4.8	Tons	
Trees	81.6	Tons	Saves 17 trees
Energy	19,680	Kwh	Saves 4100 kilowatt hours of energy
Water	33,600	Tons	Saves 7000 gallons of water
Landfill space	15.84	Cubic Yards	Saves 3.30 cubic yards
Air Pollution	288	Pounds	Saves 60 lbs of air pollutants when compared to making virgin wood pulp

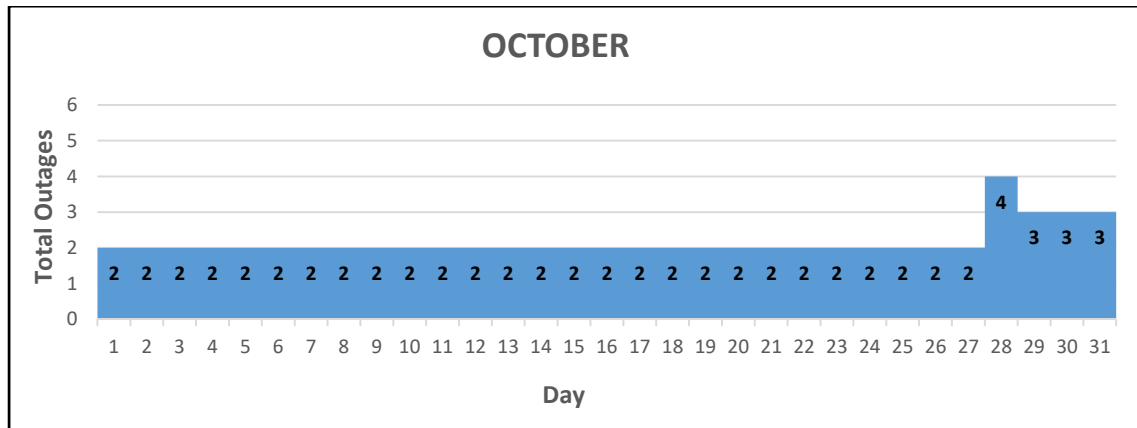
Public Works staff performs two checks of the City Parks during the weekdays and once on Saturday and Sunday. During the morning and afternoon checks, trash cans are emptied if needed, bathrooms are checked for cleanliness, and a general inspection is performed.

Solar streetlights were monitored during the month for outages, battery replacements, maintenance issues, and testing. The batteries recovered are those that showed a failure upon first testing when removed from the solar light, but staff was able to perform a 16V boost and recover some of the lost capacity.

SOLAR STREETLIGHT DATA

Item Monitored	Quantity
Average number of lights out per day	2.2
Number of lights with battery change outs	3
Number of batteries tested	0
Number of battery replaced (failures)	0
Number of batteries recovered	0
Number of controllers replaced	0
Number of fixtures replaced	0
Number of solar panels replaced	0
Number of drivers replaced	0
Number of wiring issues	0

Light outages are recorded when either the light does not come on during the night or the light goes out sometime during the night. The chart below shows the number of street light outages per day for the month. This represents the total number of lights out each day and does not identify specifically which lights are out.



PUBLIC WORKS, PARKS, POOL AP REPORT

Fund: 100 - 30 - Public Works			Payment Dates 10/01/2016 - 10/31/2016	
Vendor Name	Payment Date	Payment Number	Description (Item)	Amount
THE BRICKMAN GROUP LTD, LLC	10/03/2016	3870	CITY LANDSCAPING & IRRIGATION-SEPT 2016	14,549.25
BATTERIES PLUS	10/03/2016	3837	HANDHELD RADIO BATTERIES-SEPT 2016	274.75
TOTAL AIR SERVICE	10/03/2016	3871	HVAC - AVA REPAIR - ADMIN AREA-SEPT 2016	159.00
BUCKEYE CLEANING CENTER	10/03/2016	3840	MUTLI-FOLD PAPER TOWELS-SEPT 2016	48.00
LANSDOWNE-MOODY CO., INC.	10/03/2016	3859	CHAINSAW REPAIR-SEPT 2016	123.52
O'REILLY AUTO PARTS	10/12/2016	3904	BELTS FOR HVAC - EXTRAS	63.70
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	BLACKTOP PATCH	67.25
DANIEL OFFICE PRODUCTS	10/12/2016	3886	CREDIT FOR RETURNED ITEM	(68.54)
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	3/4" ELECTRICAL CONDUIT	25.83
CITY OF CONROE FLEET	10/12/2016	3882	10-05 STATE INSPECTION DUE-SEPT 2016	25.50
CITY OF CONROE FLEET	10/12/2016	3882	10-07 NEW TIRE - SIDEWALL PUNCTURE-SEPT 2016	133.20
LIBERTY FIRE PROTECTION, INC	10/12/2016	3900	CITY HALL FIRE ALARM MONITORING-OCT-DEC 2016	105.00
LIBERTY FIRE PROTECTION, INC	10/12/2016	3900	PW BLDG FIRE ALARM MONITORING-OCT-DEC 2016	105.00
ABC HOME/COMM. SRVCS OF HOU.	10/12/2016	3874	MONTHLY PEST CONTROL-SEPT 2016	195.00
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	CITY HALL IRRIGATION REPAIRS-SEPT 2016	290.80
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	CITY PARK IRRIGATION REPAIRS-SEPT 2016	194.13
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	CITY POOL IRRIGATION REPAIRS-SEPT 2016	366.48
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	DULCIMER WOODS IRRIGATION REPAIRS-SEPT 2016	87.95
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	EMORY BEND IRRIGATION REPAIRS-SEPT 2016	240.10
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	FIRE STATIONS IRRIGATION REPAIRS-SEPT 2016	670.60
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	HOLLY HILL ENTR. IRRIGATION REPAIRS-SEPT 2016	88.20
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	CITY PARK IRRIGATION REPAIRS-SEPT 2016	53.20
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	SHENANDOAH DR IRRIGATION REPAIRS-SEPT 2016	54.13
BRIGHTVIEW LANDSCAPES, LLC	10/12/2016	3878	WELLMAN RD IRRIGATION REPAIRS-SEPT 2016	253.50
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	FLAGS SUPPLIES	100.00
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	3/4" ELECTRICAL METALLIC TUBE COUPLING	46.28
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	STREET REPAIR-BLACKTOP PATCH	143.77
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	PUBLIC WORKS SUPPLIES	13.35
GRAINGER, INC.	10/12/2016	3890	LED LAMP, 250W HPS/MH 60W-SEPT 2016	709.38
VERIZON WIRELESS	10/12/2016	3919	CELLULAR USAGE - MCOOLEY	50.28
VERIZON WIRELESS	10/12/2016	3919	PW MIFI CARD	39.99
VERIZON WIRELESS	10/12/2016	3919	CELLUAR USAGE - FIELD REPS	150.84
AT & T CORP.	10/12/2016	3876	ALARM LINES @ PW BLDG - 9.23-10.22.2016	36.26
CENTERPOINT ENERGY	10/12/2016	3880	PW BLDG-NATURAL GAS SERVICE-8.30-9.30.16	21.62
SOLID BRIDGE CONSTRUCTION, LLC	10/19/2016	3943	HEAD WALL REPAIR-SEPT 2016	4,432.08
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	TCEQ WATER QUALITY/STRMWATER REG FEES	150.00
SKELTON BUSINESS EQUIPMENT	10/19/2016	3942	PW COPIER MAINTENANCE SERVICE-SEPT 2016	218.77
HOUSTON COMMUNITY NEWSPAPERS	10/19/2016	3935	LEGAL NOTICE-PARK REFORESTATION PROJECT	192.00
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	KNOX BOX FOR CVB	346.00
VALERO MARKETING AND SUPPLY CO.	10/19/2016	3947	2015-2016 FUEL FOR PW VEHICLES	31.40
BIRCH COMMUNICATIONS, INC	10/26/2016	3953	OCT 2016 FIRE ALARM LINE @ CITY HALL	88.62
FLEETTRAX, INC.	10/26/2016	3964	PW-GPS AIRTIME-SEPT 2016	139.75
TOTAL AIR SERVICE	10/26/2016	3981	NORTH CHILLER ALARM-OCT 10, 2016	282.00
ENTERGY	10/26/2016	3962	SEPT 2016 INVOICE INCREASE-PNR	1,828.31
ENTERGY	10/26/2016	3962	SEPT 2016 ELECTRIC USAGE-PW	5,485.45
			Fund: 100 - 30 - Public Works Total:	32,611.70

