

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
FEBRUARY 18, 2015**

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, February 18, 2015.

Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Kelly, Manheimer, Pelly, Root, and Watts. Ms. Frost, Mr. Stanley and Ms. Wisler were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Forrest Westall with McGill Associates P.A., and MSD Staff, Ed Bradford, Scott Powell, Peter Weed, Ken Stines, Mike Stamey, Jim Hemphill, Matthew Walter, Hunter Carson, 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.

Mr. VeHaun welcomed Forrest Westall with McGill Associates P.A. Mr. Westall stated he appreciates the opportunity to serve with MSD. While serving on the regulatory side for years, he worked with MSD; who always had an excellent program, professional staff and were very responsive. He further stated he knows he cannot fill Gary McGill's shoes, but will do his best to support MSD in any way he can.

3. Approval of Minutes of the January 21, 2015 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the January 21, 2015 Board Meeting. With no changes, Mr. Watts moved for approval of the Minutes as presented. Mr. Root 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 called for public comment. There was no public comment.

6. Report of General Manager:

Mr. Hartye welcomed Forrest Westall. He reported Mr. Westall served for 28 years with NCDENR and headed up the regional office in Asheville as their Water Quality Supervisor. Since 2005 Mr. Westall has been with McGill Associates P.A. Currently he is serving as Executive Director of the Upper Neuse River Basin Association and served as a Member of the EMC in Raleigh. He obtained his Bachelor/Masters Degree from NC State University; is a registered Engineer and, a recipient of the Friend of the River award from The Land of the Sky Regional Council, as well as The Order of the Long Leaf Pine award. Mr. Westall resides in Burnsville, NC, and has three (3) children. Mr. Hartye stated that he and Staff have worked with Forrest in the past, and not only is he extremely smart, but fun to work with.

Mr. Hartye reported that the District received the Distinguished Budget Presentation Award from the Government Finance Officers Association (GFOA). He expressed his thanks for the great effort put forth by Teresa Gilbert and Scott Powell.

Mr. Hartye presented a copy of a letter from Ann Cary Hevener of Mt. Vernon Circle regarding Wesley Banner and Mike Presley from MSD along with the crew from Terry Brothers Construction. Mr. Harvey Kreider emailed to express his pleasure with the hard work the MSD crew did in handling a tough sewer line backup on his property below his house. He stated the crew showed their expertise and handled the situation in a timely manner. Much thanks to Shane Meadows, Marvin Felder, Carl Ellington, Jamie Fox, and Billy Cantrell. Also, Jimmy Boyd of Glen Falls Road called to let MSD know how much he appreciated the MSD folks helping him and his wife work through issues at his mother-in-laws house after her passing. They are very grateful to McKinley Hensley, Mitch Metcalf, Travis Chandler, Robert Denny, Wayne Rice and Ricky Bates.

Mr. Hartye reported the next ROW Committee Meeting is scheduled for February 25th at 9am. The next regular Board Meeting will be held on March 18th at 2pm.

7. Consolidated Motion Agenda:

a. Consideration of Bids – MSD Incinerator System Emissions Upgrades.

Mr. Hartye reported the original Incinerator was constructed in 1992, and a major rehabilitation project was completed in 2005. He stated this project involves the installation of new equipment to meet future EPA-mandated regulations and involves the upgraded of the existing Venturi scrubber and heat exchanger. The original scope of the project included an activated carbon system, with an estimated construction cost of \$10.3 million. This technology, while proven and most commonly used, has significant costs. MSD has taken a different path and pilot tested a new technology which performed well (>90%) and will save \$5million from using the conventional system. In order to accommodate lead times for equipment manufacturing, MSD pre-approved the Venturi Manufacturer at the November 19, 2014 Board meeting, and then pre-purchased the heat exchanger at the December 17, 2014 Board meeting. The construction/installation contract was advertised in January 2015 and the following bids were received on February 5, 2015: Wharton-Smith, Inc. with a total bid of \$5,482,265.00; H&M Constructors with a total bid of \$5,323,000.00; Haren Construction Co., Inc. with a total bid of \$5,318,000.00, and Industrial Furnace Co., with a total bid of \$3,745,000.00. However, the apparent low bidder, Industrial Furnace Co., is not a licensed General Contractor in NC, therefore their bid was rejected. Haren Construction is the lowest responsive bidder and has completed the previous incinerator rehabilitation project for MSD in 2005 and their work quality was excellent.

Mr. Hartye further reported this type of project is somewhat different in that it has a sub-contractor (a Systems Integrator). There were two firms that were pre-approved prior to the bid being let. Hankin, who worked on the previous project, was the only one giving sub-contracting bids. Industrial Furnace Co. from New York, not only submitted a General Contractor bid, but submitted their qualifications as a Systems Integrator, with 48 years of experience. Thru the bid process, they were approved, based on their qualifications, to become an eligible Systems Integrator. Because MSD Engineers estimated the price to be around \$4.5 million, they negotiated a lower price with the lowest responsive bidder, Haren Construction Co., Inc. Mr. Hartye expressed his thanks to Hunter Carson, Ed Bradford, and John Lapsley, with CDM Smith, who worked very hard during negotiations in reducing the cost by \$700,000.00 to \$4,624,000.00. Mr. Hartye presented the Bid Tab; Letter from Haren, and the Budget sheet. The combined construction cost, including the previously approved heat exchanger, is \$5.3 million. The multi-year construction budget is \$10.3 million for this work. Staff recommends award of the construction/installation contract to Haren Construction Co., Inc. in the amount of \$4,624,000.00.

b. Consideration of Developer Constructed Sewer Systems: Carmel Ridge Apartments Sewer Extension; Goldmont Street Sewer Extension, and Reems Creek Cottages Sewer Extensions.

