



COUNCIL MONTHLY REPORT

DEPARTMENT: PUBLIC WORKS

MONTH: MARCH 2016

PUBLIC WORKS

During March, Public Works staff responded to 123 requests for service submitted through the City's E-Gov software. Of those requests for service 20% were generated from outside City Hall.

Public Works staff ran the street sweeper four times in March. 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)
3/3/2016	14	4	4	150
3/10/2016	Rain Out			
3/18/2016		1	4	100
3/23/2016	14	4	6	300
3/31/2016	11	3	4	150
MARCH	39	12	18	700

In March, there were three cuts of the irrigated areas (those areas of the City with sprinkler systems), two cuts of the non-irrigated areas and one cut to the I-45 Feeder. Once a week Brickman's staff checks these areas and picks up any debris.

During the month of March the city hosted three of its annual events. On March 5th, the city celebrated Arbor Day. With 98 of the city's residents taking advantage of the plant exchange between neighbors and the Button Bush, Eastern Redbud and Wild Pear samplings donated by the Texas A&M Forest Service.

On March 12st, the city hosted Trash Bash. Residents made 119 trips through Trash Bash. At Trash Bash the city collected trash, recyclables, shredding, and household hazardous waste. The table below summarizes the items collected.

On March 19th the city hosted the Easter Egg Hunt in conjunction with the grand reopening of the park. The event was well attended and successful.

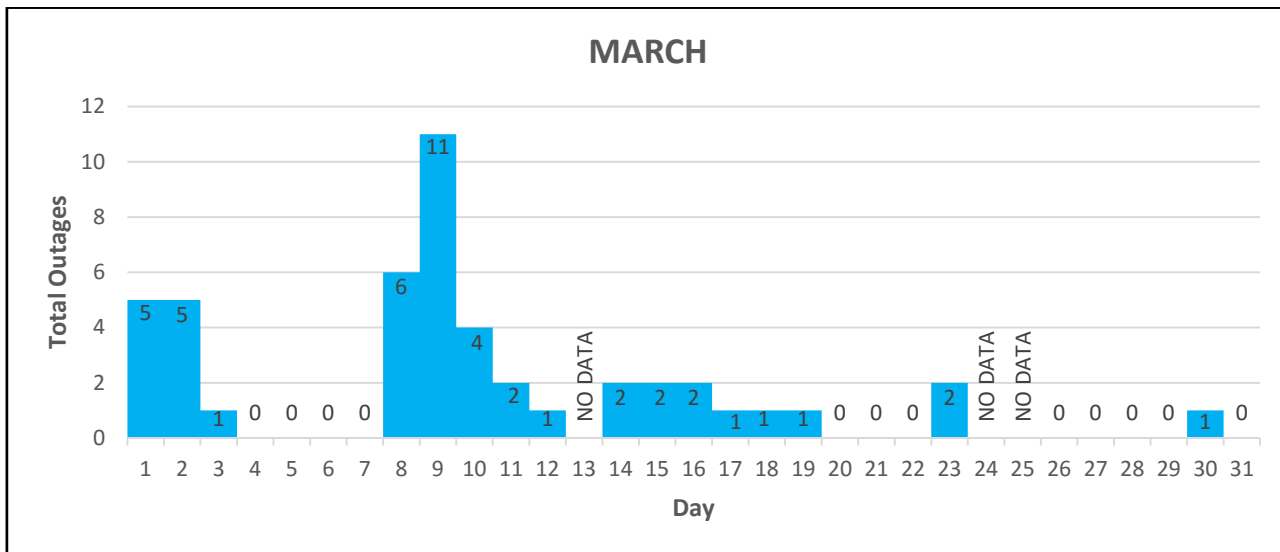
Item	Quantity	Unit	Disposal Method
Liquid Household Hazardous Waste	250	Gallons	Montgomery County Precinct 3
Other Household Hazardous Waste	45	Items	Montgomery County Precinct 3
Shredding	1,200	Pounds	Shredding Vendor
Trash	3	Roll-off Dumpsters	Republic Waste
Recyclables	2	Trailers	Recycling Vendor

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	1.5
Number of lights with battery change outs	16
Number of batteries tested	60
Number of battery replaced (failures)	4
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	5

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. One of the lights had a corroded terminal and another had a rusted wire, repairs were made to both lights. The other wiring issues were related to only two of the batteries being wired together.



