

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT**  
**May 18, 2022**

**1. Call to Order and Roll Call:**

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2:00 pm, Wednesday, May 18, 2022. Chairman Vehaun presided with the following members present: Ashley, Bryson, Dearth, Kelly, Lapsley, Manheimer, Pelly, Pennington, Pressley, Watts, Whitesides and Wisler. Franklin was absent.

Others present were William Clarke, General Counsel; Joe Martin with Woodfin Sanitary Water & Sewer District; Tom Hartye, Hunter Carson, Scott Powell, Ken Stines, Mike Stamey, Samuel Gettleman, Spencer Nay and Pam Nolan, MSD.

**2. Inquiry as to Conflict of Interest:**

Mr. VeHaun asked if there were any conflicts of interest with the agenda items. No conflicts were reported.

**3. Approval of Minutes of the April 20, 2022 Board Meeting:**

Mr. VeHaun asked if there were any changes to the Minutes of the April 20, 2022 Board Meeting. Mr. Kelly moved for approval of the minutes as presented. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

**4. Discussion and Adjustment of Agenda:**

None.

**5. Introduction of Guests:**

Mr. VeHaun welcomed Mr. Martin.

**6. Informal Discussion and Public Comment:**

None.

**7. Report of General Manager:**

Mr. Hartye reported that the proposed FY 2023 Preliminary Budget of \$59,852,098 was presented to the Finance Committee on May 3<sup>rd</sup> and will be presented today. The recommended sewer rate increase is 3.0% with no increase in fees. There is a wording change in the fee section for clarity concerning more complex connections when a contractor is involved.

Mr. Hartye reported that Mr. Lindquist of Point View Court called to express that he was very pleased with both the quick response and good job that Wayne Rice did in addressing the stoppage issue at his house.

The next Right of Way Committee Meeting will be held on May 25<sup>th</sup> at 9 am. The next regular Board Meeting will be held on June 15<sup>th</sup> at 2 pm which will be a Public Hearing and include the Final Budget.

**8. Report of Committees:**

**a. Personnel Committee – April 26, 2022**

Mrs. Bryson reported that the Personnel Committee met on April 26, 2022 and Mrs. Thomas gave a very good presentation on several areas. The average age of employees at MSD is 47. There has been a staff reduction from 167 in FY 2000 to 152 in FY 2022. MSD reassigns duties when possible, to keep staffing levels down. The turnover rate is 13.9% from July 2021 to present. The current rate for entry level positions is \$14.25 and after 6 months goes to \$15.00. Staff's recommendation is for a 7% annual wage increase COLA for employees starting July 1, 2022, a 6.5% increase for the Self-Insured Medical Plan, a 6.96% increase in State required contributions for the NC Retirement Plan and a 3.4% funding increase to implement pay & classification study recommendations. Mrs. Bryson stated that the wage adjustment is well deserved. Personnel Committee unanimously approved Staff's recommendation.

**b. CIP Committee – April 28, 2022**

Mr. Watts reported that the CIP Committee met on April 28, 2022 and had a fabulous presentation from Staff. The CIP Committee unanimously approved Staff's recommendation of Endorsement of the CIP Budget for FY 22-23 in the total amount of \$30,314,882.

**c. Finance Committee – May 3, 2022**

Mr. Kelly reported that the Finance Committee met on May 3, 2022 and also had a fabulous presentation by Staff. The Finance Committee unanimously approved Staff's recommendation to approve the proposed FY22-23 Budget and the proposed Schedule of Sewer Rates and Fees.

**9. Consolidated Motion Agenda:**

**a. Consideration of Developer Constructed Sewer Systems – Edgewood Road Subdivision; Enclave at Piney Mountain Phase I:**

Mr. Hartye reported that the Edgewood Road Subdivision project is located in Asheville and included extending approximately 754 linear feet of 8-inch public gravity sewer to serve 25 homes in this single-family residential development.

Mr. Hartye reported that the Enclave at Piney Mountain Phase I project is located in Buncombe County and included extending approximately 779 linear feet of 8-inch public gravity sewer to serve 211 units for this phase of the development.

Staff recommends acceptance of the aforementioned developer constructed sewer systems. All MSD requirements have been met.

**b. Cash Commitment Investment Report – Month ended March, 2022:**

Mr. Powell reported that Page 31 presents the makeup of the District's Investment Portfolio. There has been no significant change in the makeup of the portfolio from the prior month. Page 32 presents the MSD Investment Manager's report as of the month of March. The weighted average maturity of the investment portfolio is 76 days and the yield to maturity is 0.37%. Page 33 presents the MSD Analysis of Cash Receipts. Monthly and YTD Domestic and Industrial User Fees are considered reasonable based on timing of cash receipts in their respective fiscal periods. Facility and Tap Fees are above historical trends due to the timing of various cash receipts from developers as well as these fees being budgeted conservatively. Page 34 presents the District's Analysis of Expenditures. Monthly and YTD O&M expenditures are considered reasonable based on historical trends. Due to the nature of the variable rate bond market, Monthly and YTD expenditures can vary year to year. Based on current variable interest rates, debt service expenditures are considered reasonable. Due to nature and timing of capital projects, YTD expenditures can vary from year to year. Based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable. Page 35 presents the District's Variable Debt Service Report. The 2008A Series Bond is performing at budgeted expectations. As of the end of April, this issue has saved the District rate payers approximately \$7 million in debt service since April 2008.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Ashley moved; Mr. Watts seconded the motion. Roll call vote was as follows: 13 ayes, 0 nays.

**10. Consideration of Resolution Adopting the Preliminary Budget for FY22-23 and Schedule of Sewer Rates and Fees:**

Mr. Powell reported that the proposed budget for FY22-23 includes the Operation and Maintenance Budget at \$19.8 Million, Capital Equipment Replacement at \$.86 Million, Capital Improvement Program at \$30.31 Million and Debt Service at \$8.9 Million. Also included in the Operation and Maintenance Budget is an 8.3% increase in salaries and benefits for an impact of approximately \$1.2 Million. This includes Personnel Committee's recommendation to incorporate the \$426,000 in pay and classification study adjustment, 7.0% COLA salary adjustment and 6.5% increase in self-insurance funding. Also included is the GASB 45/75 OPEB funding and Unemployment Funding, as well as a 6.96% increase for State required Retirement contribution. Materials, Supplies and Services includes an 11.6% increase at a cost of \$975,282.00. This increase pertains to inflation, such as utilities and fuel as well as adjustments to address regulatory and operational needs including the High-Rate Primary Treatment process which will be coming online this year. Also included is Staff and CIP Committee's recommendation for \$30.31 million which includes a flat \$1 Million Contingency. Major CIP Projects for the upcoming year include \$5.2 Million for the Christian Creek Interceptor, \$3.1 Million for the French Broad Interceptor at Amboy Road, \$1.3 Million for the Caledonia Road Project and \$2.4 Million for the Equipment Storage Facility. Capital Equipment Replacement for FY22-23 includes Operations & Maintenance at

\$97,635.00, Fleet Replacement at \$491,000.00, Pump Station Replacement at \$56,200.00 and Wastewater Treatment Plant at \$231,000.00. Debt Service highlights include Principal at \$5.68 Million and Interest at \$3.22 Million. Proposed Expenditures are at \$59.8 Million. Mr. Powell then reviewed Revenue Highlights which are based on current trend data. There is an anticipated 0.75% growth in Revenue Accounts, 0.75% increase in Domestic Consumption, Facility and Tap Fee Revenue at \$3.2 Million and a 1.0% Rate of Return on Investments. The District maintains a Balanced Budget, therefore proposed revenues are also at \$59.8 Million. Domestic User Fees provide 63% of the revenue. Most other utilities revenue comes from Industrial or Heavy Commercial User Fees. This has been looked at very favorably by the District's credit rating agencies. MSD's Business Plan is a long-term (ten-year) plan that meets our Master Plan objectives, regulatory requirements, debt service requirements and coverage, liquidity requirements, includes cost increases for inflation, both CIP and Operational, and equalizes rates over the entire period. Roughly 49% of the 10-year CIP will be funded by debt and the other 51% with Pay As You Go money. The 10-year CIP will be made up of Interceptor/Wet Weather Projects at \$86.8 Million, Collection Rehabilitation at \$147.3 Million, Treatment Plant/Pump Station Projects at \$153.7 Million and Reimbursements at \$1.5 Million for a total of \$389.3 Million. From Consolidation through the end of FY 21 the District has invested \$460.7 Million. There is steady, slow growth in the business plan. System Development Fees are projected conservatively. Non-Recurring Revenue is recognized in the time period that it occurs. The biggest non-recurring revenue the District has at this time is Duke Power getting rid of their coal burning system. The District's Business Plan projects 3.0% rate increases for the next 5 years, and 3.5% rate increases for the following 5 years. A lot of this is due to the Capital Improvement Program and not having a rate increase in 2020. Staff and Finance Committee recommend no increase in Sewer System Development Fees and Sewer Connection Fees, a 3% increase in the Domestic Rate, which is a \$1.06 increase in the average single-family monthly bill. The average monthly bill will go from \$33.04 to \$34.10. Mr. Powell called for any questions.

Mr. Pelly asked why the Budget is impacted by Duke's transition from coal to natural gas? Mr. Powell explained that temporarily we are accepting their effluent that is used to decommission the coal plant. Whereas that has a significant increase in this fiscal period, as you can see our industrial revenue is going down a little, that is due in part to Duke's contract running out halfway through the next fiscal year. The District makes certain that our business plans will reflect and recognize all non-recurring revenue so that we are not budgeting opposite of non-recurring revenue. That could have an adverse impact on the rate increase. Mr. Hartye added that the fees that we are getting from them temporarily are significant this year but will be ending in the horizon soon so going forward it will not be relied upon. Mr. Ashley asked what we are treating for them. Mr. Hartye stated that it is a leachate from their facility. It used to be pumped directly into the French Broad River and now they pay us to treat it. Mr. Lapsley asked how much money was in fund balance. Mr. Powell stated unrestricted is roughly around \$67 Million. Mr. Lapsley asked how much was added to that fund balance based on the audit. Mr. Powell stated that when you are not taking into consideration the CIP, you are adding around \$20 Million plus every year. Mr. Hartye added that the District is spending both the cash received at \$20

Million plus another \$9 Million or so in debt for the CIP each year. As to that item for FY 21, we added \$4 Million to the unrestricted fund balance, taking into consideration what was spent. Mr. Lapsley asked about access funds that we receive during the year, rather than go into an account where we are accounting for that and spending it in the CIP Program. Mr. Powell stated that every year we have reimbursement resolutions, and you will see every year we use roughly \$13 Million in unrestricted reserves, when we issue said debt depending on the specific fiscal period, 95% of that debt goes back into unrestricted reserves due to those reimbursement resolutions so we are able to thin down our unrestricted reserves to invest in our system and when we issue debt that money goes right back into unrestricted reserves. This year is roughly year 5 from the last debt issue. We are projected to go out to the debt market in FY 2025 which is 6 years out. That is the longest we have been at the District as far as the need for funding sources and not using unrestricted reserves. Mr. Hartye stated that is due to growth and the development fees coming in. There were no further questions.

Mr. VeHaun called for a motion to approve the Resolution Adopting the Preliminary Budget and the Schedule of Sewer Rates and Fees for FY 22-23. Mr. Lapsley moved. Mr. Whitesides seconded the motion. Roll call vote was as follows: 13 Ayes; 0 Nays.

**11. Old Business:**

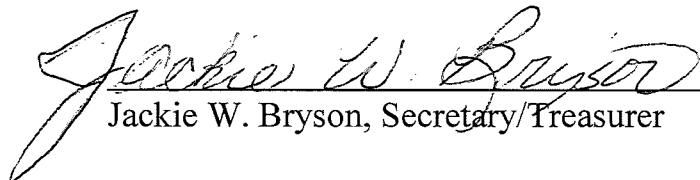
None.

**12. New Business:**

None.

**13. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at approximately 2:28 pm.

  
Jackie W. Bryson, Secretary/Treasurer

# MSD

## Regular Board Meeting

Metropolitan Sewerage District  
of Buncombe County, NC

### AGENDA FOR 5/18/2022

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. <a href="#">Approval of Minutes of the April 20, 2022 Board Meeting</a>	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda	VeHaun	2:15	
	04. Introduction of Guests	VeHaun	2:20	
	05. Informal Discussion and Public Comment	VeHaun	2:25	
	06. <a href="#">Report of General Manager</a>	Hartye	2:30	
	07. Report of Committees		2:35	
	a. <a href="#">Personnel Committee – April 26, 2022</a>	Bryson		
	b. <a href="#">CIP Committee – April 28, 2022</a>	Watts		
	c. <a href="#">Finance Committee – May 3, 2022</a>	Kelly		
	08. Consolidated Motion Agenda	Hartye	2:45	
	a. Consideration of Developer Constructed Sewer Systems – <a href="#">Edgewood Road Subdivision; Enclave at Piney Mountain Phase I</a>	Hartye		
	b. <a href="#">Cash Commitment/Investment Report-Month ended March, 2022</a>	Powell		
	09. <a href="#">Consideration of Resolution Adopting Preliminary Budget for FY 22-23 and Schedule of Sewer Rates and Fees</a>	Powell	2:55	
	10. Old Business	VeHaun	3:00	
	11. New Business:	VeHaun	3:05	
	12. Adjournment: (Next Meeting 6/15/22)	VeHaun	3:10	
	<a href="#">STATUS REPORTS</a>			

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**April 20, 2022**

**1. Call to Order and Roll Call:**

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2:00 pm Wednesday, April 20, 2022. Chairman Vebaun presided with the following members present: Ashley, Bryson, Dearth, Kelly, Lapsley, Manheimer, Pelly, Pennington, Pressley, Watts and Whitesides. Franklin and Wisler were absent.

Others present were William Clarke, General Counsel; Forrest Westall, PE, with McGill Associates; Patty Beaver with CIBO; Tom Hartye, Hunter Carson, Mike Stamey, Scott Powell, Ken Stines, Spencer Nay and Pam Nolan, MSD.

**2. Inquiry as to Conflict of Interest:**

Mr. VeHaun asked if there were any conflicts of interest with the agenda items. No conflicts were reported.

**3. Approval of Minutes of the March 16, 2022 Board Meeting:**

Mr. VeHaun asked if there were any changes to the Minutes of the March 16, 2022, Board Meeting. Mr. Watts moved for approval of the minutes as presented. Ms. Bryson seconded the motion. Voice vote in favor of the motion was unanimous.

**4. Discussion and Adjustment of Agenda:** None.

**5. Introduction of Guests:**

Mr. VeHaun welcomed Patty Beaver with CIBO.

**6. Informal Discussion and Public Comment:** None.

**7. Report of General Manager:**

Mr. Hartye reported that the CIP Meeting will be held next week but Mike Stamey, MSD's Construction Director and Hunter Carson, Engineering Director, will give a short update on MSD's ongoing construction. This current fiscal year budget for construction is \$30.6 Million while the current 10-year budget is \$353 Million. Next week that budget will be bumped up to \$384 Million.

Mike Stamey reported on collection system projects undertaken by MSD In-House crews, presenting slides of the locations and work. The White Oak Road Phase II Sewer Rehabilitation Project is located in Arden adjacent to Hendersonville Road and the Perry Lane Apartment Complex. Construction by MSD In-House Crews began March 4, 2022, includes a little over 1,100 linear feet of rehabilitation and is on-going. As of April 8, 2022, the project is 70% complete with over 800 feet of mainline sewer installed. The second project Mr. Stamey reported on was the Emergency River Crossing Replacement at Warren Wilson College. A leak was discovered in an 8-inch line crossing the Swannanoa River. This was discovered over the weekend and staff by-pass pumped until the pipe could be replaced. This work consisted of replacing approximately 155 linear feet across the river utilizing

conventional cofferdam construction. Mr. Stamey also reported that Staff completed a project on Lotus Place in North Asheville and participated in Evergreen Community Charter School Education Day. Kindergarteners were asked to find a job they were interested in, learn about it, and do a report. Aiwyn wanted to learn about pipes underground. Aiwyn and his Mom, Laurel Thompson came to the job site on Lotus Place where he observed a pipe being installed and a line being tv'd. This was a good experience for him and MSD Staff as well. Mr. Stamey then presented the current Status Report showing all in-house CIP Projects for this current fiscal year, showing completed projects, projects that are under construction and projects ready for construction. To date, MSD In-House Crews have completed 9,211 linear feet of rehabilitation and worked at 19 project sites. Mr. Stamey then reported on Contractor work with MSD's Inspections Group. West Crabapple Lane Sewer Rehabilitation Project is located in the Beaverdam Area of North Asheville. The estimated project cost is \$329,675.00. TP Howard's Plumbing Company, Inc. is the Contractor. This is their first project with MSD of this magnitude in the collection system and they have done a great job. The project consisted of 1,774 linear feet of 8-inch DIP and HDPE. The work began in December of 2021 and the project is wrapping up at this time. Another project was the Bryson Street Sewer Rehabilitation Project. This project is located in Biltmore and Terry Brothers Construction was the Contractor. The estimated cost was \$309,630.00 and included installing 500 linear feet of 8-inch DIP. The project started in August of 2021 and is complete with the exception of final pavement. The City of Asheville has a project to replace the waterline up this stretch, so MSD is working with the DOT and the City of Asheville for cost share paving once the City of Asheville's work is complete.