Mr. Hartye reported the Carmel Ridge Apartments Sewer Extension project is located outside the District boundary off New Leicester Highway in Buncombe County. The project included extending approximately 1,126 linear feet of 8-inch public gravity sewer to serve the eighty (80) unit apartment complex. The Goldmont Street Sewer Extension project is located inside the District boundary off Goldmont Street in the Town of Black Mountain. The project included extending approximately 90 linear feet of 8-inch public gravity sewer to serve the six (6) unit residential development. The Reems Creek Cottages Sewer Extension project is located outside the District boundary off Reems Creek Road in the Town of Weaverville. The project included extending approximately 495 linear feet of 8-inch public gravity sewer to serve the seventeen (17) unit residential development. Mr. Hartye further reported that staff recommends acceptance of the aforementioned developer constructed sewer systems. All MSD requirements have been met.

c. Second Quarter Budget to Actual Review – FY2015:

Mr. Powell reported that page 29 is the District's first quarter Budget to Actual Revenue and Expenditure Report. Domestic and Industrial User Fees are at budgeted expectations. Facility and Tap Fees are above budgeted expectations due to receiving approximately \$774,000 from three developers. Interest and miscellaneous income are slightly below budgeted expectations. Fixed income investment yields are lower than expected due to the continued Federal Reserve policy of keeping short-term rates near zero percent. O&M expenditures are at 49.74% of budget. They include encumbered amounts (\$487,000). These amounts will be spent in future periods. Bond principal and interest expenditures are reflected at 50%. This will aid the user to properly assess debt service commitments on a budgetary perspective. Actual amount spent as of the end of the first quarter is 3.8%. This is due to the timing of the District's debt service payments. Amounts budgeted for capital equipment and projects are rarely expended proportionately throughout the year. Due to the timing of capital projects, this amount is considered reasonable.

d. Cash Commitment/Investment Report – Month Ended December 31, 2014:

Mr. Powell reported that page 31 presents the makeup of the District's Investment Portfolio. There has not been a significant change in the makeup of the portfolio from the prior month. Page 32 is the MSD Investment Managers report as of the month of December. The weighted average maturity of the investment portfolio is 220 days. The yield to maturity is .43% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 35 is the MSD Variable Debt Service report. The 2008 Series Bonds are performing better than budgeted expectations. Mr. Powell noted that during the entire month of January, the bonds reset at 1 basis point. The interest rate for the 2008 Series Bonds was 2.98%. This was the lowest rate in the Bonds existence. As of the end of December, both issues have saved District customers over \$3.7 million in debt service since April, 2008.

With no discussion, Mr. Pelly moved for approval of the Consolidated Motion Agenda. Mr. Watts seconded the motion. Roll call vote was as follows: 9 Ayes; 0 Nays.

8. Old Business:

None

9. New Business:

None

10. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:21 p.m.

Jackie W. Bryson, Secretary/Treasurer

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

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 2/18/15

✓	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 January 21, 2015 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. Consolidated Motion Agenda		2:55	
	a. Consideration of Bids – MSD Incinerator System Emissions Upgrades Project.	Hartye		
	b. Consideration of Developer Constructed Sewer Systems: Carmel Ridge Apartments Sewer Extension; Goldmont Street Sewer Extension, and Reems Creek Cottages Sewer Extension.	Hartye		
	c. Second Quarter Budget to Actual Review FY2015.	Powell		
	d. Cash Commitment/Investment Report – Month Ended December 31, 2014.	Powell		
	07. Old Business:	VeHaun	3:15	
	08. New Business	VeHaun	3:20	
	09. Adjournment (Next Meeting (3/18/15))	VeHaun	3:30	
	STATUS REPORTS			

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
JANUARY 21, 2015**

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, January 21, 2015.

Chairman VeHaun recognized Jackie Bryson, representing Woodfin Sanitary Water & Sewer District for her reappointment to the MSD Board, as well as Councilwoman Gwen Wisler representing the City of Asheville. Chairman Vahaun called on Ms. Wisler for any comments. Ms. Wisler stated she is looking forward to learning more about the MSD organization and appreciates the opportunity to serve. Chairman VeHaun and Vice Chairman Kelly presented Ms. Wisler with the traditional manhole puller. After the presentation, the roll was called with the following members present: Ashley, Belcher, Bryson, Frost, Kelly, Pelly, Root, Stanley, Watts and Wisler. Ms. Manheimer was absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates P.E., Joseph Martin with Woodfin Sanitary Water & Sewer District, Jonathan Kanipe, Town Administrator, with the Town of Biltmore Forest, Patty Beaver with CIBO, and MSD Staff, Ed Bradford, Scott Powell, Peter Weed, Ken Stines, Mike Stamey, Matthew Walter, Jim Hemphill, 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 December 17, 2014 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the December 17, 2014 Board Meeting. With no changes, Mr. Stanley moved for approval of the Minutes as presented. Mr. Watts 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 Mr. Kanipe, Mr. Martin, and Ms. Beaver. There was no public comment.

6. Report of General Manager:

Mr. Hartye called on Gary McGill, who asked to address the Board. Mr. McGill stated that most Board members were aware of his home being destroyed by fire several months ago. He reported that a lighting strike burnt down the entire house, all the contents, and vehicles. Fortunately, they were not home at the time. Over the intervening months, they have been in the recovery phase in dealing with insurance, etc. At this point he feels he needs more time to complete this process, but is not sure how long it will take. He stated he has been the Engineer of Record since the mid 1990's, but the title is actually McGill Associates. He suggested that in his absence, Forrest Westall, with McGill Associates, be brought in to fill this position. However, if he is needed in the interim, he will be happy to help in any way he can. Mr. VeHaun stated he appreciates what Gary has done for the Board and MSD and is happy he will still be around. Mr. Hartye added that Gary will be missed and hopes to see him back soon. Mr. Stanley

asked if any action needs to be taken. Mr. Clarke said no, since the Engineer of Record is the company McGill Associates. Mr. Hartye stated MSD has worked with Forrest Westall and that he is up to speed on a lot of the issues, particularly having to do with the plant and treatment, and at one time, was head of the DENR regional office.

