

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
OCTOBER 16, 2013**

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 p.m., Wednesday, October 16, 2013. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Frost, Kelly, Manheimer, Pelly, Root, Russell, and Watts. Mr. Stanley was absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, P.A., Steve Shoaf with the City of Asheville Water, Joseph Martin with Woodfin Sanitary Water & Sewer District, Patty Beaver with CIBO, and MSD Staff, Peter Weed, Ed Bradford, Scott Powell, Mike Stamey, Ken Stines, Jim Hemphill, Matthew Walter, Angel Banks and Sondra Honeycutt.

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 September 18, 2013 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the September 18, 2013 Board Meeting. With no changes, Mr. Watts moved for approval of the minutes as presented. Mr. Russell seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

Mr. Vahaun welcomed Mr. Martin, Mr. Shoaf and Ms. Beaver. There was no public comment.

6. Report of the General Manager:

Mr. Hartye reported that after the Board meeting, Staff will give a tour of the Regional Treatment Plant for all Board Members who can stay on. He called on Peter Weed to give a PowerPoint presentation on the plant.

Mr. Weed reported MSD's ISO commitment includes Pollution Protection, Regulatory Compliance and Continuous Improvement. He stated there are 41 employees that help maintain operations to stay in compliance, and who have won numerous Peak Performance awards at the plant. He further reported the Treatment Plant started operation in 1967. The plant was expanded in the late 1980's to 40 MGD with an Average Daily Flow of approximately 22 MGD; 152 RBC's (the world's largest); 2800 KW Hydroelectric Generation Facility and a 2 MW Diesel Generator Back-up (currently in the final phase of expanding to 4MW for complete operational back-up).

He presented a slide showing an actual SCADA control panel view where operators can go to key parts of the facility to retrieve data. He reported that wastewater treatment is simple; the 66" major interceptor comes to the plant and the first step is the Barscreens for removable of debris, gravel, rags, etc. at about 22 MGD. He stated the MGD used to be lower, but last year was a very wet year; causing ground water to infiltrate. Mr. Hartye stated when there was a lot industry it was as high as 24MGD. Mr. Pelly asked about the percent of rainwater. Mr. Hartye stated it can be as high 40% from storms inflowing in as well as infiltration from groundwater. Ms. Frost asked where

the gravel comes from. Mr. Weed stated it comes through penetrations into the system; breaks in the pipes, dislodged segments or open manhole covers. He further stated that because wastewater flows in 30 feet below the surface, 400hp pumps are needed to lift it up for the next stage of treatment. Mr. Weed reported the next step is grit and grease removal. He presented slides showing channels that have a swirling action that lets grit drop to the bottom and grease float to the top. Grit, sand, debris and grease are transported to the Buncombe County landfill.

Mr. Weed reported the next process is the Primary and Secondary Microscreens, which never functioned well. This is where you would drop out a lot of finer and heavier solids. Mr. Hartye reported that in the 1980's the EPA offered grant money for innovative technology. As a result, a couple portions of the plant (microscreens; the ultra-filter press, and RBC's) were the benefit of that. He stated the reason why these technologies were utilized was because there was not a lot of room for conventional treatment.

Mr. Weed reported that the backbone of wastewater treatment is the RBC's, which provide the surface area for zoogeal mass (slime) to grow and feed on the dissolved organic solids such as sugars and starches. He said it takes four (4) 450 hp blowers to keep the RBC's turning. Mr. Weed reported that near the end of the RBC biological process (3) 200hp intermediate pumps are required to lift water to the next step. He stated that the new electric driven pumps replaced very noisy and less efficient hydraulic units saving about \$75k annually in energy costs. The water is lifted to the Intermediate Clarifier, which was not part of the original upgrade, but later added due to performance failures at the Secondary Microscreens, and installed at no cost to MSD ratepayers. He further stated this is a very important stage in the process where water and solids take separate paths. Water flows over the top of Weir channels while settled solids are collected and pumped from the bottom to the filter building. The filter building is the largest installation of its kind in the world and reduces the solids that would have gone into the French Broad River by more than 50% at a cost of \$10 million dollars. From there the filtered water must be disinfected with sodium hypochlorite, than de-chlorinated with sodium bisulfite prior to metering and discharge into the French Broad River. The solids settle down in gravity thickeners then move on to incineration and ash disposal. The solids are then dewatered in the belt filter presses to form a cake that is 22 to 28% dry. He stated that MSD burns about 15 tons of solids per day in this cost effective process. He presented samples of residuals from the incinerator. He stated that incinerator improvements to the heat exchanger, interconnecting ductwork, venturi scrubber and new air quality removal systems are needed to meet future permit regulations. He presented a slide showing the MSD Incinerator System and explained how it works.

Mr. Weed reported MSD must pump wherever gravity sewers are not possible. He stated there are over 30 pump stations requiring daily trips, careful maintenance, backup power and sometimes odor control systems. He presented slides showing some of the pump stations.

Mr. Weed reported the Craggy Hydroelectric Facility was dedicated in 1903 and renovated in the 80's. He stated that three 850kw hydraulic generators are capable of offsetting more than \$1,000.00 per day during periods of adequate rainfall (typical avoided power costs run \$300,000 to \$400,000 yearly). He presented slides showing the power plant and the dam. Mr. Watts asked if the RBC's eat up all of the contaminants. Mr. Weed stated it's a biological treatment when it gets to the RBC process. Mr. Hartye explained that the RBC's simply speed up the natural process. Mr. Martin asked how many pharmaceuticals are coming through the water and has it decreased. Mr. Weed stated MSD tries to educate the public on proper disposal. Mr. Kelly asked what quantity from the incinerator is produced daily and where does it go. Mr. Weed stated there is 15 tons of dry solids per day which is pumped to the lagoon.

Mr. Kelly asked what happened to the nutri-lime facility. Mr. Weed stated the facility is no longer utilized due to the lack of demand for the product. The process required combining sludge with kiln dust and lime, hauled up to facility above the plant and was about three times the cost per ton. Ms. Manheimer asked how much is 15 tons. Is it a dump truck load? Mr. Weed said yes.

Mr. Hartye further reported the United Way Golf Tournament was a success with 52 players including Board Members, employees, and outside sponsors who helped MSD raise over \$6,400 as a significant part of the campaign to support local charities. He expressed his thanks to Sheila Kilby and Peter Weed for their efforts in this success.

Mr. Hartye reported that Steve Brady of 171 Charlotte Street called with regard to the Blair Street project which involved water, storm water and MSD. He wanted to express his appreciation for MSD in general and Mike Stamey in particular for taking responsibility and for doing a great job for the final clean up and restoration. Also, Mr. Camp from 16 Lowell Street called and stated he could not have been more satisfied with Grady Brooks who was sent out on his sewer problem on October 4th. He said "Grady was very helpful, friendly, and knowledgeable and he appreciated that we have such people working for us. On a scale of 1-10, he was a 10!"

Mr. Hartye reported the next Right of Way Meeting will be held on October 23rd at 9 am. The next regular Board Meeting will be held November 20th at 2 pm.

7. Report of Committees:

Right of Way Committee

Mr. Watts reported the Right of Way Committee met September 25, 2013 to consider Condemnation of the Indiana Avenue GSR Project, which was resolved thanks to Staff. The Committee also considered Compensation Budgets which are a part of the Consolidated Motion Agenda.

8. Consolidated Motion Agenda:

a. Consideration of Compensation Budgets – Merrimon Avenue @ Clearview Terrace GSR Project; Shiloh Road Rehabilitation Project, and Sunset Drive @ Bee Tree Road GSR Project:

Mr. Hartye reported the Merrimon Avenue @ Clearview Terrace GSR project consists of about 505 linear feet of 8" DIP to replace existing 6" VCP and is scheduled to bid in FY 14-15. The Shiloh Road project consist of about 370 linear feet of 12" DIP to replace 10" and 12" PVC and is to be constructed by MSD System Services. The Sunset Drive @ Bee Tree Road GSR project consist of 1055 linear feet of 8" DIP to replace 4", 6" and 8" VCP and is scheduled to bid in FY 14-15. The Right of Way Committee recommends approval of the Compensation Budgets.

b. Consideration of Bids Sanitary Sewer Rehabilitation Project – Old US 70 @ Grovemont:

Mr. Hartye reported this project is for the replacement of aged sewer lines which serve the Grovemont area in Swannanoa. The existing clay lines are in poor structural condition, which has caused multiple SSO's and repeated maintenance calls over time. The project is comprised of 4,690 linear feet of 8" and 12" DIP. The following bids were received on September 26, 2013: Buchanan and Sons with a bid of \$1,303,155.00; Terry Brothers Const. Co. with a bid of \$1,117,813.00; Huntley Const. Co. with a bid of \$901,103.68, and Buckeye Const. Co. with a bid of

\$729,740.90. Staff recommends award of this contract to Buckeye Const. Co. in the amount of \$729,740.90, subject to review and approval by District Counsel.

c. Consideration of Bids Sanitary Sewer Rehabilitation Project – Brookcliff Drive PRP:

Mr. Hartye reported this project is for the replacement of aged clay sewer lines located in the Beaverdam area of North Asheville. The project was generated through MSD's Pipe Rating program and is comprised of 1,438 linear feet of 8" and 12" DIP. The following bids were received on September 26, 2013: Buchanan & Sons with a bid of \$602,890.00; Terry Brothers Const. Co., with a bid of \$393,429.50; Huntley Const. Co. with a bid of \$388,742.12 and Buckeye Const. Co. with a bid of \$336,992.50. Staff recommends award of this contract to Buckeye Construction Co. in the amount of \$336,992.50, subject to review and approval by District Counsel.

d. Cash Commitment Investment Report – Month Ended August 31, 2013:

Mr. Powell reported that Page 24 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 25 is the MSD Investment Manager Report as of the month of August. The weighted average maturity of the investment portfolio is 342 days. The yield to maturity is .82% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 26 is an analysis of the District's Cash Receipts. Monthly and YTD domestic sewer revenue is considered reasonable based on historical trends. Monthly and YTD Industrial Sewer Revenue as well as Facility and Tap Fees are considered reasonable, taking into account the unpredictability of cash receipts. Page 27 is an analysis of the District's Expenditures. Monthly and YTD expenditures are considered reasonable based on historical trends. Page 28 is the MSD Variable Debt Service report. Both the 2008 A&B Series are performing better than budgeted expectations. As of the end of September, both issues have saved the District customers approximately \$3.0 million dollars in debt service since April, 2008.

Mr. VeHaun called for discussion. With no discussion, Mr. Watts moved the Board approve the Consolidated Motion Agenda as presented. Ms. Manheimer seconded the motion. Roll call vote was as follows: 11 Ayes; 0 Nays.

9. Old Business:

None

10. New Business:

With regard to the lawsuit, Mr. Clarke reported that in the Case Management Order, the City of Asheville agrees to file an amended complaint; adding a Constitutional Claim. The State agrees to file an answer and MSD agrees to file an answer to the amended complaint as well. The parties have 120 days to do discovery. Then they have 30 days to file motions, then 30 days for the opposing party to respond. This would put the Judge in a position to decide everything in the case. Given that schedule, it looks as though there could be a decision from the trial court late first quarter or second quarter of 2014.

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:43 p.m.

<h1 style="margin: 0;">MSD</h1> <h2 style="margin: 0;">Regular Board Meeting</h2>

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 10/16/13

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. Approval of Minutes of the September 18, 2013 Board Meeting.	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda	VeHaun	2:15	
	04. Informal Discussion and Public Comment.	VeHaun	2:20	
	05. Report of General Manager	Hartye	2:30	
	06. Report of Committees: Right of Way Committee: 9/25/13 – Glenn Kelly	VeHaun	2:45	
	07. Consolidated Motion Agenda		2:55	
	a. Consideration of Compensation Budgets: Merrimon @ Clearview Terrace GSR; Shiloh Road Rehabilitation Project and Sunset Drive @ Bee Tree Road GSR.	Hartye		
	b. Consideration of Bids Sanitary Sewer Rehabilitation Project – Old US 70 @ Grovemont .	Hartye		
	c. Consideration of Bids Sanitary Sewer Rehabilitation Project– Brookcliff Drive PRP.	Hartye		
	d. Cash Commitment Investment Report – Month Ended August 31, 2013.	Powell		
	08. Old Business	VeHaun	3:05	
	09. New Business	VeHaun	3:10	
	10. Adjournment (Next Meeting (11/20/13))	VeHaun	3:15	
	STATUS REPORTS			

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
SEPTEMBER 18, 2013**

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 p.m., Wednesday, September 18, 2013. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Kelly, Manheimer, Pelly, Root, Stanley and Watts. Ms. Frost and Mr. Russell were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, P.A., Joseph Martin with Woodfin Sanitary Water and Sewer District, Marcus Jones with Henderson County, Patty Beaver with CIBO and MSD Staff, Stan Boyd, Ed Bradford, Scott Powell, Mike Stamey, Ken Stines, Matthew Walter, Jim Hemphill, Dennis Lance, Roger Edwards and Sondra Honeycutt.