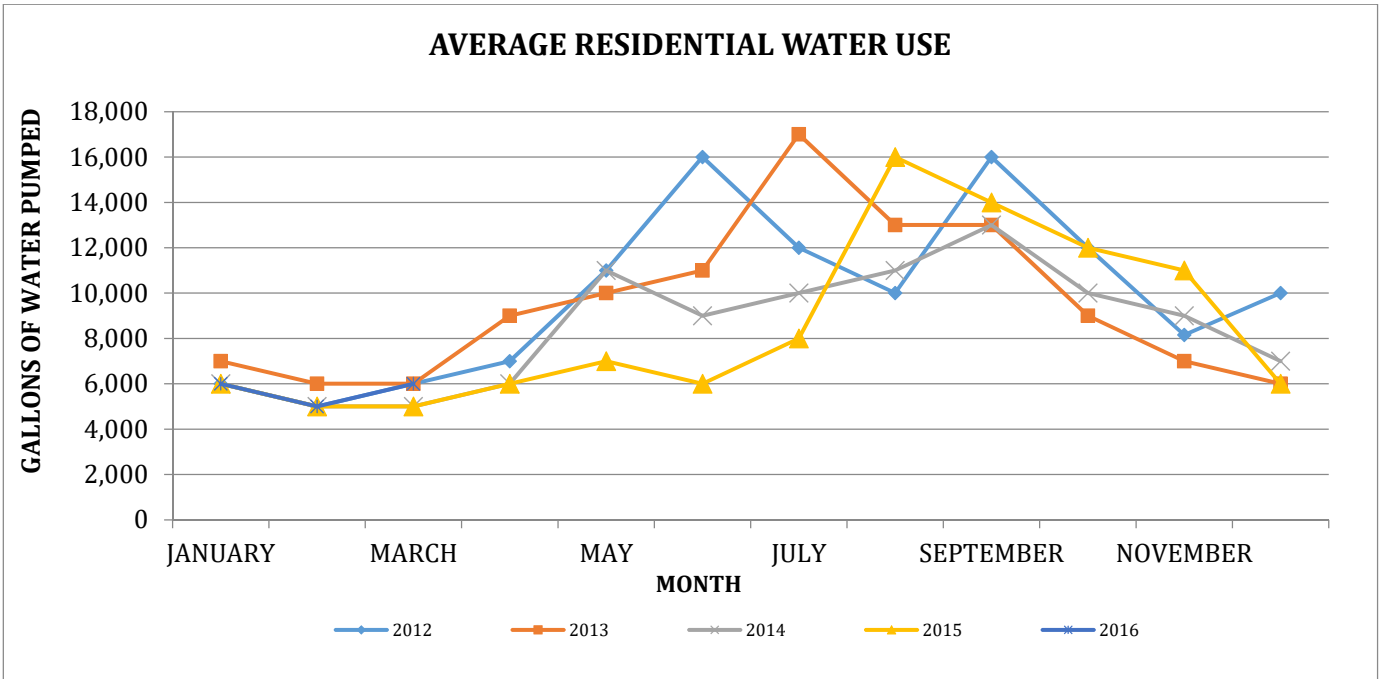
Public Works staff performs two checks of the City Park during the week days and once on Saturday and Sunday. During the morning and afternoon checks, trash cans are emptied if needed, bathrooms are checked for cleanliness, and a general inspection is performed.

New grass was added to areas where repairs had been made and dead trees had to be removed. Cleaning and waxing of the Splashpad equipment was completed. The base for the Stand and Spin (playground equipment) was replaced under warranty. The movable backstop and soccer goals were placed onto the multipurpose field.