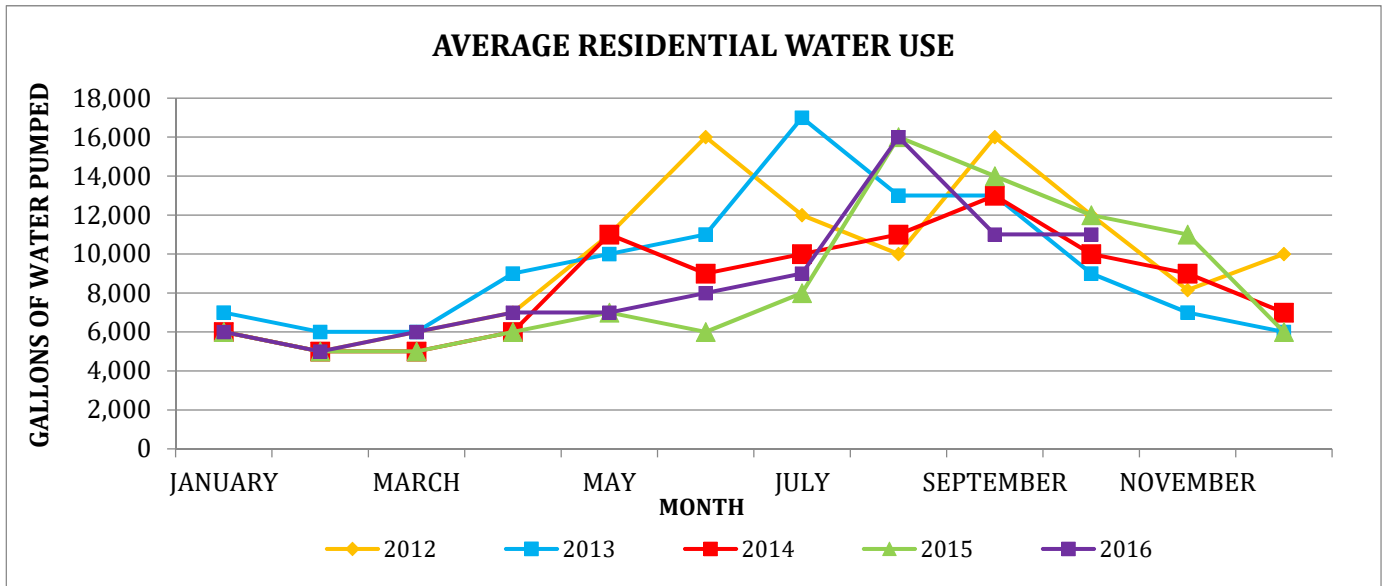
Fund: 100 - 31 - Swimming Pool			Payment Dates 10/01/2016 - 10/31/2016	
Vendor Name	Payment Date	Payment Number	Description (Item)	Amount
LIBERTY FIRE PROTECTION, INC	10/12/2016	3900	POOL HOUSE FIRE ALARM MONIT.-OCT-DEC 2016	105.00
VERIZON WIRELESS	10/12/2016	3919	CELLULAR USAGE - JHOUSTON	50.28
CENTERPOINT ENERGY	10/12/2016	3880	POOL-MINIMUM USAGE-NATURAL GAS-8.30-9.30.16	18.94
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	AQUATICS BAR FLOAT	35.12
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	WATER BARBELLS	183.04
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	WATER JOG BELTS	216.96
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	DINING CHAIRS	432.00
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	11 FT UMBRELLA	774.95
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	42" ROUND DINING TABLE	199.90
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	DELIVERY AND SET UP	115.00
BRANCH BANKING AND TRUST CO.	10/19/2016	3926	BAG OF GRAVEL	25.00
AT & T CORP.	10/19/2016	3924	OCT 2016 LAND & INTERNET LINE SERVICE	147.13
TOTAL AIR SERVICE	10/26/2016	3981	POOL AC REPAIR-OCT 2016	3,360.00
ENERGY	10/26/2016	3962	SEPT 2016 ELECTRIC USAGE FOR POOL	645.09
Fund: 100 - 31 - Swimming Pool Total:				6,308.41