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 August 21, 2012 Board Meeting:

Mr. VeHaun stated there is one correction to the Minutes of the August 21, 2013 Board Meeting in that Matt Ashley and Chris Pelly were in attendance. With no further changes, Mr. Pelly moved the Minutes be approved as amended. Mr. Stanley seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

Mr. VeHaun welcomed Ms. Beaver, Mr. Martin and Mr. Jones. There was no public comment.

6. Report of General Manager:

Mr. Hartye reported that following the October Board Meeting (weather permitting) Staff will give a tour of the Regional Treatment Plant for all Board Members who can stay. He stated that during the meeting, Peter Weed will give a virtual tour of the plant, pump stations and hydroelectric facility.

With regard to HB488, Mr. Hartye called on Mr. Clarke to give an update on the legal process that is underway. Mr. Clarke reported a hearing was held September 6, 2013 in Raleigh. He and Mr. Hartye attended for MSD. The subject of the hearing was a motion by the City of Asheville for a Preliminary Injunction and the State of North Carolina had filed a motion to dismiss the lawsuit. There was argument from the City of Asheville and the State of North Carolina that went on from 10 a.m. to 12:30 p.m., with most of the argument on the part of the City of Asheville Attorney. He stated the Judge had not looked at anything prior to the hearing. It had been previously agreed that the Temporary Restraining Order would remain in effect until October 14 to give the Judge time to rule. He further reported the Judge convened a conference call last week with the Attorneys involved and encouraged them to get the case in a posture where he could decide everything with one ruling. He wanted the State to file an answer and the parties to agree to file cross motions for Summary Judgement. The Judge talked about a deadline of about 150 days, with a decision in January, because he recognizes whoever wins or loses, they will appeal his decision. The Judge did not give any indication as to how he

would rule other than to say if he's not in a position to make one ruling, he would deny the State's motion to dismiss and would issue a ruling on the Preliminary Injunction. Ms. Manheimer asked if the Judge gave a deadline for a decision by the parties to accept his suggestion. Mr. Clarke said no, but he thinks it's fair to say everyone seems to think his suggestion is okay and are waiting for an Order to be drafted and circulated.

For the benefit of new Board Members, Mr. Hartye gave a presentation on MSD's website (msdbc.org). He reported the homepage gives emergency numbers for customers that are experiencing sewer problems. A virtual tour of the plant is also available. He suggested that Members take advantage of this tour prior to the October meeting when this will be discussed and an actual tour will take place following the meeting. The "About Us" section gives a History of MSD; Board of Directors information; Location, Presentations about MSD; Benefits; Employment Opportunities; Financials that include Annual Budgets and CAFR's; Forms, Industrial; Related Agencies; Meeting Notices; MSD Board Agenda; MSD Board Minutes and New Development, which includes Construction Details; Sewer Extension Manual and Policy and Sewer Service Application. He further reported that the website also offers MSD's Annual Report (SPAR); Policies & Ordinances which include Billing Policy; Environmental Policy; Enforcement Response Plan; Municipal Annexation Sewer Systems Extensions; ROW Acquisition; Sewer Extension Policy and Sewer Use Ordinance. The "Projects" section includes Advertisement for Bids; Bid Results; CIP FY2014-2023 Budget; CIP Project Status Report; Pipe Rating Program and Planholder's Lists. The "Rates" section includes Current Rates; History of Rates and MSD Rates and Funding. In addition, there are Sewer Maps; Street Interruptions; Survey Standards; Water Studies and Site Map.

Mr. Hartye presented a thank you letter from Steve Aceto.

Mr. Hartye reported that the annual MSD – United Way Golf Classic will be held Friday, October 4th at Broadmoor with a 9 a.m. shotgun start. Contact Peter Weed or Sheila Kilby for more information.

Mr. Hartye reported that Irene Dillingham of Montreat Road called on August 7th to express gratitude for the work performed at her house by Roy Lytle, Robert Denny, Josh Matthews, Mitchell Metcalf, Tommie Brooks and Wayne Rice. He further reported MSD received an email from Kristen Lee of Vivax-Metrotech Corporation regarding help she received from Amy Alexander, and an email from Jon Arge of Warwick Road in Kenilworth regarding the crew of Roy Lytle, John Gosnell, Robert Denny and Dale Dillingham.

Mr. Hartye reported that several retirements are planned for this fall and wanted to make note of two present at today's meeting. First, Dennis Lance who has been lead operator at the plant for 27 years. He stated that Dennis worries about the plant 24/7-365; gets called up in the middle of the night when things go wrong, and during holidays and inclement weather, Dennis is the one who responds. Also, Dennis gives informative and entertaining plant tours. Second is Stan Boyd who has been with MSD for 23 years. He stated that Stan has been at MSD since and during consolidation; has always been willing to lend a hand and more often a kind ear to everyone and has become a close friend to all. Mr. Boyd stated he has enjoyed his tenure at MSD and that the Board has been very good to its employees and to him and he appreciates that. He further stated that it's been a very good career and he wished the Board the greatest. Mr. Hartye introduced MSD's new Plant Operations Manager Mr. Roger Edwards who has had many years' experience both on the operations end and the regulatory end and formerly was the Regional Coordinator for DENR. Mr. Hartye welcomed Mr. Edwards and said MSD is very happy to have him on board.

Mr. Hartye reported the next Right of Way Committee Meeting will be held on September 25th at 9 a.m. The next regular Board Meeting will be October 16th at 2 p.m. The employee picnic will be held Thursday, September 19th behind the Maintenance Facility.

7. Consolidated Motion Agenda:

a. Consideration of Bids – Sanitary Sewer Rehabilitation Project – Merrimon Avenue @ Stratford Road:

Mr. Hartye presented a map showing the location of the project and what has been done over the last 10-15 years in this area of the lake. He reported this project is for the replacement of aged sewer lines which serve a residential area immediately west of Beaver Lake and includes replacement of a portion of the main interceptor which serves the Beaverdam Creek drainage basin. The project is comprised of 2,400 linear feet of 8-inch through 30-inch DIP. The contract was advertised and the following bids were received on August 29, 2013: Buckeye Construction Co., with a bid of \$1,000,277.30; Ruby-Collins with a bid of \$858,363.00; Huntley Construction Co. with a bid of \$847,727.51 and Terry Brothers Construction Co., with a bid of \$774,177.00. Note, the bid of Huntley Construction Co. did not provide a bid bond; therefore, the bid was rejected. Staff recommends award of this contract to Terry Brothers Construction Co., in the amount of \$774,177.00, subject to review and approval by District Counsel.

b. Consideration of Bids – Slide Gate Repair Project at Water Reclamation Facility:

Mr. Hartye reported this project is for the replacement of slide gates for the Rotating Biological Contactors (RBC's) at the plant. He stated these gates control flow within the basins and helps to maintain the RBC's in good working order. He stated there are three RBC Basins. The gates in Basin one is operational and function properly. The gates in Basins two and three do not work properly and must be replaced. He further reported the contract was advertised and the following eight bids were received on August 29, 2013: RTD Construction, Inc. with a bid of \$595,000.00; Ruby-Collins, Inc. with a bid of \$595,000.00; Hickory Construction Co., with a bid of \$564,100.00; Haren Construction Co., with a bid of \$555,000.00; Dellinger, Inc. with a bid of \$547,600.00; James E. Harris Construction Co., with a bid of \$506,686.00; Turner Murphy Company, Inc. with a bid of \$352,610.00 and NHM Constructors, LLC with a bid of \$288,924.00. He stated that the low bidder (NHM Constructors, LLC) is a new company and has not completed any projects for MSD. NHM is a local company which was formed from an existing company (Taylor-Murphy) at the beginning of 2013. He stated the majority of their work to date has been NCDOT type work but Staff obtained independent references from similar plant-type work that NHM previously completed and the references all had favorable comments. Staff recommends award of this contract to NHM Constructors, LLC in the amount of \$288,924.00, subject to review and approval by District Counsel.

c. Consideration of Developer Constructed Sewer Systems: Davidson Road; Harris Teeter; Myers Project and New Salem Road:

Mr. Hartye reported the Davidson Road Project is located inside the District boundary in Buncombe County and included the installation of approximately 112 linear feet of 8" gravity sewer to serve a three (3) unit residential subdivision.

Mr. Hartye reported the Harris Teeter Project is located inside the District boundary at the intersection of Chestnut Street and Merrimon Avenue in the City of

Asheville. The project included the installation of approximately 790 linear feet of 8” gravity sewer to serve a commercial/retail development.

Mr. Hartye reported the Myers Project is located inside the District boundary at the intersection of Round Top and Bellevue Road in the City of Asheville. The project included the installation of approximately 146 linear feet of 8” gravity sewer to serve a five (5) unit residential subdivision.

Mr. Hartye reported the New Salem Road Project is located inside the District boundary in Buncombe County and included the installation of approximately 40 linear feet of 8” gravity sewer to serve a five (5) unit affordable residential subdivision.

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

d. Cash Commitment/Investment Report – Month Ended July 31, 2013:

Mr. Powell reported that Page 34 presents the makeup of the District’s Investment Portfolio. He stated there has been a \$5.4 million dollar decrease from the previous month which is a direct result of the District meeting its July 1st debt service obligation. Page 35 is the MSD Investment Manager Report as of the month of August. The weighted average maturity of the investment portfolio is 371 days. The yield to maturity is 0.81% and exceeds MSD benchmarks of the 6 month T-Bill and NCCMT cash portfolio. Page 36 is an analysis of the District’s Cash Receipts. Monthly domestic sewer revenue is considered reasonable based on historical trends. Monthly and YTD Industrial Sewer Revenue as well as Facility and Tap Fees are considered reasonable based on historical trends. Page 37 is an analysis of the District’s Expenditures. Monthly and YTD expenditures are considered reasonable based on historical trends. Page 38 is the MSD Variable Debt Service report. The 2008 A Series is performing better than budgeted expectations and as of the end of August, this issue has saved District customers approximately \$2.9 million dollars in debt service.

Mr. Watts moved the Board approve the Consolidated Motion Agenda as presented. Mr. Pelly seconded the motion. With no discussion, Mr. VeHaun called for the question. Roll call vote was as follows: 10 Ayes; 0 Nays.

8. Old Business:

None

9. New Business:

None

10. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:25 p.m.

Jackie W. Bryson, Secretary/Treasurer

MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: October 10, 2013
SUBJECT: Report from the General Manager

- Treatment Plant Tour and Presentation

After the October 16th Board Meeting (weather permitting) we will give a tour of the Regional Treatment Plant for all Board Members who can stay on. During the meeting Peter Weed will give a presentation on the plant, pump stations and hydro-electric facility. A reminder that the MSD website has a short virtual tour which can serve as a primer.

- United Way Golf Tournament

The golf tournament was a success with 52 players including Board members, employees, and outside sponsors who helped us raise over \$6400 as a significant part of the MSD United Way campaign to support local charities. Many thanks to Sheila Kilby and Peter Weed for there efforts in this success.

- Kudos

- Steve Brady of 171 Charlotte Street called with regard to the Blair Street project which involved water, storm water and MSD. He wanted to express his appreciation for MSD in general and Mike Stamey in particular for taking responsibility and for doing a great job for the final clean up and restoration.
- Mr. Camp from 16 Lowell Street called and stated that he could not have been more satisfied with Grady Brooks who was sent out on his sewer problem on October 4th. "Grady was very helpful, friendly, and knowledgeable and he appreciated that we have such people working for us. On a scale of 1-10, he was a 10!"

- Board/Committee Meetings

The next Right of Way Meeting will be held on October 23rd, at 9am. The next Regular Board Meeting will be November 20th, at 2 pm.

**RIGHT OF WAY
COMMITTEE RECOMMENDATIONS
AND MINUTES
September 25, 2013**

I. Call To Order

The regular monthly meeting of the Right of Way Committee was held in the Boardroom of the William H. Mull Building and called to order at 9:00 a.m. on Wednesday, September 25, 2013. The following Right of Way Committee members were present: Bob Watts, Jackie Bryson, Ellen Frost, Esther Manheimer and Chris Pelly.

Others present were: Tom Hartye, Ed Bradford, Angel Banks, Shaun Armistead, Wesley Banner and Pam Nolan, M.S.D.

In Mr. Kelly's absence, Mr. Watts served as Chairman.

II. Inquiry as to Conflict of Interest

Mr. Watts inquired if anyone had a conflict of interest with Agenda items. There were none.

III. Consideration of Condemnation – Indiana Avenue GSR–Project No. 2007017

PIN No. 9638-52-3060 –

Subject property is located in the West Asheville area and is improved with residential use. The existing alignment crosses the northeastern corner of the lot. The new alignment shifts a portion of the existing line onto an adjacent lot, thereby reducing the easement area on subject. We have been unsuccessful in locating a phone number to contact the property owner at despite doing an internet search.

We did locate a prior address and spoke with the current occupant and they did not know this owner. We have left several door hangers at the residence requesting a return call to discuss the project. The property owner appeared to be home during three of these visits. However, they would not answer the door. Despite numerous door hangers and letters, the property owner has been non-responsive.

Total Contacts: 5

STAFF RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation.

