

Meeting Minutes
Cornelia Water & Sewerage Authority
2nd Quarterly report
July 27, 2021

The Cornelia Water & Sewerage Authority held its regularly scheduled meeting on July 27, 2021, at 10:00 am at the Water Plant located at 1439 Camp Creek Road. The following Authority members were in attendance, Mayor Borrow, Ernest Burns and Donald Anderson. Also, in attendance were City Engineers, Marty Boyd and Chase West and Jeremy Pirkle as well as the City's Utility Director, Keith Ethridge.

The first item on the agenda was approval of the minutes from April 27, 2021 John Borrow made the motion to approve the minutes as presented. Ernest Burns and Dee Anderson seconded the motion, and the vote was unanimous.

The next item on the agenda was the City Engineer updated the Authority on the water & sewerage project summary, the first item discussed was the Water Treatment Plant producing water as of November 30, 2020. Old WTP decommissioning. Update on the harmonic frequencies showed no indication of any problems. Ga Power installed a data logger on the transformer to see if we could determine if the issues are being created by dirty power. Settlement at influent pipe of Off-Stream impoundment Update but no indication of stability problems.

The HVAC units in the WTP building are cooling fine but not removing the humidity because we believe they are cycling on and off too quickly. Our mechanical engineer who designed the system is evaluating multiple options after coming on site to collect temperature and humidity readings.

The Hazel Creek Dam NO. 7/Camp Creek reservoir repairs. (GEFA No. WS12L18WR) These plans are to address deficiencies in Safe Dams letter dated 1/13/17. The Gate valve to be replaced and trash rack to be fixed after new reservoir goes online. Review comments received from Safe Dams on 1/11/2021 and we are preparing a draft response. C&S moving forward with geotechnical borings and sites analysis of emergency spillway. We are working with NRCS to see if they have any geotechnical borings in their files to try to save money. Once we get the geotechnical work done in August, we will be ready to submit the next report to Safe Dams in September.

Hazel Creek Stream Gauge Calibration is currently on hold but will re-submit new water withdrawal application once WTP punch list is complete. Working with Nutter & Associates to reevaluate the 7Q10 flow in Hazel Creek, which could increase its Safe Dependable Yield to 4.5MGD

Hazel Creek Raw Water Intake Dam is on hold for future project to upgrade and improve low-head dam, if needed.

Groundwater Well Exploration & Development is currently waiting in City to proceed with property negotiations/site selection for test wells and working on budget to prepare bid for drilling test well, and production well.

Marty spoke about the WWTP Expansion to 4.5 MGD and is working on funding with EDA, ARC and GEFA for a \$18.50 million project. Needs assessment and evaluation of WWTP for expansion to 4.5 MGD completed and Presented to City on April 17, 2021. GEFA awarded \$18.50 million in April 2021 for

CWSRF but no principal forgiveness. Project would include biological process upgrade and solar dryer to achieve 80-90% solids for sludge to limit effects of the 325% tipping fee increase by landfill.

Baldwin water & Sewerage System Assessment. A meeting with Cornelia and Baldwin was held in June to discuss Baldwin partnering with Cornelia on the WWTP upgrade and abandoning their WWTP. A cost estimate for their portion of work needs to be sent to Baldwin for review.

NPDES Permit Modifications. We have been in negotiations with EPD and the City of Gainesville to lease 2,000 lbs./year of phosphorous capacity to the City of Gainesville. If successful, City will accept a lower phosphorus limit now of 0.25 mg/L Concentration but annual loading of 1,425 lbs./year. Currently at 1.1 mg/L concentration but annual loading of 3.425 lbs./year.

Risk and Resiliency Assessment. We are assisting the city in efforts to complete the Assessment by June 30, 2021.

BC Grant townhomes Water/Sewer/Storm Observation. Construction on city utilities started in earnest on April 22, 2021. Sewer and Storm lines are in, and are about to begin on water construction

Discussed FY 2021 CBDG. Applied to replace aging infrastructure in the following area of Sunshine Circle, Oak Grove Court, and Galloway Court. Awards should be released in September. Grant would be \$750,000 and the total estimated project cost is \$1,300,000.

Also discussed 2021 Infrastructure Improvements Repair/Replace sewer, storm in the following areas: Hood St, Banks St, Hoyt St, Williams St, Red Fox Hollow, and Pine St. Construction Budget \$1,165,010. Bid date Tuesday, August 24th

GEFA Septic to Sewer Program Applied to install sewer to 118 homes in the following areas: Rose Cliff Drive, Ridgeway Circle, Valley Drive, Lakeview Heights. Approximately 30,000 GPD of additional flow Grant would be for \$3 Million and total estimated project cost is \$4.4 Million. Awards are expected in August. If awarded, a public education campaign would need to start to notify property owners and see how many would connect to see if the project is feasible.

Keith submitted the Utilities Quarterly Report. The Wastewater Plant treated 243.5 million gallons of sewerage. The Water treatment plant produced 249 million gallons of water. We recorded 10.53" Inches of rain and the reservoir is 3.8' above full pool. We repaired 5 water breaks and 17 sewer blocks.

As there were no further business to come before the board the meeting was adjourned at 10.56 am.