Fund: 100 - 32 - Parks			Payment Dates 10/01/2016 - 10/31/2016	
Vendor Name	Payment Date	Payment Number	Description (Item)	Amount
BUCKEYE CLEANING CENTER	10/03/2016	3840	MULTI-FOLD PAPER TOWELS-SEPT 2016	48.00
ENERGY	10/03/2016	3849	801 MAPLEWOOD-8.15-9.15.2016	221.45
ENERGY	10/03/2016	3849	UTILITIES @ TODDLER PARK-8.15-9.15.16	12.79
LIBERTY FIRE PROTECTION, INC	10/12/2016	3900	PARK BLDG FIRE ALARM MONITORING-OCT-DEC 2016	105.00
AT & T CORP.	10/12/2016	3876	U-VERSE SERVICE @ PARK-9.27-10.26.16	50.64
SIGNS NOW #440	10/12/2016	3907	NO ORGANIZED TEAM SPORT SIGNS-SEPT 2016	36.60
Fund: 100 - 32 - Parks Total:				474.48

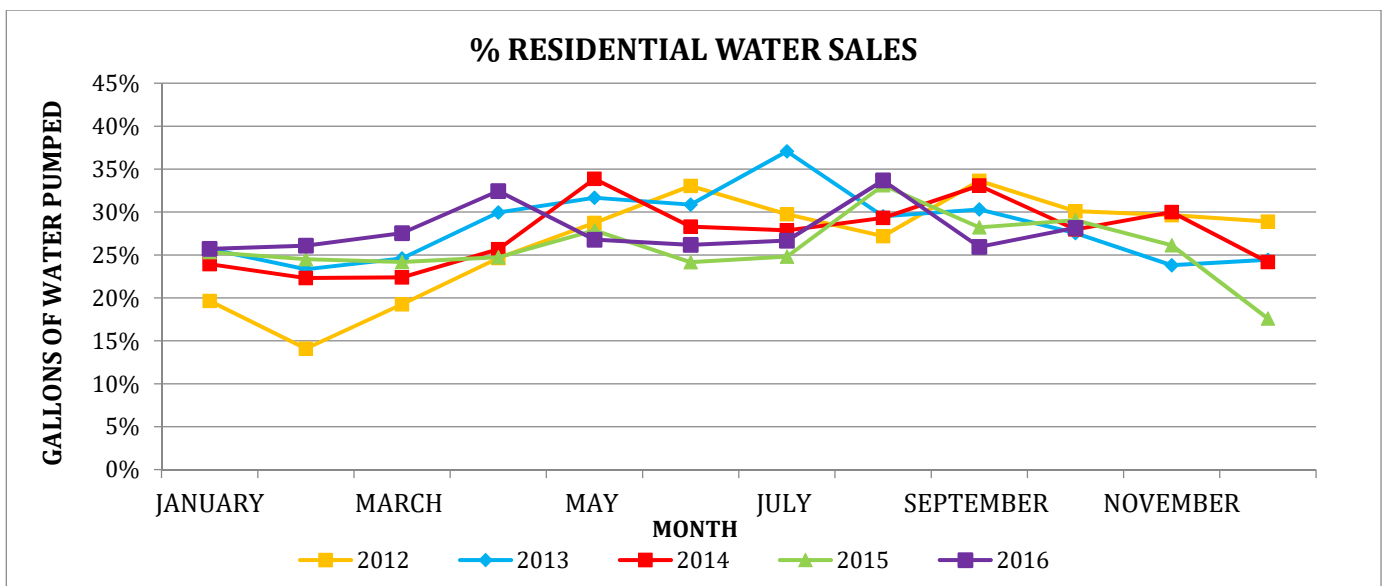
WATER & SEWER

Water and sewer data is reported on monthly reports as calendar months except for the average residential water use and the water loss data which are reported for the billing month as these data points are based on use data which is only available on a billing month cycle. Data reported with the utility billing report is reported as a billing month.