Hunter Carson reported that his construction update includes the French Broad River Water Reclamation Facility and the Carrier Bridge Pump Station. The first project is the High-Rate Primary Clarification Project. This project has been ongoing for about three years. The process removes solids and organics from the wastewater upstream of the RBC's (Rotating Biological Contactors). This is a High-Rate System and has a tight footprint. What makes that happen is the addition of various chemicals which promote fast settling of solids. The new system is designed to treat 80 mgd (million gallons per day). This is currently in the start-up phase and is a \$17.1 Million project. The Actiflo process was chosen and he presented slides showing the typical process. Wastewater enters the coagulation basin where alum (coagulant) and polymer are added. The wastewater particles bind together with the addition of the chemicals and form a "floc". Water then moves into the maturation basin where a sand ballast is added. The sand embeds itself into that floc creating a very dense particle which then settles out in the settling basin. He presented an aerial view of the various buildings, sand pumps, and a video of the process. Mr. Carson then reported on the Intermediate Clarifier Piping Replacement Project. The old pipe was installed in the late 1980's. In March of 2020 we experienced a pipe failure and as a result, shut down the clarifier system for about a day. The project was designed and managed by MSD. This project was completed approximately two months ago with a total project cost of \$206,000. Mr. Carson then reported on the Equipment Storage Facility. This is a replacement building for the Nutra-Lime Facility which was destroyed by fire in November of 2020. This building will be for storage of vehicles and various equipment. There will be two buildings. One will be an open-



air building to store trailers, various vehicles, pumps, etc. and there will be an enclosed portion as well. The Notice to Proceed was issued on March 28, 2022, to Cooper Construction. This is anticipated to be a one-year project with a cost of \$3.2 Million. The pre-engineered metal building is expected to arrive in July so by late Fall that building should be erected. The concrete slab that was underneath the old Nutra-Lime Facility, despite being exposed to fire, was in good condition so it will be reused. That saves quite a bit of money for the District. The new building will be on top of the existing footprint. Mr. Carson then reported on the RBC Slide Gate Replacement Project. There are many slide gates at the Treatment Plant. They move up and down and block flow from coming into the RBC Basins. These gates are critical if you have to shut basins down to dewater them for any operations and maintenance work. The existing aluminum gates are severely corroded due to the nature of the wastewater. They will be replaced with new stainless-steel gates. This project will be phased with the first phase beginning tomorrow. The total project cost is approximately \$680,000.00. It was designed and will also be managed by MSD In-House Engineering Staff. Mr. Carson then reported on the Incinerator Polymer System Replacement Project. The existing system is about 30 years old and in poor condition. Due to the nature of delivery times with equipment and material these days, the equipment for the project went out for bids in July 2021, and delivery is expected in several weeks. The total project cost is \$352,000.00. The project was designed by MSD In-House Engineering Staff and will be installed by MSD In-House Staff. Mr. Carson then reported on the French Broad Interceptor @ Amboy Road Project. This project is to replace 1,100 linear feet of existing 54-inch Reinforced Concrete Pipe. In January of 2021, MSD experienced a failure of some of the pipe downstream of the force main, which comes over from the Carrier Bridge Pump Station. There is a lot of turbulence when the force main enters the pipe, it suspends hydrogen sulfide, which then corrodes concrete pipe. This pipe will be replaced with RFP (Reinforced Fiberglass Pipe). Due to the long lead times, Staff would like to purchase the pipe now. This is an item on today's Consolidated Motion Agenda. Delivery of the pipe is expected in October and the project will then go immediately into construction to take advantage of the slower times on that portion of the greenway. The project cost is approximately \$3.8 Million. Mr. Carson passed around a sample of the RFP and a sample of the material that will be used for lining the manholes. Ms. Manheimer asked where the pipe will be going. Mr. Carson stated this is a dig and replace and is about 15-feet deep. He pointed out the location of the line on the map, which will run on the bank next to the river and stated that there will be by-pass pumps in place because the existing pipe has to be removed. Mr. Carson then reported on the Carrier Bridge Pump Station Replacement. This project is located across the river from the project just discussed. This is MSD's largest pump station, constructed in 1966. Carrier Bridge Pump Station serves South and West Buncombe County and North Henderson County. The existing station capacity is at 22 mgd and will be upsized to 40 mgd. The project is currently in design by HDR and construction is anticipated for the Fall of 2023 with a 2-year construction timeframe. The project cost is \$42 Million. This project is located adjacent to the old pump station and the French Broad River Park. Along with the new pump station there will be new inlet and outlet piping to and from the station. The 60-inch pipe will be a new inlet to feed the station and on the effluent side of the station there will be two 36-inch pressurized force mains that will come across the river. Staff has evaluated different ways to get across the river and is currently in the process of talking to the Army Corp of Engineers and Division of Environmental Quality about

an open cut across the river. Due to this project being in a heavily used area next to the park, this will be an enclosed pump station with a carbon scrubber odor control system. Staff is trying to get information on these last two projects out in front of the public now so there is signage on the greenway side and information on MSD's website. Ms. Manheimer stated that there are proposed pedestrian improvements for the existing Amboy Bridge and that it was too bad the pedestrian bridge didn't work out. Mr. Carson stated that the pedestrian bridge was evaluated and there were concerns from an operation and maintenance standpoint. The pipe would be buried but then you would have to get up onto a bridge which equates to about a 20-25-foot vertical rise in the pipe so there were concerns about debris, gravel, etc. settling in the pipe and not being able to get that out. The bridge was certainly heavily vetted, not saying it is totally out, but Staff is looking at the open cut option. The bridge would also add a significant cost as well, approximately \$2-\$3 Million extra. There was some further discussion regarding fencing, lighting, and other safety features. Mr. Pelly asked how they would open cut. Mr. Carson stated that there would be a coffer dam out into the river, basically a horseshoe to block half of the river, dewater and open cut. It is a typical dig and replace but it's not typical in the sense that you are in the middle of the river. Mr. Lapsley asked Mr. Carson to remind the Board how deep this station is. Mr. Hartye stated it is about 70-feet. Mr. Carson stated that they are trying to shallow that up because ultimately this station will be fed by a new gravity interceptor through the Biltmore Estate. We will have to come across the river upstream of Carrier Bridge now. We are also trying to open cut that section of pipe which will also in turn would shallow up Carrier Bridge Pump Station by about 20-feet. You are looking at 50-feet at a minimum or close to 70-feet depending on how we are able to cross the river. Mr. Hartye stated that this is the biggest project we have had, other than the Plant. Mr. Hartye thanked Mr. Stamey and Mr. Carson for the presentation.

Mr. Hartye reported that as part of developing the preliminary budget, the Personnel Committee will meet on April 26<sup>th</sup> at 9 am to consider Cost of Living/Merit pay and Benefit Allocations, including the Self-Funded Medical and Dental Program. The CIP Committee will meet on April 28<sup>th</sup> at 9:00 am to consider the Ten-Year Capital Improvement Program and the FY 2023 Construction Budget. The Finance Committee will meet on May 3<sup>rd</sup> at 9 am to consider a Preliminary Budget with an updated 10-year Business Plan which will incorporate the recommendations from the other Committees along with the proposed FY2023 Operating Budget and Sewer Rates.

Mr. Hartye reported that attached are 2 AC-T articles regarding MSD.

Mr. Hartye reported that the next regular Board Meeting will be held on May 18<sup>th</sup> at 2 pm. The next Right of Way Committee meeting will be held on May 25<sup>th</sup> at 9 am.

## **8. Consolidated Motion Agenda:**

### **a. Consideration of Bids for French Broad Interceptor @ Amboy Road Rehabilitation – 60-inch Pipe Purchase:**

Mr. Hartye reported that the French Broad Interceptor @ Amboy Road Project is for the pipe purchase that Mr. Carson went over in his presentation and consists of replacing approximately 1,100 linear feet of 48-inch and 54-inch RCP with new 60-inch corrosion-resistant pipe. Staff wanted to purchase this pipe last winter but due to supply chain issues and timing, could not get the pipe. Construction is planned for Winter of 2022/2023 when traffic will be slower on the greenway. On Thursday, March 31, 2022, three bids were received as follows: Fortiline Waterworks (PVC C900 Pipe) in the amount of \$913,922.46; Thompson Pipe Group Pressure, Inc. (FRP Pipe) in the amount of \$765,000.00; and Hobas Pipe USA (FRP Pipe) in the amount of \$571,880.00. The apparent low bidder is Hobas Pipe USA with a bid amount of \$571,880.00. There are funds in the FY 21-22 Construction Budget for this project. Staff recommends award of this contract to Hobas Pipe USA in the amount of \$571,880.00, subject to review and approval by District Counsel.

**b. ARPA Resolution – Candler Area Sewer Extension:**

Mr. Hartye reported that at the July 21, 2021 MSD Board meeting, this Board voted to endorse the Candler Area Sewer Extension Project and move forward with budgeting and resources contingent upon Buncombe County securing the required funding. Based on a preliminary estimate the project cost is approximately \$11.1 Million. According to MSD Policy, we will contribute about \$2.1 Million. On behalf of Buncombe County, MSD agreed to apply for American Rescue Plan Act (ARPA) grant monies from the State of North Carolina to lessen the County's financial obligation towards this project. The Spring ARPA application is due May 2, 2022 and requires each applicant to submit an executed Resolution by the Governing Body. The attached Resolution serves as a commitment by the applicant (MSD) to secure funding for all remaining costs of the project if loan and/or grant monies are awarded. Prior to acceptance of funds from the State of North Carolina, MSD will require Buncombe County to execute an agreement for all remaining funding and loan repayment as required by this resolution. Staff recommends the attached Resolution be adopted.

**c. Consideration of Developer Constructed Sewer Systems – Holbrook Road Ph. 2; Rice Mobile Home Park Off-Site; Rowhouse Development; Towne Place Suites:**

Mr. Hartye reported that the Holbrook Road Subdivision Phase 2 Project is located in Buncombe County and included extending approximately 670 linear feet of 8-inch public gravity sewer to serve the 17-unit homes for this phase of the development.

Mr. Hartye reported that the Rice Mobile Home Park Project included extending approximately 460 linear feet of 8-inch public gravity sewer to serve the 130 mobile homes.

Mr. Hartye reported that the Rowhouse Development Project is located along Broadway Street in the City of Asheville and included extending approximately 357 linear feet of 8-inch public gravity sewer and replacing approximately 166

linear feet of 8-inch public gravity sewer to serve the 20-townhomes associated with this development.

Mr. Hartye reported that the Towne Place Suites Project is located along Elm Street in the City of Asheville and included relocating approximately 399 linear feet of 8-inch public gravity sewer to serve the 83-room hotel.

Staff recommends acceptance of the aforementioned developer constructed sewer systems. All MSD requirements have been met.

**d. Cash Commitment Investment Report – Month ended February, 2022:**

Mr. Powell reported that Page 28 presents the makeup of the District's Investment Portfolio. There has been no change in the makeup of the portfolio from the prior month. Page 29 presents the MSD Investment Manager's report as of the month of February. The weighted average maturity of the investment portfolio is 67 days and the yield to maturity is 0.25%. Page 30 presents the MSD Analysis of Cash Receipts. Domestic User Fees are considered reasonable based on timing of cash receipts and historical trends. Industrial User Fees are considered reasonable taking into consideration a temporary increase in revenue from one industrial user. Facility and Tap Fees are above budgeted expectations due to receiving revenue from various developers. Page 31 presents the MSD Analysis of Expenditures. O&M, Debt Service, and Capital Project expenditures are considered reasonable based on historical trends and timing of cash expenditures. Page 32 presents the MSD Variable Debt Service Report. The 2008A Series Bond is performing at budgeted expectations. As of the end of March, both issues have saved the District rate payers approximately \$7.0 Million in debt service. There were no questions.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Pelly moved; Mr. Whitesides seconded the motion. Roll call vote was as follows: 12 ayes, 0 nays.

**9. Old Business:** None.

**10. New Business:** None.

**11. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at approximately 3:45 pm.

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Jackie W. Bryson, Secretary/Treasurer



## MEMORANDUM

TO: MSD Board  
FROM: Thomas E. Hartye, P.E., General Manager  
DATE: May 12, 2022  
SUBJECT: Report from the General Manager

- FY 2023 Preliminary Budget

The proposed FY 2023 Preliminary Budget of \$59,852,098 will be presented which includes \$30.3 Million in Construction along with a \$19.8 Million Operating Budget and \$8.9 Million in Debt payments. The proposed Sewer Rate increase is 3.0% with no increase in Fees.

- Kudos

- Mr. Lindquist of Point View Court called to express that he was very pleased with both the quick response and the good job that Wayne Rice did in addressing the stoppage issue at his house.

- Board/Committee Meetings/Events

The next Right of Way Committee meeting will be held on May 25<sup>th</sup> at 9am. The next Regular Board Meeting will be held on June 15<sup>th</sup> at 2 pm.

# PERSONNEL COMMITTEE MEETING

April 26, 2022

9:00 a.m.

## Call to Order

Jackie Bryson called the meeting to order at 9:00 a.m. Board Members attending Jackie Bryson, Doug Dearth, Al Whiteside. Also present were, Billy Clarke, Tom Hartye, Scott Powell, Pam Thomas and Meredith Troughton.

## Inquiry as to Conflict of Interest

Mrs. Bryson inquired but there were none noted at this time.

## MSD Staff Statistics

Mrs. Thomas presented the following information:

- Average years of age is 47
- 9 years of service
- Staff Reduction from 167 FY 2000 to 152 in FY2022
- Reengineer, reorganize, or reassign duties when possible to keep staffing levels down.
- Turnover rate is 13.9% from July 2021 to present

## Projected Health Care costs for MSD

Mrs. Thomas presented the following information:

- Medical & drug cost inflation trend for the south region  
6.5% for medical  
14-15% for drug
- Minimize cost through Prevention  
House calls  
Advent Advantage Meeting  
Wellness Activities and Wellness Newsletter  
Required physicals, flu shots  
Wellness Committee  
Workout & weight rooms and healthy activities

*Discussion: No Discussion*

## MSD Insurance changes Over Time

Mrs. Thomas presented the following information:

- Partnered with Advent Hospital to offer higher discounts that save the District and employees significant costs.

- Changed Pharmacy Benefits Manager (PBM) saved MSD over 20% of the current drug cost.
- Increased specialist and Urgent Care co-pays to \$40 and increase premiums by 6.5%.
- Partnered with Range Urgent Care to offer discounts that saved the District and employees significant costs.
- Pharmacy Overlay program for cost savings of \$67,000.

*Discussion: No Discussion*

## **Projected Health Care costs for MSD**

Mrs. Thomas made reference to Attachment 1 which showed the projected health care cost for MSD. This includes medical dental and drug cost. Same cost drivers are rising medical and drug inflation.

## **Salary Information**

Mrs. Thomas presented a slide that showed the past 12 years of the Consumer Price Index (CPI). She specifically referenced the following years:

- 2019 CPI was 2.16% and the district gave a 0% increase FY 2020-2021.
- 2020 CPI of 1.35% and the district gave a 3.5% increase FY 2021-2022.
- 2021 CPI 8.1% and the district is asking the board to approve a 7% increase FY 2022-2023.

Mrs. Thomas also presented the Personnel Board with a chart that showed the projected increase other municipalities, and the private sector was planning to give their employees this year.

*Discussion: No Discussion*

## **Pay and Classification Study**

Mrs. Thomas informed the Personnel Committee that the District had contracted with Piedmont Triad Regional Council (PTRC) to conduct a pay and classification study for the District. The last pay study that was conducted was back in 2015. PTRC surveyed several local government and public agencies.

PTRC reviewed and made the following recommendations:

- 25 benchmark positions
- 51 classifications were administered
- Pay grade range spread is 45.1%
- 2.5% differential between each pay grades
- Adjust the entry-level pay to a Living Wage of \$17.40 per hour
- Adjust for “Time in Position” to prevent salary compression
- Funding Requirement is \$426,016.00

*Discussion: Mr. Clark asked for clarification on salary compression. Mr. Hartye and Mrs. Thomas explained that if you raise the pay rate for entry you have to adjust for time in position so*

*that you don't have individuals who are in an entry position making more than seasoned industry veterans.*

*Mr. Clark asked for clarification on the 3.4% that the District was asking for. It was explained that 3.4% was the cost to implement the recommendations of the pay and class study \$426,016.00. This amount reflects the current market rate of what other employers are paying employees and the current living wage for the area. The 3.4% is independent of a cost-of-living increase (COLA). The amount would be wrapped into the overall operating budget for the next fiscal year. The 3.4% does not refer to a specific position as most of the lower-level positions received higher adjustments. Any rate increase recommendations will be based on many factors, but mainly on the capital improvement program.*

## **MSD Staff Recommendations**

At this time the District asked the Board to approve the following:

- 7% annual wage increase COLA for employees starting July 1, 2022
- 6.5% increase for the Self-Insured Medical Plan
- 6.96% increase in **State required** contributions for the NC Retirement Plan
- 3.4 % funding increase to implement pay & classification study recommendations

*Discussion: Mr. Dearth stated the information that was presented was standard for municipal industries this time of year. He felt that the recommendations were a very responsible and forward-thinking package and speaks well to the organization. Mr. Clark asked what our current rate is for entry levels. Mrs. Thomas explained current is \$14.25 and after 6 months goes to \$15.00. Mr. Powell spoke about the hiring crises that have arisen as a result of the pandemic and that everyone is currently looking for employees, especially entry levels. Mr. Clark asked what the impact of approving the recommendations before the committee would have on the sewer rates. Mr. Hartye explained that MSD uses a compound financial plan (10 years) and that they try to spread out any increase in rates over a number of years, so it does not hit sewer rates all at one time. In looking at the CIP and total overall MSD budget there is an anticipated increase of 3% if approved. Mr. Powell noted that there were no increases in 2020 to accommodate the changes in financial hardship that most of the county was experiencing at the time.*

## **Motion:**

A motion was made by Mr. Whiteside to accept the staff's recommendations.  
Second by Mr. Dearth.

