

BURNSVILLE TOWN COUNCIL
Special Meeting Workshop - Monday, January 10, 2022, 10am

On Monday, January 10, 2022, the Burnsville Town Council with Mayor Russell Fox, members Judy Buchanan, Denise Collier, Bill Wheeler and Randy Ollis present, held a special meeting at the Burnsville Town Center. Also in attendance were Town staff members Heather Hockaday, Shane Dale, Leslie Crowder, and Chad Fox; and visitor Jamie McMahan. Mayor Fox, who presided, called the special meeting to order at 10am and stated that the purpose of the meeting was to conduct a water and sewer project workshop.

Burnsville Town Manager Heather Hockaday led a discussion as the Burnsville Town Council was updated on the status of several wastewater and water projects.

Wastewater Projects

- Additional pump and connection to East Yancey Wastewater Treatment Plant - Efforts to gain sewer treatment capacity by connecting to the Micaville wastewater treatment plant are moving forward with funds from the State Revolving Fund. Mrs. Hockaday said that the change order for the additional pump has been approved but not for the 1000 feet of connecting line. The Pine Swamp WWTP averages between 500,000-600,000 gallons of sewage treated per day and is permitted to treat 800,000 gallons per day, but previous studies say that 64% of the material treated is inflow and infiltration. The deterioration of aging pipes along with some gutters and storm drains may still be tied into the sewer system causing water to be unnecessarily treated.
- West Main interceptor sewer line - The preliminary engineering report is being reviewed by DEQ. The engineers are working on locating the sections that are in the worst condition since the \$2 Million CDBG-I grant will not fund the entire section of pipe. Most sections will be updated with pipe bursting, a benefit since CDBG-I projects will not allow digging in a floodway.
- Sewer Plant Upgrades - Mrs. Hockaday reviewed several upgrades that it would take to modernize the Pine Swamp WWTP. Upgrades would include projects such as replacing or rehabbing the existing head works, blower, electrical system, and .5 tank.

Public Works Director Shane Dale discussed the advantages and disadvantages of changing the method of chemical feed and the safety issues associated with using 150lb chlorine cylinders.

Yancey County was awarded funds in the State budget to help fund some of the improvements and it is expected that \$3 million will be allocated to help upgrade the Pine Swamp plant.

- Bakers Creek pump station - Mr. Dale said that the Bakers Creek pump station needs to be replaced. Being older than other pumps it has begun to have problems over the last few years as it pushes more flow than it used to. There was also some explanation of how

material is pumped from Altec and Cane river schools.

- East Main Interceptor Line - Since large portions of the pipe are in the creek it is more difficult to obtain CDBG-I funds but State ARPA funds may be an option. Mrs. Hockaday said that the area may be a good opportunity for a stream restoration or greenway project.
- Other needs such as an update of the Capital Improvement plan and Asset Management plan, GIS mapping, and a future growth plan were discussed.
- Little Leaf Farms connection to East Yancey Sewer plant - Options for the collection system at Micaville were discussed. The Council and staff discussed what future growth may look like and how the Micaville area could be involved.

Water Projects

- Automated Meter upgrades - The annual installation and benefits of new automated meters was discussed. Mr. Dale said that several new meters were installed in the last year. He discussed several trends in water consumption and challenges the crews currently face. Mrs. Hockaday talked about how meters are a low priority when it comes to the awarding of grant funds.
- Water plant upgrades - Mrs. Hockaday gave background on a previous grant that had to be refocused on more pressing needs at the OMC pump station instead of its initial focus, the eq basin. The Town is currently working with engineers and DEQ to obtain funding for several repairs to the plant.
- Cane River raw water intake - Mrs. Hockaday said that there is a need to have a 10 inch raw water intake line as current lines are undersized. A larger line and updated pumps would save a tremendous amount in energy costs.
- Bolens Creek raw water line - Mr. Dale described the condition of the line saying it provides the best quality water but the line will not stay together long enough to run water through it. He said repairs to the line may not be cost effective due to inadequate flow from the creek. He felt that funds may be better spent on upgrades to the Cane River intake or access to another body of water.
- East and West Main Street water mains - Mrs. Hockaday said that estimates were around \$2 million to replace the 100 year old lines. She said that CDBG-I, if the program continues, could be a possible source of funds.
- Waterline extension to Little Leaf Farms - EDC Director Jamie McMahan expressed confidence that several grants will be funded to pay for the project.
- The Shepherds Way and Lincoln Park lift stations were mentioned as two projects that may need attention down the road.

- Mrs. Hockaday discussed projects that might be eligible for State ARPA funds. Mr. Dale mentioned a few areas that have undersized water lines and a need for fire hydrants.

2013 Inflow and Infiltration loan

- Paying off the first I&I project loan from 2013 was discussed. The loan funded the pipe lining of several sewer lines. \$430,000 is still owed on the loan with the Town paying \$48,000 in annual payments. Finance Officer Leslie Crowder said that paying off the loan would help to fund payments on the water plant upgrades.

Adjourn - With there being no further business, the meeting adjourned at 12:34pm.



J. Chad Fox, Town Clerk



T. Russell Fox, Mayor



WASTEWATER PROJECTS

Complete	In Progress	Critical Needs		
PROJECT	COST ESTIMATE	ACTUAL COST	FUNDING SOURCE	NOTES
.3 Treatment Train Rehab	\$495,000	\$525,588	Town's Savings	
Force Main	\$135,000	\$128,000	Debt Service- SRF	
Sormwater GIS Mapping				
OMC Pump Station	\$695,000	\$695,000	Debt Service- SRF	
Splitter box and connection to EY WWTP			Debt Service- SRF	Splitter Box change order submitted, line connection needs funding
West Main Interceptor Line to Sewer Plant	\$2,000,000	2,000,000	CDBG-I Grant	Grant awarded April 2021
Sewer Plant Upgrades	\$2.1 or \$4.7* Million		\$3 Million from State budget	*with chem. feed chge
Bakers Creek Pump Station	\$500,000		Possibly ARP	30+ years old
East Main Interceptor Line	\$2,000,000		TBD	Floodway and I&I issues,
Update CIP and Asset Mgmt Plan	\$10,000		Dogwood HT via County	Last update 2016
GIS Mapping of System	\$25,000		Dogwood HT via County	
Little Leaf Farms, Inc. Sewer Connection	75,000		ARC, EDA, Golden Leaf grant - submitted	
"Critical Needs" Projects Total		\$2,610,000		

WATER PROJECTS

Complete	In Progress	Critical Needs		
PROJECT	COST ESTIMATE	ACTUAL COST	FUNDING SOURCE	NOTES
Automated Meter upgrades	\$200,000		Possibly ARP	half of routes finished
Upgrades at Water Plant	\$1,364,000		Debt Service- SRF and Grant	Application approved, Prelim Engineering Report from McGill due 12/6
Cane River Raw Water Intake	\$750,000		TBD	
Raw Water Line from Bolens Creek/US 197 to Water Plant- 6 inch line to 10 inch line			TBD	
Replace East Main Water Main Line	\$2,000,000		TBD	
Replace West Main Water Main Line	\$2,000,000		TBD	
GIS Mapping of System	\$48,000		Dogwood Health Trust via County	
Water Line Extension to Little Leaf Farms/Quartz Corp.	\$1,500,000		ARC, EDA, GL Grants	Grants submitted
"Critical Needs" Projects Total \$7,662,000				
Shepherds Way Lift Station	\$25,000		TBD	Needs pump, SCADA, generator
Lincoln Park Lift Station				Needs pump, SCADA, generator