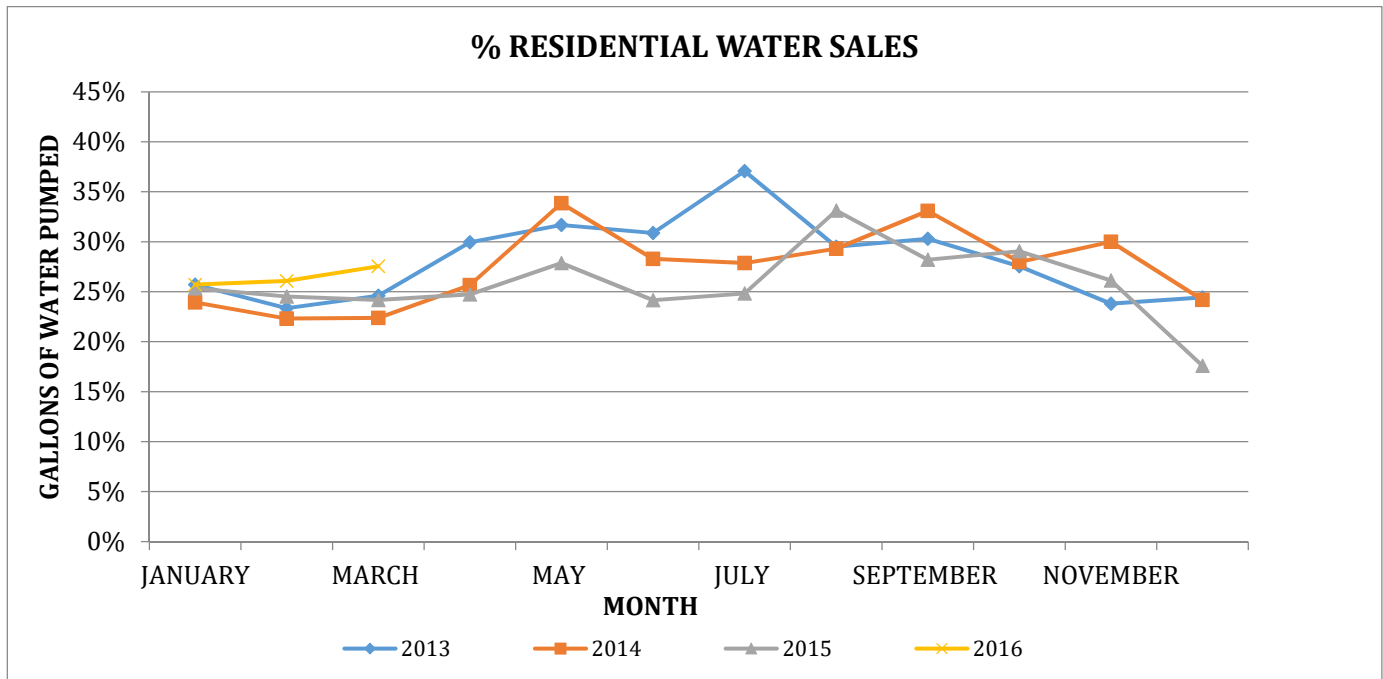
WATER & SEWER

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.

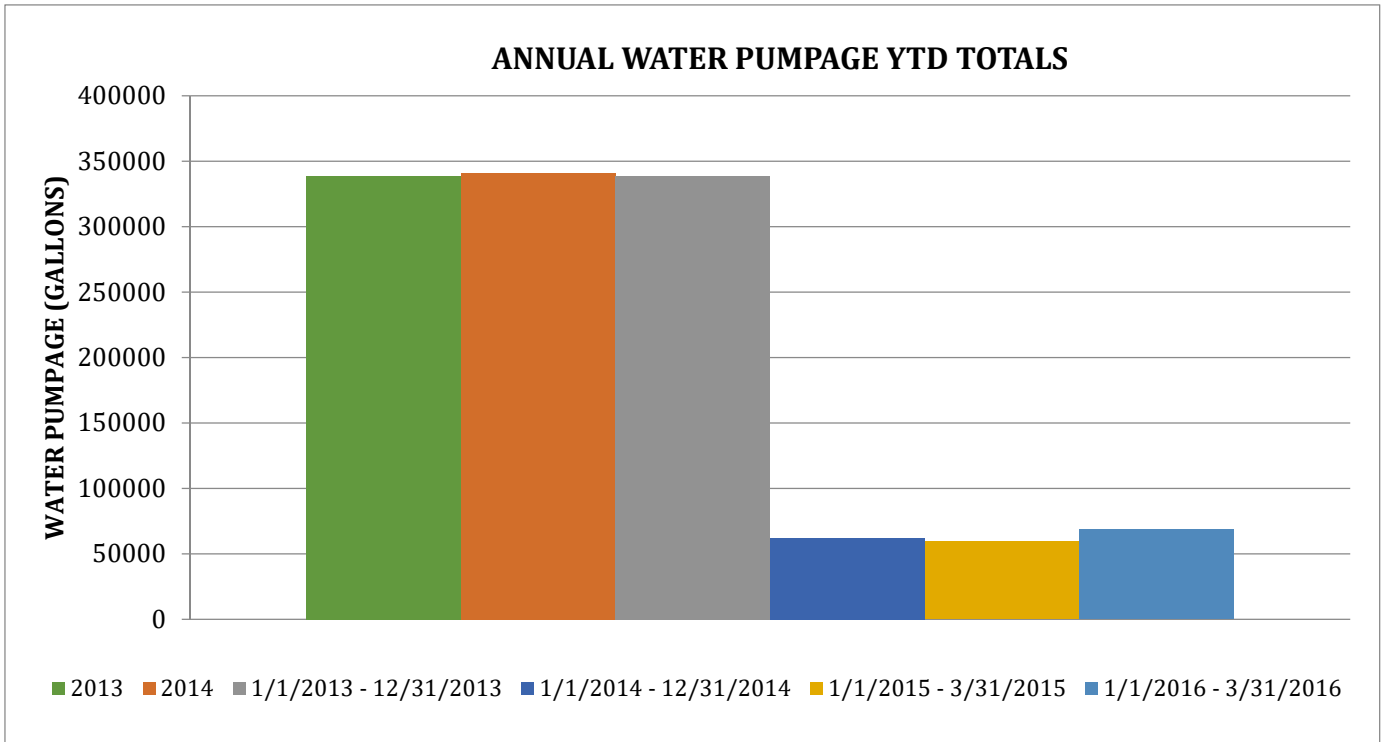
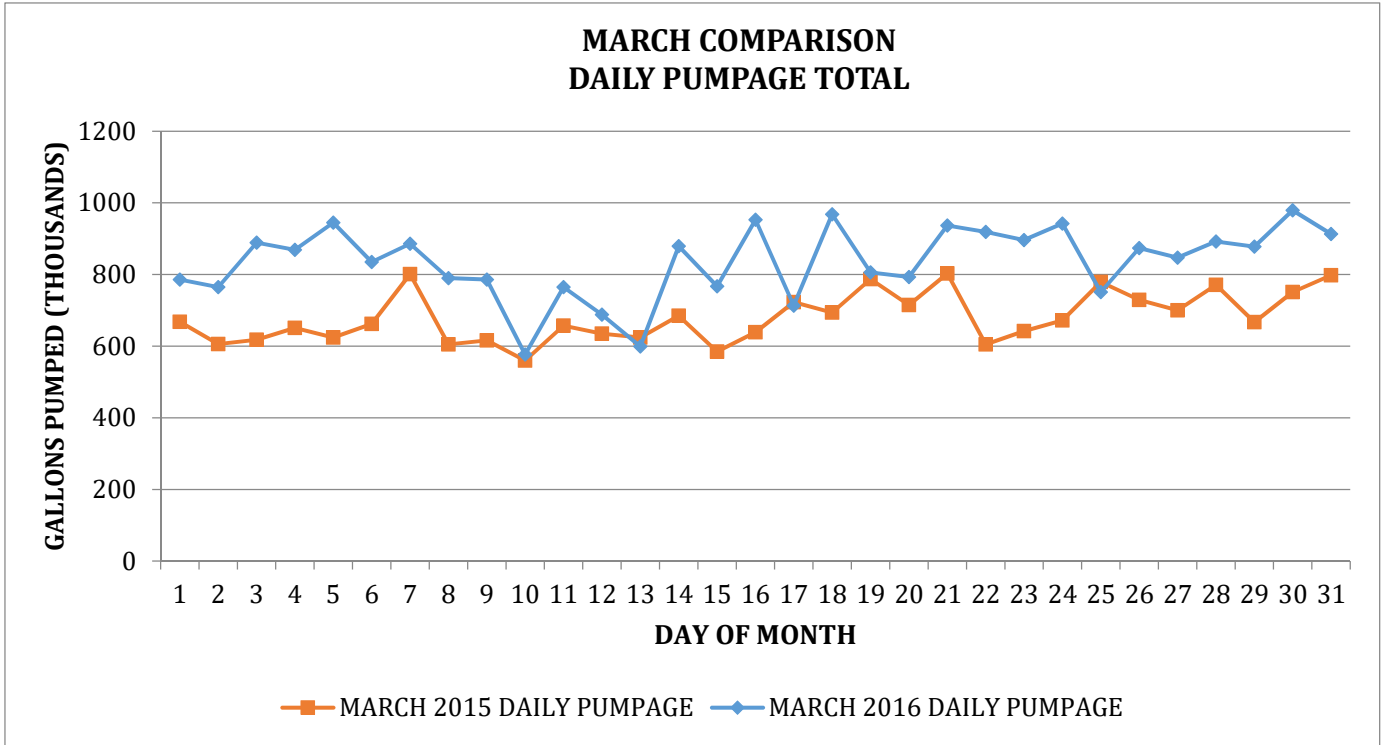
Groundwater production for the calendar month of March was approximately 25.9 million gallons with an average daily use of 835,000 gallons. The average residential water use for the billing month was 6,000 gallons. The next chart shows the average residential water use for each month compared to previous months.