Mrs. Bryson called for the vote. It was unanimous in favor of the motion.

## **Other**

Mrs. Bryson stated there was no other business at this time.

## **Adjourn**

With no further business, Mrs. Bryson called for a motion to adjourn, second by Mr. Whiteside. The meeting adjourned at 9:20 AM. No future meeting has been scheduled.



# **CAPITAL IMPROVEMENT PROGRAM COMMITTEE**

## **Minutes**

**April 28, 2022**

**9:00 a.m.**

The Capital Improvement Program Committee of the Metropolitan Sewerage District met on Thursday, April 28, 2022 at 9:00 AM in the MSD Administration Building. Chairman Bob Watts presided with the following MSD CIP Committee members present: Matt Ashley, Chris Pelly, Nathan Pennington; and the following Member Agencies representatives present: Harry Buckner with the Town of Biltmore Forest, Marcus Jones with Henderson County, Shannon Tuch with the Town of Woodfin and Joe Martin with Woodfin Sanitary Water and Sewer District.

Others present were Jerry VeHaun, MSD Board Chairman; William Clarke, General Counsel; Tom Hartye, Hunter Carson, Scott Powell, Ken Stines, Darin Prosser, Tim Hensley, Mike Stamey and Pam Nolan, MSD.

### **1. Call to Order**

Mr. Watts called the meeting to order at 9:00 a.m. and declared a quorum.

Mr. Hartye welcomed everyone. He explained that the CIP Committee was developed in the 1990's when the various lines were donated to MSD. There were sewer lines and annexation projects, etc. that were identified by the municipalities that MSD took responsibility for, and we all met to make sure that those responsibilities were being met. The CIP Committee meets annually to go over the projects for the next 10 years and to review the Budget for endorsement from the MSD Board. An important part of this meeting is coordination. MSD will show you where we will be over the next 10 years with all of the projects. Now is a good time to see what is going on in your areas and to share with your folks as far as water, paving, storm water, and that type of thing and see if there are any areas we can work together on. The first item on the Agenda will be Highlights of the Current and Proposed Capital Improvement Program and the second will be the Review of the 10-year CIP and getting an endorsement from this Committee. Mr. Hartye then turned the meeting over to Hunter Carson, Director of Engineering, for the highlights of the CIP Program.

### **2. Highlights of the Current and Proposed Capital Improvement Program**

Mr. Carson proceeded with a Power Point presentation beginning with a summary of the proposed CIP Budget for the coming fiscal year. He stated that if there are any questions, to please feel free to stop him and ask. The proposed budget for FY22-23 is \$30,314,882 Million. Approximately \$9.8 Million is allocated to General Sewer Rehabilitation, approximately \$9.4 Million is allocated to Interceptor and Wet Weather Rehabilitation, approximately \$590,000 to Reimbursement Projects, approximately \$6 Million to Treatment Plant and Pump Stations, approximately \$210,000 to Private Sewer Rehabilitation, and approximately \$3 Million to Design, ROW and Construction Management Expenses which includes salaries, benefits, fleet equipment, etc., associated with the Capital Improvement Program. Again, this year there is a flat Contingency of \$1 Million for any unknown projects for a total of \$30,314,882 Million.

Mr. Carson reported that MSD now serves approximately 201,000 customers across Buncombe and Henderson County with about 57,000 customer accounts and we serve about 260 square miles reaching as far East as Ridgecrest, to the North up to Weaverville, to the West to Enka-Candler and to the South into Northern Henderson County which is the former Cane Creek

Water and Sewer District. MSD maintains about 1,100 miles of sewer lines, over 33,000 manholes and 40 pump stations. So how does this wastewater get to the plant? Out of the approximately 1,100 miles of sewer line, approximately 230 miles of that is small diameter line of 6-inches or less, and there are some 4-inch lines in the system. Approximately 800 miles is 8-inch to 21-inch in diameter and approximately 80 miles are large interceptors that range from 24-inch to the 66-inch which feeds the wastewater treatment plant. A lot of the infrastructure was built in the 1920's and 1930s so we are always in a state of rehabilitation.

MSD maintains an aggressive CIP Program thanks to the CIP Committee and MSD Board. We do try to rehabilitate approximately 40,000 LF of sewer line each year with about 20,000 LF of that being performed by System Services in-house crews. The other 20,000 LF is contracted out. In addition to rehabilitating about 20,000 LF per year, the in-house crews perform the majority of new taps as well as emergency repairs. During consolidation, MSD inherited approximately 900 miles of collector lines across the County. From Consolidation in 1990 to present, approximately 1.33 million LF of pipe has been replaced, which equates to about 250 miles, or 28% of the system inherited during consolidation. This means that MSD has rehabilitated approximately 1% of its collection system each year. Mr. Carson presented a graph of sanitary sewer overflows over the last 30 years and stated that closer to the beginning of consolidation there were upwards of 300 SSO's. Due to the major investments that we have placed into the system over the last 30 years, that number has been drastically reduced, with there being only 11 SSO's last year. CIP Projects are prioritized and scheduled according to their pipe ratings. The pipe rating program includes the following aspects: SSO and overflow history, customer service requests, proximity to streams and waterways, structural condition, and monitoring schedule by MSD Staff. Mr. Carson asked if anyone knew the difference between an overflow and SSO? A manhole overflow is when wastewater escapes the system and spills on the ground. The overflow becomes reportable when it exceeds 1000 gallons. An SSO is when wastewater escapes the system and makes its way to a waterbody. These aspects all go into a matrix, and we look at the likelihood of failure versus the consequences of failure. An example would be if we have a sewer line next to a body of water and have a failure in that sewer line. The consequence of that failure is going to be an SSO. If a pipe is in poor structural condition, the likelihood of failure is high. Both of these situations will result in a higher pipe rating value. The projects are then prioritized based on that number. Mr. Carson presented a graph showing the 10-year CIP Projects prioritized by pipe rating with the projects at the top being the most problematic and to be constructed in the first few years of the 10-year CIP. Whereas the projects with lower pipe rating will be constructed in the latter years.

Mr. Carson presented maps and pictures of In-house Rehabilitation Projects completed this fiscal year. There are a total of 22 projects for this fiscal year, 16 of those have been completed to date. Oakley Elementary School Sanitary Sewer Rehabilitation is located in East Asheville and consisted of installation of about 70 LF of 8" DIP. This project required coordination with the Buncombe County School System since it did require crossing their parking lot and was performed over their Spring Break. The Coleman Avenue at Conestee Street Project is located in North Asheville next to Merrimon Avenue and consisted of replacing approximately 1,500 LF of 8-inch DIP and was completed in November of 2021. The Briarwood at West Fox Chase Road Project is located in Weaverville next to New Stock Road and consisted of replacing approximately 300 LF of 8" DIP. This project was completed in January of 2022. The White Oak Road Phase II project is located in Arden next to the Perry Lane Apartment Complex and consisted of replacing approximately 1,100 LF of 8-inch DIP. The Emergency River Crossing at

Warren Wilson College Project consisted of replacing approximately 150 LF of 8-inch DIP across the Swannanoa River. Mr. Carson stated that he wanted to highlight the response time on this project because he felt it was fantastic. On Saturday, January 22 at 4:30 a call came in that there was a line break in the Swannanoa River. In less than 3 hours, MSD had a crew on-site, had the line plugged and by-pass pumps in place so we were taking all of the flow off of the line and out of the river. The following Monday by 8 am there was a construction crew mobilized and the pipe was totally replaced by the end of the week. Mr. Martin asked how they knew the pipe was broken? Mr. Stines stated that the College called and said the river was a little murky looking. The College also called DEQ, and they went to the site. Mr. Carson then presented a list of In-house Rehabilitation projects upcoming this fiscal year. There are 22 planned projects and about 16,000 LF of mainline sewer to be completed this fiscal year.

Mr. Carson then presented maps and construction pictures of rehabilitation projects contracted out over this past fiscal year. The Springside Road at Overlook Road Project consisted of replacing about 3,900 LF of 6-inch and 8-inch VCP that was in poor condition. A portion of this line runs adjacent to the creek and had a history of SSO's. A lot of this project runs through the TC Roberson High School Campus. MSD partnered with Buncombe County School System as they needed some stormwater piping replaced. Huntley Construction Company was awarded the contract in the amount of \$781,000. They are still working on this project and hope to be complete in the next couple of months. After Huntley finishes this project, they will shift over and perform stormwater replacement for the school. The Bryson Street Project consisted of replacing approximately 611 LF of existing 4-inch Orangeburg and PVC, 110 LF of this was performed with the Bore & Jack method. The line was in poor condition with multiple sags and backups into businesses. The NCDOT required this work to be performed at night since this is a busy road. The project was completed by Terry Brothers Construction for \$309,000. This is a cost share project with the City of Asheville. During MSD's portion of the project the City had a 12-inch water line that they had problems with close to the building and they are now in the process of replacing it. However, due to lead times we are seeing in the industry, the 12-inch DIP they need to replace it with is 4-5 months out. Once the City is done with their dig-up, they will pave the entire road and MSD will reimburse them for half. West Crabapple Lane is located in the Beaverdam area of North Asheville and consisted of replacing approximately 1,774 LF of 8-inch VCP that was in poor structural condition and had root problems. 1,280 LF of this project was performed by pipe bursting. This project was completed by TP Howard's Plumbing Company in the amount of \$329,000. Mr. Carson presented slides and explained the pipe bursting process. Mr. Martin asked if debris ever poked a hole through the HDPE when it was being pulled through. Mr. Carson answered that he had never experienced that and stated that the bursting head is a bigger diameter than the pipe itself, so it displaces the old pipe. Mr. Stamey stated that he had never seen that but if so, they would go back and replace as part of the project. There was further discussion regarding the thickness of the walls of the pipe. Mr. Ashley asked how the initial cable is pulled through? Mr. Stines stated they would typically run a flusher truck hose or float a bottle or string through it, and they will hook onto that and pull the cable back. Mr. Ashley asked how many feet of cable you can max out at a time. Mr. Stines stated that the code calls for manholes to be no more than 400-feet apart or have the ability to clean from manhole to manhole. MSD trucks have about 600-feet of hose on them but 300-feet to 350-feet is typically what the engineer wants to do. MSD can do up to 600-feet and still be within our permit but typically do not. Mr. Carson stated that from a constructability standpoint it is limited by the winching capability. Mr. Martin asked if you ever get into a situation where the

pipe is laid on solid rock on the floor and there is no place to displace it on the bottom. Mr. Carson stated that he personally had not, and he thought you would have more upward heaving/expansion. Mr. Carson also presented slides showing numerous buried power and communication cables everywhere on this project. The Mountainbrook at Chunns Cove Road Project is located in East Asheville and consisted of replacing approximately 3,204 LF of 6-inch VCP that was in poor structural condition and difficult to access and maintain. Approximately 491 LF of this project was pipe bursting. Darin Prosser, MSD's Engineer for this project, relocated portions of this line from the backs of homes to the public right-of-way to improve access and public maintenance. This project was completed by Terry Brothers Construction for \$885,000. Mr. Carson stated that Terry Brothers always does a nice job. He further reported that MSD spent about \$1.6 Million on paving in FY20-21.

Mr. Carson then presented maps and pictures of contracted projects to be completed in FY22-23 and beyond. The Aurora Drive Project is located in Kenilworth, just west of Tunnel Road and consists of replacing 2,300 LF of 6-inch VCP. Total project cost is estimated at \$1.1 Million. The Bent Tree Road Project is located in North Asheville and consists of replacing 1,654 LF of 6-inch VCP. Total project cost is estimated at \$864,000. The Caledonia Road Project is located west of the Kenilworth Inn and consists of replacing 2,126 LF of 6-inch VCP. Total project cost is estimated at \$1.35 Million. The Le An Hurst Road Project is located in South Asheville, east of Biltmore Forest and consists of replacing 820 LF of 8-inch VCP. Total project cost is estimated at \$393,000. The Toxaway Street Project is located in Asheville, west of New Belgium Brewery, and consists of replacing 811 LF of 6-inch VCP. Total project cost is estimated at \$416,000. The Christian Creek Interceptor project is located in East Asheville, parallel to US 70 and consists of replacing 12,226 LF of 8" VCP which is undersized and in poor condition with numerous SSO's. This project has been bid and Notice to Proceed was issued on March 14, 2022 to Buckeye Bridge Construction. Due to the length of the pipe and long lead times that are being experienced with equipment and materials these days, they are still awaiting some of the large diameter DIP. This project will be constructed over 2 fiscal years. The total project cost is \$6.2 Million.

The French Broad Interceptor @ Amboy Road Project is located at the intersection of Lyman Street and the Amboy Road bridge. The project consists of replacing 1,100 LF of 48" and 54" Reinforced Concrete Pipe with a new 60-inch corrosion proof pipe (FRP). Due to the lead time the pipe was pre-ordered. Delivery is expected in October/November timeframe and construction will begin immediately with a duration of approximately 6 months. The total estimated project cost is \$3.2 Million. Mr. Carson also presented various pictures of a sinkhole in the project area and explained the situation. A sinkhole developed over the line in January of 2021 and a contractor was brought in the next morning to excavate down over the pipe. They shored up around the pipe for safety and noticed a partial blockage in the line. They excavated into the pipe and removed a section of the 54" pipe that had collapsed and was creating the blockage. In the pictures you can see the collapsed portion and the steel reinforcing cage of the reinforced concrete pipe. This pipe was originally constructed in the 1960's. The original wall thickness was over 5" while the piece recovered from the pipe was about 2" thick. A fence has been installed around the area for protection since the greenway there is so widely used. There is also signage to notify the public not to enter and letting them know the replacement will be coming. Mr. Martin asked what does MSD do to the pipe in the meantime? Mr. Carson stated that the trench box is still in place and there is another half of a trench box covering the top so

There is basically a 3-sided box over it and then it is backfilled. Mr. Stines added that Staff is checking on the site 3 times a week. Mr. Carson stated the 60-inch HOBAS that will be used for replacement is Fiberglass-Reinforced Pipe (FRP) which he passed around a sample of. Mr. Carson presented a map which further explained the project.

The Weaverville Pump Station Replacement Project is also coming up in FY22-23. The Weaverville Pump Station serves areas of the District north of the Water Reclamation Facility. This pump station serves all of Weaverville and the Reems Creek Valley. It was constructed in early 1980 with two capacity upgrades since that time. The footprint and existing wet well is insufficient for the upgrade that is necessary. This pump station is currently a 2.8 MGD station and is under capacity. It will be replaced with a new 5.0 MGD station which MSD estimates will accommodate growth through 2070. In addition, approximately 19,000 LF of 24-inch force main will be replaced. The total project budget is estimated at \$13.7 Million. This station will be designed to pump directly to the plant which is not how it performs now. There is a Pump Station 1 which pumps to Pump Station 2 and then to the plant. Pump Station 2 does gather inflow from Craggy Prison, the Emergency Training Facility and a neighborhood in the vicinity so there needs to be a pump station there but it will be much smaller, basically a residential pump station as opposed to a large booster station. The project is currently in design by CDM Smith and they hope to wrap up design in this coming Fiscal Year with construction the following 2 years.

The Carrier Bridge Pump Station is MSD's largest pump station with a current capacity of 22 MGD. It is located across the river from the French Broad Interceptor Project. This pump station serves southern and western Buncombe County and portions of northern Henderson County. The original station was constructed in the 1960's and upgraded multiple times and the footprint does not allow the upgrade that is required. This station will be replaced with a 40 MGD station to accommodate 50-year growth projections. Total project cost is estimated at \$42 Million. HDR, the Design Consultant, hopes to wrap up the design over the next 1-1 ½ years. Construction is anticipated to begin in Fall of 2023. The current pump station is located adjacent to the French Broad River Park. The new pump station will be located on a parcel next to the existing pump station on a parcel that MSD purchased from Duke Energy several years ago. This pump station will also have new inlet piping and outlet piping from the structure. Along with the station will be 800 LF of new 60-inch inlet piping to feed the station, and coming out of the station, two (2) 36-inch pressurized discharge force mains that will cross over the French Broad River and tie into the new 60-inch FRP. Staff has looked at several options regarding how to get across the river and we are currently exploring an open cut method. We are in the process of submitting to DEQ and the Army Corp of Engineers for that approval. That would utilize a u-shaped coffer dam and dam up half of the river, allowing half of the pipe to be installed at a time. The u-shaped coffer dam is then flipped over, and you complete the installation of the pipe. Since this project is located close to the French Broad River Park, odor control is a concern so the pump station will be totally enclosed and will have a carbon odor control scrubber system. Mr. Carson then presented examples of cofferdams. Mr. Martin asked what would happen if there were a big flood event? Mr. Carson stated that this one would be intentionally designed to flood. We didn't want it high enough that in a big rain event it would flood Carrier Park and the French Broad River Park. This will be roughly 12-feet high so in major storm events it would be designed to overtop. There is a lot of work to come back and de-water but better than flooding the parks. Mr. Martin asked if the contractor would need to have a heads up to keep an eye on the weather to move their equipment out? Mr. Carson stated yes.

The Swannanoa Equalization Tank (EQ tank) is another important project which will provide temporary storage during and after wet weather conditions. This tank will draw off water from the Swannanoa Interceptor to mitigate and alleviate surcharges in the collection system as well as surges into the treatment plant. Not only will it reduce SSO's in the system, but it will also stabilize flow coming into the plant and improve treatment efficiency and quality at the plant. This tank has to be located along the Swannanoa River and three sites are currently being evaluated. This project is still a number of years out. However, in next year's budget there is money set aside to purchase one of those three parcels. Mr. Martin asked if that water still had to be treated. Mr. Carson stated yes. It will be a combination of wastewater and stormwater (the stormwater from Infiltration and Inflow (I&I) during storm events) and there is no way to separate it. Storage volume is expected to be approximately 8 million gallons, so this is a large tank. Total project budget is estimated at \$26.7 Million.