***NOTE – Owner signed and mailed in Easement Agreement the afternoon before this meeting. No recommendation necessary.**

IV. Consideration of Compensation Budgets –

Merrimon Avenue @ Clearview Terrace GSR, Project No. 2007012
Shiloh Road Rehabilitation, Project No. 2012137
Sunset Drive @ Bee Tree Road GSR, Project No. 2008153

The attached Compensation Budgets are based on current ad valorem tax values and follow the MSD approved formula.

STAFF RECOMMENDATION: Approval of Compensation Budgets.

Ms. Banks reviewed the projects. The Merrimon Avenue @ Clearview Terrace GSR project is located along Merrimon Avenue and consists of about 505 linear feet of 8" DIP to replace existing 6" VCP. This project is scheduled to bid in FY '14-'15. The Shiloh Road project is located between Shiloh Road and West Chapel road and consists of approximately 370 linear feet of 12" DIP to replace 10" and 12" PVC. This project is to be constructed by MSD System Services once the easements are acquired. The Sunset Drive @ Bee Tree Road GSR project consists of 1055 linear feet of 8" DIP to replace 4", 6" and 8" VCP. This project is scheduled to bid in FY '14-'15. There was no discussion.

Ms. Manheimer made the motion to approve the Compensation Budgets. Ms. Frost seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Approval of Compensation Budgets.

V. Other business:

Ms. Banks pointed out that there have been no condemnations since February of this year. The condemnation in February was mediated and resolved. She thanked Wesley Banner and Ellen McKinnon for their excellent negotiation work.

There was some discussion regarding a City of Asheville sidewalk project in the Shiloh Road area. Mr. Bradford stated that MSD Staff would follow up. Mr. Armistead stated that he did not think this was in the same area.

There being no further business the meeting adjourned at 9:06 am.

Metropolitan Sewerage District of Buncombe County Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 9/25/2013

BOARD MEETING DATE: 10/16/2013

SUBMITTED BY: Tom Hartye, PE, General Manager
 PREPARED BY: Angel Banks, Right of Way Manager
 REVIEWED BY: Ed Bradford, PE, Director of CIP

SUBJECT: Consideration of Compensation Budgets –

**Merrimon Avenue @ Clearview Terrace GSR, Project No. 2007012
 Shiloh Road Rehabilitation, Project No. 2012137
 Sunset Drive @ Bee Tree Road GSR, Project No. 2008153**

The attached Compensation Budgets are based on current ad valorem tax values and follow the MSD approved formula.

STAFF RECOMMENDATION: Approval of Compensation Budgets.

Ms. Banks reviewed the projects. The Merrimon Avenue @ Clearview Terrace GSR project is located along Merrimon Avenue and consists of about 505 linear feet of 8” DIP to replace existing 6” VCP. This project is scheduled to bid in FY ’14-’15. The Shiloh Road project is located between Shiloh Road and West Chapel road and consists of approximately 370 linear feet of 12” DIP to replace 10” and 12” PVC. This project is to be constructed by MSD System Services once the easements are acquired. The Sunset Drive @ Bee Tree Road GSR project consists of 1055 linear feet of 8” DIP to replace 4”, 6” and 8” VCP. This project is scheduled to bid in FY ’14-’15. There was no discussion.

Ms. Manheimer made the motion to approve the Compensation Budgets. Ms. Frost seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Approval of Compensation Budgets.

COMMITTEE ACTION TAKEN	
Motion by: Esther Manheimer	To: <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by: Ellen Frost	<input type="checkbox"/> Table <input type="checkbox"/> Send back to Staff
	<input type="checkbox"/> Other
BOARD ACTION TAKEN	
Motion by:	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to Staff

Merrimon Avenue @ Clearview Terrace GSR

Project Number 2007012

Compensation Budget

18-Sep-13

Pin Number and Name

27 Pin	83 Pin	Acres	Parcel SF	Land Value	LV/SF	PE	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time (Months)	TCE Rent Value	Total Comp. (Rounded)
	9649394057	16.51	719,175.60	\$1,994,900.00	\$2.77	4,546.79	\$12,594.61	\$6,297.30	6,717.80	\$18,608.31	\$1,860.83	3	\$465.21	\$6,763
	9649389484	0.73	31,798.80	\$731,400.00	\$23.00	1,848.27	\$42,510.21	\$21,255.11	1,636.60	\$37,641.80	\$3,764.18	3	\$941.05	\$22,196
	9649387576	0.76	33,105.60	\$588,600.00	\$17.78	0.00	\$0.00	\$0.00	1,889.80	\$33,600.64	\$3,360.06	3	\$840.02	\$840

TOTALS:	\$29,799
Staff Contingency:	\$5,000
GM's Contingency	\$5,000
Amendment	
Total Budget:	\$39,799

Shiloh Road Rehabilitation

Project Number 2012137

Compensation Budget

18-Sep-13

Pin Number and Name

27 Pin	83 Pin	Acres	Parcel SF	Land Value	LV/SF	PE	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time (Months)	TCE Rent Value	Total Comp. (Rounded)
	9657132307	0.37	16,117.20	\$32,700.00	\$2.03	1,842.40	\$3,740.07	\$1,870.04	1,957.90	\$3,974.54	\$397.45	1	\$33.12	\$1,903
	9657130511	2.12	92,347.20	\$58,100.00	\$0.63	946.20	\$596.11	\$298.05	58.50	\$36.86	\$3.69	1	\$0.31	\$298
	9657132408	0.42	18,295.20	\$26,600.00	\$1.45	1,059.70	\$1,536.57	\$768.28	560.40	\$812.58	\$81.26	1	\$6.77	\$775
	9657132556	0.47	20,473.20	\$27,000.00	\$1.32	386.90	\$510.71	\$255.35	880.70	\$1,162.52	\$116.25	1	\$9.69	\$265

TOTALS:	\$3,242
Staff Contingency:	\$5,000
GM's Contingency	\$5,000
Amendment	
Total Budget:	\$13,242

Sunset Drive @ Bee Tree Road GSR

Project Number 2008153

Compensation Budget

18-Sep-13

Pin Number and Name

27 Pin	83 Pin	Acres	Parcel SF	Land Value	LV/SF	PE	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd.	10% Annl Return	Proj Time (Months)	TCE Rent Value	Total Comp. (Rounded)
	9689254744	0.69	30,056.40	\$35,600.00	\$1.18	3,778.40	\$4,458.51	\$2,229.26	2,527.30	\$2,982.21	\$298.22	3	\$74.56	\$2,304
	9689255804	0.30	13,068.00	\$31,700.00	\$2.43	112.30	\$272.89	\$136.44	2,089.40	\$5,077.24	\$507.72	3	\$126.93	\$263
	9689252888	0.28	12,196.80	\$31,400.00	\$2.57	1,429.90	\$3,674.84	\$1,837.42	1,345.40	\$3,457.68	\$345.77	3	\$86.44	\$1,924
	9689252187	13.49	587,624.40	\$88,300.00	\$0.15	0.00	\$0.00	\$0.00	14,656.60	\$2,198.49	\$219.85	3	\$54.96	\$55
	9689253985	0.39	16,988.40	\$32,900.00	\$1.94	270.50	\$524.77	\$262.39	2,240.20	\$4,345.99	\$434.60	3	\$108.65	\$371
	9689253842	0.30	13,068.00	\$31,700.00	\$2.43	1,721.60	\$4,183.49	\$2,091.74	1,527.00	\$3,710.61	\$371.06	3	\$92.77	\$2,185
	9689252926	0.31	13,503.60	\$31,900.00	\$2.36	8.30	\$19.59	\$9.79	288.30	\$680.39	\$68.04	3	\$17.01	\$27

TOTALS:	\$7,128
Staff Contingency:	\$5,000
GM's Contingency	\$5,000
Amendment	
Total Budget:	\$17,128

**Metropolitan Sewerage District of Buncombe County
BOARD ACTION ITEM**

BOARD MEETING DATE: October 16, 2013

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

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Hunter Carson, P.E. - Project Manager

SUBJECT: Sanitary Sewer Rehabilitation Project: Old US70 @ Grovemont Avenue,
Project No. 2007322

BACKGROUND: This project is for the replacement of aged sewer lines which serve the Grovemont area in Swannanoa.

The existing clay lines are in poor structural condition, which has caused multiple SSO's and repeated maintenance calls over time. Additionally, they are undersized for current daily flows. The rehabilitation project is comprised of 4,690 linear feet of 8-inch and 12-inch DIP.

The contract was advertised and four bids were received on Thursday, September 26, 2013 at 2:30 PM as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buchanan and Sons	\$1,303,155.00
2) Terry Brothers Const. Co.	\$1,117,813.00
3) Huntley Const. Co.	\$ 901,103.68
4) Buckeye Const. Co.	\$ 729,740.90

The apparent low bidder is Buckeye Construction Co. with a bid amount of \$729,740.90. Buckeye has completed numerous MSD rehabilitation projects, and their work quality has been excellent to date.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY13-14 Construction Budget for this project is \$879,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to Buckeye Construction Co. in the amount of \$729,740.90, subject to review and approval by District Counsel.

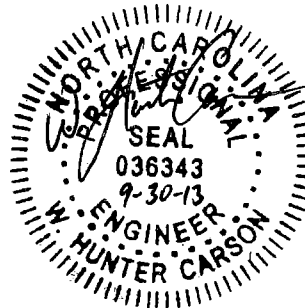
**METROPOLITAN SEWERAGE DISTRICT OF
BUNCOMBE COUNTY, NORTH CAROLINA**

**OLD U.S. 70 @ GROVEMONT AVENUE SEWER REPLACEMENT
PROJECT NO. 2007322**

**BID TABULATION
September 26, 2013**

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	Total Bid Amount
Buchanan and Sons Whittier, NC	5%	1	Yes	\$1,303,155.00
Terry Brothers Construction Company Leicester, NC	5%	1	Yes	\$1,117,813.00
Huntley Construction Company Asheville, NC	5%	1	Yes	\$901,103.68
Buckeye Construction Company Canton, NC	5%	1	Yes	\$729,740.90

APPARENT LOW BIDDER



W. Hunter Carson P.E.
Project Engineer
Metropolitan Sewerage District of
Buncombe County, North Carolina

This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:30 p.m. on the 26th day of September, 2013, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina, and that said bids were accompanied by acceptable bidders bonds in the amount of 5% of the bid.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, CIP Manager
Hunter Carson, Project Engineer

DATE: September 27, 2013

RE: Old US 70 @ Grovemont Avenue Sewer Rehabilitation Project, MSD Project
No. 2007322

The Old US 70 @ Grovemont Avenue Sewer Rehabilitation project is located in Swannanoa along Old US 70 Highway. The project includes sewer line replacement in MSD sub-basin #29, from Grovemont Avenue east to Alan Campos Circle. Approximately 3,176 linear feet of 12-inch DIP sewer line and 1,514 linear feet of 8-inch DIP sewer line will be installed to replace existing 6-inch and 8-inch VCP lines. The existing piping is in poor condition and has experienced multiple SSOs. Additionally, the lines are also undersized for current average daily flows.

On September 26, 2013, four (4) sealed bids were received at 2:30 pm. Results were as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buchanan and Sons, Inc.	\$1,303,155.00
2) Terry Brothers Construction Co., Inc.	\$1,117,813.00
3) Huntley Construction Company	\$ 901,103.68
4) Buckeye Construction Company	\$ 729,740.90

The apparent low bidder is Buckeye Construction Company with a bid amount of \$729,740.90. The FY13/14 construction budget for this project is \$879,000.00. Buckeye Construction Company has extensive experience with District rehabilitation and replacement projects and has an excellent performance history.

Staff recommends award of this contract to Buckeye Construction Company contingent upon review and approval by District legal counsel.