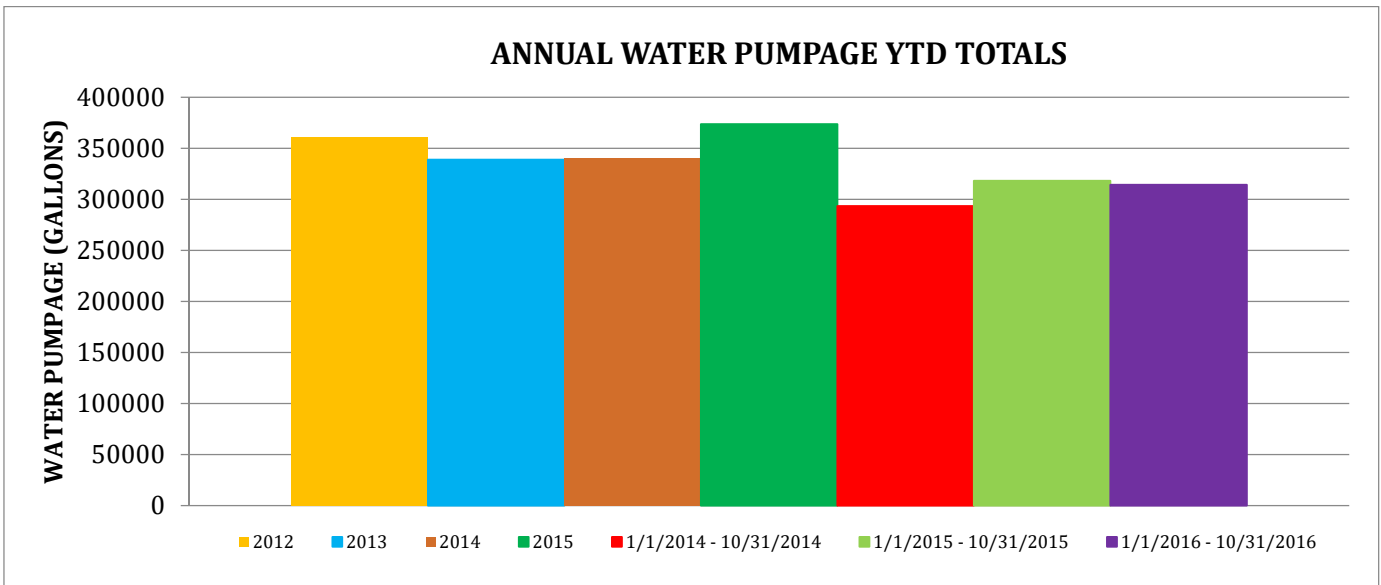
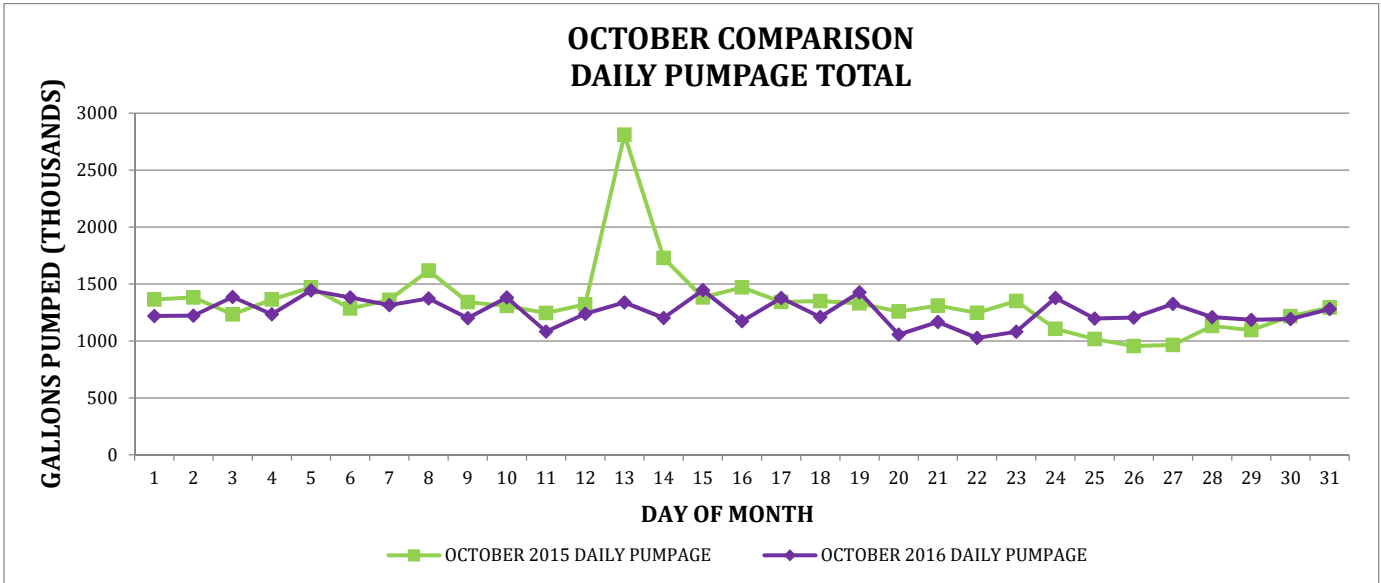
Groundwater production for the calendar month of October was approximately 38.95 million gallons with an average daily use of 1,256,000 gallons. The average residential water use for the billing month was 11,000 g gallons. The next chart shows the average residential water use for each month compared to previous months.



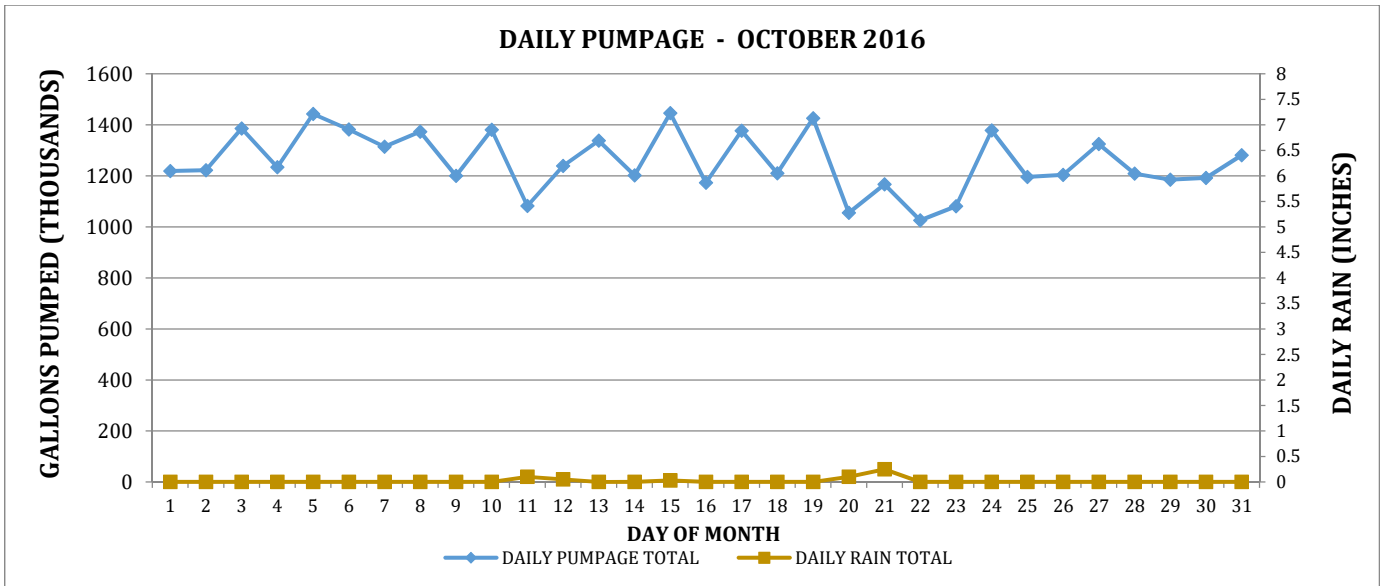
The chart below shows how much residential water sales have accounted for. In October 2015 residential water sales accounted for 29.05 % of all water sales compared to 28.15 % for the current month.