Mr. Hartye presented a copy of an AC-T article regarding “non-flushable” items and how the treatment plant handles them. Included is a video link of a tour with Peter Weed, Wastewater Treatment Director, as well as a link on MSD’s main site concerning the main culprit “flushable wipes” which do not disperse after flushing and clog up the waste collection and treatment system. He presented a video clip showing regular toilet paper and how it disperses in water; a clip showing facial tissue, which does not break up in the water, and flushable wipes that do not break up at all, and get caught up on pumps in the pump stations and create havoc. Mr. Hartye stated in the past, MSD had a big campaign having to do with grease, which clogs up the system, and the combination of grease and wipes is even worse. Mr. Watts suggested MSD start a campaign against wipes, like it did against the grease.

Mr. Hartye reported that MSD received a call from Reid Patton of 51 Ambler Road expressing her appreciation for Roy Lytle. She said he was there a couple of weeks ago and was extremely professional, very nice and friendly. A call was received from Robert Milnes of 10 Meadowview Road expressing his appreciation for the fast work and great job done at his address. He expressed his thanks to McKinley Hensley, Travis Chandler, Robert Denny, and John Matthews. Also, a call was received from Randy Mahaffey of 439 Overlook Road about the outstanding job MSD employees did. He expressed his appreciation to Wayne Rice who came out first to check the problem out, and to the dig up crew, Mitchell Metcalf, Roy Lytle, McKinley Hensley, Robert Denny and Travis Chandler. He said they were all very efficient, very nice, very friendly, and did an outstanding job.

Mr. Hartye reported the ROW Committee Meeting for January is cancelled. The next meeting will be held February 25th at 9 a.m. The next regular Board Meeting will be held on February 18th at 2 p.m.

7. Consolidated Motion Agenda:

a. Consideration of Annual Meeting Dates for FY 2015:

Mr. Hartye presented a copy of the Annual Board Meeting Dates for FY2015. He stated that typically, Board meetings are held on the third Wednesday of each month at 2 pm, with the exception of the June meeting which is held on the second Wednesday to accommodate passage of the annual budget. The Right of Way Committee is held on the 4th Wednesday of each month at 9 am unless cancelled. The Personnel, Finance and CIP Committees meet according to the Budget Calendar. The Planning Committee meets as needed.

b. Consideration of Budget Calendar for FY 2015-2016:

Mr. Hartye presented the District’s proposed Budget calendar. He stated that time between Committee and Board meetings has been scheduled to prepare and distribute agenda items, including preparation time for any revisions requested to be presented at a subsequent meeting. The Personnel Committee is slated to convene on April 28. The CIP Committee is slated for April 30th, and the Finance Committee is slated for May 7.

c. Consideration of Bids for Sanitary Sewer Replacement Project – Wendover Road:

Mr. Hartye reported this project is located in West Asheville near Sand Hill Road. The eight-inch line serving the area is in poor structural condition and has experienced SSO's; causing ongoing maintenance problems. The project is comprised of 2,654 LF of 8-inch and 12-inch DIP, and also includes 321 LF of 18-inch interceptor. The contract was advertised and the following bids were received on January 6, 2015: Thomas Construction Co. with a total bid of \$925,807.00; Moore & Sons Site Contractors with a total bid of \$849,951.00; Thunder Disaster Services with a total bid of \$727,293.92; Terry Brothers Construction Co. with a total bid of \$704,877.50; Dillard Excavating Co. with a total bid of \$689,215.00; Buchanan & Sons with a total bid of \$664,106.00, and David Grading, Inc. with a total bid of \$576,269.50. The apparent low bidder is David Grading, Inc. with a bid amount of \$576,269.50. Mr. Hartye reported that Davis Grading has completed a recent MSD rehabilitation project in downtown Black Mountain, and is underway on another project. Their work quality has been excellent on both projects. The FY14-15 Construction Budget for this project is \$753,000.00. Staff recommends award of this contract to David Grading, Inc. in the amount of \$576,269.50, subject to review and approval by District Counsel.

d. Consideration of Contract for Engineering Services – MSD Arc-Flash Study:

Mr. Hartye reported MSD recently completed significant upgrades to the plant's electrical system; 2.5 million over three fiscal years. The first phase was the external power supply. Duke Energy initiated a new Broadway Feeder to supplement the feeds coming into the plant. In addition they installed a new transformer bank @ the substation. Internally, an auto transfer switch was installed and the old switchgear was upgraded to add multiple feeds throughout the plant and added a backup power supply with new 2-MW generators. He presented several slides showing the aforementioned improvements. The next phase is to comply with NFPA 70E regulations to conduct an Arc Flash Study for MSD facilities which include major buildings, the plant, as well as major pumping stations within the collection system. This study will establish safe working limits for the numerous protective devices located throughout MSD facilities. It will accomplish this by testing various circuit breakers and providing a comprehensive study based on the results. Staff advertised a Request for Qualifications in November 2014 and received responses from the following consulting firms: AVO Training Institute; Banta, Hallam ICS; McGill Associates, and Reece, Noland, & McElrath. The Selection Committee evaluated the firms with a weighted scoring system on several criteria. Familiarity with MSD's electrical system (the plant, in particular) is very important and weighted heavily in the scoring system. Since none of the firms, other than McGill had visited the MSD treatment plant, McGill Associates scored the highest and was chosen as the most qualified firm for the project. The FY 14-15 Special Studies Budget for this project is \$125,000.00 and there are sufficient funds within the CIP for the overage. Staff recommends award of the engineering services contract to McGill Associates in the amount of \$138,000.00 subject to review and approval by District Counsel.