**Metropolitan Sewerage District of Buncombe County, North Carolina
CAPITAL IMPROVEMENT PROGRAM**

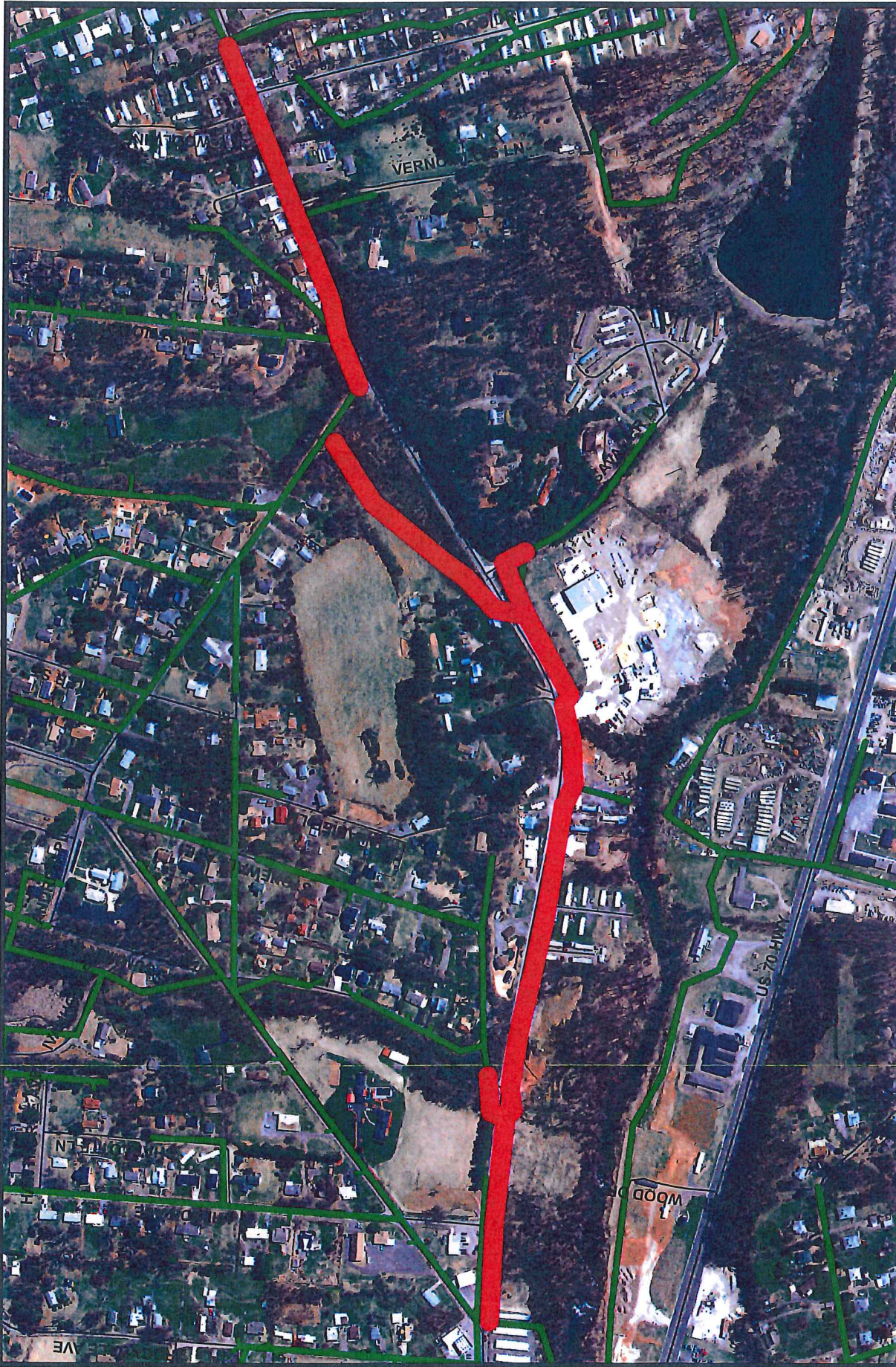
BUDGET DATA SHEET - FY 2013 - 2014

PROJECT:	Old US 70 at Grovemont Ave.	LOCATION:	Swannanoa
TYPE:	General Sewer Rehab.	DATE OF REPORT:	January 2013
PROJECT NO.	2007322	TOTAL L.F.:	4,690
PROJECT BUDGET:	\$959,800.00	PROJECT ORIGIN:	SSO's, Access, Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/12	EST. COST JAN - JUNE 2013	EST. BUDGET FY 13-14
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$16,300.00	\$16,240.00		
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$13,000.00	\$12,860.00		
55370 - LEGAL FEES	\$15,000.00	\$13,241.00	\$1,759.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$25,000.00	\$17,943.00	\$7,057.00	
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$879,000.00			\$879,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$2,000.00			\$2,000.00
55450 - SURVEY - ASBUILT	\$9,500.00			\$9,500.00
TOTAL AMOUNT	\$959,800.00	\$60,284.00	\$8,816.00	\$890,500.00

ENGINEER:	MSD	ESTIMATED BUDGETS - FY '14 -'23	
R.O.W. ACQUISITION:	MSD	# PLATS: [27]	FY 14-15 \$0.00
CONTRACTOR:			FY 15-16 \$0.00
CONSTRUCTION ADM:	MSD		FY 16-17 \$0.00
INSPECTION:	MSD		FY 17-18 \$0.00
			FY 18-19 \$0.00
PROJECT DESCRIPTION:	This project is located along Old US Hwy 70 in Swannanoa		FY 19-20 \$0.00
	between Grovemont Ave. and Alan Campos Circle. Approximately 1,514 LF of 8-inch ductile iron pipe and		FY 20-21 \$0.00
	3,176 LF of 12-inch ductile iron pipe will replace existing 6-inch and 8-inch clay pipe. The existing line is in		FY 21-22 \$0.00
	poor condition and has experienced SSO's.		FY 22-23 \$0.00

SPECIAL PROJECT NOTES:



Old US 70 at Grovemont Avenue Project No. 2007322

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

**Metropolitan Sewerage District of Buncombe County
BOARD ACTION ITEM**

BOARD MEETING DATE: October 16, 2013

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

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Roger Watson, P.E. - Project Manager

SUBJECT: Sanitary Sewer Rehabilitation Project: Brookcliff Drive PRP, MSD Project No. 2004267

BACKGROUND: This project is for the replacement of aged clay sewer lines located in the Beaverdam area of North Asheville, near the Volunteer Fire Department.

The project was generated through MSD's Pipe Rating program, which numerically rates pipe segments based on several structural factors. Line segments with high (meaning bad) ratings are then evaluated by an engineer for possible rehabilitation needs.

This project is comprised of 1,438 linear feet of 8-inch and 12-inch DIP.

The contract was advertised and four informal bids were received on Thursday, September 26, 2013 at 2:00 PM as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buchanan & Sons	\$602,890.00
2) Terry Brothers Const. Co.	\$393,429.50
3) Huntley Const. Co.	\$388,742.12
4) Buckeye Const. Co.	\$336,992.50

The apparent low bidder is Buckeye Construction Co. with a bid amount of \$336,992.50. Buckeye has completed numerous MSD rehabilitation projects, and their work quality has been excellent to date.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY13-14 construction budget for this project is \$390,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to Buckeye Construction Co. in the amount of \$336,992.50, subject to review and approval by District Counsel.

**METROPOLITAN SEWERAGE DISTRICT OF
BUNCOMBE COUNTY, NORTH CAROLINA**

**BROOKCLIFF DRIVE (PRP 59001) SEWER REPLACEMENT
PROJECT NO. 2004267**

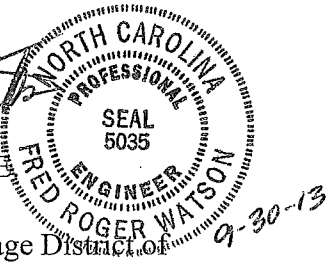
**BID TABULATION
September 26, 2013**

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	Total Bid Amount
Buchanan and Sons Whittier, NC	N/A	1	Yes	\$602,890.00
Terry Brothers Construction Company Leicester, NC	N/A	1	Yes	\$393,429.50
Huntley Construction Company Asheville, NC	N/A	1	Yes	\$388,742.12
Buckeye Construction Company Canton, NC	N/A	1	Yes	\$336,992.50

APPARENT LOW BIDDER



F. Roger Watson, P.E.
Project Engineer
Metropolitan Sewerage District of
Buncombe County, North Carolina



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 26th day of September, 2013, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina. This was an informal bid and no bid bond was required.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, CIP Manager
Roger Watson, Project Engineer

DATE: Sept 27, 2013

**RE: Brookcliff Drive PRP 59001 Sanitary Sewer Rehabilitation Project
MSD Project No. 2004267**

This project is for the replacement of existing 8" sewer mains which serve residences along Brookcliff Drive in North Asheville. It also includes replacement of a portion of the 10" interceptor which serves the Beaverdam drainage basin.

This project includes 356 LF 12" DIP; and 1,082 LF 8" DIP for a total of 1,438 LF of main line pipe. There is one creek crossing. A new 12" DIP sewer will replace the existing 10" VCP portion of the Beaverdam Creek Interceptor in the area of the Beaverdam Creek VFD and a new 8" DIP sewer will replace the old 8" VCP sewer in Brookcliff Drive. The existing sewer lines in Brookcliff Drive are located immediately adjacent to and partially within a creek channel and the broken pipes allow infiltration to enter the sewer system.

Bids were received at 2:00 PM on Thursday, September 26, 2013 for this project as shown below:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buchanan & Sons of Wittier, NC	\$602,890.00
2) Terry Brothers Construction Co. of Leicester, NC	\$393,429.50
3) Huntley Construction Company of Asheville, NC	\$388,742.12
4) Buckeye Construction Company of Canton, NC	\$336,992.50

Buckeye Construction Company of Canton NC is the apparent low bidder with a bid of \$336,992.50. The FY13-14 construction budget is \$ 390,000.00.

It is recommended that this project be awarded to Buckeye Construction for the sum of \$336,992.50, pending MSD legal counsel review and approval of the bids.

**Metropolitan Sewerage District of Buncombe County, North Carolina
CAPITAL IMPROVEMENT PROGRAM**

BUDGET DATA SHEET - FY 2013 - 2014

PROJECT:	Brookcliff Drive - PRP 59001	LOCATION:	Buncombe Co.
TYPE:	Pipe Rated Projects	DATE OF REPORT:	January 2013
PROJECT NO.	2004267	TOTAL L.F.:	1,438
PROJECT BUDGET:	\$419,010.00	PROJECT ORIGIN:	Pipe Rating Program

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/12	EST. COST JAN - JUNE 2013	EST. BUDGET FY 13-14
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$10,300.00	\$10,300.00		
55330 - DESIGN				
55340 - PERMITS	\$210.00	\$208.00		
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$3,700.00	\$3,150.00	\$550.00	
55370 - LEGAL FEES	\$3,500.00	\$3,494.00		
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$6,200.00	\$6,155.00		
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$390,000.00			\$390,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,500.00			\$1,500.00
55450 - SURVEY - ASBUILT	\$3,600.00			\$3,600.00
TOTAL AMOUNT	\$419,010.00	\$23,307.00	\$550.00	\$395,100.00

ENGINEER:	MSD	ESTIMATED BUDGETS - FY '14 -'23	
R.O.W. ACQUISITION:	MSD	# PLATS: [6]	FY 14-15 \$0.00
CONTRACTOR:			FY 15-16 \$0.00
CONSTRUCTION ADM.:	MSD		FY 16-17 \$0.00
INSPECTION:	MSD		FY 17-18 \$0.00
			FY 18-19 \$0.00
PROJECT DESCRIPTION:	This project is in north Asheville in the Beaverdam Creek Basin.		FY 19-20 \$0.00
It begins at the Beaverdam VFD property and extends up Beaverdam Creek to Brookcliff Drive. The existing			FY 20-21 \$0.00
line is currently located within a small creek and is exposed in several places. Problems include broken pipe			FY 21-22 \$0.00
and poor joints which result in high inflow and infiltration.			FY 22-23 \$0.00

SPECIAL PROJECT NOTES:



Brookcliff Drive - PRP 59001
Project No. 2004267

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: October 16, 2013

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 August 31, 2013

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 August 31, 2013 were \$23,110,615. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.713%. 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 August 31, 2013 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of August 31, 2013 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$(18,322,596).

Total Cash & Investments as of 08/31/2013	23,110,615
Less:	
Budgeted Commitments (Required to pay remaining FY14 budgeted expenditures from unrestricted cash)	
Construction Funds	(15,640,215)
Operations & Maintenance Fund	<u>(12,852,525)</u>
	(28,492,740)
Bond Restricted Funds	
Bond Service (Funds held by trustee):	
Funds in Principal & Interest Accounts	(7,331)
Remaining Principal & Interest Due	<u>(8,278,354)</u>
	(8,285,685)
District Reserve Funds	
Fleet Replacement	(497,746)
WWTP Replacement	(532,785)
Maintenance Reserve	<u>(913,075)</u>
	(1,943,606)
District Insurance Funds	
General Liability	(68,661)
Worker's Compensation	(217,144)
Post-Retirement Benefit	(1,112,166)
Self-Funded Employee Medical	<u>(1,313,209)</u>
	<u>(2,711,180)</u>
Designated for Capital Outlay	<u><u>(18,322,596)</u></u>

