

CITY COMMISSION
CITY OF WILDWOOD, FLORIDA
SPECIAL CALLED WORKSHOP
JUNE 5, 2012 – 6:00 P.M.
CITY HALL COMMISSION CHAMBER

The City Commission of the City of Wildwood Florida met in Special Session, June 5, 2012 at 6:00 p.m.

Present were: Mayor Wolf, Commissioners Bivins, Clark, and Allen. Also present were: City Manager Cannon, City Clerk Jacobs, City Attorney Blair, Assistant City Clerk Roberts, Police Chief Reeser, Utilities Director Phillips, HRC Cox and AVT Law.

The meeting was called to Order and followed by an invocation and Pledge of Allegiance to the American Flag.

1. TIMED ITEMS AND PUBLIC HEARINGS

None

2. REPORTS AND PUBLIC INPUT/SPECIAL PRESENTATION(S)

- a. State of the Utilities Power Point Presentation – (Attachments on file) by Bruce Phillips, Utilities

UD Phillips introduced the Wastewater Division Head, Robert Valentich and the Water Division Head, Mark O'Dell.

Water Facilities

- In January SWFWMD amended the WUP, but the expiration date of July 29, 2013 was not changed.
- CR501 Water Plant issues include the plumbing failure that occurred October 24, 2010 resulting in 18" of water inside the building. Have a settlement coming from the insurance company for \$85,000. Electric control room does not meet current National Electric Code requirements for clear workspace in front of the panel. Electrical system is unreliable. Kimley-Horn is preparing contract documents for the repair of the flowing damage and to correct code issues. The facility presently uses gas chlorination, which is a safety issue for changing the cylinders and solution is to convert to hypochlorite. Facility does not have remote security. SCADA is out dated and not remotely accessible. Poor cellular service which requires a booster antenna for security and SCADA.
- Huey Street Plant issues: Does not have remote security, SCADA outdated and not remotely accessible. Office restroom is within the Wellhead Protection zone. Elevated water tank not equipped with Altitude Valve and was not inspected in 2007 when other tanks in system were.
- West Well Plant issues: Doesn't comply with wellhead protection, inspection in 2007 indicated that hydro-pneumatic tank needed second man-way to meet code, No SCADA for remote access, no security cameras, land owner sent demand letter to City Attorney equipment to be moved, but without west well I-75 interchange is on a dead end line.
- Okahumpka Service Plaza Plant issues: The facility, due to lack of maintenance, has reached end of serviceable life, inspection in 2007 noted aeration and ground

storage tank in very poor condition and recommended replacement, hydro-pneumatic also in poor condition and needed second man-way to meet code, no SCADA for remote access, no security cameras. City has been negotiating with Turnpike to take plant out of service, but agreement requires both parties to agree to abandonment, if facility is turned back to the Turnpike Authority it must be in "good" condition.

- Fairways' Plant issues: inoperable stand-by generator, gas chlorination facility, 2007 tank inspection reported the hydro-pneumatic tank in poor condition and in need of second man-way, system works on pressure switches, no SCADA for remote access, no security cameras.
- 214 Re-pump Station issues: originally constructed for a well site but is a booster station which requires one or more pumps to be operational to provide sufficient pressure for potable water and fire flow to the north City limits, has an aerator that is not required for a re-pump station because the treated water then requires rechlorination, SCADA system is proprietary and can be maintained only by one individual, system had no redundancy and is outdated, a mechanical control has been installed for redundancy, security cameras are not accessible from remote locations, production well could not be constructed as the location was within the supply influence of The Villages.
- Champagne Farms Wells issues: two wells presently capped and not in use, appear to meet the qualifications of an Alternate Water Source which was the intent of drilling into the Lower Floridan Aquifer. Commission approved to pursue the AWS designation and create a hydraulic model of the distribution and preliminary design.
- Distribution Facilities - additional elevated tanks should be considered.
- Metering and Billing system – of approximately 4163 metered accounts, 613 have "ride-by" technology, 1,598 will require upgrading to "ride-by" and 1,952 will require new meters. Reading meters require approximately 120 man-hours. Staff is looking into the cost to replace all meters with "ride-by" AMR meters and the investment based on greater efficiency and quick read time of less than 8 man-hours per month.
- The last rate study was in 1997. Connection and TIE fee rate study was in 05-06. There are a number of dead end water mains needing to be looped. All known valves have been located by GPS coordinates, however the west side of town is lacking in valves and staff is looking for locations to install valves, the west side of town some insufficient sized water mains for fire protection, some developments have privately maintained water mains and these should be separated from the City system by backflow prevention device and master meter, at least two cases where City installed meters on privately maintained lines, water distribution system will need to be upgraded in the corridor of CR462, and be relocated in the expansion of CR466A.

Wastewater Facilities

- Treatment Facilities: Current operating permit expires January 27, 2017. 3.55 MGD permit with most recent 3 month average daily flow at 1.552083 MGD and .447175 MGD capacity sold but not connected. Capacity analysis is required when Average Annual Daily Flow reaches 50% of the plants permitted capacity. It is currently at 43.72%. At this level it is a Category III Class C plant. When it reaches 50% FDEP will classify it as a Category III Class B plant requiring staffing 16 hours per day, 7

days per week.

