



Utilities Department News

Spring 2015

Industrial Park Pump Station Improvements



Existing Industrial Park 5 million gallon steel ground storage tank.

The Industrial Park Pump Station and its five-million gallon water storage tank helps Utilities Department meet peak demands and fire flows within the Cocoa city limits. It also helps to maintain system pressures in the downtown area. The existing tank is 43 years old and is beyond its service life. This project will replace the old steel, ground storage tank, the existing booster pumps, and associated building, electrical, yard piping and includes other site improvements. A new, five-million gallon, concrete tank is

under construction adjacent to the existing tank.

To improve security and reliability the site will receive an emergency generator sized to power the pump station in case of power outages; a hurricane hardened pump building and upgraded security measures around the facility.

The project is intended to improve the water system's level of service and reliability as a part of Cocoa Utility Department's ongoing capital improvement program. Estimated cost for the project is \$4.6 million.



Scaffolding going up for the new Industrial Park 5 million gallon concrete water storage tank.

Indian River Drive Water Main Replacement

A project to replace a six inch, cast iron water main along North Indian River Drive, some of the oldest pipe in the Cocoa Utilities water system, dating back to the 1930s, will begin soon. At press time, the project was

awaiting final approval by the Cocoa City Council but is expected to begin in April. The project connects just north of Willard Street (SR 520) and extends north to about 1025 Indian River Drive. The project will replace



approximately 7,500 feet of existing six inch cast iron pipe and asphaltic concrete pipe, along with all the associated fittings and valves, with new 8" ductile iron pipe (DIP). All the fire hydrants and service lines will also be replaced.

The 75 plus year old water main is at the end of its service life. This area is

experiencing decreased fire flow capabilities and has had numerous breaks in recent years that have impacted local businesses, residences, and traffic.

The estimated cost of the project is \$1.9 million and is expected to take three months to complete.

Planting a beautiful yard this spring? Spruce up your sprinkler before you ramp up your water use

A broken or missing sprinkler head could waste as much as 25,000 gallons of water and more than \$90 over a six-month irrigation season. Before you ramp up your watering this spring, spruce up your irrigation system by remembering four simple steps—inspect, connect, direct, and select:

- **Inspect.** Check your system for clogged, broken, or missing sprinkler heads or go with a pro—look for an irrigation professional certified through a WaterSense labeled program to help.
- **Connect.** Examine points where the sprinkler heads connect to pipes/hoses. If water pools in your landscape or you have large wet areas, you could have a leak in your system.
- **Direct.** Are you watering the driveway, house, or sidewalk instead of your yard?

Redirect sprinklers to apply water only to the landscape.

- **Select.** Update your watering schedule with the seasons, or select a WaterSense labeled controller to take the guesswork out of scheduling.

For more tips, visit:

www.cocoaf1.org/conservation or
www.epa.gov/watersense/outdoor.



Planting a beautiful yard this spring?
Spruce up your sprinkler before you ramp up your water use.



My Brevard Yard

Wednesday, April 29, 2015 from 9:00 a.m. to 12:00 p.m.

Cocoa Civic Center, 430 Delannoy Ave., Cocoa Village

Come join us for this 3-hour workshop where you will learn how to grow a healthy landscape and protect the Indian River Lagoon all at the same time! Please try and arrive by 8:45 so that we can begin at 9 a.m. Topics covered include; stormwater runoff and the Indian River Lagoon, lawn and landscaping practices, irrigation, and fertilizers.

In addition to the classroom information you will also have some hands-on training on calibrating a fertilizer spreader, taking a soil

sample and how to set up a micro-irrigation system.

At the conclusion of the workshop you can sign up for an optional 1-hour My Brevard Site Visit to your yard which includes a soil test, an irrigation water test, and answers to all of your questions. The cost of the site visit is \$30.

Visit <http://brevard.ifas.ufl.edu/horticulture/> to find out more about the My Brevard Yard program.

More Spring Water Conservation Tips

With the change to Daylight Saving Time, lawn watering restrictions changed too. The St. Johns River Water Management District enacted stringent irrigation rules on December 9, 2008. They became effective March 8, 2009 and remain in effect. Watering is allowed before 10 a.m. or after 4 p.m. on the following days.