Staff Recommendation

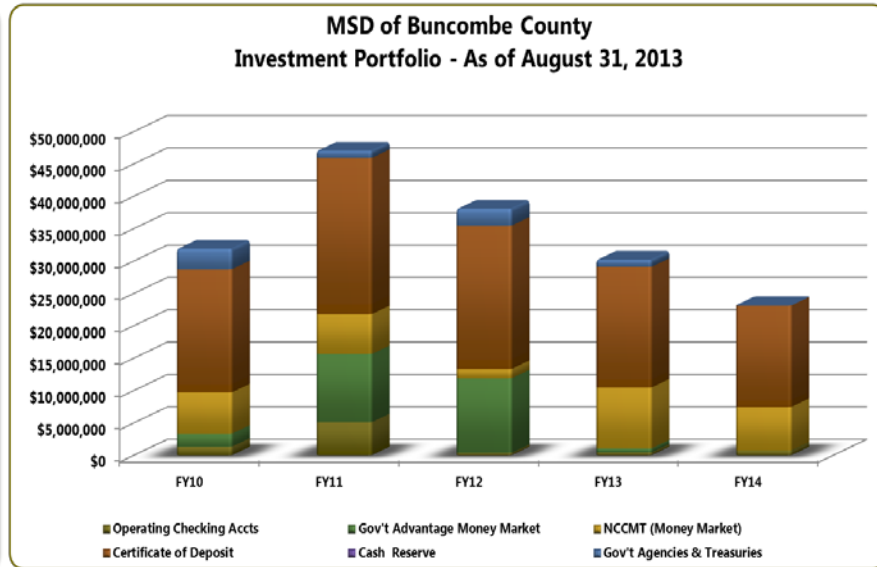
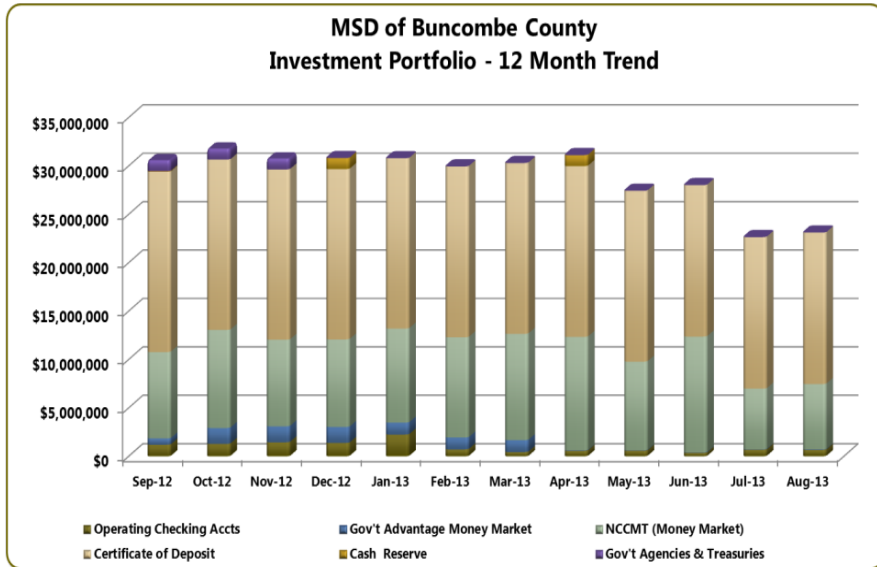
None. Information Only.

Action Taken

Motion by:	to	Approve	Disapprove
Second by:		Table	Send to Committee
Other:			
Follow-up required:			
Person responsible:		Deadline:	

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -	\$ -	\$ 7,331	\$ -	\$ -	\$ -	\$ 7,331
Held by MSD	665,505	46,650	6,740,545	15,650,584	-	-	23,103,284
	\$ 665,505	\$ 46,650	\$ 6,747,876	\$ 15,650,584	\$ -	\$ -	\$ 23,110,615

<u>Investment Policy Asset Allocation</u>	<u>Maximum Percent</u>	<u>Actual Percent</u>	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	0.00%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	67.72%	The District 's YTM of .82% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
North Carolina Capital Management Trust	100%	29.20%	
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		2.88%	
Gov't Advantage Money Market		0.20%	



Board Meeting: October 16, 2013

Subject: Cash Commitment/Investment Report-Month Ended August 31, 2013

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**METROPOLITAN SEWERAGE DISTRICT
INVESTMENT MANAGERS' REPORT
AT August 31, 2013**

Summary of Asset Transactions

	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 20,685,214	\$ 20,685,214	\$ 400,440
Capital Contributed (Withdrawn)	358,304	358,304	
Realized Income	394	394	
Unrealized/Accrued Income		-	15,534
Ending Balance	<u>\$ 21,043,912</u>	<u>\$ 21,043,912</u>	<u>\$ 415,974</u>

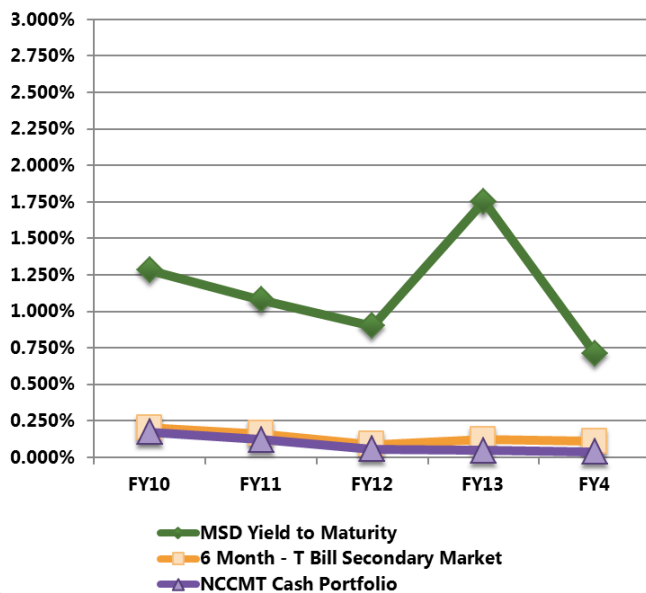
Value and Income by Maturity

	Original Cost	Income
Cash Equivalents <91 Days	\$ 5,393,328	\$ 4,082
Securities/CD's 91 to 365 Days	15,650,584	\$ 11,846
Securities/CD's > 1 Year	-	-
	<u>\$ 21,043,912</u>	<u>\$ 15,928</u>

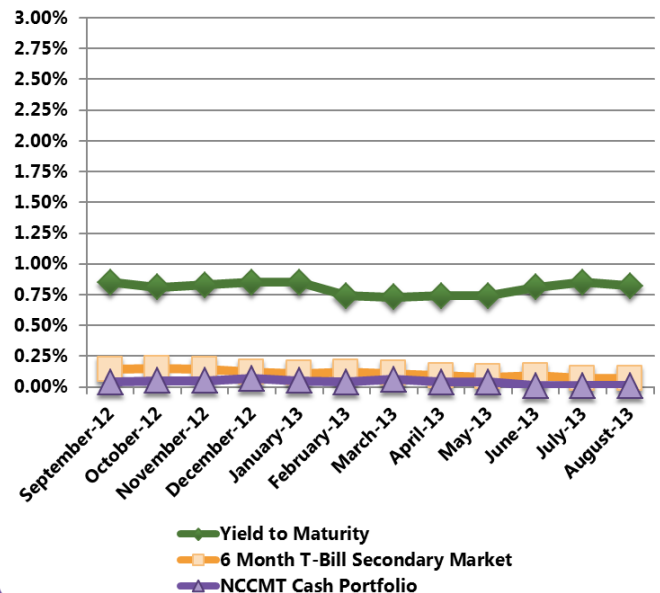
Month End Portfolio Information

Weighted Average Maturity	342
Yield to Maturity	0.82%
6 Month T-Bill Secondary Market	0.07%
NCCMT Cash Portfolio	0.01%

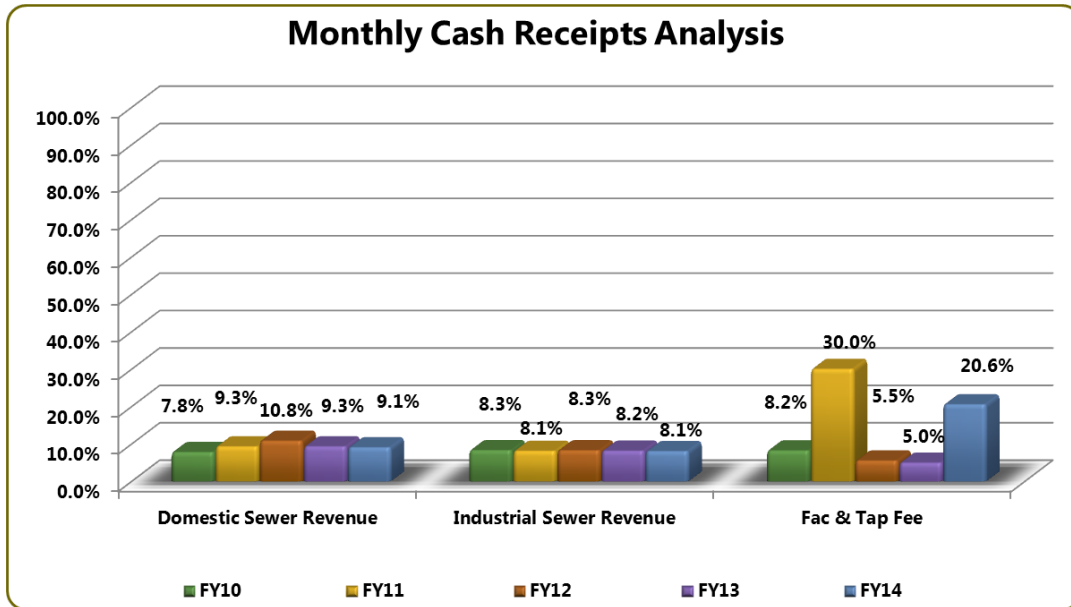
**Metropolitan Sewerage District
Annual Yield Comparison**



**Metropolitan Sewerage District
Yield Comparison - August 31, 2013**

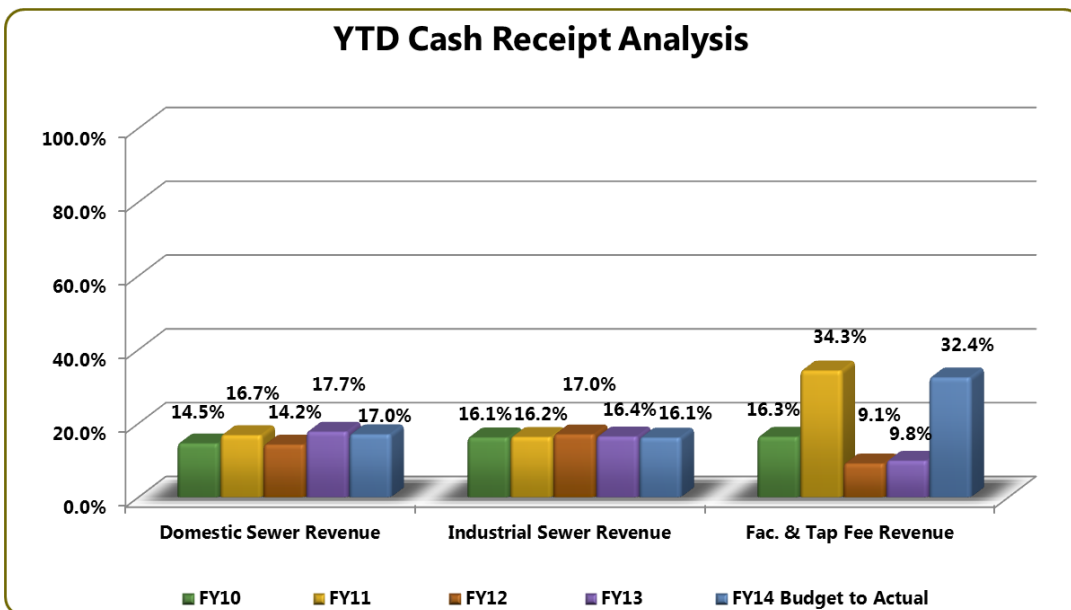


**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF CASH RECEIPTS
AS OF August 31, 2013**



Monthly Cash Receipts Analysis:

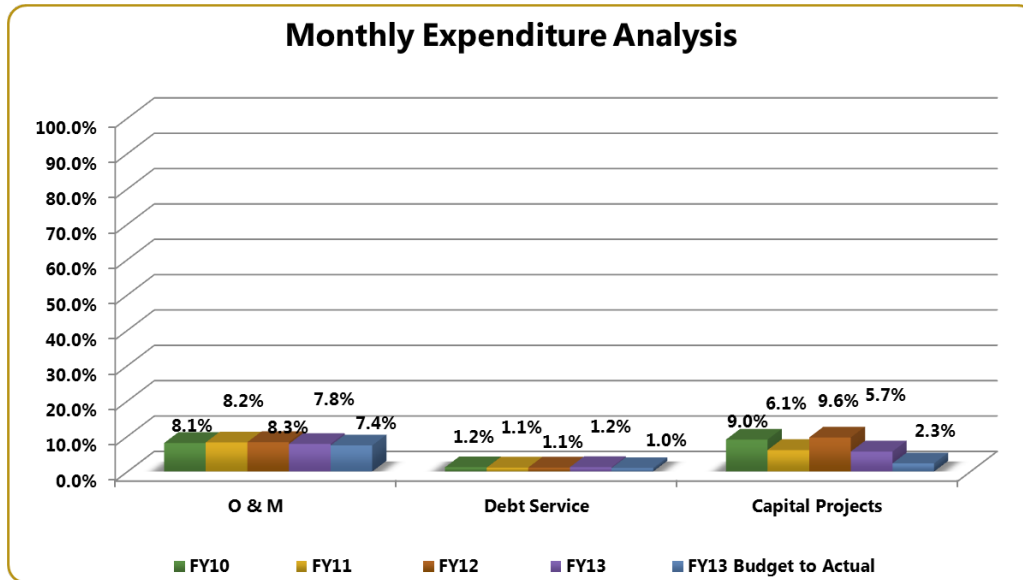
- Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- Monthly industrial sewer revenue is trending below budgeted expectations.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap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