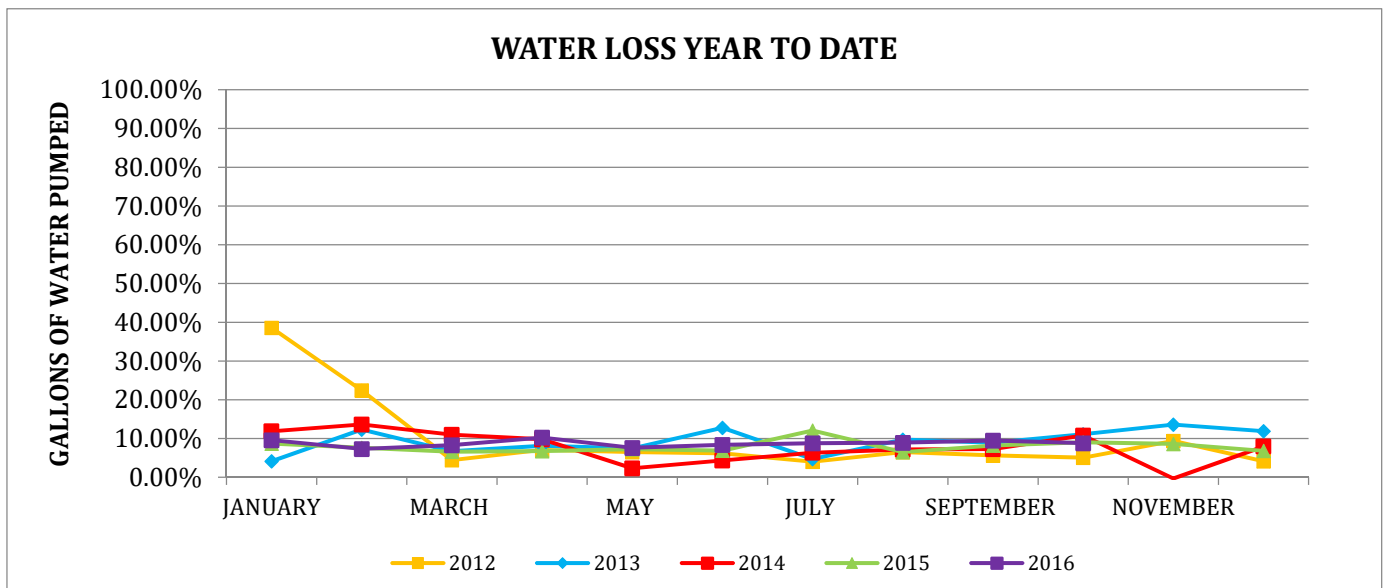
The next two charts show the daily pumpage data compared to previous years. Through October the City has pumped 314.3 million gallons of water this year. Last year during the same period the City pumped 373.7 million gallons.



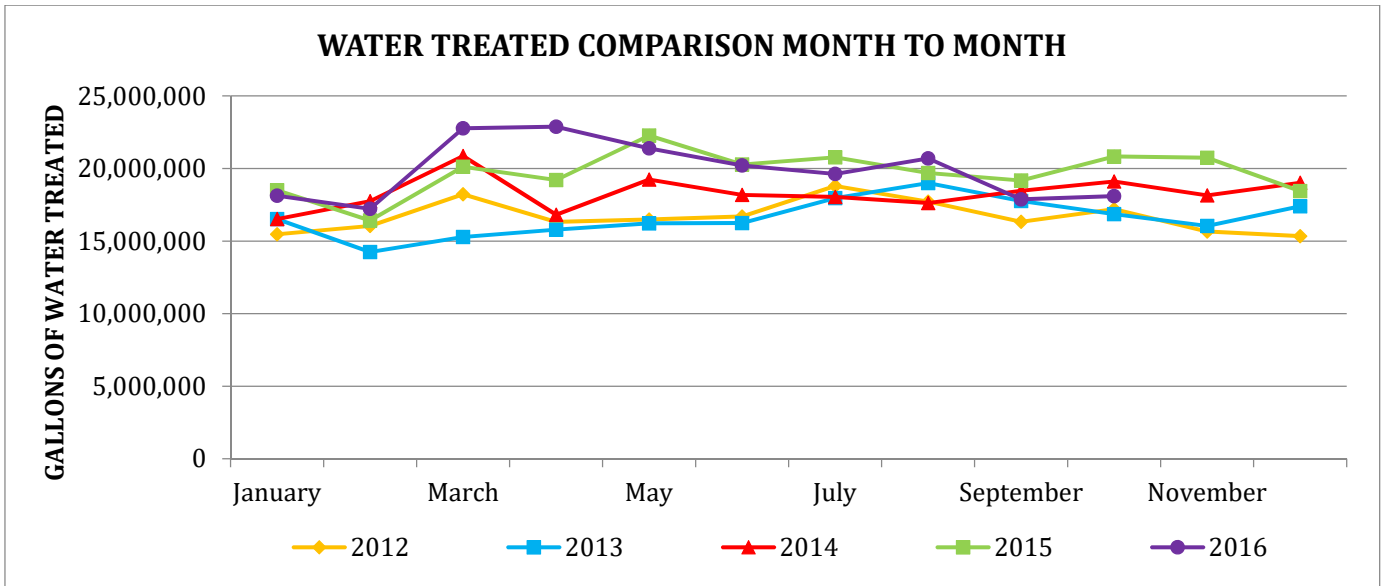
The next chart shows the daily pumpage compared with rain.



