

MINUTES
CITY COUNCIL PUBLIC WORKS AND UTILITIES COMMITTEE
Thursday, October 1, 2015 – 5:30 PM

The City Council Public Works and Utilities Committee met on Monday, October 1, 2015, at 5:30 p.m. in the City Hall Council Chamber Room with Council Member and Vice Chair Maurice Jones presiding.

Present: Maurice Jones, Council Member and Vice-Chair; Jim Fatland, City Manager; David Lutz, Public Works Director; Emory Owen, Wastewater Treatment Plant; Clay Sykes; and Chiffon Hwang, Recording Secretary.

Absent: Jimmy Harris, Mayor and Ex-Officio, Mac Morrow, Mayor Pro Tem and Chair; and Dennis Richardson, Water Plant OCR.

Others Present: Anthony Coward; David Morris, Oskar Blues Brewery; and Wesley Shooks.

A. Welcome and Call to Order:

Vice Chair Jones called the meeting to order at 5:35 p.m.

B. Certification of Quorum:

A quorum was present.

C. Approval of Agenda and Meeting Minutes:

The Agenda was accepted as presented. Motion was made by Mr. Sykes to approve minutes from August 27, 2015, seconded by Mr. Lutz. Motion carried.

D. Update on Sewer Collection Capital Projects:

Mr. Fatland called upon Mr. Lutz to present a report on the sewer collection system. Since the 1940s, Brevard had not experienced any problems with their collection of rainfall as they had a central manhole located by Brevard College that could handle the flow. But when North Carolina enacted the Clean Water Act for all cities and towns in 1999, the manhole was closed. Brevard obtained its permit in 2001, and has since been working towards being compliant.

The closing of the manhole caused sanitary sewer problems for the brand new lift station, pipes, and plant as it was too small to handle the load. The most that you can pump is about 4.4 million gallons a minute.

Currently, The City is working on four sewer collection projects: Kings Creek Phase 2, Kings Creek Phase 3, 6" Sewer Upgrade, and Neely Road Pump Stations Force Main & EQ Tank. Mr. Fatland said that the North Carolina Department of Environmental and Natural Resources (NCDENR) and the Local Government Commission (LGC) approved funding for three projects through low interest loans and grants.

The funding allows for the city to repair the following:

- At least 24,000 feet of defective gravity sewer pipes. C905, a thick wall plastic material, will coat the pipes and deter abrasive materials and chemicals from bothering the lining.
- Building a new 4,760 GMP pump station adjacent to the existing pump station.
- Constructing a 3.2 million gallon (MG) equalization tank at the waste water treatment plant to store peak flows in excess of the plant's 4.4 million gallons per day (MGD) peak capacity.

A larger pump station will be designed to where if one of the pumps goes down, the other pump would be able to handle its own load on top of the other one. A timely and costly issue has been the discovery of Appalachian Elktoe Mussels in the river. The United States Environmental Protection Agency (EPA) said that they would remove the colony for \$50K. CDM Smith can do it for \$7,600.

Mr. Lutz mentioned having an aerial thermal-graphic survey conducted. An airplane that has an IR mid-wave thermal imaging system will evaluate all the sewer lines. The City received a grant from the State and the testing will need to be done in temperatures lower than 20 degrees. The thermal imaging system will also pick up on any possible water leaks.

Mr. Jones questioned how the weekend's weather was going to affect the force main, and Mr. Lutz said that he had to cut back 1,000 gallons on it to lower the pressure to 60. He also pointed out that there is always a need for more workers, and that the City's workforce has been cross-trained so that they are knowledgeable in all areas.

E. Other Updates

Mr. Owen updated the committee on what the waste water plant had accomplished so far: new lab equipment ordered, upgrading the offices, VFD controls under new contract, and the sludge station in its final design stage. Also, the RBCs are being installed and he is pleased with how efficiently they are running.

F. Next Committee Meeting: No date was set for the next meeting.

G. Adjourn: There being no further business, Mr. Sykes made the motion to adjourn the meeting at 7:00 p.m.

S/_____
Mac Morrow
Mayor Pro Tem & Chair

Chiffon Hwang
Recording Secretary

Minutes Approved: 1/7/16