FIRCREST CITY COUNCIL
SPECIAL MEETING AGENDA

MONDAY, JUNE 4, 2018 **FIRCREST CITY HALL**
6:00 P.M. **115 RAMSDELL STREET**

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **ROLL CALL**
4. **COMMUNITY POOL STATUS**
5. **ADJOURNMENT**

Memo

To: Scott Pingel, City Manager

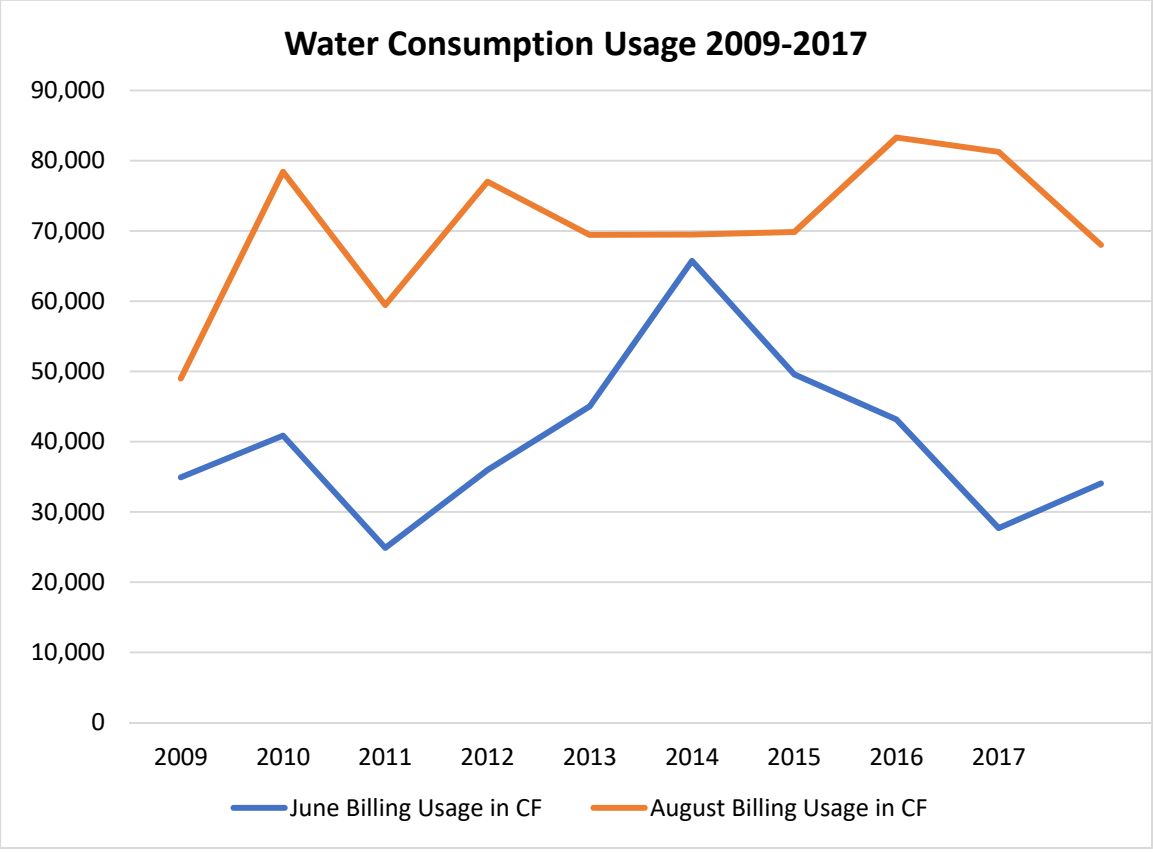
From: Jeff Grover, Parks & Recreation Director

cc: Fircrest City Council

Date: Friday June 1, 2018

Re: Fircrest Pool Water & Chlorine Consumption

We have gathered the water consumption usage for the Community Center and Pool. Public Works has assisted us and has isolated the water going into the pool. The water consumption readings are in cubic feet and taken every two months. Our observation of the water meter readings is that we have not seen a drastic increase in water usage over last 8 years other than the 201,325 CF in 2013.



Year	June Billing	August Billing	October Billing	Total CF	Cost
2008	34,923	48,996	33,269	117,188	
2009	40,877	78,428	33,936	153,241	
2010	24,879	59,459	58,873	143,211	
2011	35,971	77,009	50,384	163,364	
2012	45,025	69,437	31,730	146,192	$2,437.06
2013	65,744	69,468	66,113	201,325	$3,530.67
2014	49,595	69,845	47,585	167,025	$2,812.05
2015	43,171	83,309	49,509	175,989	$3,168.64
2016	27,697	81,260	45,666	154,623	$2,588.82
2017	34,058	68,024	46,633	148,715	$3,859.31* (rate increase)

Chlorine Expenses

The chlorine expenses were provided by Orca Pacific. As you can see below we purchased 1,338 more gallons of chlorine in 2017 than in 2016. Chlorine breaks apart when ultraviolet radiation from the sun hits it, releasing the chlorine as gas into the atmosphere. Sunlight is so effective at reducing chlorine that a bright, sunny day can do so by 90 percent in just two hours. The weather is a large contributing factor of how much chlorine a pool will use. We are focusing on more efficient ways to operate the pool, by adding cyanuric acid. Cyanuric acid is a chemical that reduces the effects of ultraviolet rays on chlorine. It reacts with free chlorine to form a compound that's stable in the presence of sunlight reducing the amount of chorine a pool uses. The cost of chlorine is going up this year, but we are hopeful that we will be able to use less of it with the help of the cyanuric acid.

2016 2,592 Gallons = $6,739.70

2017 3,930 Gallons = $10,611.00

Water Expenses

While we saw a fairly significant increase in water costs, some of that is due to the change in the rate structure as you can see from the table above that less water was used in 2017 than in 2016.

2016 $2,588.82

2017 $3,859.31

Make Up Water Consumption May 28 – June 1, 2018

May 28 5,106.00 Gal

May 29 7,502.44 Gal

May 30 7,422.00 Gal

May 31 4,757.28 Gal

June 1 4,630.12 Gal

5-day Average: 5,883.57 Gal