YTD Actual Revenue Analysis:

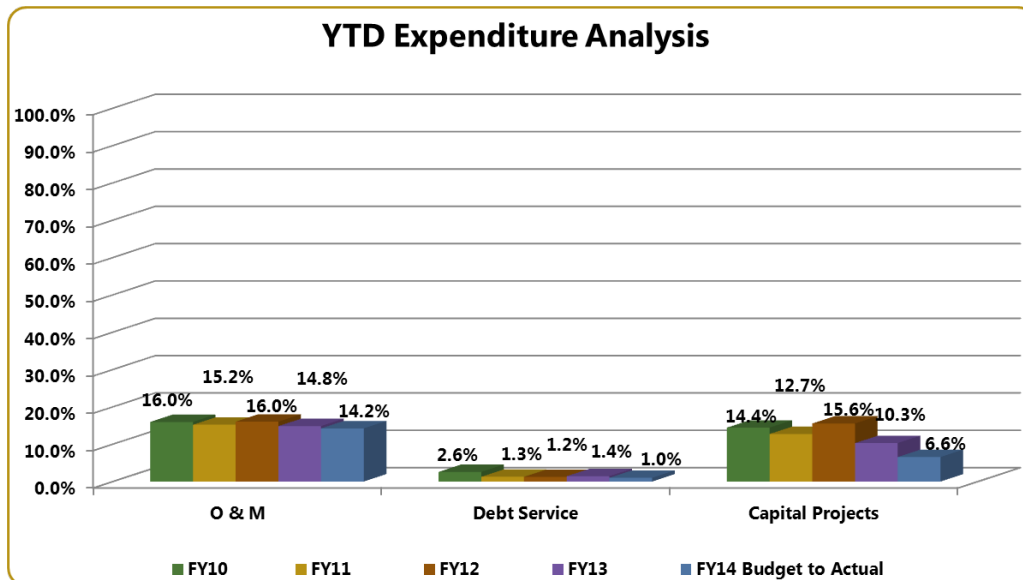
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is trending below budgeted expectations.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF EXPENDITURES
AS OF AUGUST 31, 2013**



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:

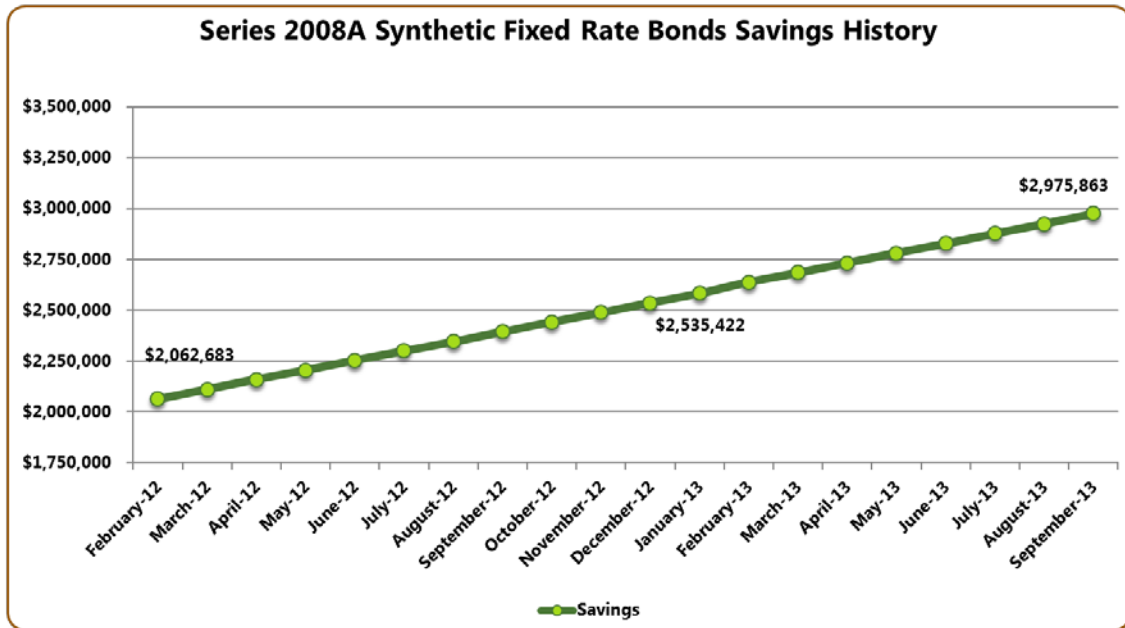
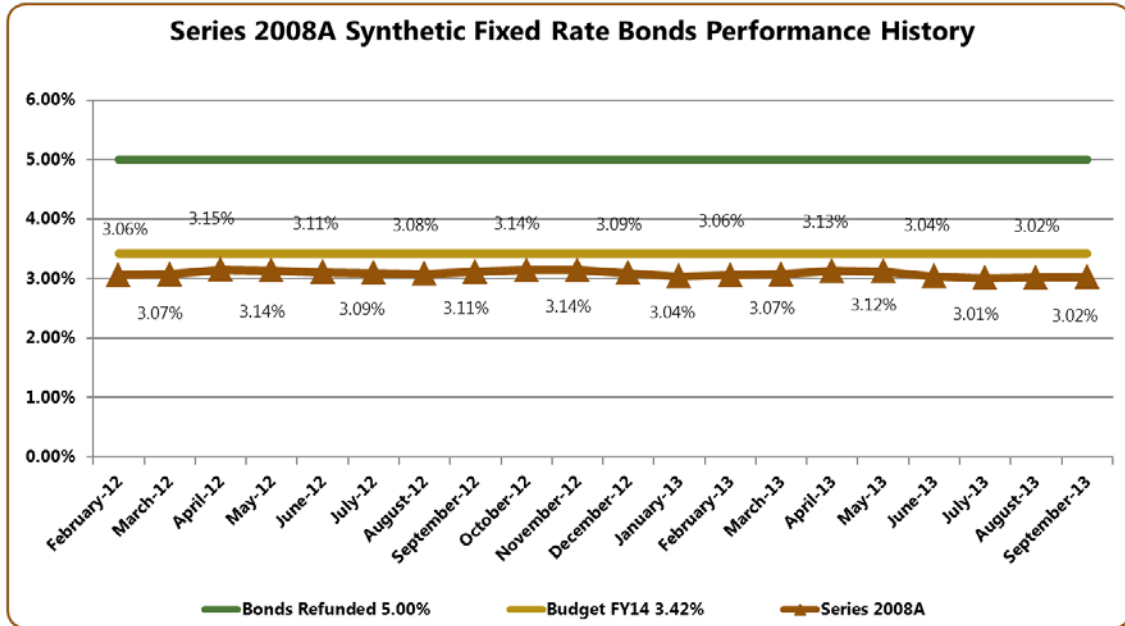
- YTD O&M expenditures are considered reasonable based on historical trends.
- Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- Due to nature and timing of capital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

Board Meeting: October 16, 2013

Subject: Cash Commitment/Investment Report-Month Ended August 31, 2013

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**METROPOLITAN SEWERAGE DISTRICT
Variable Debt Service Report
AS OF September 30, 2013**



Series 2008A:

- ◆ Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$2,975,863 as compared to 4/1 fixed rate of 4.85%.
- ◆ Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 4.0475%, MSD will achieve cash savings of \$4,730,000 over the life of the bonds.
- ◆ MSD would pay \$4,326,000 to terminate the existing Bank of America Swap Agreement.

STATUS REPORTS

FY 13-14 IN-HOUSE CONSTRUCTION REHAB PROJECTS

PROJECT NAME	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	Notes
Craven Street Improvements (P/N 2013071)	300	7/1/13-8/30/13	434914	667	8/14/2013	306	complete
90 Asheland Ave - Pipe Ream/Burst	118	8/29/2013	456371	631	8/29/2013	118	complete
Melody Lane	220	8/15/13 - 9/13/13	433549	667	8/30/2013	560	complete
Melody Lane Addition	25	9/10/2013	450458	667	9/10/2013	28	complete
41 Walnut Lane (Woodfin)	1260	5/27/13 - 8/30/13	441589	631	9/27/2013	1189	complete
View Street at Montreat Road (P/N 2013051)	461	10/8/13-10/31/13	400926	667	10/7/2013	463	complete
Elk Mtn Scenic Hwy @ Edgedale*(P/N 2010101)	785	10/7/13-11/7/13	456298	667			Construction in Progress
Gay Street (P/N 2013077)	327	10/7/13 - 11/4/13	433544	631			Construction in Progress
Daniel Road Phase II (14)	568	11/5/13-12/5/13	433531	631			ready for construction
Central Avenue SanitarySewer Replacement*	675	12/5/13-1/5/14	448995	631			ready for construction
Memorial Park Drive	1283	11/8/13 - 1/8/14	433530	667			ready for construction
Buckner Road	600	TBA	TBA	TBA			ready for construction
Roberts Street at Haywood Rd* (P/N 20100980)	200	TBA	TBA	TBA			ready for construction
Rash Road* (P/N 2010095)	550	TBA	TBA	TBA			ready for construction
18 Crestland Road	270	TBA	448974	667			ready for construction
N. Anne St.	550	TBA	400920	TBA			ready for construction
165 Old County Home Road	1,100	TBA	433522	TBA			ready for construction
Sareva Place	932	TBA	410095	TBA			ready for construction
Carjen Avenue	825	TBA	410096	TBA			ready for construction
Hunt Hill Place	786	TBA	400922	TBA			ready for construction
Robindale Ave	851	TBA	433537	TBA			In Design
Emory Road* (P/N 2009137)	300	TBA	TBA	TBA			In Design
350 Old Haw Creek Road	1333	TBA	400923	TBA			In Design
Ridgeway Dr.	487	TBA	TBA	TBA			In Design
Rumbough Place	710	TBA	433539	TBA			In Design
Shiloh Road	350	TBA	TBA	TBA			In Design
Livinston - AB Tech	TBA	TBA	TBA	TBA			In Design
Grovestone Quarry	TBA	TBA	TBA	TBA			In Design
Tabernacle Road	TBA	TBA	TBA	TBA			In Design
Dew Waite Dr	TBA	TBA	TBA	TBA			In Design
Springside Drive	TBA	TBA	TBA	TBA			In Design
S. Oak Forest	TBA	TBA	TBA	TBA			In Design

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

October 8, 2013

PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BRADLEY BRANCH ROAD PHASE II	Terry Brothers	8/21/2013	TBD	TBD	\$314,860.00	0%	Terry Brothers was awarded the contract. No work has begun yet.
BROOKCLIFF DRIVE (PRP 59001)	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on September 26th. Buckeye Construction is the low bidder. The project will be presented at the October Board meeting.
MERRIMON AVENUE @ COLONIAL PLACE	Terry Brothers	8/21/2013	9/3/2013	12/12/2013	\$205,878.00	90%	Mainline construction is complete. Paving and prefinal inspection yet to be done.
MERRIMON AVENUE @ STRATFORD ROAD	Terry Brothers	9/18/2013	TBD	TBD	\$774,177.00	0%	Project was awarded to Terry Brothers. No work has begun yet.
MOUNT VERNON PLACE PHASE I	Terry Brothers	8/21/2013	9/3/2013	12/12/2013	\$96,347.00	10%	Mainline construction is in progress.
OLD US 70 @ GROVEMONT AVENUE	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on September 26th. Buckeye Construction is the low bidder. The project will be presented at the October Board meeting.
PIPE RATING CONTRACT #7 (LINING)	Southeast Pipe Survey, Inc.	12/12/2012	1/14/2013	10/25/2013	\$863,111.81	90%	Contractor is working on punch list items. Added work on 4th Street, Black Mountain and Moore Circle have not started yet.
SHORT COXE AVENUE AT SOUTHSIDE AVENUE	Cana Construction	7/18/2012	9/4/2012	10/15/2013	\$888,998.01	98%	Contractor is working on punch list items.
WRF - CRAGGY HYDRO FACILITY REPAIRS - CONTROL COMPONENTS UPGRADE	Innovative Solutions of NC	7/12/2012	N/A	1/1/2014	\$100,717.72	80%	This is to upgrade the old control panel at the Hydro Facility. In addition to this, Turbine No. 2 has been repaired and is ready to be re-installed.
WRF - ELECTRICAL IMPROVEMENTS	Haynes Electric	8/15/2012	9/10/2012	11/30/2013	\$1,061,900.00	92%	Final testing/startup is underway.
WRF - FILTER BACKWASH PIPING	Ruby-Collins	7/22/2013	9/9/2013	11/8/2013	\$61,245.00	75%	All pipe work is complete with exception of an added check valve. Electricians are laying duct banks.
WRF - RAW SEWAGE PUMP STATION SUMP PUMP REPLACEMENT	Ruby-Collins	7/22/2013	9/9/2013	11/8/2013	\$54,000.00	30%	Discharge pipe is laid between the Raw Building and Basin 1. Concrete coring is complete.
WRF - SLIDE GATE REPLACEMENT	NHM Constructors	9/18/2013	10/7/2013	6/4/2014	\$288,924.00	0%	Contract was awarded to NHM Constructors. Anticipate 90 to 120 days delivery time on the gates.