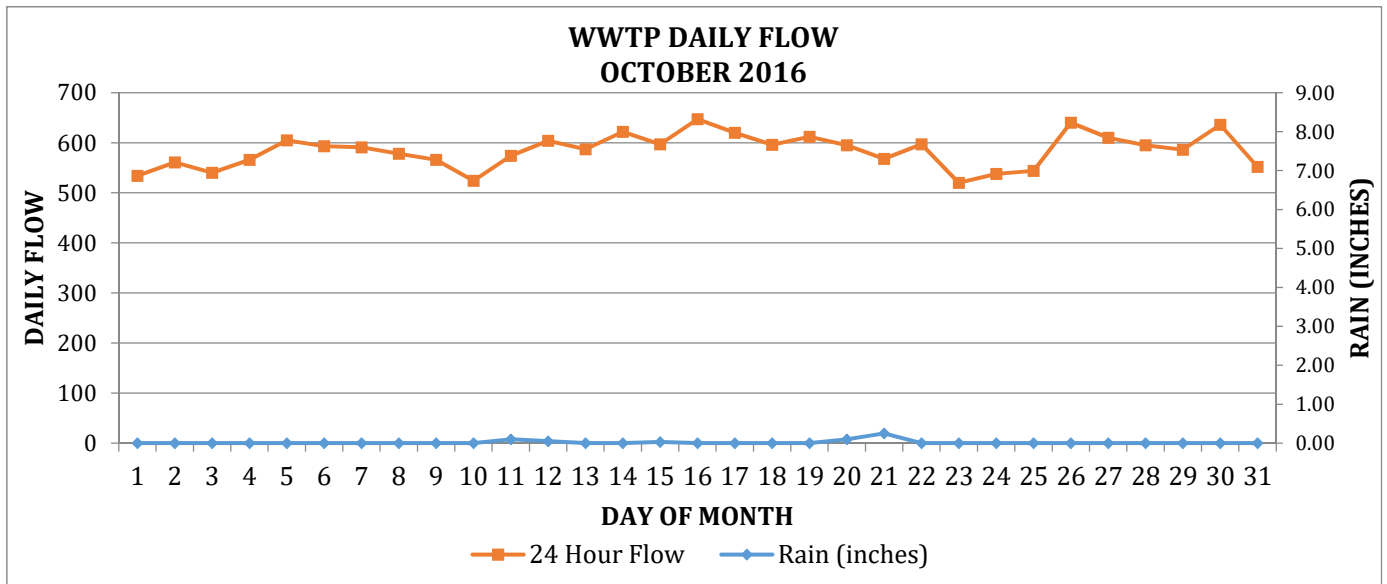
The water loss for the month of October was 8.81%. The chart below compares the loss rate to previous years.



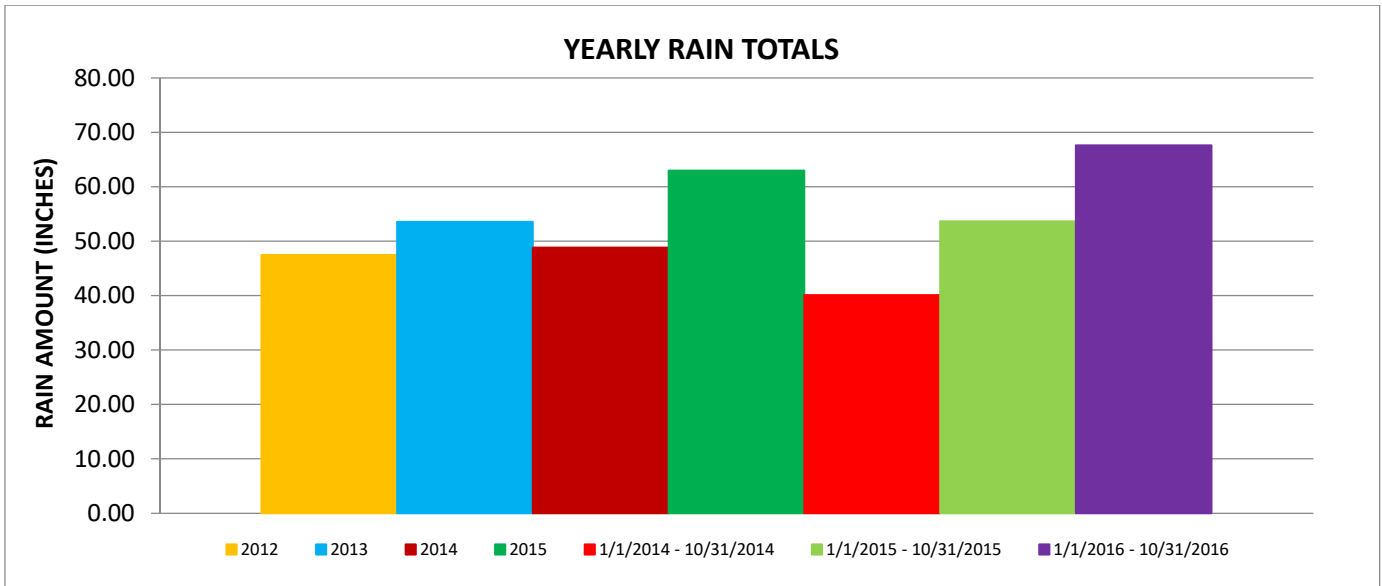
The next chart compares flow data at the wastewater treatment plant to previous years.