- Original plant upgraded approximately 20 years ago and expanded in 2007. Mechanical equipment starting to fail: Pumps, blowers, conveyers. Sludge press needs to be upgraded. Emergency by-pass needed at bar screen. Bar screen needs to be updated. Needs emergency by-pass at the Krueger filter. Need to be able to manually operate the Post Equalization Pump Station and the Reuse Pump Station if VFDs fail.
- Disposal facilities issues: gritty material settling out of the effluent on the lined pond bottom.
- Reuse agreements with The Villages Water Conservation Authority LLC and Rolling Hills Country Club (Brassboys Enterprises, Inc.)
- Collection and Transmission System issues: City's policy has been to not accept or construct gravity sewer mains and some lift stations. A number of E-1 Stations have been installed and manifold into the City's existing force mains and although the owners have been made aware they are to operate and maintain the stations, the City gets the call when a station fails and must respond to protect system against spillage. October 2011 there were three major lift stations operating as simplex stations but were permitted as duplex. Two pumps were replaced and the third station is off-line. Some stations have 20,000 to 40,000 hours of continuous operation. The 14" force main from the Prison has failed 8 times and the 14" size is no longer made and finding repair clamps and pipe is getting difficult. Prison lift station appears to be a significant factor in the force main failures in that the pumps cycle over 400 times per day creating "cyclic failure" in the PVC pipe. The Prison has been asked to review the size of its lift station wet well to reduce the number of starts and stops per hour thus reducing the changes of "cyclic failure". The Prison lift station had a failed bar screen allowing WWTP filters to clog. Does not recommend constructing a new WWTP near Landstone until the City is sure what will happen with Landstone, Wildwood Springs and Southern Oaks. Additional developments will require utilities from the City. Providence first phase will need the extension of an existing 4" main. The development of additional phases and other developments will require the construction of a new force main from the developments to the WWTP – estimated cost of \$1,000,000. Wastewater collection system will need to be upgraded in the CR462 expansion and will need to be relocated on CR466A.

Staffing costs for both water and wastewater could be reduced by an upgrade on the SCADA systems to the Electronic Control System.

Water and wastewater staff has done unbelievable jobs in keeping these systems up and operational through the years with lack of funding for maintenance. Future needs funding is going to be a major issue. City should have a 20-25% reserve fund for both water and wastewater for emergency and unforeseen issues. Staff has put together a 5-year Renew and Replace plan as well as a 5-year Capital Improvements Plan.

UD Phillips gave an invitation for all the Commissioners and Mayor to call and schedule a visit of the plant, one at a time.

CA Blair thought that the permit and designation as an AWS of Champagne farms had been submitted to SWFWMD by the 2011 deadline, with the idea that it would be in place by the 2013 WUP expiration. UD Phillips indicated he has not found any correspondence.

CA Blair recommendation that BFA be contacted to find out what they completed. UD Phillips noted that on March 26, 2012 the Commission had approved amendment to Kimley-Horn contract for preliminary design, hydraulic model and to get the AWS designation.

CA Blair noted the attorney for the land owner where the west well is located has not responded to her and suggested the City not make contact until they do.

UD Phillips noted he would attend a Workshop on Thursday regarding SRF funding program. There will be another amendment to KHA contract on Monday in regard to funding and grants.

Mayor Wolf noted that past Wastewater Directors made request to the City Manager for the budget but the items never made it before the Commission. UD Phillips noted that of 21 items requested by the previous director last year and only 6 were in the budget and only 1 of those was fully funded. Mayor Wolf noted in fairness to the past City Managers money does have to be there to be able to fund the items.

UD Phillips noted that is why he is asking for rate studies. CM Cannon indicated that he and UD Phillips utilizing Kimley-Horn are looking for grants. The Model will help to prioritize what is needed. Mayor Wolf noted that the items need to be prioritized because other departments could come to the Commission indicating that they are just as far behind. UD Phillips the model will allow for new development to be plugged in to see what is needed for the developments. Mayor Wolf noted the real priority now is what is vertical and already out of the ground. CA Blair reminded that pressure issues were to be addressed in the Developers' Agreement so that they are responsible if the City's pressure does not meet the needed pressure. It may not be in the earlier DA's. Mayor Wolf stated the biggest problem he sees is that there were so many fingers and different individuals involved in the projects such as CR214. There were so many involved in that, and when it came to the Commission they had to operate on the information provided.

CM Cannon noted the Champagne Farm Wells being tied in is one of the most crucial items, because that may answer two or three questions when that is done. Need to let the experts take care of it. Mayor Wolf noted that the engineers need to design and tell us that it is going to work so that they are held responsible; we are not going to change the design.

UD Phillips noted that the next five years maintenance costs in water and wastewater will be high. With some of the things he has seen, it has been a blessing that development construction slowed down but it is getting ready to start up.

- b. City Manager - None
- c. City Attorney - None
- d. City Clerk - None
- e. Commission Members - None
- f. Public Forum (10 minute time limit) - None
- g. Notes and Reports - None

3. NEW BUSINESS – ACTION REQUIRED
None

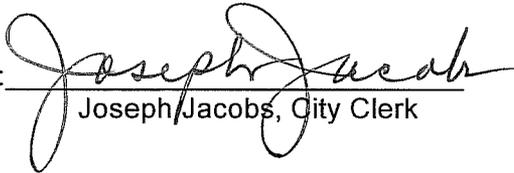
4. ADJOURN

Upon a motion by Commissioner Bivins, second by Commissioner Allen the meeting was adjourned.

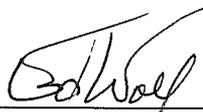
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ATTEST:



Joseph Jacobs, City Clerk



Ed Wolf, Mayor