***Updated to reflect approved Change Orders and Time Extensions**

Planning and Development Projects Status Report
October 10, 2013

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	N. Bear Creek Road Subdivision	2005137	Asheville	20	127	7/11/2006	Complete - Waiting on final documents
	Willowcreek Village Ph.3	2003110	Asheville	26	597	4/21/2006	Complete - Waiting on final documents
	Rock Hill Road Subdivision	2005153	Asheville	2	277	8/7/2006	Complete - Waiting on final documents
	Black Mtn Annex: Avena Rd.	1999026	Black Mtn.	24	4,300	8/19/2010	Complete - Waiting on final documents
	Black Mtn Annex: McCoy Cove	1992174	Black Mtn.	24	2,067	8/19/2010	Complete - Waiting on final documents
	Black Mtn Annex: Blue Ridge Rd.	1992171	Black Mtn.	24	2,560	8/19/2010	Complete-Waiting on final documents
	Haw Creek Tract	2006267	Asheville	49	1,817	10/16/2007	Complete - Waiting on final documents
	Haywood Village	2007172	Asheville	55	749	7/15/2008	New owner developer - will resume soon
	Lodging at Farm (Gottfried)	2008169	Candler	20	45	6/2/2009	Awaiting closeout of private system
	Camp Dorothy Walls - Ph. 1	2007294	Black Mtn.	Comm.	593	6/16/2009	Complete - Waiting on final documents
	Momentum Health Adventure	2008097	Asheville	Comm.	184	8/19/2009	New ownership - project currently inactive
	North Point Baptist Church	2008105	Weaverville	Comm.	723	5/20/2009	Complete - Waiting on final documents
	Lutheridge - Phase I	2009112	Arden	Comm.	330	3/16/2010	Complete-Waiting on final documents
	AVL Technologies	2010018	Woodfin	Comm.	133	5/21/2010	Complete-Waiting on final documents
	UNC-A New Residence Hall	2011047	Asheville	304	404	8/29/2011	Complete-Waiting on final documents
	Cottonwood Townhomes	2009110	Black Mtn.	8	580	10/20/2009	Complete-Waiting on final documents
	Goldmont St	2012087	Black Mtn.	6	91	1/11/2013	Contractor/Engineer payment issue
	Berrington Village Apartments	2008164	Asheville	308	4,690	5/5/2009	Complete-Waiting on final documents
	Pisgah Manor Skilled Nursing Facility	2012008	Candler	Comm.	131	4/9/2011	Ready for final inspection
	Bradley Street - Phase II	2013031	Asheville	12	194	2/14/2013	Waiting on revised as-built drawings
	Carolina Truck and Body (Cooper)	2012075	Asheville	Comm.	298	10/30/2012	Awaiting COA approval for work in ROW
	Waynesville Ave (Pittman)	2013046	Asheville	15	332	5/23/2013	Complete-Waiting on final documents
	Ridgefield Business Park	2004188	Asheville	18	758	2/16/2005	Complete-Waiting on final documents
	Subtotal			915	21,980		

Planning and Development Projects Status Report
October 10, 2013

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	The Settings (6 Acre Outparcel)	2004192	Black Mountain	21	623	3/15/2006	Ready for final inspection
	Waightstill Mountain PH-8	2006277	Arden	66	3,387	7/26/2007	testing / in foreclosure
	Brookside Road Relocation	2008189	Black Mtn	N/A	346	1/14/2009	Project will not be built per consultant
	Scenic View	2006194	Asheville	48	534	11/15/2006	Ready for final inspection
	Ingles	2007214	Black Mtn.	Comm.	594	3/4/2008	Ready for final inspection
	Bartram's Walk	2007065	Asheville	100	10,077	7/28/2008	Punchlist pending - in bankruptcy
	Morgan Property	2008007	Candler	10	1,721	8/11/2008	Pre-con held, ready for construction
	Village at Bradley Branch - Ph. III	2008076	Asheville	44	783	8/8/2008	New developer, ready for testing
	Canoe Landing	2007137	Woodfin	4	303	5/12/2008	Ready for construction
	Central Valley	2006166	Black Mtn	12	472	8/8/2007	Punchlist pending
	CVS-Acton Circle	2005163	Asheville	4	557	5/3/2006	Ready for final inspection
	Hamburg Mountain Phase 3	2004086	Weaverville	13	844	11/10/2005	Ready for final inspection
	Bostic Place Sewer Relocation	2005102	Asheville	3	88	8/25/2005	Ready for final inspection
	Kyfields	2003100	Weaverville	35	1,118	5/10/2004	Ready for final inspection
	Onteora Oaks Subdivison	2012026	Asheville	28	1,222	1/4/2013	Testing
	Camp Dorothy Walls - Ph. 2	2007294	Black Mtn.	Comm.	593	6/16/2009	Pre-con held, ready for construction
	Fisk Dr. (Rehab)	2013080	Arden	Comm.	260	9/4/2013	Pre-con held, ready for construction
	Ardmion	2011107	Asheville	5	208	4/16/2013	Testing
	Biltmore Lake Block "J"	2013013	Enka	32	3,918	4/16/2013	Testing
	Thoms Estate 3B & 4	2013052	Asheville	35	4,690	7/26/2013	Installing/Testing
	Ramble at Parkway	2013100	Biltmore Forest	TBD	335	7/26/2013	30 day wait period for deflection testing
	Eargle Sewer Extension	2011077	Asheville	2	45	9/4/2013	30 day wait period for deflection testing
	Palisades Apartments	2013024	Asheville	224	1,423	9/4/2013	Installing
	Thunderland Circle (Sunshine Chev.)	2012095	Buncombe Co.	Comm.	467	8/5/2013	Installing
	Asheville Market (Relocation)	2012139	Asheville	Comm.	280	9/18/2013	Under construction
	The Aventine	2011015	Biltmore Forest	300	3,238	10/14/2013	Pre-con scheduled
	Aldi (Weaverville)	2013048	Asheville	Comm.	302	5/10/2013	30 day wait period for deflection testing
	Brookgreen at Crest Mtn. Phase 1D	2013076	Woodfin	3	370	5/29/2013	ready for construction
Subtotal				2771	81,757		
Total Units:				3,686			
Total LF:					103,737		

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NC

TEN YEAR CAPITAL IMPROVEMENT PROGRAM

FY 2013-2014 through 2022-2023

STATUS REPORT

July, 2013

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
INTERCEPTOR AND WET WEATHER REHABILITATION												
Christian Creek Int.	Buncombe Co.	HC	2011110	13,045	\$2,722,100	\$30,000	\$0		19	7/1/2015	7/1/17	Survey complete.
Dingle Creek Interceptor	Asheville	RW	2006010	7,871	\$2,257,400	\$68,954	\$790		10	Delivered	7/1/14	Plans & R/W completed; Permits acquired. Appl. For Work permit on US Park Service
Lower Smith Mill Creek Int.	Asheville	RW	2002056	0	\$3,978,690	\$3,920,343	\$56,000		39	Delivered	Awarded	Construction complete. (One condemnation)
South French Broad Int. - Grouting	Biltmore Estate	HC	2011033	6,450	\$313,000	\$0	\$313,000	6,450	0	N/A	10/6/13	Final design; bid November 7, 2013.
West French Broad M.P. Int.	Avery Creek	RW	2011025	0	\$496,900	\$231,183	\$265,000		5	Delivered	N/A	Ready for construction - construction to begin July 2013 - Private Developer.
Beaverdam Creek WW (CDM #10)	Buncombe Co.	EB	Future	5,500	\$871,000	\$0	\$0		TBA	TBA	TBA	TBA
Biltmore WW (CDM #3)	Biltmore	EB	Future	2,200	\$418,000	\$0	\$0		TBA	TBA	TBA	TBA
Four Mile Creek WW (CDM #1)	Biltmore Forest	EB	Future	3,400	\$551,000	\$0	\$0		TBA	TBA	TBA	TBA
Haw Creek WW (CDM #6)	Asheville	EB	Future	3,800	\$616,000	\$0	\$0		TBA	TBA	TBA	TBA
South Swannanoa WW (CDM #4)	Asheville	EB	Future	8,040	\$2,136,000	\$0	\$0		TBA	TBA	TBA	TBA
SUBTOTAL				50,306	\$14,360,090	\$4,250,480	\$634,790	6,450				

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
GENERAL SEWER REHABILITATION												
Adams Street	Asheville	SA	2012126	1,250	\$263,500	\$0	\$7,500		19	7/1/2014	7/1/19	Preliminary engineering.
Arco Road	E. Asheville	HC	2012082	335	\$75,500	\$0	\$8,500		0	N/A	7/1/15	Survey in progress.
Beale Road at Copney Lane	Asheville	DP	2009129	4,027	\$888,300	\$15,725	\$17,400		14	1/1/2014	7/1/16	Surveys complete - design in progress.
Bear Creek Rd. at School Rd. (SS)	W. Asheville	SA	2011117	1,550	\$129,400	\$8,000	\$40,400		18	2/1/2014	7/1/14	Design in progress.
Bradley Branch Road Ph. 2	Asheville	RW	2007319	2,665	\$470,775	\$82,989	\$387,700	2,665	7	Delivered	6/30/13	Ph. 1 completed; Phase 2 ready for construction.
Broadview Avenue	Asheville (Oakley)	HC	2009127	4,524	\$1,043,600	\$62,540	\$20,800		16	Delivered	7/1/14	ROW to begin in September, 2013.
Broadway St. at Bordeaux Place	Asheville	DP	2009034	475	\$205,000	\$13,250	\$52,000		1	Delivered	7/1/16	Design in progress - plats to ROW - re-design requested by owner.
Celia Place @ Bond Street	Asheville	DP	2013017	527	\$134,200	\$3,700	\$0		0	N/A	1/5/20	Preliminary Engineering
Cherokee Road	Asheville	DP	2009132	2,282	\$495,500	\$23,700	\$6,500		5	1/1/2014	7/1/15	Surveys complete - design in progress.
Commerce Street	Asheville	SA	2012129	530	\$150,800	\$0	\$3,000		0	N/A	7/1/17	Preliminary engineering.
Dellwood Avenue	Asheville	DP	2009131	547	\$141,450	\$7,200	\$0		4	7/1/2014	7/1/15	Preliminary Engineering; Survey in progress.
Dilling Avenue	Black Mtn.	SA	2009138	692	\$176,800	\$5,631	\$0		1	Delivered	7/1/14	Ready for construction.
East State Street @ West St.	Black Mountain	RW	2011115	1,161	\$257,600	\$10,500	\$0		0	7/1/2014	7/1/16	Surveys complete - design in progress.
Elk Mountain Place	Woodfin	HC	2010094	4,101	\$696,700	\$18,000	\$29,500		26	7/1/2014	7/1/15	Design in progress.
Elkwood Ave.	Woodfin	HC	2011080	5,105	\$1,153,700	\$11,000	\$75,000		25	7/1/2016	7/1/18	Design in progress.
Fair Oaks Rd @ Green Rd. (SS)	Arden	RW	2009133	0	\$65,150	\$10,400	\$0		10	7/1/2014	7/1/16	Surveys complete - design in progress.
Forest Ridge Road	Asheville	SA	2006013	2,842	\$591,920	\$16,858	\$575,000	2,842	2	Delivered	12/29/13	Ready for construction.
Four Inch Main - College Street	Asheville	SA	2012128	1,000	\$347,100	\$0	\$4,000		2	2/1/2015	7/1/17	Preliminary Engineering
Four Inch Main - Dry Ridge Rd.	Asheville	DP	2012009	775	\$202,900	\$0	\$9,900		5	1/31/2014	7/1/18	Preliminary Engineering
Four Inch Main - Oakland Dr. @ Pine	Black Mountain	DP	2011118	697	\$189,500	\$3,500	\$900		4	7/1/2015	7/1/18	Preliminary Engineering
Four Inch Main - Ridgeway Dr.	Asheville	DP	2012136	790	\$175,100	\$5,500	\$0		0		7/1/18	Surveys complete - design in progress.
Four Inch Main - Town Mtn. Road	Asheville	HC	2008182	1,728	\$360,150	\$309,802	\$49,700		3	Delivered	Awarded	Construction complete - asbuilt complete.