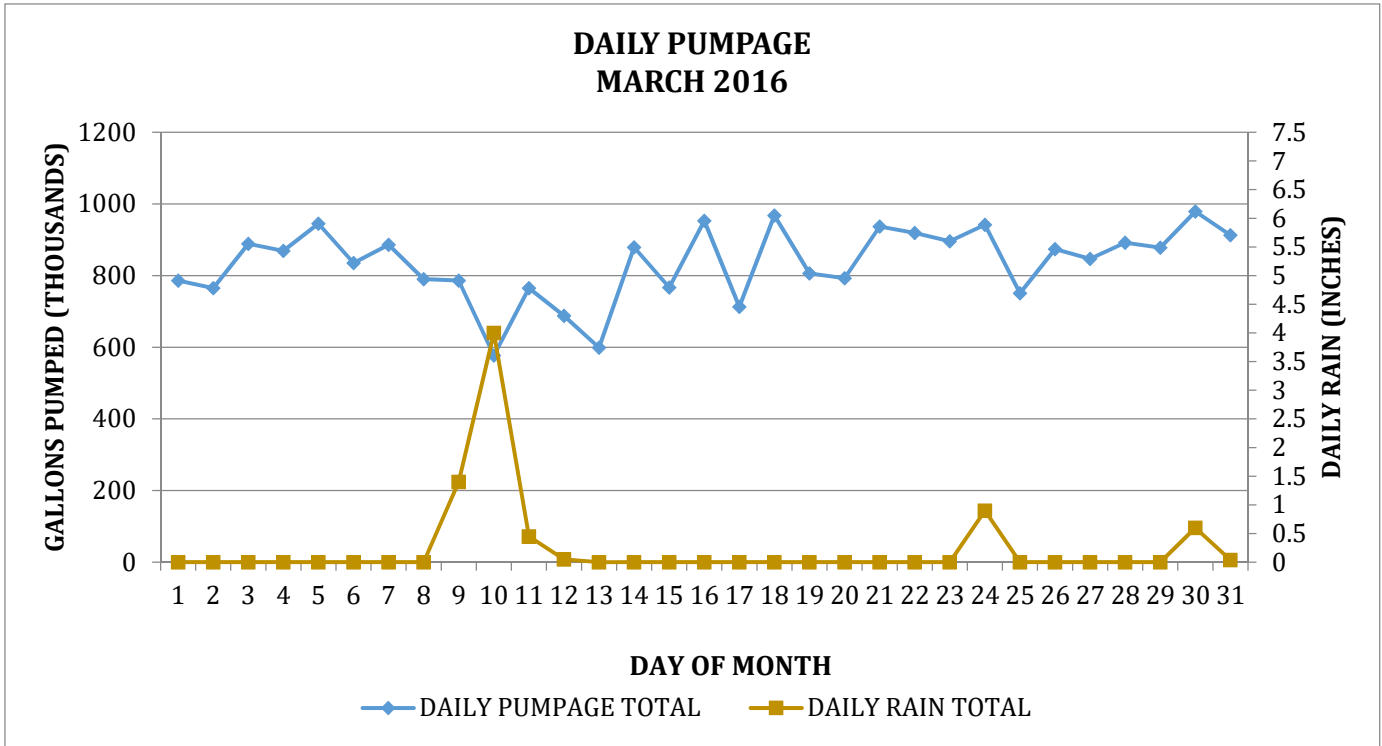
The chart below shows how much residential water sales have accounted for. In March 2015 residential water sales accounted for 24.17% of all water sales compared to 27.54% for the current month.