Mr. Carson then presented a snapshot of the Collection System Projects, both in-house and contracted, in the Ten-Year Capital Program showing over 100 projects in all the various phases. Ms. Tuch asked how much of MSD's work is contracted or in-house? Mr. Carson stated it is about 50/50. Roughly 20,000 LF is with in-house forces and the other 20,000 LF is contracted.

Mr. Carson then reported on projects ongoing or completed this past year at the Water Reclamation Facility. The plant is permitted for 40 mgd but on an average day we treat about 23 mgd. MSD's system is considered an "attached growth" system. Microorganisms grow on the surface of the Rotating Biological Contactors (RBC's). Each RBC is about 20-feet long and 10-feet in diameter and roughly 40% of each RBC is always submerged in the wastewater. As the RBC's rotate through the wastewater it collects a biomass with microorganisms on it. We are doing what nature would take care of if the wastewater were dumped in the river. It would eventually clean itself, but it would take a much longer period of time. Each of these RBC's have about 4 acres of surface area on them and we have 152 of them.

The High-Rate Primary Treatment is a clarification process that will remove solids and organics from those solids upstream of the RBCs. The difference in the "high rate" system versus a typical clarification system is that it does utilize chemicals, both a coagulant and a polymer, which promote rapid settling and also allows us to put this clarification process in a much smaller footprint. It is designed to treat just over 80 mgd and is currently in the start-up phase. The total estimated project cost is \$17.1 Million. Mr. Carson stated that Actiflo by Veolia was chosen, and he presented slides and explained the process. Mr. Martin asked if the solids were incinerated and if so, what effect does the added alum have on the permit. Mr. Martin stated that was an issue when Woodfin Sanitary Water & Sewer brought drinking water solids for disposal at the MSD treatment plant. Mr. Carson stated that he didn't think MSD was adding as high of a concentration or had the amount of solids that they were having. He stated that the MSD consultant did consider that during design. There have not been any residual effects seen at the incinerator yet. Mr. Martin asked if anyone had a figure on how much the ratio is compared to how much they (Woodfin Water & Sewer) treat? He stated that it had been an issue trying to get rid of their sludge since the time that MSD quit taking it. He asked if the concentrations were the same how would that make any difference in the incineration process. Mr. Carson stated that MSD had been routinely taking samples, but he couldn't speak to what those levels had been, just that they had not been problematic to date. Mr. Hartye stated that there was a

big difference in concentration levels. This dosage can be controlled at the treatment plant, and it is a much lower dosage, around 20-25 parts per million. It would be like comparing an apple to an orange.

The Clarifier Piping Replacement project is to replace a piping system that was originally installed in 1988 and was in poor condition. There was a pipe failure In March of 2020 that shut down the clarifier system. This was rehabilitated temporarily and several months ago the replacement of all of the piping in the Intermediate Clarifier was completed. The total project cost was \$206,000.

The Equipment Storage Facility Project is to replace the old Nutri-Lime Building that burned in November 2020. This facility will be a new Pre-engineered Metal Building with interior/exterior lighting, security features, fire protection and alarm systems. The Notice to Proceed has been issued to the Contractor so it is underway. Construction is anticipated to be complete in about a year. The total estimated project budget is \$3.2 Million. Mr. Carson presented various slides and explained more about the future facility.

The RBC Slide Gate Replacement Project consists of replacing the aluminum slide gates at the influent and effluent side of the RBC basins. These gates are severely corroded. Functional gates are critical to operation and maintenance of the biological system as they allow isolation of the basins to dewater them for maintenance purposes. These gates are being replaced with stainless steel gates. This is a phased project with Phase I just beginning and consists of approximately half of the gates. The total estimated project budget is \$686,000.

Mr. Carson then reported on the Incinerator Polymer System Replacement. Polymer is added to the sludge prior to being dewatered. This helps bind the sludge together as it goes through the belt filter presses, allowing better dewatering before it goes into the incinerator. The existing polymer system is about 30 years old and is in poor condition. Due to the long equipment lead times the equipment was ordered in July 2021 and it is to arrive in approximately 3 weeks. This system was designed In-house and will be installed In-house. It will take a variety of disciplines from here at MSD such as mechanical, electrical, building trades group to demo and pour new concrete pads, and our SCADA professionals. There was some discussion regarding how the total process works. The existing system will be demolished and new pump skids will be installed along with a new polymer blending tank and batch tank, a new feeder and new control panels. The total project budget is \$352,000.

The Incinerator Heat Exchanger Replacement project consists of installation of a new unit and removal and refurbishment of the existing heat exchanger which is showing signs of internal corrosion. He explained how the units work and that they have a life expectancy of 5-8 years. The current unit is 7 years old, so it does need to be replaced. These units have a very long lead time. In 2015 when the unit was replaced, we were looking at about 9 months and this time we are assuming at least 1 year to get this new unit. While the majority of the expenditures are 2 fiscal years away, we do need to place the order this coming fiscal year and we anticipate installation the following fiscal year. The total estimated project cost is \$1.8 Million.

Mr. Carson then reported on the Biological Treatment Replacement which is a future project. In 2018, MSD received its current National Pollutant Discharge Elimination System (NPDES) permit which allows discharge of effluent to the French Broad River. That permit requires compliance with ammonia limits by October 2030, which we do not currently have. The RBCs

are 34 years old, are well over their service life, and cannot meet proposed summer target levels quoted in the NPDES Permit. The District intends to perform an Alternatives Evaluation to look at new technology and what would best suit the plant, then Design and then Construction which should be complete and get us into compliance right before the October 2030 deadline. The total estimated project budget is \$70 Million.

Mr. Carson reported that over the past 20 years approximately \$66 Million has been spent at the Water Reclamation Facility. Over the next 10 years MSD intends to spend approximately \$81 Million with the majority of that coming from the Biological Treatment Replacement

Mr. Carson then reviewed the financial aspects of the Capital Improvement Program. He stated that the total budgeted revenue for FY22 is approximately \$59.5 Million, with the majority coming from user fees, facility and tap fees, and other sources such as bonds. MSD operates a balanced budget, so expenditures are also estimated at approximately \$59.5 Million, with about two-thirds of the budget being project related. The total expenditures over the next 10 years are at approximately \$390 Million. Since consolidation, roughly 30 years ago, MSD has spent about \$460 Million on capital improvements.

Mr. Jones asked, given the current construction industry, how does MSD manage to stay at a \$1 Million contingency. Mr. Carson stated that all collection system jobs are budgeted based on average bid prices received during the previous fiscal year which provides a close estimate. An inflationary factor is calculated using Engineering News Record's construction cost index and is applied to years 2-10 in the 10-yr CIP. This year we applied a 2.96% factor for years 2-10. Mr. Jones asked if there was contingency built into each project or is that overall. Mr. Carson stated that was overall. Mr. Jones stated that having a 3% contingency was really strong. Mr. Pelly stated that historically rate increases have averaged about 2.5% per year and based on what is being proposed today, can we stay within that percentage. Mr. Hartye stated that a couple of years ago, due to COVID, there was a 0% increase with future projections at 2.5% and 2.75% going forward. This year, with both the CIP and all of the other things going on with personnel recommendation where we had a pay class study, and the inflationary increase for COLA, all that being said, we are looking at about a 3% increase, only going up 0.25%.

There were no further comments or questions.

### 3. Capital Improvement Program Priorities & Review of the Ten-Year CIP Document

Mr. Carson presented the Ten-Year CIP Summary document and stated that there are 83 projects and line items in these seven areas. The entire document may be found on-line, including information on each project and a map. He stated that project estimates are based upon actual bid prices received over the last calendar year. Staff is proposing \$9,380,715 for Interceptor and Wet Weather projects; \$9,889,001 for General Sewer Rehabilitation projects; \$210,250 for Private Sewer Rehabilitation; and \$6,148,362 for Treatment Plant, Pump Stations and General Capital Improvements. The total amount projected for Design, Right of Way and Construction Management Expenses for next year is \$3,096,554. The subtotal for the proposed budget for FY22-23 is \$28,724,882. A flat contingency of \$1,000,000 is proposed. Reimbursement funding of \$590,000 is recommended. This brings the total proposed CIP Budget for FY22-23 to \$30,314,882 and is the amount for which staff is seeking the Committee's endorsement for the proposed FY22-23 program.



Mr. Watts called for a motion. Mr. Martin moved to approve Staff's recommendation of Endorsement of the CIP Budget for FY22-23 in the total amount of \$30,314,882. Mr. Pelly seconded. Voice vote was unanimous.

Mr. Carson thanked the Engineers and Project Managers for helping out with the Budget and Projects on a daily basis; Angel Banks, Right of Way Manager; Cheryl Rice for helping put the whole document together; Pam Nolan for keeping him on track this budget year; and Daniel Marsh for helping provide the maps for the budget.

There was no further business or discussion. The meeting was adjourned at 10:26 a.m.

# Finance Committee Minutes

## May 3, 2022

### Call to Order

The Finance Committee of the Metropolitan Sewerage District met in the Boardroom of the Administration Building on Monday, May 3, 2022. Chairman Kelly presided and called the meeting to order at 9:00 am with the following members present; Al Whitesides, Jackie Bryson, Gwen Wisler, and Esther Manheimer.

Others present were Jerry Vebaun, Board Chair; Thomas Hartye, General Manager; Billy Clarke, Board Legal Counsel; and Scott Powell, Director of Finance.

### 1. Third Quarter Budget to Actual Review

Scott Powell started with a PowerPoint presentation of the Third Quarter Budget to Actual. Both domestic revenue and industrial revenue are slightly above budgeted expectations. Facility Fees are higher due to receiving unanticipated revenue from various developers. Operation and Maintenance expenditures and Capital Projects expenditures are below budgeted expectations due to vacant positions and delays caused by supply chain issues. Year-end projections are in line or better than budget expectations for domestic, industrial revenue, and facility fees. Operation and Maintenance expenditures will be in line or slightly below budget. CIP expenditures will be lower than budget due to project delays that will be re-budgeted in the upcoming fiscal year.

### 2. FY2023 Proposed Budget

Mr. Powell continued with highlights of the FY2023 Proposed Budget. The Operations and Maintenance budget is \$19.76 million, CIP \$30.31 million, Capital Equipment Replacement \$0.88 million, and Debt Service \$8.90 million for a total of \$59.85 million.

Operations & Maintenance budget includes an 8.3% increase in salaries and benefits with a total budget impact of \$1,248,146. \$426,000 is attributed to the results of a pay and class study that was completed this year. Entry level positions will now start at \$17.40 hourly. The budget also includes a 7% salary increase for all employees, a 6.5% increase in self-insurance funding, GASB 75 OPEB funding, unemployment compensation funding, and a state mandated increase in North Carolina Retirement funding of 6.96%. Materials, Supplies, and Services include a 11.6% increase of \$975,282. The increase is to address regulatory and operational needs, including the newly constructed High-Rate Primary Treatment project process, and increased cost of materials. Ms. Manheimer inquired as to if an employee could receive more than a COLA increase due to the pay and classification study. Mr. Powell confirmed that some employees could see a proposed increase due to the pay and classification study as well as the proposed 7% COLA; Mr. Hartye added that most positions seeing more than 7% would be on the lower end of the pay scale. Ms. Manheimer raised a question to Mr. Whitesides as to Buncombe County's compensation proposal for FY2023. Mr. Whiteside confirmed that the County has also done a

# Finance Committee Minutes

## May 3, 2022

pay study, resulting in salary adjustments, along with a COLA and potential for other increases. Ms. Manheimer notes that the City of Asheville is proposing 4% COLA. Ms. Wisler noted that the local living wage is \$17.70. Mr. Powell responded that the pay with the benefits package is equitable due to the quality of the insurance plan. Ms. Wisler inquired as to the current entry level pay. Mr. Powell stated the current entry level pay is \$14.25. Ms. Wisler inquired if salaries are being adjusted also to combat salary compression issues that can arise from increasing the entry level positions. Mr. Powell and Mr. Hartye made comments that yes, other salaries will see increases to avoid compression issues, but most of the adjustments are in lower-level salaries. Mr. Whitesides commended the District for the ability keep the self-insurance funding low. Mr. Powell notes that medical inflation in our region is about 7%; over 14% for prescription drug costs. The proposed funding impact is over \$150,000 on the budget. Mr. Hartye added in our small organization, being self-funded, a couple of catastrophic events could have great impact, but the current state of the medical plan is good.

Mr. Powell next discussed information on Personnel Growth and Trends in Health Care Cost. Personnel Growth has trended downward since 2001 with current staffing holding steady at 151 employees. There will be 152 positions for FY2023. He stated the District health care costs are trending below medical inflation. This is due in part to the district's direct contracts with Advent Health, Range urgent care, and Open MRI.

Operation and Maintenance expenses have increased an average of 3.4% over the past 9 years, while averaging 95.2% Actual-to-Budget Ratio. This is primarily due to the deferred utility costs which is a direct result of operations of the hydroelectric facility.

The FY2023 proposed Capital Improvement Program budget is \$30.31 million. Major Capital Improvement projects for FY2023 are \$5.2 million on Christian Creek Interceptor, \$3.1 million on French Broad Interceptor at Amboy Road, \$1.3 million on Caledonia Road, and \$2.4 million on Equipment Storage Facility.

Capital Equipment Replacement includes Operations & Maintenance at \$97,635; Fleet Replacement requests at \$491,000; Pump Station Replacement at \$56,200, and Water Reclamation Facility \$231,000.

The District's debt composition as of June 30, 2022 will be \$88.3 million in total, with 74% (\$65.46 million) in traditional fixed income, and 26% (\$22.91 million) in synthetic fixed debt. FY2023 debt service is \$8.90 million, which consists of \$5.68 million in principal and \$3.22 million for interest.

Proposed Expenditures for FY2023 are expected to be \$59.85 million. Approximately two-thirds of expenditures are related to the CIP Program - Construction Projects at \$30.31 million (50.6%), Capital Equipment at \$0.88 million (1.5%) and Debt Service at \$8.9 million (14.9%). Roughly a third of the budget pertains to Operations at \$19.76 million (33.0%).

# Finance Committee Minutes

## May 3, 2022

Mr. Powell continued his presentation with discussing Revenue Highlights. We anticipate a 0.75% growth in residential users, 0.75% growth in domestic consumption, facility and tap fees are projected at \$3.18 million (\$3 million in facility fees, \$175,000 in tap fees), and a very conservative 1.0% rate of return. To maintain a balanced budget, proposed revenues of \$59.85 million are made up of \$37.72 million (63.2%) in domestic user fees, \$3.37 million (5.6%) in industrial user fees, \$13.83 million (23.1%) other sources and uses, and \$1.66 million (2.8%) in interest and miscellaneous.

### 3. Business Plan

The Business Plan is a long-term (ten-year) plan for projected sewer rates and revenues, operating expenses, CIP needs, and debt coverage ratio. Staff uses the District's master plan objectives, regulatory requirements, debt service requirements, the CPI, and other indexes to decide on the level incremental sewer rate increases and equalize the rates over the 10-year period. Budget assumptions used include 0.75% growth in residential users, 0.75% increase in domestic consumption, facility and tap fees budgeted at \$3.18 million, and a 1.0% rate of return on investments in the current year.

In the next ten years, the District will be investing \$389.3 million into its infrastructure. From consolidation through June 30, 2021, the District has invested \$460.7 million in infrastructure. The 10-year CIP Program will be made up mostly of collection system rehabilitation funding at 38% and 39% in the treatment plant, respectively.

Cost reduction measures and value engineering have resulted in \$5 million savings on the Incinerator Project, \$5 million savings on RBC replacement, and a phased approach to Treatment Plant Improvements to move out \$70 million RBC Upgrade. Total Operations and Maintenance expenditures have averaged 3.4% annually over the last 10 years. Materials, supplies, and service expenditures have averaged 2.0% annually over the last years.

Additionally, the District's business plan projects four debt issuances over the course of the next 10 years as well as 3.0% projected increases for the ratepayers for the next 5 years and 3.5% rate increase for the remaining 5 years. Debt coverage ratios will exceed the 1.5% target rate. Additionally, capital assets, net of accumulated depreciation as of June 30, 2021 are over \$496 million as a direct result of CIP funding.

### 4. Rate Information

Mr. Powell stated the District uses NACWA as an information source because they give average monthly bills, including both flow and maintenance costs. Based on data for EPA Region IV – Southeast, the District's average monthly residential bill compares favorably. Additionally, the District's average monthly bill compares favorably to other North Carolina AA and AAA sewer providers.

# Finance Committee Minutes

## May 3, 2022

Staff recommends no increase in Sewer System Development Fees and Sewer Connection Fees change in accordance with staff recommendations; a 3% increase in the Domestic Rate; this would be a \$1.06 increase in average single-family monthly bill bringing the average bill from \$33.04 to \$34.10. Additionally, staff recommends a 3% increase in the Industrial Rate.

The District's proposed rate increase is to provide funding for the CIP Program, maintain favorable debt service ratio to minimize future interest expense, and to keep rate increases small and uniform per industry standards and previous District Board directions. Mr. Hartye added "and to keep salaries competitive".

In closing, Mr. Powell gave special thanks to Division Heads, his finance team, and Jody Germaine, Budget Analyst.