e. Cash Commitment/Investment Report – Month Ended November 30, 2014:

Mr. Powell reported Page 27 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 28 is the MSD Investment Manager Report as of the month of November. The weighted average maturity of the investment portfolio is 236 days. The yield to maturity is 0.43% and is exceeding MSD bench marks of the 6-month T-

Bill and NCCMT cash portfolio. Page 29 is the MSD Analysis of Cash Receipts for the month of November as well as YTD. Both the Domestic & Industrial sewer revenues are considered reasonable based on timing of cash receipts in their respective fiscal periods. YTD Facility and Tap fees are considered reasonable based on timing of cash receipts in their respective fiscal periods. Page 30 is the MSD Analysis of Expenditures. O&M, Debt Service, and Capital Project expenditures are considered reasonable based on historical trends and timing of capital projects. Page 31 is the MSD Variable Debt Service report for the month of December. The 2008A Series is performing better than budgeted expectations. As of the end of December, the issue has saved District rate payers approximately \$3.7 million dollars in debt service since April of 2008.

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

8. Old Business:

Mr. Belcher noted on Page 33, the “location of projects” was added at his request and how much he appreciates it. Mr. Hartye reviewed the various reports in the Status Report section which are updated monthly. He stated the CIP Summary can be found on the web site which is update regularly.

With regard to electrical updates at the plant, Mr. Watts asked if there is a way to look at a chart or graph showing the outages before the updates, compared to now. Mr. Hartye said yes.

9. New Business:

None

10. Adjournment:

With no further business, Mr. VeHaun moved for adjournment at 2:35 p.m.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: February 12, 2015
SUBJECT: Report from the General Manager

- GFOA Distinguished Budget Presentation Award

MSD has once again received the Distinguished Budget Presentation Award from the Government Finance Officers Association (GFOA). Many thanks to the great effort put forth by Teresa Gilbert and Scott Powell.

- Kudos

- Attached is a letter from Ann Cary Hevener of Mt. Vernon Circle regarding Wesley Banner and Mike Presley from MSD along with the crew from Terry Brothers Construction.
- Harvey Kreider emailed to express his pleasure with the hard work that the MSD crew did in handling a tough sewer line backup on his property below his house. They showed their expertise and handled the situation in a timely manner. Much thanks to Shane Meadows, Marvin Felder, Carl Ellington, Jamie Fox, and Billy Cantrell.
- Jimmy Boyd of Glen Falls Rd. called to let MSD know how much he appreciated the MSD folks helping he and his wife work through issues at his mother-in-laws house after her passing. They are very grateful to McKinley Hensley, Mitch Metcalf, Travis Chandler, Robert Denny, Wayne Rice and Ricky Bates.

- Board/Committee Meetings/Events

The next ROW Committee Meeting is scheduled for February 25th at 9am. The next Regular Board Meeting will be held on March 18th at 2 pm.



Government Finance Officers Association
203 North LaSalle Street, Suite 2700
Chicago, Illinois 60601-1210
312.977.9700 fax: 312.977.4806

December 29, 2014

Mr. Thomas E. Hartye, PE
General Manager
Metropolitan Sewerage District of Buncombe County
2028 Riverside Dr., W.H. Mull Bldg.
Asheville, NC 28804

Dear Mr. Hartye:

I am pleased to notify you that Metropolitan Sewerage District of Buncombe County, North Carolina has received the Distinguished Budget Presentation Award for the current budget from the Government Finance Officers Association (GFOA). This award is the highest form of recognition in governmental budgeting and represents a significant achievement by your organization.

When a Distinguished Budget Presentation Award is granted to an entity, a Certificate of Recognition for Budget Presentation is also presented to the individual or department designated as being primarily responsible for its having achieved the award. This has been presented to:

W. Scott Powell, Director of Finance, Teresa L. Gilbert, Budget Analyst

We hope you will arrange for a formal public presentation of the award, and that appropriate publicity will be given to this notable achievement. A press release is enclosed for your use.

We appreciate your participation in GFOA's Budget Awards Program. Through your example, we hope that other entities will be encouraged to achieve excellence in budgeting.

Sincerely,

Stephen J. Gauthier, Director
Technical Services Center

Enclosure



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Metropolitan Sewerage District of Buncombe County
North Carolina**

For the Fiscal Year Beginning

July 1, 2014

Executive Director

Ann Cary J. Hevener
19 Mt. Vernon Circle
Asheville, NC 28804

Tom Hartye, General Manager
The Metropolitan Sewerage District of Buncombe County
2028 Riverside Drive
Asheville, NC 28804

January 16, 2015

Dear Mr. Hartye:

MSD will be winding up a big project in our neighborhood this coming Spring. I wanted to let you know how impressed I have been with everyone with whom I have come in contact. To a person, they have been polite and professional in every encounter I have had.

Wesley Banner set the tone by efficiently coordinating the necessary paperwork, in spite of the challenge of reaching some of our more elusive neighbors. The engineers and the subcontractors I met exceeded my expectations with their competence and skill.

It was Mike Presley and his crew who amazed me with their high standards of excellence. They were considerate (for example, Mike left his business card at everyone's house prior to the project start.) Also along the way, they gave all of us notice about how the project would progress. I know I appreciated this gesture, and I also know it was very important to many of my older neighbors, who find any kind of disruption more challenging.