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
GENERAL SEWER REHABILITATION continued...												
Hendersonville Rd. at Mills Gap Rd.	Asheville	DP	2008185	2,470	\$1,117,000	\$47,800	\$1,000		6	1/1/2014	7/1/15	Surveys complete; Design to Const. Mgmt for review and comments.
Hendersonville Rd. @ Peachtree Rd.	S. Asheville	DP	2012135	1,025	\$484,900	\$0	\$8,300		1	1/1/2014	7/1/19	Preliminary Engineering
Hendersonville Rd. @ Rosscraggon	Arden	RW	2009134	4,275	\$1,048,000	\$38,300	\$25,000		14	7/1/2015	7/1/17	Surveys complete - design in progress.
Hilliard Ave. @ Aston Park	Asheville	SA	2009115	2,375	\$582,750	\$23,750	\$58,000		7	10/1/2013	7/1/15	Plats in progress.
Horizon Hill Rd. (Hy-Vu Drive)	Asheville	SA	2008084	712	\$223,700	\$17,700	\$0		1	Delivered	7/1/14	Permits in progress.
Howland Rd. @ Sunset Trail	Asheville	DP	2012134	1,033	\$277,900	\$0	\$8,200		4	7/1/2015	7/1/19	Preliminary Engineering
Indiana Avenue	Asheville	RW	2007017	2,153	\$489,400	\$69,900	\$415,500	2,153	12	Delivered	8/25/13	ROW in progress.
Kanawha Drive	Montreat	SA	2009139	495	\$149,000	\$16,700	\$23,000		6	Delivered	7/1/14	ROW in progress.
Laurel Road	Arden	HC	2007321	686	\$173,782	\$18,457	\$0		8	Delivered	7/1/14	Ready for construction.
Long Shoals Rd. @ Allen Ave.	Arden	HC	2010013	2,263	\$400,000	\$17,425	\$38,000		8	6/1/2014	7/1/19	Design in progress.
Louisiana Ave. @ Brucemont Circle	Asheville	DP	2010100	402	\$93,900	\$2,185	\$2,000		2	7/1/2015	7/1/17	Surveys complete; design in progress.
Lower Glendale Ave.	E. Asheville	HC	2012083	2,716	\$578,500	\$0	\$16,000		8	7/1/2017	7/1/19	Surveys in progress.
Macon Ave. at Sunset Parkway	Asheville	RW	2006016	2,843	\$894,300	\$84,290	\$810,000	2,843	5	Delivered	12/29/13	ROW in progress - one condemnation to process - ready for construction.
Meadowbrook Drive (SS)	Black Mountain	MS	2010076	0	\$37,500	\$4,250	\$33,250		6	TBA	N/A	Design in progress - SS to construct.
Melody Circle	Swannanoa	HC	2010093	4,120	\$977,900	\$18,000	\$121,600		22	10/1/2013	7/1/15	Final design.
Merrimon Ave. at Clearview Terrace	Asheville	RW	2007012	610	\$261,750	\$6,000	\$55,750		3	8/15/2013	7/1/14	Surveys complete; design in progress.
Merrimon Ave. at Colonial Place	N. Asheville	SA	2012084	457	\$193,900	\$39,100	\$154,800	457	0	N/A	6/23/13	In Construction.
Merrimon Ave. at Stratford Road	Asheville	RW	2004252	2,355	\$905,400	\$80,363	\$813,100	2,355	11	Delivered	7/28/13	Ready for construction.
Middle Beaverdam Crk. @ US 19-23	Woodfin	RW	2010002	2,503	\$784,850	\$6,030	\$6,250		4	7/1/2015	7/1/16	Design in progress.
Mountainbrook Rd. @ Chunns Cove Rd.	Asheville	DP	2010112	1,992	\$631,500	\$7,300	\$5,300		4	7/1/2014	7/1/16	Surveys complete; design in progress.
Mount Vernon Place Ph. 1	Asheville	HC	2010085	458	\$170,400	\$64,956	\$105,300	458	17	Delivered	7/23/13	Ready for construction - bidding July 25, 2013.
Mount Vernon Place Ph. 2	Asheville	HC	2010122	2,256	\$528,100	\$3,500	\$14,000		4	11/1/2013	7/1/14	Final design.
New Haw Creek Rd. @ Trinity Chapel Rd.	E. Asheville	HC	2012081	748	\$157,800	\$0	\$11,300		1	7/1/2014	7/1/16	Survey in progress.
New Salem Road	Swannanoa	HC	2012131	3,000	\$613,000	\$10,000	\$6,000		4	7/1/2017	7/1/19	Design in progress.
Old Haw Creek Rd. @ Greenbriar Rd.	E. Asheville	HC	2012109	1,095	\$274,800	\$0	\$18,000		7	7/1/2017	7/1/19	Survey in progress.
Old Haywood Road @ Starnes Cove Rd.	Asheville	HC	2009117	1,491	\$369,000	\$31,000	\$18,000		11	Delivered	7/1/14	ROW in progress.
Old US 70 at Grovemont Ave.	Swannanoa	HC	2007322	4,690	\$959,800	\$69,100	\$890,500	4,690	27	Delivered	8/25/13	ROW complete. Applying for permits. Bid Sept. 26, 2013
Old US 70 at Pine Circle	Swannanoa	HC	2010007	2,792	\$597,100	\$40,400	\$0		5	Delivered	7/1/14	ROW in progress.
Panola Street Rehab. (SS)	Asheville	HC	2011079	0	\$45,600	\$2,835	\$42,600		4	12/1/2013	N/A	Design in progress; SS to construct.
Riverside Dr. @ Silverline Plastic	Woodfin	SA	2012007	400	\$113,600	\$2,000	\$10,300		2	3/1/2014	7/1/16	Survey in progress.
Robinhood Road	Asheville	SA	2012130	800	\$162,000	\$0	\$4,500		3	8/1/2014	7/1/16	Preliminary Engineering
Robinwood Avenue	Asheville	RW	2009130	1,440	\$354,000	\$10,900	\$0		0	N/A	8/1/16	Surveys completed.
Sandhill @ Russell/Davenport	W. Asheville	SA	2011093	2,890	\$701,150	\$16,150	\$59,000		19	12/1/2013	7/1/16	Design in progress.
Shadowlawn Drive Ph. 1	Asheville	RW	2007019	3,182	\$900,500	\$100,455	\$59,000		32	Delivered	7/1/14	ROW in progress.
Shadowlawn Drive Ph. 2	Asheville	DP	2013005	1,302	\$355,850	\$0	\$9,500		12	TBA	7/1/17	Design in progress.
Short Coxe at Southside	Asheville	RW	2004025	3,625	\$1,476,281	\$1,365,712	\$110,350		7	Delivered	Awarded	In Construction.
Springside Rd. @ Overlook	S. Asheville	DP	2012127	4,070	\$786,200	\$0	\$21,000		13	12/1/2015	7/1/18	Preliminary Engineering
Stratford Rd. @ Oxford Court	Asheville	RW	2012133	547	\$137,850	\$0	\$7,400		4	1/1/2015	7/1/16	Preliminary Engineering
Sunset Drive at Bee Tree Rd.	Swannanoa	SA	2008153	1,054	\$226,700	\$20,200	\$22,500		9	Delivered	7/1/14	ROW in progress.
Sweeten Creek Rd. @ Busbee View	Asheville	DP	2011095	1,000	\$241,000	\$8,700	\$4,800		5	7/1/2015	7/1/18	Design in progress - possible System Services project.
Upper Grassy Branch Rd. @ Maxwell Rd.	E. Asheville	SA	2010096	739	\$165,400	\$8,900	\$28,500		6	6/1/2014	7/1/15	Re-design in progress.
Weaver Blvd. @ US 19-23	Weaverville	HC	2012110	1,398	\$293,300	\$0	\$8,000		1	7/1/2014	7/1/16	Survey in progress.
Wendover Drive	Asheville	RW	2008184	2,785	\$650,200	\$26,200	\$28,500		6	7/1/2015	11/4/18	ROW in progress.
SSD Rehab. & Replacement	Various	MS	2002101	200,000	\$39,690,000	\$3,620,000	\$3,969,000	20,000	N/A	N/A	Annual	Ongoing - For FY 12-13 - L.F. constructed through 6/30/13
Surveys for Design	Various	EB	2002060	N/A	\$500,000	\$50,000	\$50,000		N/A	N/A	Annual	Funds for transfer to new projects for surveying needs.
Future Projects - General Rehabilitation	Various	EB	N/A	45,000	\$7,200,000	\$0	\$0		N/A	N/A	Annual	Future projects - budget
SUBTOTAL				359,850	\$76,190,208	\$6,556,853	\$9,380,900	38,463				

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
PIPE RATED PROJECTS												
Braddock Way - PRP 20002	Asheville	RW	2006025	4,006	\$774,190	\$22,853	\$27,337		4	7/1/2015	7/1/16	Redesign complete; plats in progress.
Brookcliff Drive - PRP 59001	Buncombe Co.	RW	2004267	1,438	\$419,010	\$23,857	\$395,100	1,438	6	Delivered	1/26/14	Ready for Construction.
Crockett Road - PRP 36002	Asheville	DP	2004265	2,079	\$414,001	\$46,588	\$367,200	2,079	3	Delivered	7/1/13	Redesign for partial lining project; ready for construction.
Elk Park Drive - PRP 35001	Woodfin	SA	2006028	2,262	\$438,420	\$40,146	\$0		17	Delivered	7/1/14	Ready for construction.
Fairfax Avenue - PRP 65001	W. Asheville	HC	2004268	2,042	\$601,000	\$2,962	\$0		0	N/A	7/1/15	Ready for Construction.
Royal Pines Drive - PRP 47009	Arden	SA	2007020	2,888	\$724,500	\$20,100	\$10,000		2	N/A	7/1/15	Design in progress.
Sycamore Terrace - PRP 34012	Asheville	HC	2007014	3,186	\$692,020	\$26,970	\$664,900	3,186	2	Delivered	11/17/13	Bid December 19, 2012
Pipe Rated Projects - Future Lining	Various	MS	2007024	70,000	\$7,717,500	\$0	\$0		0	N/A	N/A	Future Projects
SUBTOTAL				87,901	\$11,780,641	\$183,476	\$1,464,537	6,703				

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
PRIVATE SEWER REHABILITATION												
Douglas Place PSR	Asheville	SA	2011116	500	\$12,000	\$5,500	\$6,500		6	TBA	7/1/15	Design in progress; SS to construct.
Freno Drive PSR (Lower)	Asheville	HC	2012010	2,605	\$546,400	\$8,700	\$29,200		13	7/1/2014	7/1/15	Design in progress.
Transfer of Private Sewers to MSD	Various	SB	2002168	N/A	\$50,000	\$5,000	\$5,000		0	N/A	N/A	Ongoing
Future Projects - PSR	Various	EB	N/A	3,600	\$576,000	\$0	\$0		N/A	N/A	N/A	N/A
SUBTOTAL				6,705	\$1,184,400	\$19,200	\$40,700	0				

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
TREATMENT PLANT, PUMP STATIONS & GENERAL CAPITAL IMPROVEMENTS												
Building and Facility Rehabilitation	MSD-Treatment Plant	PW	2002068	0	\$995,000	\$126,000	\$168,000		N/A	N/A	N/A	Ongoing
Carrier Bridge P.S. Bypass & Improv.	MSD-Treatment Plant	HC	2012140	1,225	\$1,776,800	\$0	\$6,600		3	7/1/2014	7/1/16	Survey in progress.
Facilities Plan Update	MSD-Treatment Plant	HC	2013010	0	\$450,000	\$0	\$225,000		N/A	N/A	10/1/13	RFQ in October, 2013.
Flow Monitoring	MSD-Treatment Plant	SA	2008013	0	\$263,905	\$172,997	\$30,000		N/A	N/A	Ongoing	Ongoing
Incinerator System Emissions Upgrades	MSD-Treatment Plant	HC	2013059	0	\$7,925,000	\$25,000	\$550,000		N/A	N/A	6/1/13	SOQ due 7/12/13
Influent Pump Replacement	MSD-Treatment Plant	HC	2012030	0	\$516,000	\$172,000	\$0		N/A	N/A	Awarded	Equipment received - Installation complete by December 2013.
RBC Replacement	MSD-Treatment Plant	PW	2007068	0	\$625,000	\$0	\$0		N/A	N/A	7/1/18	Future
Slide Gate Repair	MSD-Treatment Plant	SA	2010024	0	\$600,000	\$0	\$600,000		N/A	N/A	7/28/13	Design in progress
Weaverville Pump System Rehab.	Buncombe Co.	HC	2012014	0	\$3,505,000	\$0	\$0		0	N/A	7/1/16	Future
SUBTOTAL				1,225	\$16,656,705	\$495,997	\$1,579,600	0				

PROJECT NAME	LOCATION OF PROJECT	PROJ. MGR.	PROJECT NUMBER	PROJECT FOOTAGE	TOTAL ESTIMATED COST	TOTAL EST. EXPENDS THRU FY 12	FY 13-14		PLATS	PLATS DUE DATE	ADVERTISE DATE	STATUS / COMMENTS
							BUDGET	FOOTAGE				
REIMBURSEMENT PROJECTS												
Black Mtn. Annex. - Craigmont Road	Black Mtn.	EB	1992173		\$0	\$0	\$0		N/A	N/A	N/A	Black Mtn. to determine schedule.
Developer Reimbursements	MSD	SB	2004051		\$2,000,000		\$200,000		N/A	N/A	N/A	Ongoing
SUBTOTAL				0	\$2,000,000	\$0	\$200,000	0				