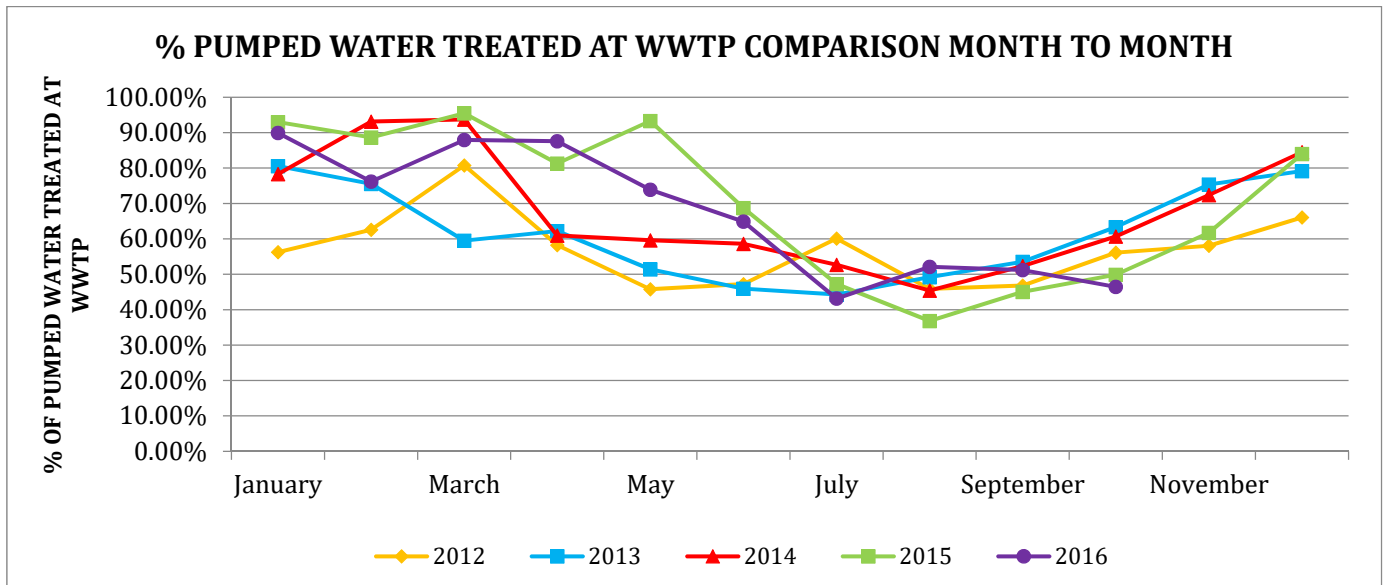
The City's wastewater treatment plant flowed 18.1 million gallons this month for an average of 583,806 gallons per day. Through the year, the City has treated 198.9 million gallons. The chart below shows the daily flow at the treatment plant and daily.



Through October 31st the City has registered 67.6 inches of rain at the treatment plant compared to 63.0 and 40.08 inches in previous years. The next chart summarizes rainfall from previous years.



The City “recovered” over 46.46 % of the water pumped at the treatment plant. The chart below compares the monthly percent recovery to previous years.



On June 22nd TCEQ performed an inspection of the City’s water system. Our water system was reviewed by TCEQ and rated to be a Superior water system.

On October 12th at 2:00pm L & B Underground performing work for Crown Castle hit and punctured an 8” water line at the intersection of Research Forest Drive and Pineroft Drive. Repairs took three hours to complete and three customers were without water during repairs.

On October 14th at 5:00pm L & B Underground performing work for Crown Castle hit and punctured an 8” water line at IH-45 in front of Days Inn. The line the damaged was the cross connection that runs underneath IH-45. Staff was able to isolate the leak by 3:00am leaving no customers without water. The damaged line was

located underneath a TxDOT storm line. Coordination with the State is underway so that repairs can be made to the line.