To a person, Mike and his crew were always tidy, polite, and even cheerful. There are so many to thank: Stephan, Jeremy, Tim Stamey, Pedro, and all of the others (whose names I should remember). Each man behaved like a gentleman, no matter how hot or how tired he might have been.

As you probably know, our neighborhood is full of old, and even undocumented systems and components. I know the project presented field challenges no one could have anticipated. Mike never let things ruffle him; he kept his team on target and his customers happy. I will always remember his managerial and diplomatic skills. If we all followed the sort of example he set on this project, the world would be, quite simply, a better place.

Thank you for sharing these fine men with us. Thank you for doing all that you said you would do. Thank you for improving our neighborhood infrastructure with a minimum of disruption. I never thought it would be possible to say that the process of getting a new sewer line in our neighborhood would be pleasure, but your terrific team made it so.

Respectfully yours,



Ann Cary J. Hevener

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: February 18, 2015

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

REVIEWED BY: Billy Clarke, Esq. - District Counsel
Forrest Westall, P.E.- Engineer of Record
Peter Weed - Director of Treatment Plant

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

SUBJECT: Consideration of Bids: MSD Incinerator System Emissions Upgrades Project, MSD Project No. 2013059

BACKGROUND: *Summary of Project*

The Sewage Sludge Incinerator (SSI) is located at the Water Reclamation Facility. It plays a crucial role in the District's management of biosolids, which are a residual of all wastewater treatment plants. The original SSI was constructed in 1992, and a major rehabilitation project was completed in 2005.

New EPA-mandated regulations impose more stringent air emission limits for all SSI's in the United States (primarily affecting mercury and sulfur dioxide). In addition, there is a short timeline to meet the new rules - equipment must be in operation and in compliance by March 2016.

In addition to the new emissions requirements, rehabilitation of high-wear components is necessary. Major components within the system (the venturi and the heat exchanger) have now reached the end of their useful lives and must be replaced.

The original scope of the project included an activated carbon system, with an estimated construction cost of \$10.3 million. This technology, while proven and most commonly used, has significant costs and can be burdensome to maintain over time.

During preliminary engineering, MSD learned of a newer technology which uses replaceable sorbent-polymer modules instead of activated carbon. This technology has been used in other industrial applications, and is far less expensive than carbon. MSD therefore chose to pursue this option, given the amount of funds that could be saved - provided that it met all requirements.

MSD then pilot-tested this technology at the plant during summer of 2014, with excellent results. Mercury removal rates exceeded 90% on average. After the successful pilot, MSD then obtained permission from the WNC Air Quality Agency to implement this new technology.

This new sorbent-polymer technology will not only be easier to operate and maintain over time, but it will save MSD over \$5 million in construction costs.

Construction Phase

In order to accommodate lead times for equipment manufacturing, MSD pre-approved the venturi manufacturer at the Nov. 19, 2014 Board meeting, and then pre-purchased the heat exchanger at the Dec. 17, 2014 Board meeting.

The construction/installation contract was advertised in January 2015 and four bids were received on Thursday, February 5, 2015 as follows:

<u>Contractor</u>	<u>Bid</u>
1) Wharton-Smith, Inc.	\$5,482,265.00
2) H&M Constructors	\$5,323,000.00
3) Haren Const. Co., Inc.	\$5,318,000.00
4) Industrial Furnace Co.	\$3,745,000.00 (*)

(*) Contractor is not a licensed General Contractor in NC; therefore, bid is rejected.

Haren Construction is the lowest responsive bidder. Haren completed the previous incinerator rehabilitation project for MSD, ca. 2005, and their work quality was excellent on that project. In addition, CDM checked current references for Haren, with excellent results.

Haren Construction's bid amount exceeds the Engineer's Estimate for this work (which is \$4.5 million). In accordance with G.S. 143-129, MSD and CDM Smith negotiated a lower price with Haren. *Haren's reduced bid amount is \$4,624,000.00.* The lower price is primarily the result of using a different subcontractor, whose references also checked out well.

Please refer to the attached documentation for further details, including the recommendation by CDM Smith and District Counsel's review.

FISCAL IMPACT: The combined construction cost, including the previously approved heat exchanger, is \$5.3 million. The multi-year construction budget is \$10.3 million for this work.

STAFF RECOMMENDATION: Staff recommends that the District award the construction/installation contract to Haren Construction Co., Inc. in the amount of \$4,624,000.00.

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

**INCINERATOR SYSTEM REHABILITATION AND EMISSIONS UPGRADE PROJECT
PROJECT NO. 2013059**

**BID TABULATION
February 5, 2015**

BIDDER	BID BOND	BID FORMS	TOTAL BID AMOUNT
Wharton-Smith, Inc. Sanford, FL	5%	Yes	\$5,482,265.00
H&M Constructors Asheville, NC	5%	Yes	\$5,323,000.00
Haren Construction Co., Inc. Etowah, TN	5%	Yes	\$5,318,000.00
Industrial Furnace Co., Inc. (*) Rochester, NY	5%	Yes	\$3,745,000.00

APPARENT LOW BIDDER

(*) Contractor was not licensed in the State of North Carolina as a General Contractor and therefore the bid was rejected

W. Hunter Carson, P.E.
Project Manager
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 5th day of February, 2015, 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.