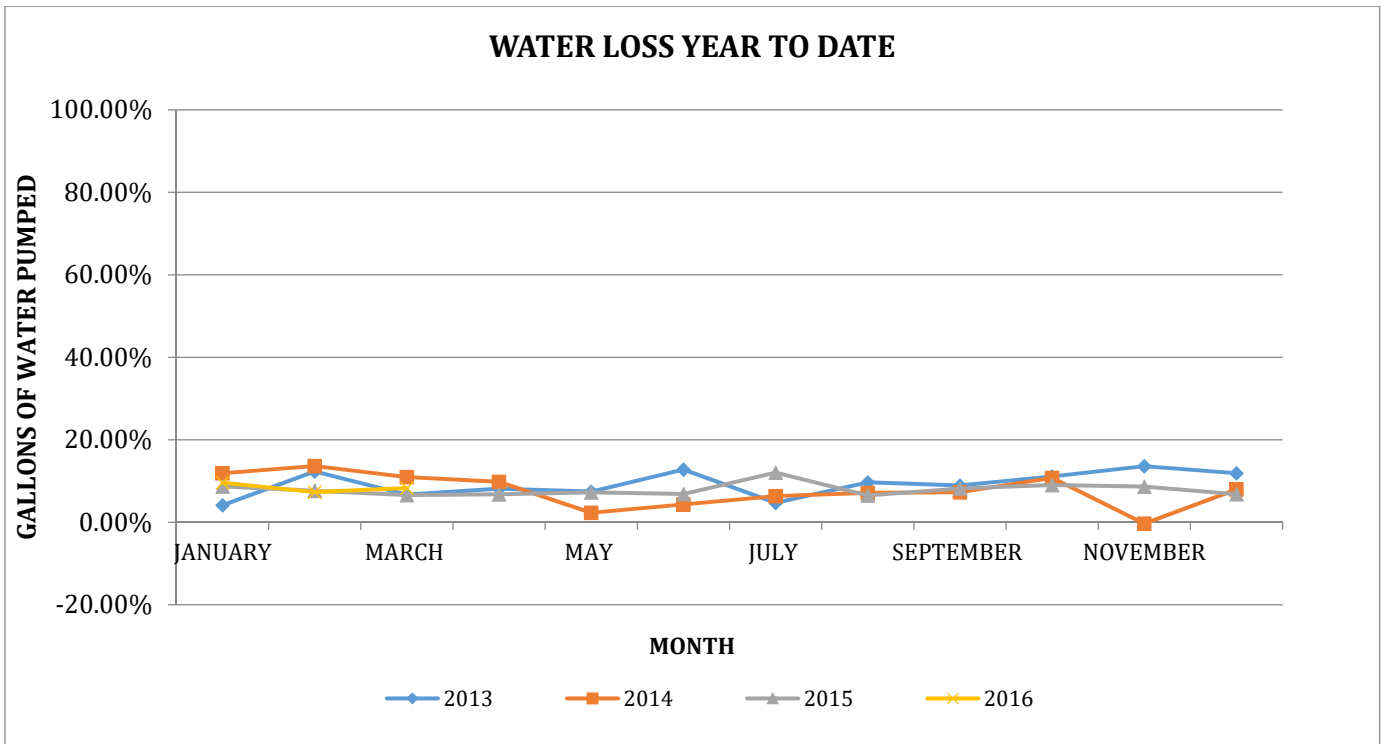
The next two charts show the daily pumpage data compared to previous years. Through March the City has pumped 68.6 million gallons of water this year. Last year during the same period the City pumped 59.5 million gallons.