### Recommendation for Proposed FY23 Budget and Schedule of Rates & Fees for FY23

Following Mr. Powell's presentation, the floor is opened for questions or comments. Ms. Wisler inquired what the assumed interest rate will be on the next bond issuance. Mr. Powell answered that the next bond issuance is not expected until FY2025. The assumed rate of 4.5%. With no further questions, Mr. Powell directed the Committee's attention to the two action items on the agenda, The Proposed Budget/ Budget Resolution for FY2023 and the Proposed Schedule of Rates and Fees for FY2023. Chairman Kelly calls for any additional questions or comments. Chairman Kelly deferred to board counsel if the two resolutions can be handled with one vote, due to the nature of the Committee's advice to the full Board being purely recommendatory. Mr. Clarke agreed, a single vote can be used for both items. Al Whitesides moved to recommend to the full board the proposed FY23 Budget/Budget Resolution, and the proposed FY23 Schedule Rates and Fees. Gwen Wisler seconds. With no further discussion, the motion was carried unanimously.

### Adjournment

With no further discussion, Chairman Kelly called for adjournment at 9:27 am.

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

**BOARD MEETING DATE:** May 18, 2022

**SUBMITTED BY:** Tom Hartye, P.E. - General Manager

**REVIEWED BY:** Hunter Carson, P.E. - Engineering Director

**PREPARED BY:** Kevin Johnson, P.E. - Planning and Development Manager

**SUBJECT:** Acceptance of Developer Constructed Sewer System for the Edgewood Road Subdivision Sewer Extension, MSD Project No. 2019157

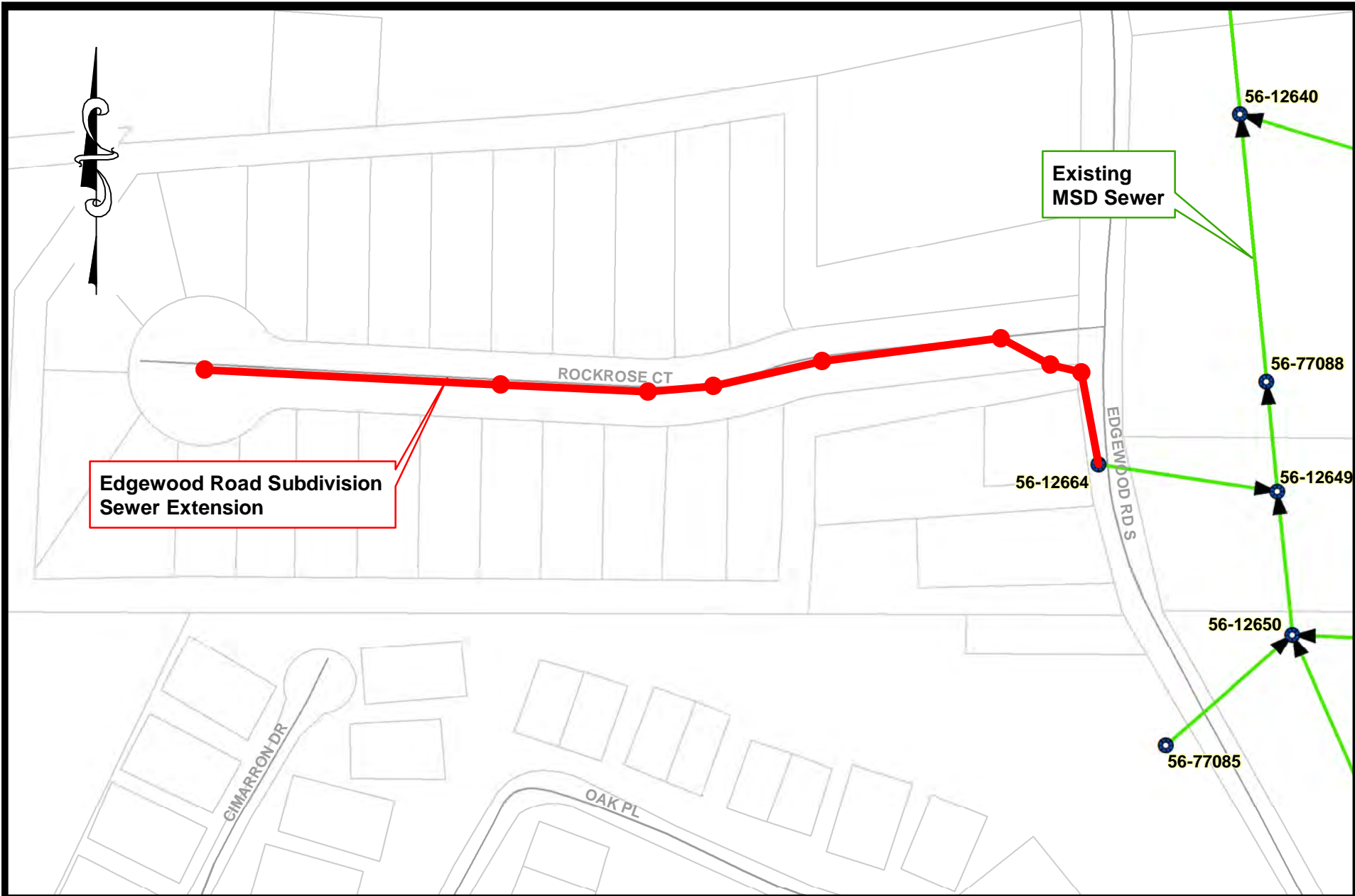
**BACKGROUND:** This project is located inside the District boundary off Edgewood Road South in the City of Asheville. The developer of the project is Ralph Spano of Spano & Associates of Asheville, LLC.

The project included extending approximately 754 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 7,500 GPD for the twenty-five (25) homes associated with this residential development. The estimated cost of the sewer construction is \$95,000.00.

All MSD requirements have been met.

**STAFF RECOMMENDATION:** Staff recommends acceptance of this developer constructed sewer system.



**MSD**  
Engineering Division

**Edgewood Road Subdivision Sewer Extension  
MSD Project # 2019157**

Metropolitan Sewerage District of Buncombe County

05/06/2022

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

**BOARD MEETING DATE:** May 18, 2022

**SUBMITTED BY:** Tom Hartye, P.E. - General Manager

**REVIEWED BY:** Hunter Carson, P.E. - Engineering Director

**PREPARED BY:** Kevin Johnson, P.E. - Planning and Development Manager

**SUBJECT:** Acceptance of Developer Constructed Sewer System for the Enclave at Piney Mountain Phase 1 Sewer Extension, MSD Project No. 2019075

**BACKGROUND:** This project is located inside the District boundary along Piney Mountain Drive in Buncombe County. The developer of the project is Marcus McCall of McCall Capital, LLC.

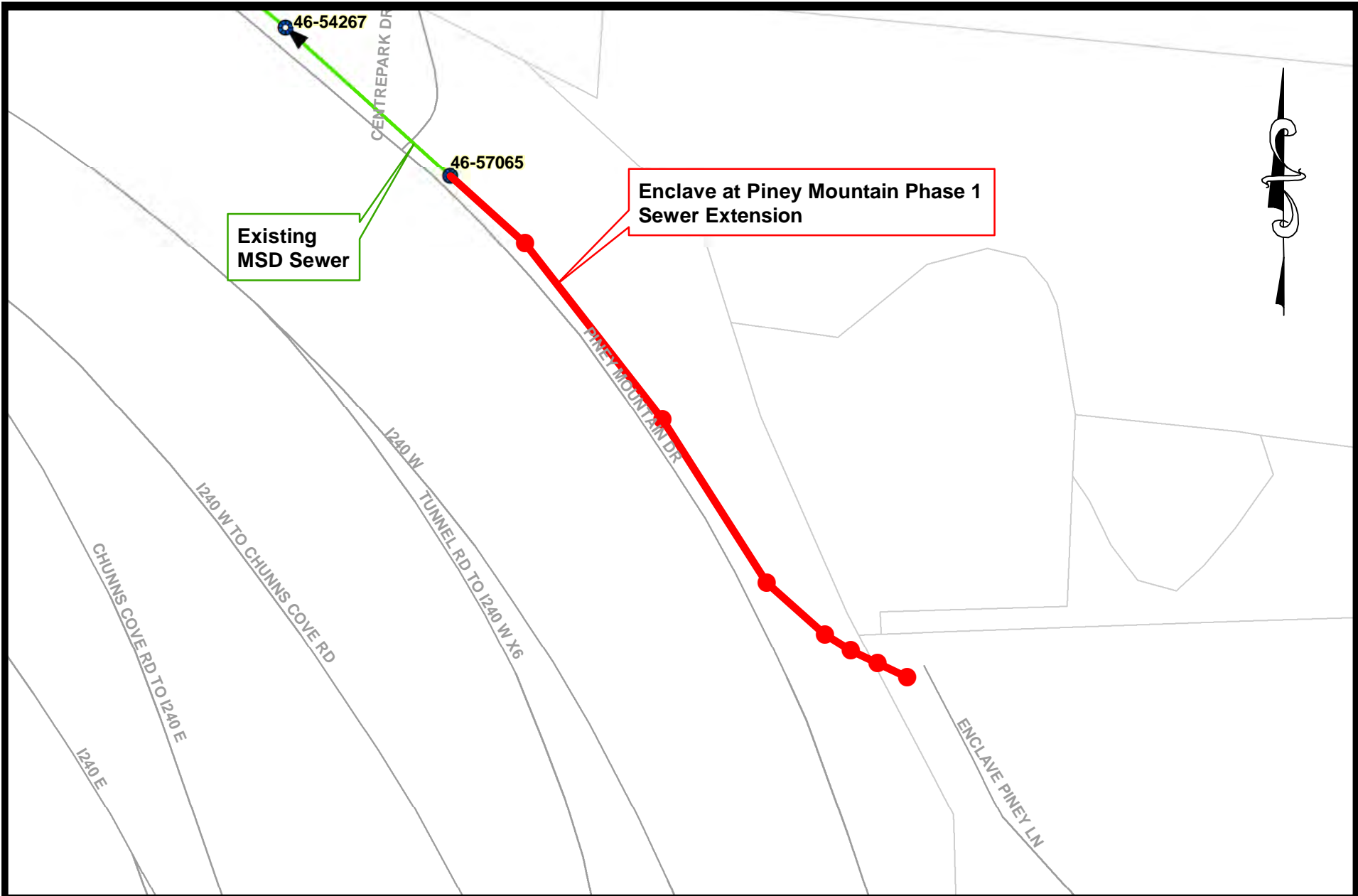
The project included extending approximately 779 linear feet of 8-inch public gravity sewer to serve the Multi-Family Residential Development.

A wastewater allocation was issued in the amount of 60,000 GPD for the 211 residential units for this phase of the development. The estimated cost of the sewer construction is \$126,000.00.

All MSD requirements have been met.

**STAFF RECOMMENDATION:** Staff recommends acceptance of this developer constructed sewer system.





**MSD**  
Engineering Division

**Enclave at Piney Mountain Phase 1 Sewer Extension  
MSD Project # 2019075**

Metropolitan Sewerage District of Buncombe County

05/06/2022

# Metropolitan Sewerage District of Buncombe County

## BOARD INFORMATIONAL ITEM

Meeting Date: May 18, 2022  
 Submitted By: Thomas E. Hartye, PE., General Manager  
 Prepared By: W. Scott Powell, CLGFO, Director of Finance  
 Cheryl Rice, Accounting Manager  
 Subject: Cash Commitment/Investment Report-Month Ended March 31, 2022

### Background

Each month, staff presents to the Board an investment report for all monies in bank accounts and specific investment instruments. The total investments as of March 31, 2022 were \$80,287,941. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.366%. These investments comply with North Carolina General Statutes, Board written investment policies, and the District's Bond Order.

The attached investment report represents cash and cash equivalents as of March 31, 2022 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of March 31, 2022 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$38,214,458.

Total Cash & Investments as of 03/31/2022		78,383,948
Less:		
Budgeted Commitments (Required to pay remaining FY22 budgeted expenditures from unrestricted cash)		
Construction Funds	(20,425,205)	
Operations & Maintenance Fund	<u>(6,654,362)</u>	
		(27,079,567)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(47,990)	
FY22 Principal & Interest Due	<u>(7,888,140)</u>	
		(7,936,130)
District Reserve Funds		
Fleet Replacement	(714,683)	
Pump Replacement	(198,945)	
WWTP Replacement	(276,188)	
Maintenance Reserve	<u>(1,026,869)</u>	
		(2,216,685)
District Insurance Funds		
General Liability	(471,471)	
Worker's Compensation	(452,163)	
Post-Retirement Benefit	(2,296,980)	
Self-Funded Employee Medical	<u>(1,620,487)</u>	
		<u>(4,841,101)</u>
Designated for Capital Outlay		<u><u>38,214,458</u></u>

Meeting Date: May 18, 2022

Subject: Cash Commitment/Investment Report-Month Ended March 31, 2022

Page 2

Staff Recommendation

None - Information Only.

Action Taken

Motion by:

to

Approve

Disapprove

Second by:

Table

Send to Committee

Other:

Follow-up required:

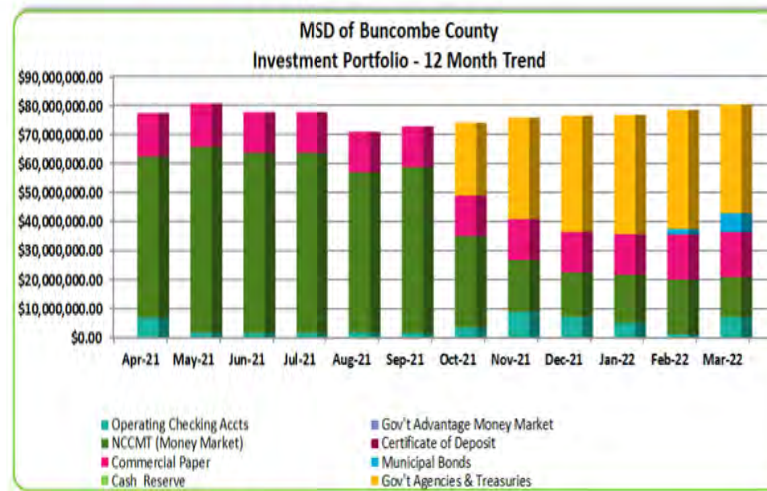
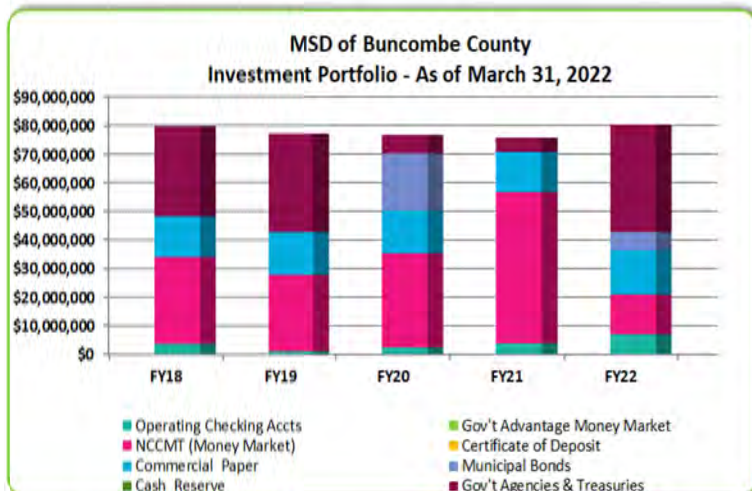
Person responsible:

Deadline:

## Metropolitan Sewerage District of Buncombe County Investment Portfolio

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Municipal Bonds	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -		\$ 47,990			\$ -	\$ -		\$ 47,990
Held by MSD	7,049,052	46,696	13,737,376	-	15,476,618	6,445,000		37,485,209	80,239,951
	\$ 7,049,052	\$ 46,696	\$ 13,785,366	\$ -	\$ 15,476,618	\$ 6,445,000	\$ -	\$ 37,485,209	\$ 80,287,941

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries,			
Agencies and Instrumentalities	100%	46.69%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	0.00%	The District 's YTM of .37 % is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.28%	
Municipal Bonds	100%	8.02%	
North Carolina Capital Management Trust	100%	17.17%	
Checking Accounts:	100%		All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Operating Checking Accounts		8.78%	
Gov't Advantage Money Market		0.06%	



Meeting Date: Meeting Date: May 18, 2022

Subject: Cash Commitment/Investment Report-Month Ended March 31, 2022

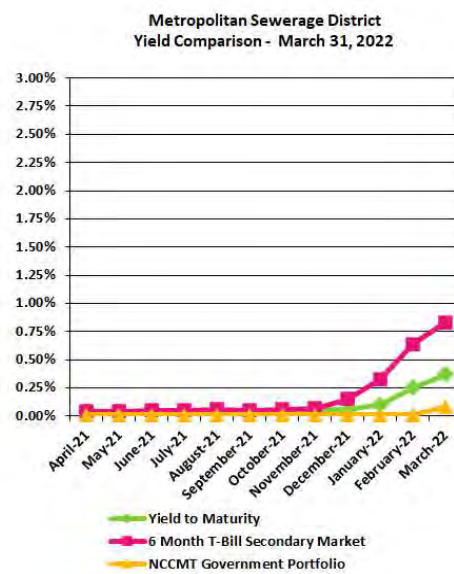
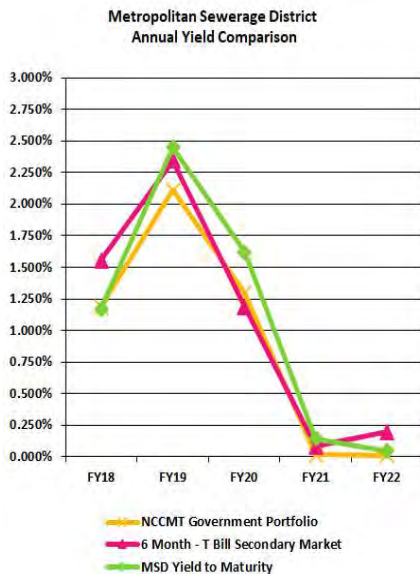
Page 4