5400 Glenwood Avenue, Suite 300
Raleigh, North Carolina 27612
tel: 919 787-5620
fax: 919 781-5730

February 11, 2015

Mr. W. Hunter Carson, P.E.
Project Manager
Metropolitan Sewerage District of Buncombe County
2028 Riverside Drive
Asheville, North Carolina 28804

Subject: Metropolitan Sewerage District (MSD) of Buncombe County
Incinerator System Rehabilitation and Emissions Upgrades Project
MSD Project No. 2013059
Recommendation of Project Award

Hunter:

CDM Smith has completed our review of the bids received on February 5, 2015 for the Incinerator System Rehabilitation and Emissions Upgrades Project. In review of the bid submission it was identified that the apparent low bidder, Industrial Furnace Company, does not hold a current North Carolina General Contractor's license which is required by North Carolina Law in order to submit a bid for the work associated with this project. Accordingly, the Industrial Furnace Company bid has been declared non-responsive and eliminated from consideration. Haren Construction Company, Inc. was the second low bid on the project.

CDM Smith reviewed the bid submission from Haren Construction Company, Inc. and found it to be in compliance with the bid requirements including licensure, qualifications/references and bid security. CDM Smith also contacted several references which all provided positive comments regarding Haren Construction Company's qualifications and ability to perform work of this type. Haren Construction Company is considered the lowest responsive, responsible bidder on the project with an original bid price of \$5,318,000.00.

The original bid price from Haren Construction Company exceeded the Engineer's Opinion of Probable Construction Cost of \$4,500,000 for the construction of this portion of the project. With the approval of MSD legal counsel, CDM Smith and MSD staff have negotiated with Haren Construction Company to make reasonable changes to the plans and specifications (as allowed by North Carolina General Statute 143-129) in an effort to bring the price within the MSD budget.

Haren Construction Company has summarized their efforts to reduce the price for the work in their letter dated February 11, 2015 which includes a revised bid price of \$4,624,000.00. CDM Smith has reviewed this letter and the identified changes to the plans and specifications and is in agreement that these are acceptable without compromising the intent of the project scope.





Mr. W. Hunter Carson. P.E.
February 11, 2015
Page 2

In that Haren Construction Company, Inc. submitted the lowest responsive, responsible total bid and that the negotiated changes in the documents are acceptable to CDM Smith we recommend award to Haren Construction Company, Inc. in the amount of \$4,624,000.00 pending contract procurement compliance review by MSD staff.

Thank you for the opportunity to serve MSD and your customers. We look forward to working with you and Haren Construction Company, Inc. during the construction phase of this important project.

Sincerely,

A handwritten signature in blue ink that reads "K. Richard Tsang". The signature is written in a cursive style and is positioned above the typed name.

K. Richard Tsang, PhD, P.E., BCEE
Senior Project Manager
CDM Smith Inc.





HAREN CONSTRUCTION COMPANY, INC.

308 Home Ave. • Maryville, TN 37801
P. O. Box 5763 • Maryville, TN 37802
(865) 681-0171 • FAX: (865) 681-0865

February 11, 2015

W. Hunter Carson, P.E.
Metropolitan Sewerage District of Buncombe County
2028 Riverside Drive
Asheville, NC 28804

email: hcarson@msdbc.org

Re: Incinerator System Rehabilitation and Emissions Upgrades
MSD PN: 2013059

Dear Mr. Carson:

We are very pleased to learn that that we were the low bidder on the referenced project. We understand that the project is over budget as bid, and we appreciate the opportunity to work with you on ways to reduce the project cost. We are happy to offer a value engineered price of \$4,624,000.00 (Four million, six hundred twenty-four thousand dollars). This price is the result of the combined efforts of Haren Construction Company (HCCI), Industrial Furnace Company (IFCO), and CDM Smith, and is the best we could do with the given time constraints. We will be happy to continue to look for ways to further reduce the cost, if so directed. As priced, we would utilize IFCO as the Fluidized Bed Incinerator Emission System Supplier (FBIES Supplier) and a major subcontractor on the project.

In order to reduce costs, CDM Smith agreed to reduce the number of days allotted for submittal review to 20 calendar days for single discipline reviews and 30 calendar days for multi-discipline submittal reviews, and they committed to work with IFCO and HCCI to address any submittal comments to minimize multiple review cycles. CDM Smith also agreed to relax the requirement to have the FBIES Supplier onsite from delivery of the FBIS equipment through acceptance testing. Specifically, CDM Smith agreed that,

“During construction a representative of the FBIES Supplier must be on site periodically to direct and advise the general contractor on the construction of the improvements to the

Owner, To/

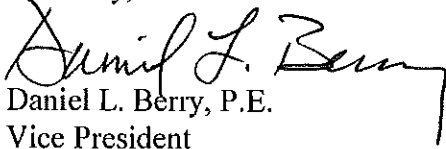
HOME OFFICE

P. O. Box 350 • 1715 Highway 411 North • Etowah, Tennessee 37331 • (423) 263-5561 • Fax (423) 263-5573
An Equal Opportunity Employer

FBI system where the FBIES holds system responsibility as specified. We are acceptable to a reduction in this onsite time subject to the General Contractor's agreement with the proposed time onsite to direct and supervise the work. During the preliminary and final acceptance testing a representative of the FBIES Supplier must be on site full time."

We enjoyed working with the District at this plant several years ago, and we are very excited at the chance to work there again. We will be happy to provide any additional information needed going forward.

Sincerely,


Daniel L. Berry, P.E.
Vice President

cc: Jonathan Lapsley, P.E., CDM Smith
Evan Haren, P.E., HCCI

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, Director of Engineering
Hunter Carson, Project Manager

DATE: February 11, 2015

RE: Incinerator System Rehabilitation & Emissions Upgrade
MSD Project No. 2013059

The Sewage Sludge Incinerator (SSI), located at MSD's Water Reclamation Facility (WRF) is crucial to the management of biosolids, as it is currently the only viable disposal option available to MSD. The SSI was placed into service in 1992 and is permitted to process up to 40 dry tons of dewatered sludge per day. MSD currently processes approximately 15 dry tons of sludge per day. Due to the extreme nature of the incineration process (i.e. high temperatures and corrosive gases), several components of the SSI have deteriorated over time.