Even numbered addresses may water:

- Daylight saving time (second Sunday in March until the first Sunday in November)
- Thursday and Sunday

Odd numbered addresses may water:

- Daylight saving time (second Sunday in March until the first Sunday in November)
- Wednesday and Saturday

These restrictions apply to water withdrawn from private wells, surface water, and water from public supply utilities.

What To Plant

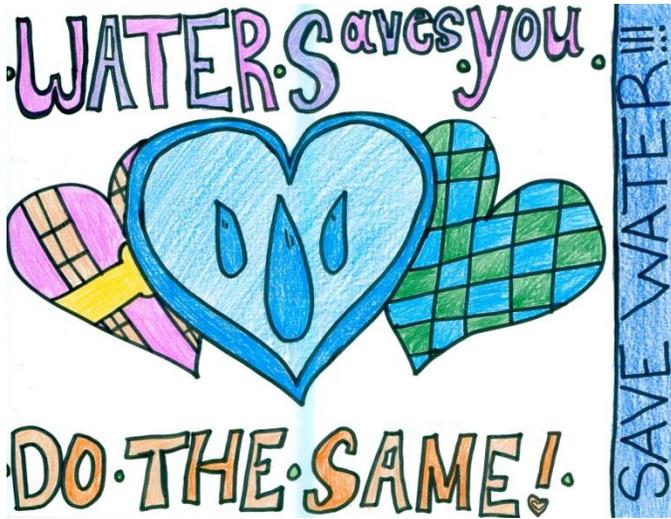
From coast to coast, choose low water-using plants native to your region to save water in the garden. Visit EPA's ***What to Plant***, www.epa.gov/watersense/outdoor/what_to_plant.html, to learn more about what plants are defined as low water use or drought tolerant for your area.

Another good resource is the St. John's River Water Management District's Waterwise landscaping site, <http://sjrwmd.com/waterwiselandscapes/>

Spring cleaning?

Get acquainted with your water bill and clean up on savings indoors and out. Visit www.cocoaf.org/conservation to learn how to conduct a water use survey and how to use your water meter to check for leaks.

"Drop Savers" Water Conservation Poster Contest



Poster by Pearl Liu, a fifth grade student at Golfview Elementary School in Rockledge.

Every year the Florida Section of the American Water Works Association (FSAWWA) sponsors the "Drop Savers" Water Conservation Poster Contest. Students from kindergarten to 12th grade are encouraged to create a poster depicting a water conservation idea, in slogan form, drawing form, or both. The contest allows

students to promote water awareness and the importance of water conservation in their daily routines.

Posters were designated under one of the following categories:

Division 1: Kindergarten and First Grade

Division 2: Second and Third Grade

Division 3: Fourth and Fifth Grade

Division 4: Middle School; Grades Six, Seven and Eight

Division 5: High School; Grades Nine, Ten, Eleven and Twelve

The posters were drawn on a 8 1/2" x 11" white paper. Each poster had to portray a water conservation idea in a slogan, drawing, or both. Students could use crayons, paint, color pencils, or markers. Highlighters, photos, or computer graphics weren't permitted. Students had to work on posters individually. Only original artwork was accepted (i.e. no trade-marked or copyrighted materials).

Utilities Quarterly (Jan-March) Statistics

Claude H. Dyal Water Treatment Plant

Raw Well Water

- Total raw water pumped: 2,104.47 MG, 23.38 MGD Avg.
- Peak day: March 24, 29.22 MGD
- pH: 7.66
- Total Hardness: 342

Finished Water

- Total treated: 1,975.83MG, 21.95 MGD Avg.

- pH: 8.90
- Total Hardness: 119
- Total Hardness: 118

Customer Service

- Total gallons billed: 1,833.65 MG
- Total water meters read in March: 81,186
- Total reuse meters read in March: 2,115

For suggestions, comments, or questions about the Cocoa Utilities Department
Call 321-433-8705 or email d downs@cocoafl.org