## Metropolitan Sewerage District Investment Managers' Report On March 31, 2022

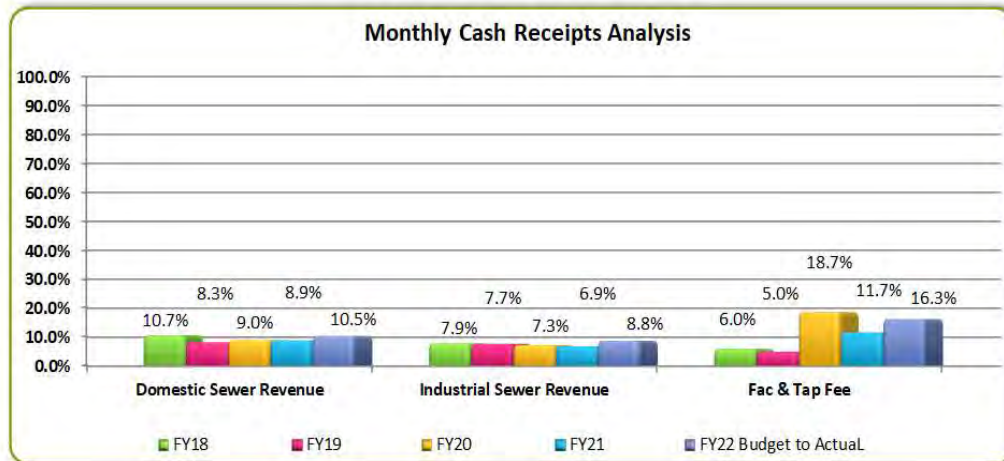
<u>Summary of Asset Transactions</u>			
	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 72,208,333	\$ 72,209,080	\$ 1,088
Capital Contributed (Withdrawn)	(3,971,993)	(3,971,993)	
Realized Income	2,760	2,760	
Unrealized/Accrued Income		6,716	30,319
Ending Balance	<u>\$ 68,239,100</u>	<u>\$ 68,246,563</u>	<u>\$ 31,407</u>

<u>Value and Income by Maturity</u>		
	Original Cost	Income
Cash Equivalents <91 Days	\$ 60,740,579	\$ 35,421
Securities/CD's 91 to 365 Days	7,498,521	4,373
Securities/CD's > 1 Year	-	-
	<u>\$ 68,239,100</u>	<u>\$ 39,794</u>

<u>Month End Portfolio Information</u>	
Weighted Average Maturity	76
Yield to Maturity	0.37%
6 Month T-Bill Secondary Market	0.83%
NCCMT Government Portfolio	0.08%

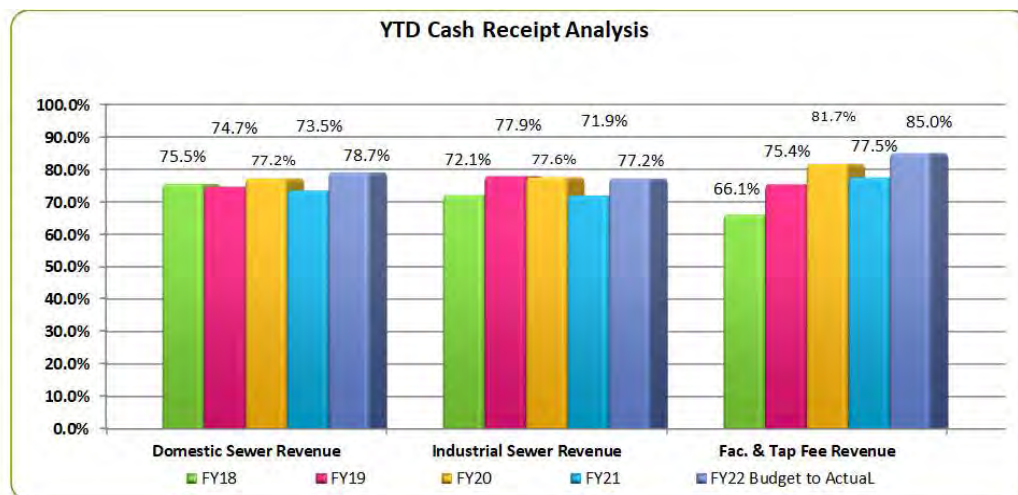


### Metropolitan Sewerage District Analysis of Cash Receipts As of March 31, 2022



Monthly Cash Receipts Analysis:

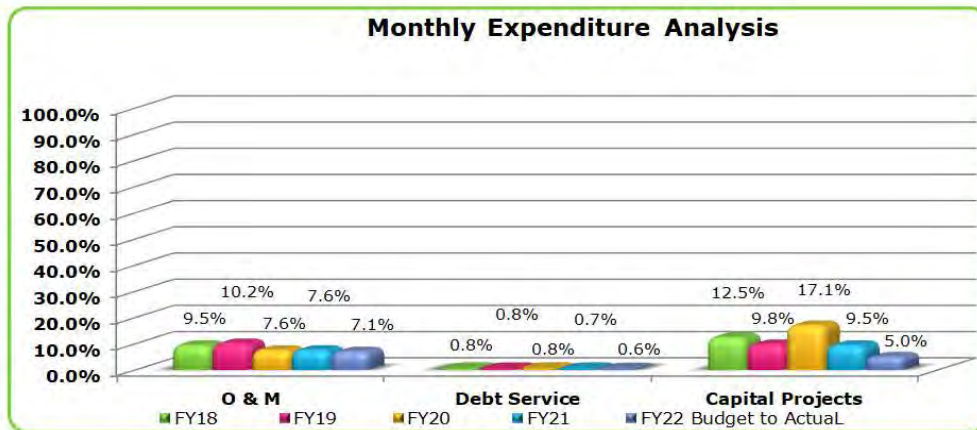
- \* Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- \* Monthly industrial sewer revenue is reasonable based on historical trends.
- \* Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.



YTD Actual Revenue Analysis:

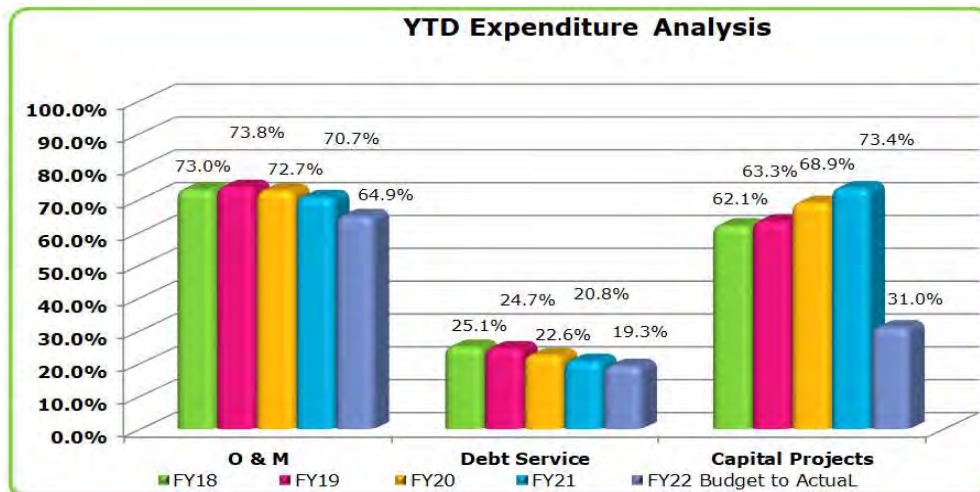
- \* YTD domestic sewer revenue is considered reasonable based on historical trends.
- \* YTD industrial sewer revenue is reasonable based on historical trends.
- \* Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

### Metropolitan Sewerage District Analysis of Expenditures As of February 28, 2022



**Monthly Expenditure Analysis:**

- \* Monthly O&M expenditures are considered reasonable based on historical trends and timing of expenditures in the current year.
- \* Due to the nature of the variable rate bond market, monthly expenditures can vary year to year. Based on current variable interest rates, monthly debt service expenditures are considered reasonable.
- \* Due to nature and timing of capital projects, monthly expenditures can vary from year to year. Based on the current outstanding capital projects, monthly capital project expenditures are considered reasonable.



**YTD Expenditure Analysis:**

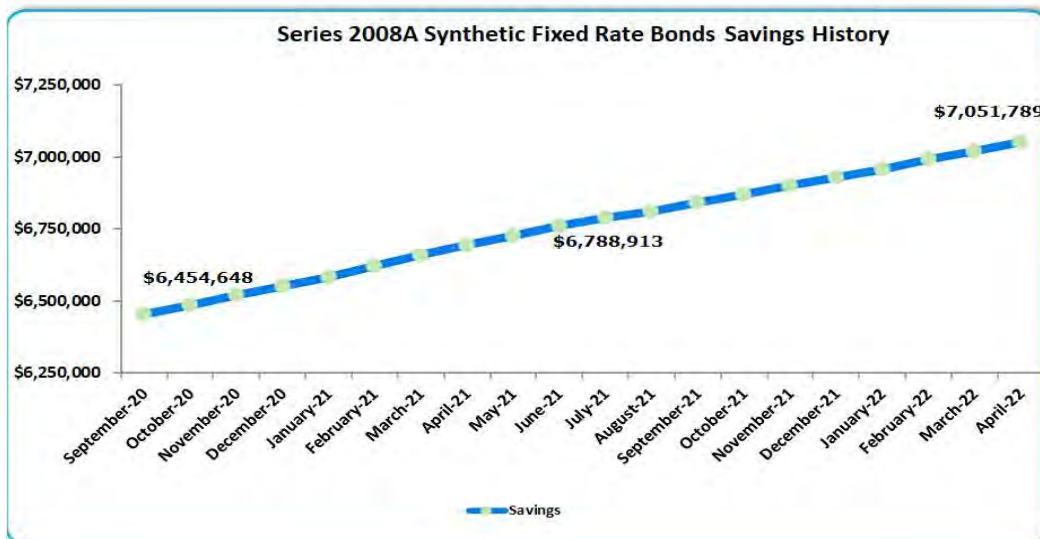
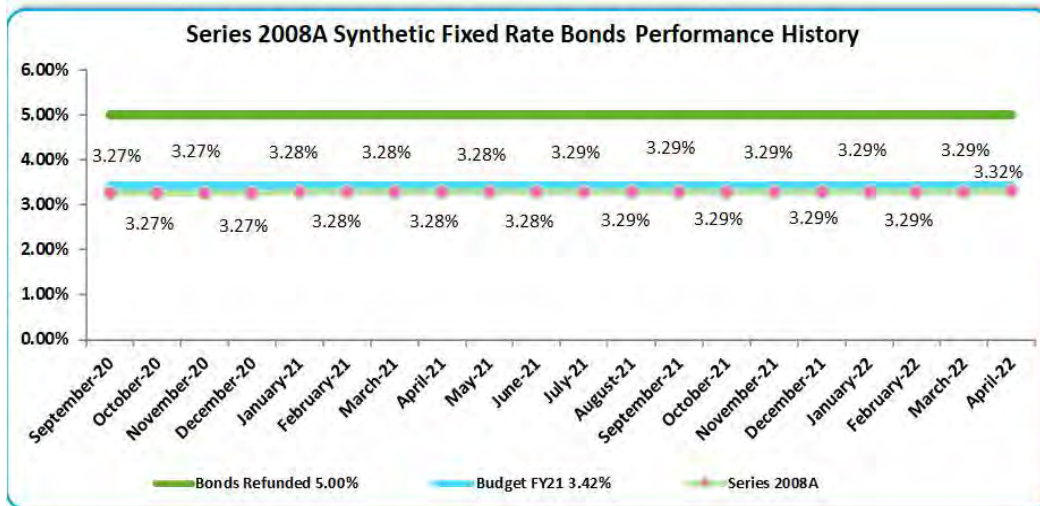
- \* YTD O&M expenditures are considered reasonable based on historical trends.
- \* Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- \* Due to nature and timing of capital projects, YTD expenditures can vary from year to year. Based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable.

Meeting Date: Meeting Date: May 18, 2022

Subject: Cash Commitment/Investment Report-Month Ended March 31, 2022

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### Metropolitan Sewerage District Variable Debt Service Report As of April 30, 2022



Series 2008A:

- \* Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$7,051,789 as compared to 4/1 fixed rate of 4.85%.
- \* Assuming the rate on the Series 2008A Bonds continues at the current all-in rate of 3.7210%, MSD will achieve cash savings of \$4,670,000 over the life of the bonds.
- \* MSD would pay \$856,590 to terminate the existing Bank of America Swap Agreement.



# Metropolitan Sewerage District of Buncombe County BOARD ACTION ITEM

Meeting Date: May 18, 2022

Submitted By: Thomas E. Hartye, PE., General Manager

Prepared By: W. Scott Powell, CLGFO, Director of Finance  
Jody Germaine, Budget Analyst

Reviewed By: Billy Clarke, Legal Counsel

Subject: Consideration of the Resolution Adopting the Preliminary Budget for  
FY 2022-2023 and the Schedule of Sewer Rates & Fees

## Background

The District Budget process must comply with North Carolina General Statutes and the MSD Revenue Bond Order. The Bond order requires that the District adopt its final budget on or before June 15 of each year. The North Carolina General Statutes required that an annual balanced budget ordinance, based upon expected revenues, along with a budget message, to be presented to the governing board no later than June 1 of each year.

## Staff/Committee Recommendations

### BUDGET:

The Finance Committee unanimously approved staff's recommendation to forward to the Board for approval of the attached [FY2022-2023 Preliminary Budget](#) along with the Preliminary Budget Resolution.

### SEWER RATES & FEES:

The Finance Committee unanimously approved staff's recommendation to forward to the Board for approval of the attached Proposed Schedule of Fees and Charges – FY2023.

#### Action Taken

Motion by:

Second by:

Other:

Follow-up Required:

to

Approve

Table

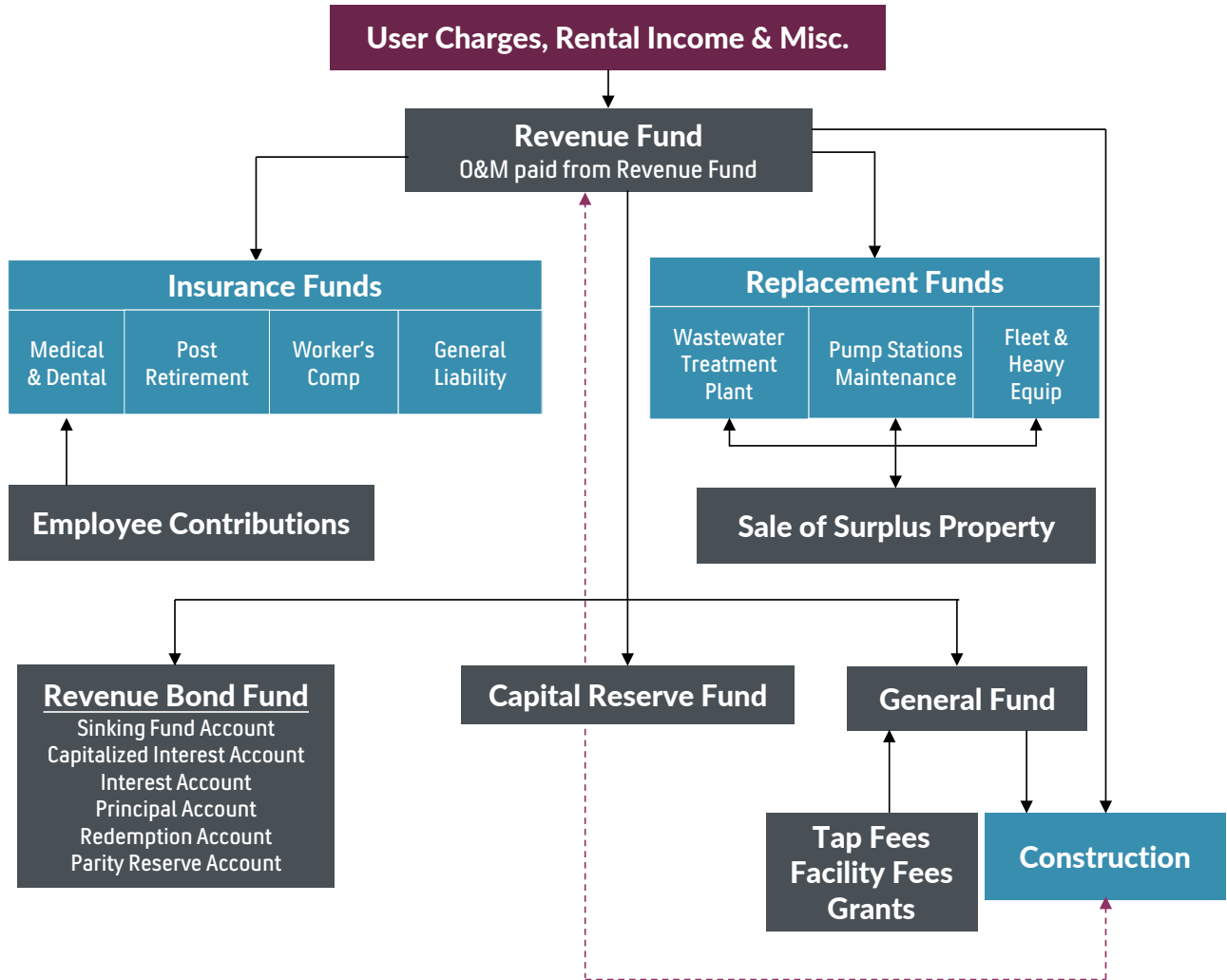
Person Required:

Disapprove

Send to Committee

Deadline:

# Flow of Funds Chart



## Priority of expenditures per Bond Order

1. Current Expenditures
2. Debt Service
3. Capital Reserve
4. Any Lawful Purpose

- Income Sources
- Trustee Funds
- Expenditures

————— Flow of Funding

- - - - - Flow of Funding if required for emergency repairs or maintenance

# Budget Resolution

RESOLUTION ADOPTING PRELIMINARY BUDGET AND SEWER USE CHARGES  
FOR THE  
METROPOLITAN SEWERAGE DISTRICT  
OF BUNCOMBE COUNTY, NORTH CAROLINA  
FOR THE FISCAL YEAR July 1, 2022 THRU June 30, 2023

WHEREAS, the Board of Directors has reviewed the Operations and Maintenance, Bond, Reserves, Construction Expenditures of the District, and the sources of revenue and allocations (uses) of expenditures for the 2022-2023 fiscal year; and

NOW, THEREFORE, BE IT RESOLVED:

- 1** The following amounts are hereby appropriated in the Revenue Fund for the Operations and Maintenance of the District and for transfers to the Debt Service, General Fund, and Insurance Funds for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Operating and Maintenance Expenses	\$	15,890,440
Transfer to Insurance Accounts	\$	4,029,885
Transfer to Fleet & Heavy Equipment Fund	\$	595,000
Transfer to Wastewater Treatment Plant Reserve	\$	200,000
Transfer to Pump Station Maintenance	\$	55,000
Subtotal O&M	\$	20,770,325
Transfer to the General Fund	\$	27,114,882
Transfer to Debt Service Fund	\$	8,899,361
	\$	<u>56,784,568</u>

It is estimated that the following revenues will be available in the Revenue Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Domestic User Fees	\$	36,801,493
Industrial User Fees	\$	3,370,488
Billing and Collection Fees	\$	1,019,478
Investment Interest	\$	1,000,000
Reimbursement for Debt Service from COA	\$	35,000
Rental Income	\$	96,000
Appropriated from Net Position	\$	14,462,109
	\$	<u>56,784,568</u>

- 2** The following amounts are hereby appropriated in the General Fund for the transfers to the Construction Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Transfer into Construction	\$	<u>30,314,882</u>
----------------------------	----	-------------------

It is estimated that the following revenues will be available in the General Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Facility and Tap Fees	\$	3,175,000
Investment Income	\$	125
Transfer In from Revenue Fund	\$	27,114,882
Appropriated from Net Position	\$	24,875
	\$	<u>30,314,882</u>

3 The following amounts are hereby appropriated in the Construction Fund for Capital Improvement Plan expenditures for the fiscal year beginning July 1, 2022 and ending June 30, 2023.

Capital Improvements Projects	\$	<u>30,314,882</u>
-------------------------------	----	-------------------

It is estimated that the following revenues will be available to the Construction Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023.

Investment Income	\$	2,500
Transfer In from General Fund	\$	30,314,882
Contribution to Net Position	\$	(2,500)
	\$	<u>30,314,882</u>

4 The following amounts are presented as the financial plan of the Insurance Funds that are used to provide insurance services. Estimated operating expenditures for the fiscal year beginning July 1, 2022 and ending June 30, 2023 are:

Operating Expenditures	\$	<u>3,969,215</u>
------------------------	----	------------------

It is estimated that the following revenues will be available in the Insurance Funds for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Transfer In from the Revenue Fund	\$	4,029,885
Investment Income	\$	61,000
Employee/Retirees Medical Contributions	\$	379,669
Contribution To Net Position	\$	(501,339)
	\$	<u>3,969,215</u>

5 The following amounts are presented as the financial plan of the Fleet & Heavy Equipment Fund designated for capital equipment expenditures for the fiscal year beginning July 1, 2022 and ending June 30, 2023 estimated as follows:

Transfer to Capital Reserve	\$	93,017
Capital Equipment	\$	491,000
	\$	<u>584,017</u>

It is estimated that the following revenues will be available in the Fleet & Heavy Equipment Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Transfer In from the Revenue Fund	\$	595,000
Sale of Surplus Property	\$	49,100
Investment Income	\$	12,391
Appropriated from Net Position	\$	(72,474)
	\$	<u>584,017</u>

6 The following amounts are presented as the financial plan of the Wastewater Treatment Plant Replacement Fund designated for wastewater treatment plant capital expenditures for the fiscal year beginning July 1, 2022 and ending June 30, 2023 estimated as follows:

Capital Equipment	\$	<u>231,000</u>
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It is estimated that the following revenues will be available in the Wastewater Treatment Plant Replacement Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Transfer In from the Revenue Fund	\$	200,000
Investment Income	\$	2,102
Transfer Out to Pump Station Replacement Fund	\$	-
Contribution to Net Position	\$	<u>28,898</u>
	\$	<u>231,000</u>

7 The following amounts are presented as the financial plan in the Pump Station Replacement Fund designated for pump capital expenditures for the fiscal year beginning July 1, 2022 and ending June 30, 2023 estimated as follows:

Capital Equipment	\$	<u>56,200</u>
	\$	<u>56,200</u>

It is estimated that the following revenues will be available in the Pump Station Replacement Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Transfer In from the Revenue Fund	\$	55,000
Investment Income	\$	1,616
Appropriated from Net Position	\$	(416)
	\$	<u>56,200</u>

8 The following amounts are hereby appropriated in the Debt Service Fund for principal and interest payments for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Debt Service	\$	<u>8,899,361</u>
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It is estimated that the following revenues will be available in the Debt Service Fund for the fiscal year beginning July 1, 2022 and ending June 30, 2023:

Transfer In from the Revenue Fund	\$	8,899,361
Investment Income	\$	500
Transfer Out		
Contribution To Net Position	\$	(500)
	\$	<u>8,899,361</u>

9 That the Board of the Metropolitan Sewerage District does hereby approve an increase in the Budgets to the amount necessary to reflect any contributions to the Debt Service Reserve Fund or Capital Reserve Fund as determined by the Bond Trustee to be necessary to comply with covenants in the Bond Order.

10 The General Manager is hereby authorized to transfer appropriations as contained herein under the following conditions:

- a. He may transfer amounts without limitation between departments in a fund.  
He may transfer any amounts within Debt Service and Reserve Funds designated as
- b. excess by the Trustee into another fund.  
He may transfer up to 10% of Insurance Fund reserves to meet current year
- c. expenditures in excess of budget.

11 That the attached Schedule of Fees and Charges be adopted as effective July 1, 2022.

12 That this resolution shall be entered in the minutes of the District and within five (5) days after its adoption, copies thereof are ordered to be filed with the Finance and Budget Officer and Secretary of the Board as required by G.S. 159-13 (d).

Adopted this 18th day of May 2022

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M. Jerry VeHaun, Chairman  
Metropolitan Sewerage District of  
Buncombe County, North Carolina

Attest:

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Jackie Bryson  
Secretary/Treasurer

**Metropolitan Sewerage District of Buncombe County, North Carolina  
Schedule of Rates, Fees, and Charges - FY2023**

Effective July 1, 2022

	<b>ADOPTED FY2022 RATE</b>	<b>PROPOSED FY2023 RATE</b>
<b>Collection Treatment Charge</b>		
Residential & Commercial Volume Charges (per CCF) Inside	\$ 4.86	\$ 5.01
Industrial Volume Charges (per CCF) Inside	4.86	5.01
Industrial Surcharge for BOD (per lb., BOD >250 mg/l) Inside	0.300	0.300
Industrial Surcharge for TSS (per lb., TSS >250 mg/l) Inside	0.250	0.250
Residential & Commercial Volume Charges (per CCF) Outside	\$ 4.87	\$ 5.02
Industrial Volume Charges (per CCF) Outside	4.87	5.02
Industrial Surcharge for BOD (per lb., BOD >250 mg/l) Outside	0.300	0.300
Industrial Surcharge for TSS (per lb., TSS >250 mg/l) Outside	0.250	0.250
<b>Base Meter/Maintenance Charge &amp; Billing Fee</b>		
5/8"	\$ 7.49	\$ 7.72
3/4"	10.90	11.23
1"	19.35	19.94
1 1/2"	44.27	45.60
2"	78.30	80.65
3"	173.64	178.85
4"	309.86	319.16
6"	698.02	718.97
8"	1,239.41	1,276.60
10"	1,940.86	1,999.09
Billing Fee (per bill)	2.50	2.66
<b>Sewer System Development Fees</b>		
This impact fee is for allotted capacity in the treatment and transmission system. A differential fee will be charged for increases to an existing meter size.		
<b><i>Residential</i></b>		
Per Unit	\$ 2,836.00	\$ 2,836.00
Mobile Home	2,836.00	2,836.00
Multifamily Unit	1,900.00	1,900.00
Affordable Housing	670.00	670.00

**Metropolitan Sewerage District of Buncombe County, North Carolina  
Schedule of Rates, Fees, and Charges - FY2023**

Effective July 1, 2022

	<b>ADOPTED FY2022 RATE</b>	<b>PROPOSED FY2023 RATE</b>
<b>Sewer System Development Fees</b> <i>(continued)</i>		
<i>Nonresidential</i>		
5/8"	\$ 2,836.00	\$ 2,836.00
3/4"	4,254.00	4,254.00
1"	7,090.00	7,090.00
1 1/2"	14,180.00	14,180.00
2"	22,688.00	22,688.00
3"	45,376.00	45,376.00
4"	70,900.00	70,900.00
6"	141,800.00	141,800.00
8"	226,800.00	226,800.00
10"	595,560.00	595,560.00
12"	751,540.00	751,540.00
 <b>Sewer Connection Fees</b>		
The Sewer Connection Fee will apply to all new construction, as well as existing structures which have been demolished/rebuilt and sewer service is reinstated under new property ownership.		
MSD will install sewer connections where the public main is on the same side of the street as the residence or business		
MSD requires that a licensed utility contractor install any sewer connection/service line within public rights-of-way extending over 75 feet or that requires pavement disturbance or boring to reach across a paved thoroughfare. The installation shall be constructed to MSD Standards. All work will be subject to MSD inspection.		
Sewer Connection by MSD	\$ 1,300.00	\$ 1,300.00
Contractor installed Sewer Connection		Varies
Inspection Fee for Utility Contractor Installed Sewer Connection	\$ 140.00	\$ 140.00
 <b>Manhole Installation/Replacement</b>		
Cost per foot	\$ 250.00	\$ 250.00
Pavement replacement (if required)	1,800.00	1,800.00



**Metropolitan Sewerage District of Buncombe County, North Carolina  
Schedule of Rates, Fees, and Charges - FY2023**

Effective July 1, 2022

	<b>ADOPTED FY2022 RATE</b>	<b>PROPOSED FY2023 RATE</b>
<b>Other Fees</b>		
Allocation Fee	170.00	170.00
Non-Discharge Permit	200.00	200.00
Plan Review Fee	450.00	450.00
Plan re-review Fee	350.00	350.00
Pump Station Acceptance Fee	Note 1	Note 1
Note 1--See policy for details of computation of O&M and equipment replacement costs for upcoming 20 years; 50% discount for affordable housing.		
<b>Bulk Charges</b>		
Volume Charge for Septic Haulers (per 1,000 Gal.)	\$ 45.00	\$ 45.00
Biochemical Oxygen Demand >250 mg/l (per lb.)	0.300	0.300
Total Suspended Solids >250 mg/l (per lb.)	0.250	0.250
<b>Returned Check Charge</b>		
Returned Check (per event)	\$ 25.00	\$ 25.00
Dishonored Draft (per event)	25.00	25.00
<b>Copy/Printing Fees/Miscellaneous (each)</b>		
8x11 first print of standard GIS inquiry	\$ 1.00	\$ 1.00
8x14 first print of standard GIS inquiry	1.00	1.00
11x17 first print of standard GIS inquiry	2.00	2.00
24x36 first print of standard GIS inquiry	7.00	7.00
34x44 first print of standard GIS inquiry	12.00	12.00
36x48 first print of standard GIS inquiry	14.00	14.00
8x11 or 8x14 copies after first print	0.11	0.11
11x17 copies after first print	0.20	0.20
24x36 copies after first print	0.94	0.94
34x44 copies after first print	1.76	1.76
36x48 copies after first print	2.03	2.03
Foam Core mounting per sq. foot	3.00	3.00
Data CD	30.00	30.00
Shipping for CD	5.00	5.00
Permit Decals for Septic Haulers	50.00	50.00

# **STATUS REPORTS**

## MSD System Services In-House Construction

FY 21-22

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
765 New Airport Road Construction Rehabilitation	Fletcher	28732	365	7/19/2021	281422	M. Hensley	7/19/2021	368	Complete
Northwest Avenue @ 215 Sewer Rehabilitation	Swannanoa	28778	252	7/8/21 - 7/26/21	275846	Norton	7/26/2021	244	Complete
S Bear Creek Road Creek Crossing Replacement	W. Asheville	28806	161	8/23/21 - 8/25/21	282110	Dockery	8/25/2021	161	Complete
Sulphur Springs Road Sewer Rehabilitation Line B	Asheville	28806	1,100	7/1/21 - 11/13/21	278841	Dockery	9/15/2021	1074	Complete
3 Glen Cliff Rd Construction Rehabilitation	Candler	28715	220	11/12/2021	284144	G. Hensley	11/12/2021	220	Complete
Smokey Park Highway Construction Repair	Enka	28715	290	11/11/21 - 12/15/21	283056	Karn	11/18/2021	283	Complete
Coleman Avenue at Conestee Sewer Rehabilitation	Asheville	28801	1,517	9/18/21 - 11/15/21	233875	Dockery	11/30/2021	1485	Complete
72 Dillingham Road	Asheville	28805	234	11/1/21 - 12/17/21	39327	Norton	12/9/2021	240	Complete
Parker Drive At No. 110 Sewer Rehabilitation	Swannanoa	28778	598	12/1/21 - 12/31/21	275885	Dockery	12/20/2021	374	Complete
Briarwood Rd at W. Fox Chase Rd Sewer Rehab	Weaverville	28804	300	12/20/21 - 1/14/22	267160	Norton	1/6/2022	297	Complete
Briarcliff Dr at Oakwilde Dr Construction Rehab Ph. 1	Asheville	28803	189	1/17/22 - 1/31/22	258768	Norton	1/11/2022	189	Complete
129 South Ln @ Warren Wilson Construction Rehab	Swannanoa	28778	155	1/24/22 - 1/28/22	285520	Dockery	1/28/2022	155	Complete
Grace Avenue	Asheville	28804	239	12/20/21 - 2/2/22	284413	Dockery	2/2/2022	258	Complete
49 Eastview Circle Construction Rehabilitation	Asheville	28806	99	2/21/2022	285669	G. Hensley	2/21/2022	99	Complete
Lotus Place Sewer Rehabilitation	Asheville	28804	825	1/31/22 - 3/4/22	275767	Dockery	3/2/2022	851	Complete
Naples PS Elimination and Gravity Conversion Ph. 1	Cane Creek	28760	1858	2/10/22 - 3/4/22	285603	McDevitt	3/25/2022	1564	Complete
Chateau Pl @ Kenilworth Rd Sewer Replacement	Asheville	28803	215	4/5/22 - 4/8/22	287063	McDevitt	4/7/2022	204	Complete
753 Fairview Rd Sewer Rehabilitation	Asheville	28803	100	4/11/22 - 4/15/22	275813	McDevitt	4/12/2022	70	Complete
412 Glen Bridge Road	Arden	28704	487	4/25/22 - 5/2/22	287054	Dockery	5/2/2022	487	Complete
White Oak Road Sewer Rehabilitation Phase II	Arden	28704	1110	3/4/22 - 5/6/22	286269	Dockery			Construction 90% complete
276 Hi-Alta Avenue Sewer Rehabilitation	Asheville	28806	201	5/16/22 - 6/17/22	271375	McDevitt			Ready for construction
44 Galax Sewer Rehab	Asheville	28806	294	FY 21-22	280827	TBA			Ready for Construction
Naples PS Elimination and Gravity Conversion Ph. 2	Cane Creek	28760	422	FY 21-22	285603	TBA			Ready for construction
Charlotte Street @ N Ridgeway Avenue	Blk Mountain	28711	1073	FY 21-22	232699	TBA			Ready for construction
Briarcliff Dr at Oakwilde Dr Construction Rehab Ph. 2	Asheville	28803	257	FY 21-22	285342	TBA			Ready for construction



## CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2021 to 3/31/2022

	Dig Ups	Emergency Dig Ups	Dig Up ML Ftg	Dig Up SL Ftg	Manhole Repairs	Taps Installed	ROW Ftg	IRS Rehab Ftg *	Const Rehab Ftg *	D-R Rehab Ftg *	Manhole Installs	Bursting Rehab Ftg *	Total Rehab Ftg *
July 2021	29	12	164	509	15	20	13,113	0	368	244	3	0	612
August 2021	24	7	96	631	11	28	5,000	0	161	0	0	0	161
September 2021	22	10	70	320	20	17	30,058	0	0	1082	8	0	1082
October 2021	23	7	51	826	14	33	30,659	0	917	8	1	0	925
November 2021	19	12	107	631	10	26	710	0	220	1545	14	223	1988
December 2021	18	15	99	465	18	15	215	0	0	614	3	0	614
January 2022	17	5	35	504	12	20	2,175	0	344	297	5	0	641
February 2022	30	4	94	739	13	28	0	0	326	258	8	0	584
March 2022	44	12	126	1,109	13	39	0	0	408	2423	8	0	2831
<b>Grand Totals</b>	<b>226</b>	<b>84</b>	<b>841</b>	<b>5,734</b>	<b>126</b>	<b>226</b>	<b>81,930</b>	<b>0</b>	<b>2744</b>	<b>6471</b>	<b>50</b>	<b>223</b>	<b>9438</b>