This project consists of the replacement of these components, including, but not limited to the heat exchanger (waste heat recovery system), venturi scrubber (particulate removal system), and associated exhaust piping. The project also includes the installation of a mercury scrubber to comply with newly established federal emission guidelines, which take effect on March 21, 2016. Details of this legislation (known as EPA's MACT Rule), as well as an overview of the rehabilitation project were covered during the August 21, 2013 MSD Board meeting, and the CIP Committee meeting in May 2014.

In order to meet the MACT compliance deadline, MSD and its consulting engineer, CDM Smith, maintained a strict schedule. Measures were taken to ensure that crucial pieces of equipment, specifically the new heat exchanger, venturi scrubber, and mercury scrubber arrive on site in a timely manner. MSD approved a sole-source specification of the venturi and mercury scrubbers, manufactured by EnviroCare International, as well as proceeding with the production of engineering submittals for both pieces of equipment. These items were approved at the November 19, 2014 MSD Board meeting.

MSD also approved the pre-purchase of the new primary heat exchanger from Thermal Transfer, as this item has a long lead time of approximately 9 months. This was approved at the December 17, 2014 MSD Board meeting. By initiating these steps, delivery times for major pieces of equipment have been reduced by more than two months, in turn allowing additional time at the end of the project for sufficient equipment implementation and MACT compliance testing.

On February 5, 2015 at 2:00pm, four sealed bids were received for the Incinerator System Rehabilitation & Emissions Upgrade project. Results were as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Wharton-Smith, Inc.	\$5,482,265.00
2) H&M Constructors	\$5,323,000.00
3) Haren Construction Company, Inc.	\$5,318,000.00
4) Industrial Furnace Company, Inc.	\$3,745,000.00

Upon review of the bid submission from Industrial Furnace Company Inc., it was identified that Industrial Furnace Company Inc. was not a licensed General Contractor in the State of North Carolina at the time of the bid. In accordance with NC General Statute 87-1 and 87-13, all bidding Contractors must be licensed at the time of bid submission. Therefore, Industrial Furnace Company Inc.'s bid was determined non-responsive and was removed from consideration, making Haren Construction Company, Inc. the apparent low bidder.

The Fiscal Year 2014/15 CIP budget included \$10.3M for the construction of the said project; however, during design, MSD explored and ultimately adopted an alternative mercury control technology, saving the District close to \$5M in capital costs. As a result, CDM Smith's final construction estimate prior to bidding was \$4,500,000. Because all (responsive) bids exceeded the Engineer's estimate, North Carolina General Statute 143-129 allowed MSD to negotiate with the apparent low bidder, Haren Construction Company, Inc. in order to bring the contract price to within (or closer to) the Engineer's estimate.

Haren Construction Company, Inc. worked in parallel with CDM Smith and its subcontractors to lower its contract price without compromising project quality. Ultimately, Haren Construction Company offered a value-engineered price of \$4,624,000.00. While this price still exceeds the Engineer's estimate, MSD and CDM Smith feel that this is a fair and reasonable price.

Haren Construction Company, Inc. has worked for MSD on a previous incinerator rehabilitation project in 2004. The project included the installation of a new heat exchanger, new gas duct and process air piping, replacement of incinerator refractory lining, and an upgrade to the fluidizing air blowers and controls. MSD Staff was very pleased with the quality of work provided by Haren Construction Company, Inc. and recommends their services for the current project. CDM Smith also contacted current references, included as part of Haren's bid package, and received positive feedback from all contacts.

Staff recommends that this project be awarded to Haren Construction Company, Inc. of Etowah, TN in the amount of \$4,624,000.00, subject to MSD Counsel's review and approval of the bids.

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

BUDGET DATA SHEET - FY 2014 - 2015

PROJECT: Incinerator System Emissions Upgrades	LOCATION: MSD-Treatment Plant
TYPE: Treatment Plant	PIPE RATING: N/A
PROJECT NO.: 2013059	TOTAL LF: 0
PROJECT BUDGET: \$11,230,000.00	PROJECT ORIGIN: New Regulatory Requirements

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/13	EST. COST JAN - JUNE 2014	EST. BUDGET FY 14-15
55310 - PRELIM. ENGINEERING	\$27,000.00	26,900.00		
55320 - SURVEY - DESIGN	\$1,000.00	850.00		
55330 - DESIGN	\$490,000.00	\$94,900.00	\$80,000.00	\$280,000.00
55340 - PERMITS	\$42,000.00	\$8,990.00	\$22,000.00	\$11,000.00
55350 - SPECIAL STUDIES	\$130,000.00		\$53,000.00	\$77,000.00
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$10,302,000.00	\$1,600.75		\$2,500,000.00
55430 - CONST. CONTRACT ADM.	\$238,000.00			\$133,000.00
55440 - TESTING				
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$11,230,000.00	\$133,240.75	\$155,000.00	\$3,001,000.00

ENGINEER: MSD	HC	ESTIMATED BUDGETS - FY '14 -'23	
R.O.W. ACQUISITION: N/A	# PLATS: [0]	FY 15-16	\$7,415,000.00
CONTRACTOR:		FY 16-17	\$525,000.00
CONSTRUCTION ADM.: MSD		FY 17-18	\$0.00
INSPECTION: MSD		FY 18-19	\$0.00
		FY 19-20	\$0.00
		FY 20-21	\$0.00
		FY 21-22	\$0.00
		FY 22-23	\$0.00
		FY 23-24	\$0.00

PROJECT DESCRIPTION: This project is required as a result of new emissions regulations which will go into effect March 2016.