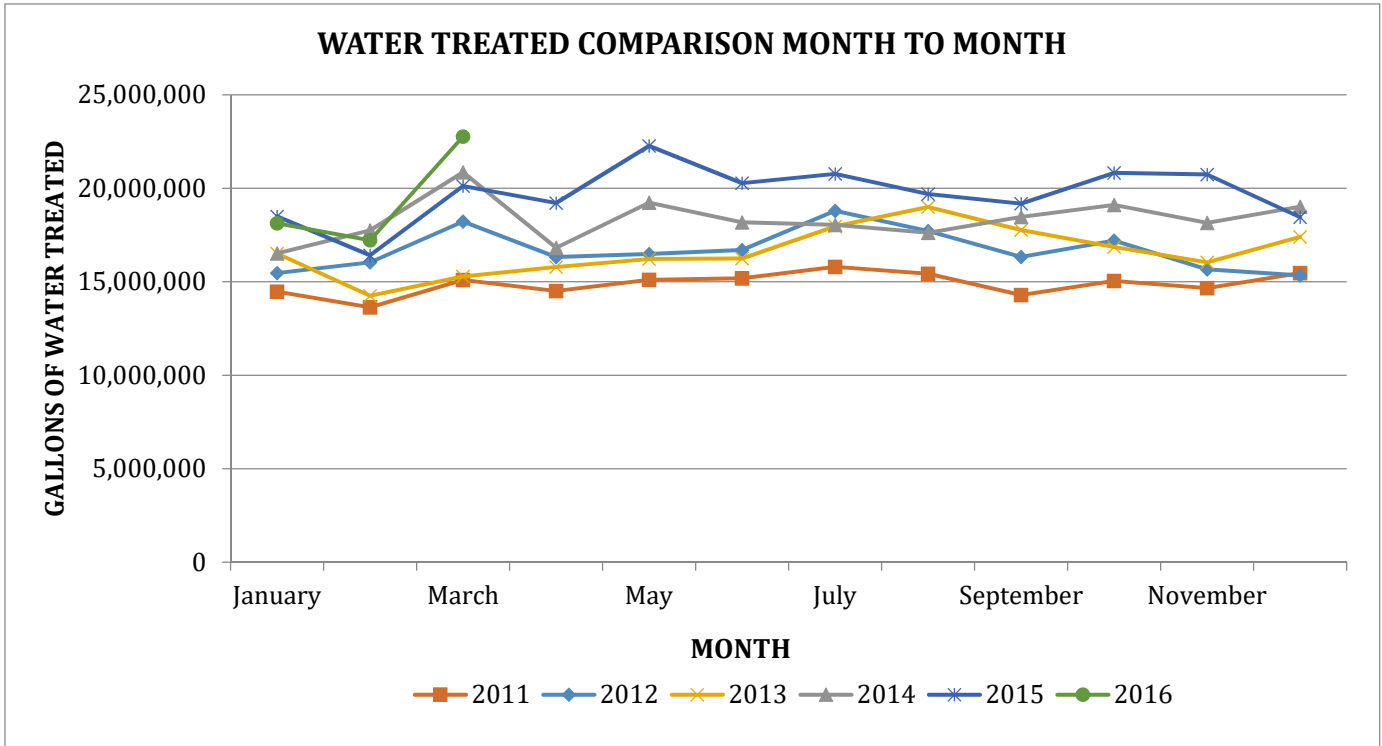
The next chart shows the daily pumpage compared with rain.