Water & Sewer AP REPORT

Fund: 600 - WATER / SEWER		Payment Dates 10/01/2016 - 10/31/2016		
Vendor Name	Payment Date	Payment Number	Description (Item)	Amount
DXI INDUSTRIES, INC.	10/03/2016	3847	CHEMICALS FOR WWTP-9.19.2016	746.60
CSA TECHNICAL LLC	10/03/2016	3843	RESEARCH FOREST-BI-QUARTERLY INSP-SEPT 2016	675.00
CSA TECHNICAL LLC	10/03/2016	3843	DAVID MEMORIAL-BI-QUARTERLY INSP-SEPT 2016	675.00
CSA TECHNICAL LLC	10/03/2016	3843	PINECROFT-BI-QUARTERLY INSP-SEPT 2016	675.00
CSA TECHNICAL LLC	10/03/2016	3843	PARKGATE-BI-QUARTERLY INSP-SEPT 2016	300.00
CSA TECHNICAL LLC	10/03/2016	3843	NTB-BI-QUARTERLY INSP-SEPT 2016	300.00
CSA TECHNICAL LLC	10/03/2016	3843	ED ENGLISH-BI-QUARTERLY INSP-SEPT 2016	300.00
CSA TECHNICAL LLC	10/03/2016	3843	THORNWOOD-BI-QUARTERLY INSP-SEPT 2016	300.00
CSA TECHNICAL LLC	10/03/2016	3843	NEW BLOWER MOTOR-INSTALLED-WWTP-SEPT 2016	6,565.36
CSA TECHNICAL LLC	10/03/2016	3843	MITSUBISHI VFD PART/INSTALL FOR THORNWOOD LS	3,832.75
MONTGOMERY COUNTY RADIO SHOP	10/12/2016	3902	RC SYSTEM ACCESS FEE-10.1.2016-9.30.2017	450.00
CITY OF CONROE FLEET	10/12/2016	3882	12-03-R & P MAINTENANCE-SEPT 2016	168.97
ALFA LAVAL INC.	10/12/2016	3875	BELT PRESS R/P MAINT-REMOVE & INSTALL BELT	1,350.00
HOME DEPOT CREDIT SERVICES	10/12/2016	3892	WATER LEAK REPAIR	80.28
THE WOODLANDS JOINT POWERS AGENCY	10/12/2016	3914	GUADALAJARA SPRINKLER USAGE-8.19-9.22.16	731.82
THE WOODLANDS JOINT POWERS AGENCY	10/12/2016	3914	GUADALAJARA WATER-SEWER USAGE-8.19-9.22.2016	2,442.70
VERIZON WIRELESS	10/12/2016	3919	CELLULAR USAGE - OPERATORS	26.22
VERIZON WIRELESS	10/12/2016	3919	CELLULAR USAGE - JPEART	90.31
VERIZON WIRELESS	10/12/2016	3919	WS MIFI CARD	0.01
VERIZON WIRELESS	10/12/2016	3919	CELLUAR USAGE - FIELD SERVICE REPS	150.84
VERIZON WIRELESS	10/12/2016	3919	SCADA SIM CARDS	80.00
CENTERPOINT ENERGY	10/12/2016	3880	RESEARCH FOREST L/S-NATURAL GAS-8.30-9.30.16	21.33
CENTERPOINT ENERGY	10/12/2016	3880	PINECROFT L/S-NATURAL GAS-8.30-9.29.16	21.33
CENTERPOINT ENERGY	10/12/2016	3880	THORNWOODT L/S-NATURAL GAS-8.30-9.30-16	20.31
CENTERPOINT ENERGY	10/12/2016	3880	DAVID MEMORIAL L/S-NATURAL GAS-8.25-9.26.16	20.66
CENTERPOINT ENERGY	10/12/2016	3880	PARKGATE L/S-NATURAL GAS-8.30-9.30.16	19.97
DXI INDUSTRIES, INC.	10/12/2016	3888	CHEMICALS CONTAINER REANTALS FOR WWTP & WP'S-SEPT	367.50
FERGUSON WATERWORKS	10/19/2016	3933	3/4" MTR 442 LLB SG BB 5FT WIRE WATER METERS	2,310.00
AT & T CORP.	10/19/2016	3924	OCT 2016 LANDLINE SERVICE @ PARKGATE	33.26
AT & T CORP.	10/19/2016	3924	OCT 2016 LANDLINE SERVICE @ THORNWOOD	88.22
COMCAST	10/19/2016	3930	ALARM MONITORING-LS-10/1 - 10/31/2016	245.91
VALERO MARKETING AND SUPPLY CO.	10/19/2016	3947	2015-2016 UNLEADED FUEL FOR WS VEHICLES	454.72
VALERO MARKETING AND SUPPLY CO.	10/19/2016	3947	2015-2016 DIESEL FUEL FOR WS VECHICLES	79.49
ENVIRONMENTAL IMPROVEMENTS, INC.	10/26/2016	3963	BELT PRESS CONVEYOR REBUILD-SEPT 2016	10,118.99
DXI INDUSTRIES, INC.	10/26/2016	3960	CHEMICALS FOR WWTP-10.3.2016	897.40
DXI INDUSTRIES, INC.	10/26/2016	3960	CHEMICALS FOR WWTP-10.6.2016	746.60
DXI INDUSTRIES, INC.	10/26/2016	3960	CHEMICALS FOR WP #2-10.7.2016	353.30
DXI INDUSTRIES, INC.	10/26/2016	3960	CHEMICALS FOR WP #3-10.7.2016	471.06
MCGINNIS LOCHRIDGE AND KILGORE LLP	10/26/2016	3970	WATER RIGHTS ISSUES-AUG 31, 2016	1,072.00
MCGINNIS LOCHRIDGE AND KILGORE LLP	10/26/2016	3970	AUGUST INVOICE ADJUSTMENT-WATER RIGHTS ISSUES	4,509.03
MCGINNIS LOCHRIDGE AND KILGORE LLP	10/26/2016	3970	GRDWATER REDUCTION-LEG MATTERS-AUG 31, 2016	152.00
MCGINNIS LOCHRIDGE AND KILGORE LLP	10/26/2016	3970	AUGUST 2016 LEGISLATIVE MATTERS INVOICE	1,848.00
SPRINT WASTE SERVICES	10/26/2016	3977	SEPT 2016 REMAINING SLUDGE HAULS	3,270.00

SPRINT WASTE SERVICES	10/26/2016	3977	SEPT 2016 SLUDGE HAULS	415.00
FLEETRAX, INC.	10/26/2016	3964	WS-GPS AIRTIME-SEPT 2016	111.80
BLEYL AND ASSOCIATES	10/26/2016	3954	SEPT 2016 WWTP TCEQ PROGRESS REPORT	315.00
LESLIES POOL MART	10/26/2016	3967	STND 18" WIRE BRUSH-10.17.2016	61.18
LESLIES POOL MART	10/26/2016	3967	100 LB POWER POWDER GRAN.-10.17.2016	553.47
LESLIES POOL MART	10/26/2016	3967	ALU POLE 4-8' STD GRIP POLE-10.17.2016	44.98
AKZO NOBEL PAINTS LLC	10/26/2016	3952	2 1/2" ANGLED OIL BASED BRUSHES-SEPT 2016	7.40
AKZO NOBEL PAINTS LLC	10/26/2016	3952	PAINT THINNER-SEPT 2016	22.32
AKZO NOBEL PAINTS LLC	10/26/2016	3952	3" ANGLED OIL BASE BRUSHES-SEPT 2016	19.27
EASTEX ENVIRONMENTAL LAB INC	10/26/2016	3961	FINAL INVOICING ADJUSTMENT FOR SEPT 2016	927.00
EASTEX ENVIRONMENTAL LAB INC	10/26/2016	3961	MONTHLY TESTING FEES - SEPT 2016	2,000.00
CONSOLIDATED COMMUNICATIONS	10/26/2016	3958	WWTP PHONE & INTERNET SERV-10.11-11.10.16	100.86
DSHS CENTRAL LAB MC2004	10/26/2016	3959	TCEQ WATER TESTING-SEPT 2016	320.32
ENTERGY	10/26/2016	3962	AUG & SEPT ELECTRIC USAGE-WS	12,957.22
			Function 50 - Water & Sewer Total:	64,917.76

SUBMITTED BY: Joseph Peart