\* Used to calculate Total Rehab Footage



## CUSTOMER SERVICE REQUESTS

### Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
<b>DAY 1ST RESPONDER</b>				
	July, 2021	89	33	39
	August, 2021	112	30	31
	September, 2021	80	26	38
	October, 2021	99	27	38
	November, 2021	100	30	34
	December, 2021	99	28	37
	January, 2022	97	47	34
	February, 2022	122	31	35
	March, 2022	146	31	38
		<b>944</b>	<b>31</b>	<b>36</b>
<b>NIGHT 1ST RESPONDER</b>				
	July, 2021	40	29	29
	August, 2021	37	35	25
	September, 2021	36	29	24
	October, 2021	28	41	40
	November, 2021	30	23	33
	December, 2021	43	26	27
	January, 2022	30	35	30
	February, 2022	36	38	26
	March, 2022	40	28	31
		<b>320</b>	<b>31</b>	<b>29</b>
<b>ON-CALL CREW *</b>				
	July, 2021	24	64	51
	August, 2021	20	47	36
	September, 2021	24	53	31
	October, 2021	24	43	47
	November, 2021	27	45	46
	December, 2021	50	53	36
	January, 2022	44	50	39
	February, 2022	37	42	35

\* On-Call Crew Hours: 8:00pm-7:30am (Jul. - Oct.) 11:30pm-7:30am (from Nov. onward) Monday-Friday, Weekends, and Holidays



## CUSTOMER SERVICE REQUESTS Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
<b>ON-CALL CREW *</b>				
	March, 2022	31	59	32
		<b>281</b>	<b>51</b>	<b>39</b>
<b>Grand Totals:</b>		<b>1,545</b>	<b>35</b>	<b>35</b>

\* On-Call Crew Hours: 8:00pm-7:30am (Jul. - Oct.) 11:30pm-7:30am (from Nov. onward) Monday-Friday, Weekends, and Holidays



## PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2021 to March 31, 2022

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
<b>2021</b>							
July	88,857	1,558	0	88,857	24,368	1,600	21,884
August	104,500	972	610	105,110	32,703	347	26,520
September	57,013	996	1,608	58,621	24,916	4,265	23,383
October	65,871	967	2,250	68,121	22,498	0	0
November	51,867	1,863	2,647	54,514	16,570	917	0
December	65,031	2,411	2,225	67,256	21,251	850	0
<b>2022</b>							
January	40,421	1,636	2,180	42,601	13,595	50	0
February	75,546	1,660	3,145	78,691	18,857	600	0
March	121,513	2,060	5,992	127,505	21,072	766	0
<b>Grand Total:</b>	<b>670,619</b>	<b>14,123</b>	<b>20,657</b>	<b>691,276</b>	<b>195,829</b>	<b>9,395</b>	<b>71,787</b>
<b>Avg Per Month:</b>	<b>74,513</b>	<b>1,569</b>	<b>2,295</b>	<b>76,808</b>	<b>21,759</b>	<b>1,044</b>	<b>7,976</b>

### Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

May 4, 2022

No.	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
2	Hounds Ear (Mears Ave Cottages)	2016123	Asheville	28806	18	402	8/18/2017	Pre-con held, construction not yet started
3	Ashecroft Ph. 2	2016229	Asheville	28806	40	2,450	2/20/2018	On hold
4	RADTIP	2017052	Asheville	28801	0	919	2/13/2018	Final Inspection complete, awaiting close-out docs
5	Whitney Drive Subdivision	2018057	Asheville	28806	15	425	3/12/2021	Waiting on final inspection
6	Sterling Property	2018231	Asheville	28801	4	260	6/18/2021	Final Inspection complete, awaiting close-out docs
7	Timber Hollow Subdivision	2019049	Asheville	28805	18	525	7/28/2020	On hold
8	Millbrook Cottages	2019066	Asheville	28806	7	322	2/15/2022	Pre-con held, construction not yet started
9	UNC-A Edgewood Road Parking Lot	2019078	Asheville	28801	Comm.	373	7/19/2019	Final Inspection complete, awaiting close-out docs
10	Julian Woods Retirement Relocation	2019112	Asheville	28704	Comm.	1,083	3/17/2022	Pre-con held, construction not yet started
11	Ironwood Sewer Relocation	2019123	Asheville	28801	554	227	4/23/2021	Installing
12	Hawthorne at Haywood Phase 2	2019130	Asheville	28806	92	668	12/15/2020	Final Inspection complete, awaiting close-out docs
13	Overlook Circle Subdivision	2019256	Asheville	28803	7	180	8/11/2020	Final Inspection complete, awaiting close-out docs
14	Craggy Park Ph. 2	2020038	Asheville	28806	27	1,300	11/24/2020	Final Inspection complete, awaiting close-out docs
15	Crossroads at West Asheville Ph. 1	2020111	Asheville	28806	0	1,758	1/25/2022	Installing
16	Airport Road Commercial Relocation	2020152	Asheville	28704	Comm.	204	5/13/2021	Final Inspection complete, awaiting close-out docs
17	Amarx - Baker Drive	2021046	Asheville	28804	24	760	10/22/2021	Final Inspection complete, awaiting close-out docs
18	Burton Street	2021048	Asheville	28806	4	64	10/29/2021	Pre-con held, construction not yet started
19	Beloved Asheville	2021070	Asheville	28805	12	272	4/29/2022	Pre-con held, construction not yet started
20	20 Winding Road	2021106	Asheville	28803	10	220	11/2/2021	Final Inspection complete, awaiting close-out docs
21	328 Emma Road	2021131	Asheville	28806	17	665	11/5/2021	Pre-con held, construction not yet started
22	Busbee Ph. 1	2021245	Asheville	28803	210	4,245	4/26/2022	Final Inspection complete, awaiting close-out docs
23	808 Montreat Road	2015126	Black Mountain	28711	4	371	4/18/2017	Final Inspection complete, awaiting close-out docs
24	Chapman's Cove	2017227	Black Mountain	28711	10	430	9/21/2018	Final Inspection complete, awaiting close-out docs
25	Givens Highland Farms-Cottage Development	2018272	Black Mountain	28711	16	1,355	9/13/2019	Final Inspection complete, awaiting close-out docs
26	Padgettown Road - Phase 2	2019085	Black Mountain	28711	43	1,308	7/19/2019	Final Inspection complete, awaiting close-out docs
27	Sweet Birch Lane Phase 3	2020151	Black Mountain	28711	20	800	6/30/2021	Waiting on final inspection
28	Old Toll Road Subdivision	2020182	Black Mountain	28711	14	637	8/17/2021	Waiting on testing
29	Craven Hill Circle	2020195	Black Mountain	28711	3	380	11/5/2021	Pre-con held, construction not yet started
30	Waigthsstill Mountain Phase 2B	2015155	Buncombe Co.	28704	16	1,784	4/23/2019	Final Inspection complete, awaiting close-out docs
31	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Final Inspection complete, awaiting close-out docs
32	NCDOT I-5504 NC 191/I-26 Interchange	2016132	Buncombe Co.	28806	0	355	10/23/2017	Installing
33	Liberty Oaks Ph. 1B	2018063	Buncombe Co.	28715	24	615	11/5/2021	Waiting on final inspection
34	Upper Grassy Branch Road	2018087	Buncombe Co.	28805	6	250	8/31/2018	Waiting on final inspection
35	Victoria Hills (Lance Road) Ph. 1	2018094	Buncombe Co.	28704	38	1,176	3/6/2020	Installing
36	Victoria Hills (Lance Road) Ph. 2 & 3	2018094	Buncombe Co.	28704	54	2,180	3/6/2020	Testing
37	Starnes Cove Subdivision	2018106	Buncombe Co.	28806	14	315	9/6/2019	Final Inspection complete, awaiting close-out docs
38	Rockdale Subdivision	2018145	Buncombe Co.	28778	9	630	3/17/2020	Final Inspection complete, awaiting close-out docs
39	Reserve at Gashes Creek	2018208	Buncombe Co.	28803	190	1,940	8/2/2019	Final Inspection complete, awaiting close-out docs
40	Porter Road Subdivision	2019022	Buncombe Co.	28803	9	210	6/30/2021	Waiting on Testing
41	Reflection Pointe	2019032	Buncombe Co.	28806	270	1,995	6/30/2020	Final Inspection complete, awaiting close-out docs
42	Roberson Relocation	2019037	Buncombe Co.	28715	Comm.	200	4/24/2020	Pre-con held, construction not yet started
43	Jasper Apartments	2019086	Buncombe Co.	28778	100	760	12/8/2020	Final Inspection complete, awaiting close-out docs
44	Aiken Road Multi-Family	2019128	Buncombe Co.	28804	407	4,620	10/2/2020	Installing
45	Fairview Meadows Subdivision	2019142	Buncombe Co.	28730	42	1,460	8/28/2020	Final Inspection complete, awaiting close-out docs
46	Sycamore Cove Subdivision	2019158	Buncombe Co.	28803	26	570	6/9/2020	Waiting on final inspection
47	The Ramble - Tea House Ridge	2019159	Buncombe Co.	28803	22	8,050	9/21/2021	Installing
48	Fields Jaguar	2019169	Buncombe Co.	28704	Comm.	305	10/27/2020	Final Inspection complete, awaiting close-out docs
49	Laurelwood Village	2019216	Buncombe Co.	28704	29	855	5/25/2021	Final Inspection complete, awaiting close-out docs
50	CMH Homes - N. Louisiana Ave.	2019220	Buncombe Co.	28806	30	1,187	7/28/2020	Final Inspection complete, awaiting close-out docs
51	841 Charlotte Hwy	2019222	Buncombe Co.	28730	Comm.	110	4/20/2021	Pre-con held, construction not yet started
52	Creekside Cottages	2019255	Buncombe Co.	28704	6	400	3/12/2015	Phase 2 Construction Not started
53	The Farm at Pond Road	2020009	Buncombe Co.	28806	687	3,550	6/4/2021	Waiting on final inspection
54	Fisher Mill Road	2020015	Buncombe Co.	28704	3	380	10/20/2020	Final Inspection complete, awaiting close-out docs
55	Fountain Park Subdivision - Ph. 2	2020026	Buncombe Co.	28806	120	4,611	7/12/2019	Final Inspection complete, awaiting close-out docs
56	Virginia Commons	2020072	Buncombe Co.	28704	47	750	6/4/2021	Waiting on final inspection
57	Amarx - Clayton Road	2020075	Buncombe Co.	28704	24	1,080	4/16/2021	Final Inspection complete, awaiting close-out docs
58	CMH Avery Creek	2020080	Buncombe Co.	28704	10	580	2/8/2022	Installing
59	Kirkwood MHP (aka Rice MHP on-site)	2020166	Buncombe Co.	28715	75	2,610	12/21/2021	Testing
60	Habitat- Glenn Bridge Road	2020178	Buncombe Co.	28704	30	908	12/14/2021	Testing
61	Springs of North Asheville Ph. 2	2020190	Buncombe Co.	28804	120	855	10/29/2021	Waiting of final inspection
62	Project Ranger (aka Pratt & Whitney)	2020194	Buncombe Co.	28803	Comm.	256	12/7/2021	Final Inspection complete, awaiting close-out docs
63	Town Mountain Preserve Ph. 2	2020197	Buncombe Co.	28804	6	1,210	5/28/2021	Waiting on testing
64	Holbrook Road Subdivision - Ph. 3	2020243	Buncombe Co.	28715	29	1,365	4/27/2021	Final Inspection complete, awaiting close-out docs
65	Holbrook Road Subdivision - Ph. 4	2020244	Buncombe Co.	28715	12	454	4/27/2021	Final Inspection complete, awaiting close-out docs
66	Dollar Tree - Candler Sewer Relocation	2021001	Buncombe Co.	28715	Comm.	88	5/7/2021	Final Inspection complete, awaiting close-out docs
67	Village at Bradley Branch Ph. 4B	2021120	Buncombe Co.	28704	16	393	11/2/2021	Installing
68	Ramble Block M	2021133	Buncombe Co.	28803	16	2,880	4/26/2022	Installing
69	Hamrick Farms Ph. 2	2021160	Buncombe Co.	28715	48	1,247	3/8/2022	Testing
70	Nesbitt Farms Ph. 2	2018101	Cane Creek	28759	81	4,094	2/23/2021	Final Inspection complete, awaiting close-out docs
71	Collet Industrial (Banner Farm)	2020108	Cane Creek	28759	Comm.	255	11/20/2020	Final Inspection complete, awaiting close-out docs
72	Pardee Partners	2021058	Cane Creek	28759	Comm.	1,105	11/2/2021	Waiting on final inspection
73	Tap Root Ph. 1	2020024	Fletcher	28732	198	8,397	4/29/2022	Pre-con held, construction not yet started
74	Fernleaf Charter School	2020177	Fletcher	28732	Comm.	780	3/25/2022	Installing
75	Rutledge Road Subdivision Ph. 1	2021032	Fletcher	28732	31	1,594	3/1/2022	Installing
76	Suncap Warehouse	2021059	Fletcher	28732	Comm.	803	12/3/2021	Testing
77	828 North	2017153	Weaverville	28787	224	1,090	11/17/2020	Final Inspection complete, awaiting close-out docs
78	Ambler's Chase	2017249	Weaverville	28787	21	1,235	11/29/2018	Final Inspection complete, awaiting close-out docs
79	The Holston	2019133	Weaverville	28787	240	36	6/2/2020	Final Inspection complete, awaiting close-out docs
80	Palisades at Reems Creek	2020066	Weaverville	28787	132	1,020	3/24/2022	Pre-con held, construction not yet started
81	Northridge Commons Retail	2020147	Weaverville	28787	Comm.	790	12/1/2020	Final Inspection complete, awaiting close-out docs
82	Greenwood Park Ph. 2	2020245	Weaverville	28787	25	1,560	5/25/2021	Final Inspection complete, awaiting close-out docs
83	18 Wildwood Park Sewer Relocation	2021129	Weaverville	28787	1	147	2/22/2022	Pre-con held, construction not yet started
84	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Final Inspection complete, awaiting close-out docs
85	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
86	Brown Avenue aka Wolf Tract	2017029	Woodfin	28806	6	219	6/4/2021	Installing
87	Skyfin-Terraces at Reynolds Mtn - Phase 4	2020167	Woodfin	28804	5	100	8/8/2017	Final Inspection complete, awaiting close-out docs
88	Brown Avenue	2018267	Woodfin	28804	3	62	7/2/2019	Final Inspection complete, awaiting close-out docs
89	Serenity Townhomes	2020037	Woodfin	28804	8	480	7/14/2020	Waiting on testing
90	Weaverville Road Subdivision	2020123	Woodfin	28804	4	600	4/6/2021	Pre-con held, construction not yet started
91	West City View	2020155	Woodfin	28804	21	845	7/23/2021	Waiting on testing
<b>TOTAL</b>					<b>4,813</b>	<b>104,099</b>		



**CAPITAL IMPROVEMENT PROGRAM**

**STATUS REPORT SUMMARY**

**May 11, 2022**

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BRYSON STREET	Biltmore Village	Terry Brothers Construction Company	8/18/2021	8/25/2021	5/1/2022	\$309,630.00	100%	Complete and in close out. COA to perform asphalt paving.
CHRISTIAN CREEK INTERCEPTOR	Buncombe County	Buckeye Bridge LLC	12/15/2021	3/14/2022	7/7/2023	\$5,938,455.00	0%	Contractor is mobilized and materials are being delivered on site.
MANETTA ROAD @ JOHNSON DRIVE PHASE 1	Asheville 28804	Terry Brothers Construction Company	6/18/2021	7/1/2021	5/1/2022	\$265,358.74	100%	Complete and in close out.
MOUNTAINBROOK ROAD @ CHUNNS COVE ROAD	Asheville 28805	Terry Brothers Construction Company	1/19/2022	1/20/2022	6/1/2022	\$900,810.00	95%	Waiting on paving and final inspection.
SPRINGSIDE ROAD @ OVERLOOK ROAD	Asheville 28803	Huntley Construction Company	5/19/2021	9/23/2021	6/30/2022	\$819,170.00	75%	Construction is progressing, hoping to cross Springside Road this week.
WRF - EQUIPMENT STORAGE FACILITY	Woodfin	Cooper Construction Company	10/20/2021	3/28/2022	3/28/2023	\$3,008,962.18	4%	Contractor continues working on demolition of piers.
WRF - INCINERATOR ASH LAGOON RESTORATION, PHASE 1	Woodfin	Chonzie, Inc.	12/15/2021	1/18/2022	6/1/2022	\$473,914.06	90%	Clean-up underway.
WRF - INCINERATOR ASH LAGOON RESTORATION, PHASE 2	Woodfin	Chonzie, Inc.	3/9/2022	3/10/2022	6/1/2022	\$241,113.31	50%	Contractor working on vegetation removal and other restoration items.
WRF- PLANT HIGH RATE PRIMARY TREATMENT	Woodfin	Shook Construction Company	10/17/2018	1/7/2019	6/30/2022	\$15,319,516.52	98%	Contractor continues working on punch list.
WRF - RBC SLIDE GATE REPLACEMENT	Woodfin	IPC Structures	10/20/2021	3/24/2022	10/20/2022	\$286,500.00	0%	Contractor mobilized and prepared to start soon.
WEST CRABAPPLE LANE	Asheville 28804	TP Howard's Plumbing	10/20/2021	12/13/2021	5/1/2022	\$351,575.00	100%	Project is complete and in close out.

\*Updated to reflect approved Change Orders and Time Extensions