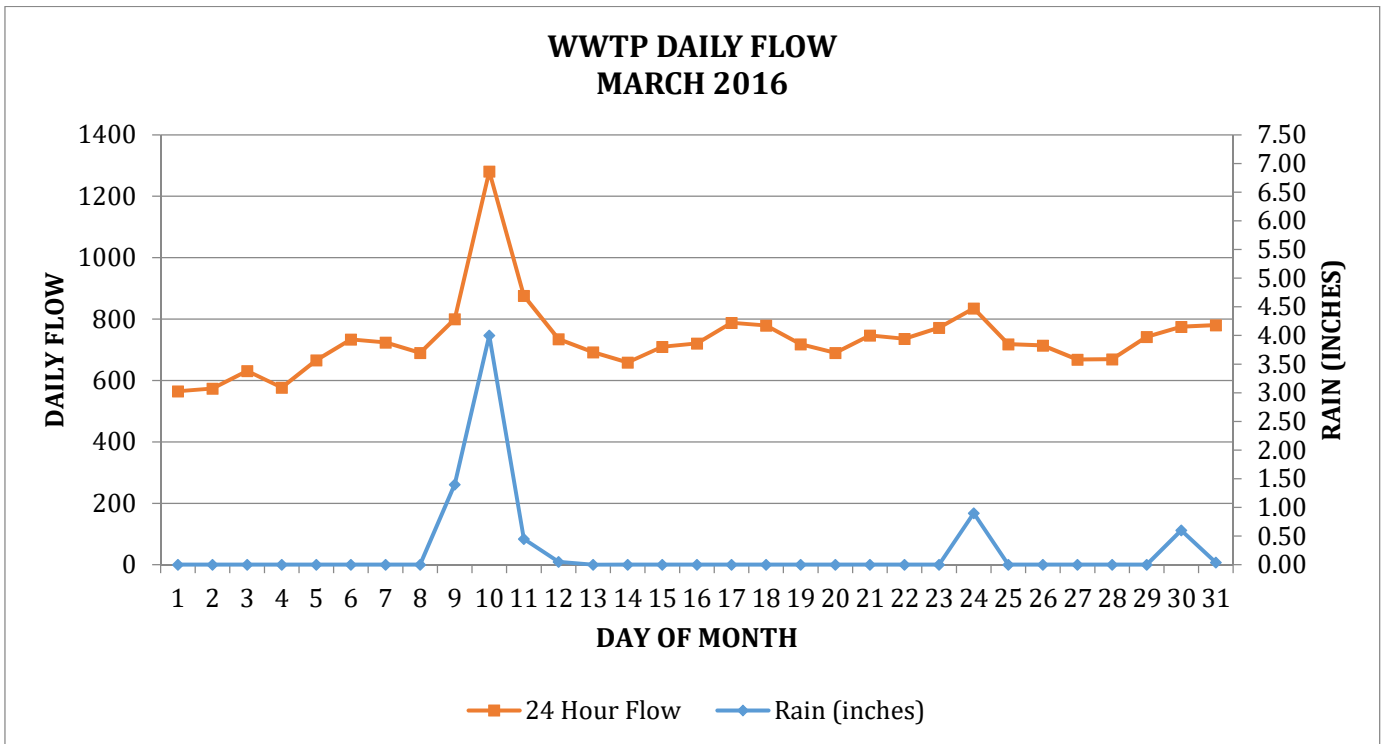
The water loss for the month of March was 8.28%. The chart below compares the loss rate to previous years.



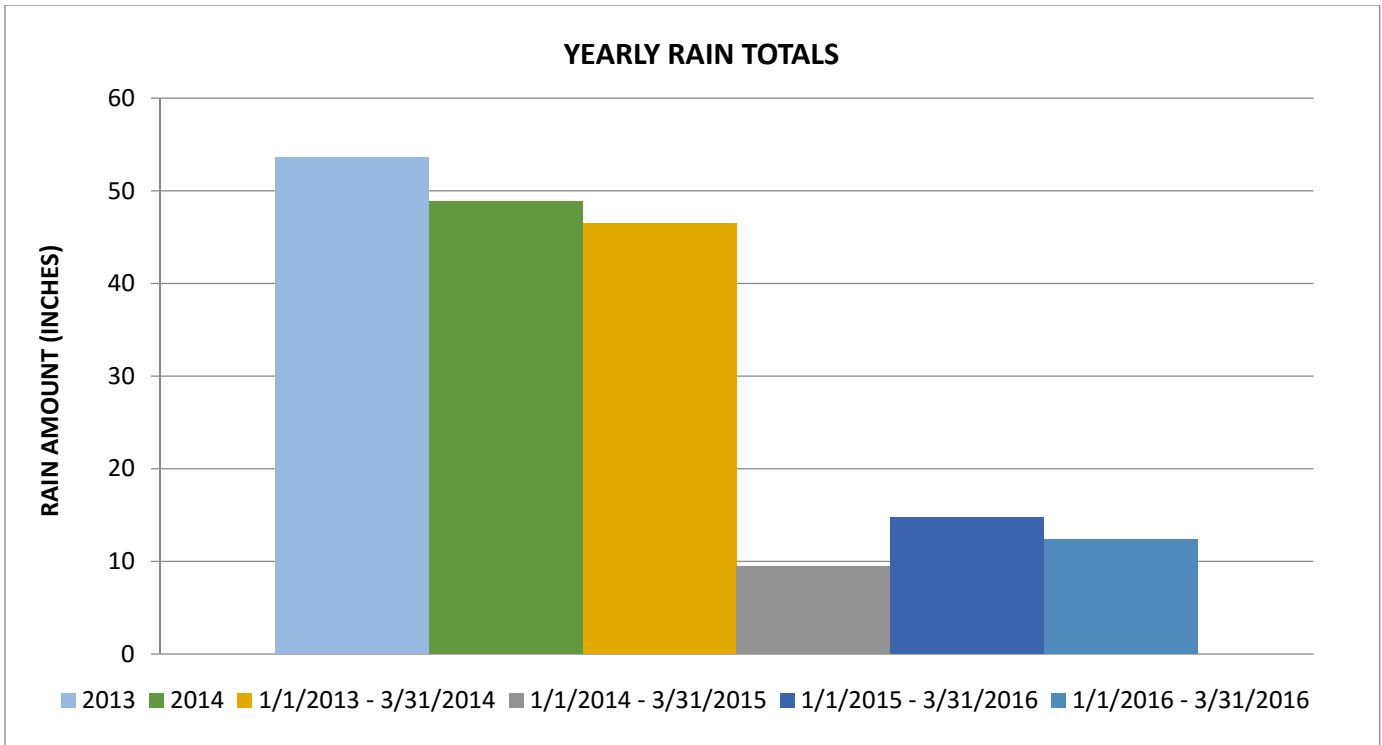
The next chart compares flow data at the wastewater treatment plant to previous years.



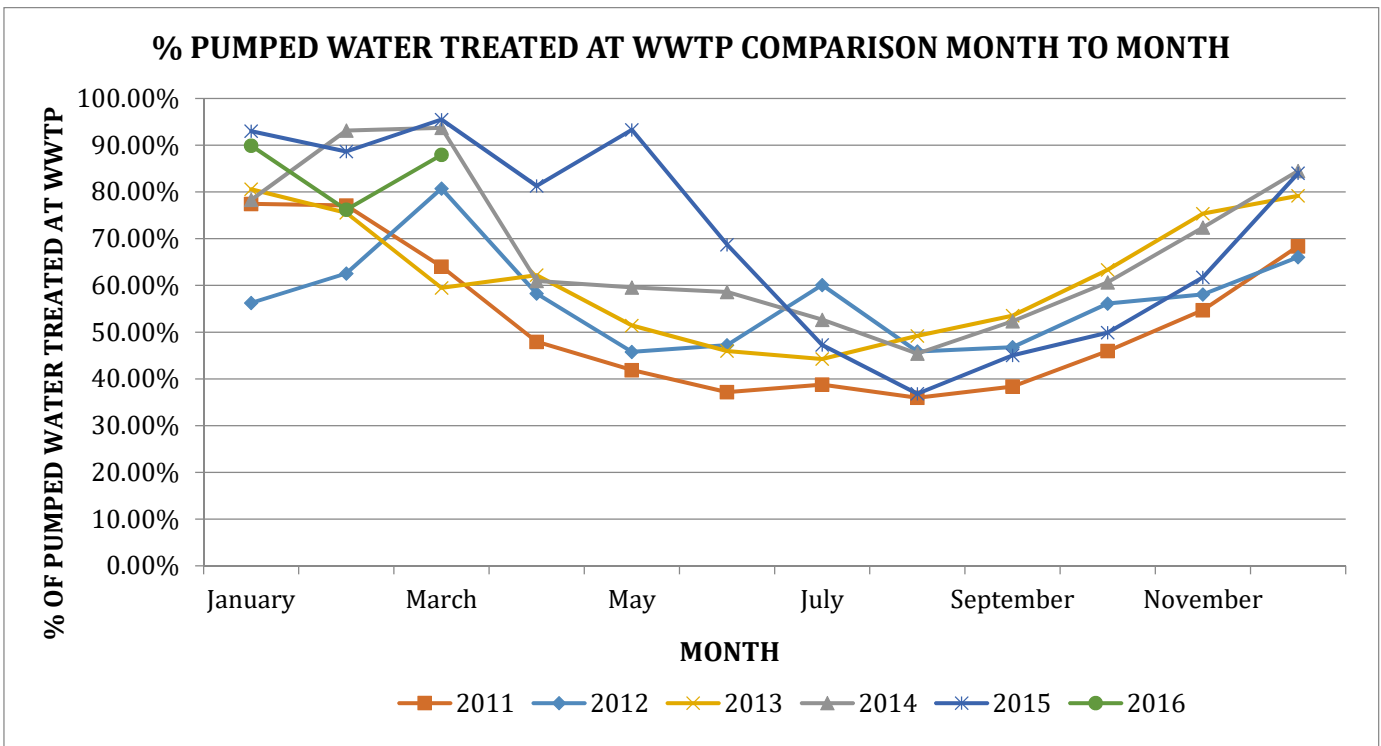
The City's wastewater treatment plant flowed 22.8 million gallons this month for an average of 734,387 gallons per day. Through the year, the City has treated 58.1 million gallons. The chart below shows the daily flow at the treatment plant and daily rainfall.



Through March 31st the City has registered 12.4 inches of rain at the treatment plant compared to 14.71 and 9.48 inches in previous years. The next chart summarizes rainfall from previous years.



The City "recovered" over 87.9% of the water pumped at the treatment plant. The chart below compares the monthly percent recovery to previous years.



SUBMITTED BY: Joseph Peart