SPECIAL PROJECT NOTES: Cost estimate based on CDM's PER opinion of probable construction cost - January, 2014.



**Incinerator System Emissions Upgrades
Project No. 2013059**

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: February 18, 2014

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

PREPARED BY: Kevin Johnson

REVIEWED BY: Ed Bradford, P.E., Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Carmel Ridge Apartments Sewer Extension Project, MSD Project No. 2013018.

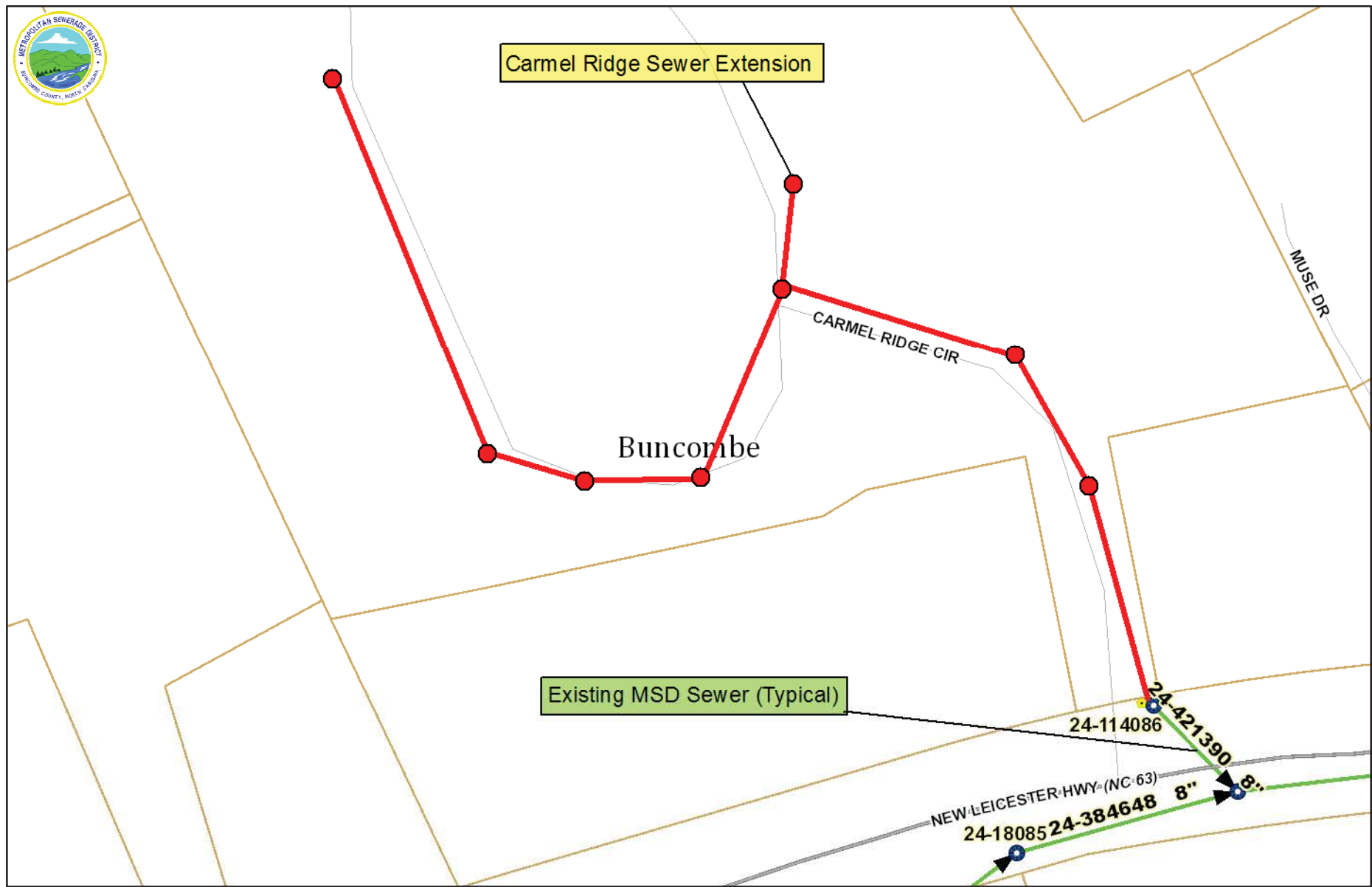
BACKGROUND: This project is located outside the District boundary off New Leicester Hwy (NC63) in Buncombe County. The developer of the project is James Wymer of Carmel Ridge Apartments, LP.

The project included extending approximately 1,126 linear feet of 8-inch public gravity sewer to serve the eighty (80) unit apartment complex.

A wastewater allocation was issued in the amount of 17,000 GPD for the project. The estimated cost of the sewer construction is \$73,595.00.

All MSD requirements have been met.

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



Carmel Ridge MSD Project #2013018

Author: KJ

1 in = 100 ft

Date: 2/9/2015

The Metropolitan Sewerage District of Buncombe County, NC has prepared these maps based on best available information for use in assisting District maintenance work, service area analysis, and planning. The District does not warrant the accuracy of any of the information shown. Field verification is advised for all information shown on the maps or included with manhole data. No guarantee is given as to the accuracy or currency of any of the data. Therefore, in no event shall the District be liable for any special, indirect, or consequential damages or any damages whatsoever resulting from loss of use, data, or profits, whether in an action of contract, negligence, or other action, arising out of or in connection with the use of the information herein provided. Grid shown is North Carolina State Plane Coordinate System NAD 1983 (North American Datum 1983).

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: February 18, 2014

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

PREPARED BY: Kevin Johnson

REVIEWED BY: Ed Bradford, P.E., Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Goldmont Street Sewer Extension Project, MSD Project No. 2012087

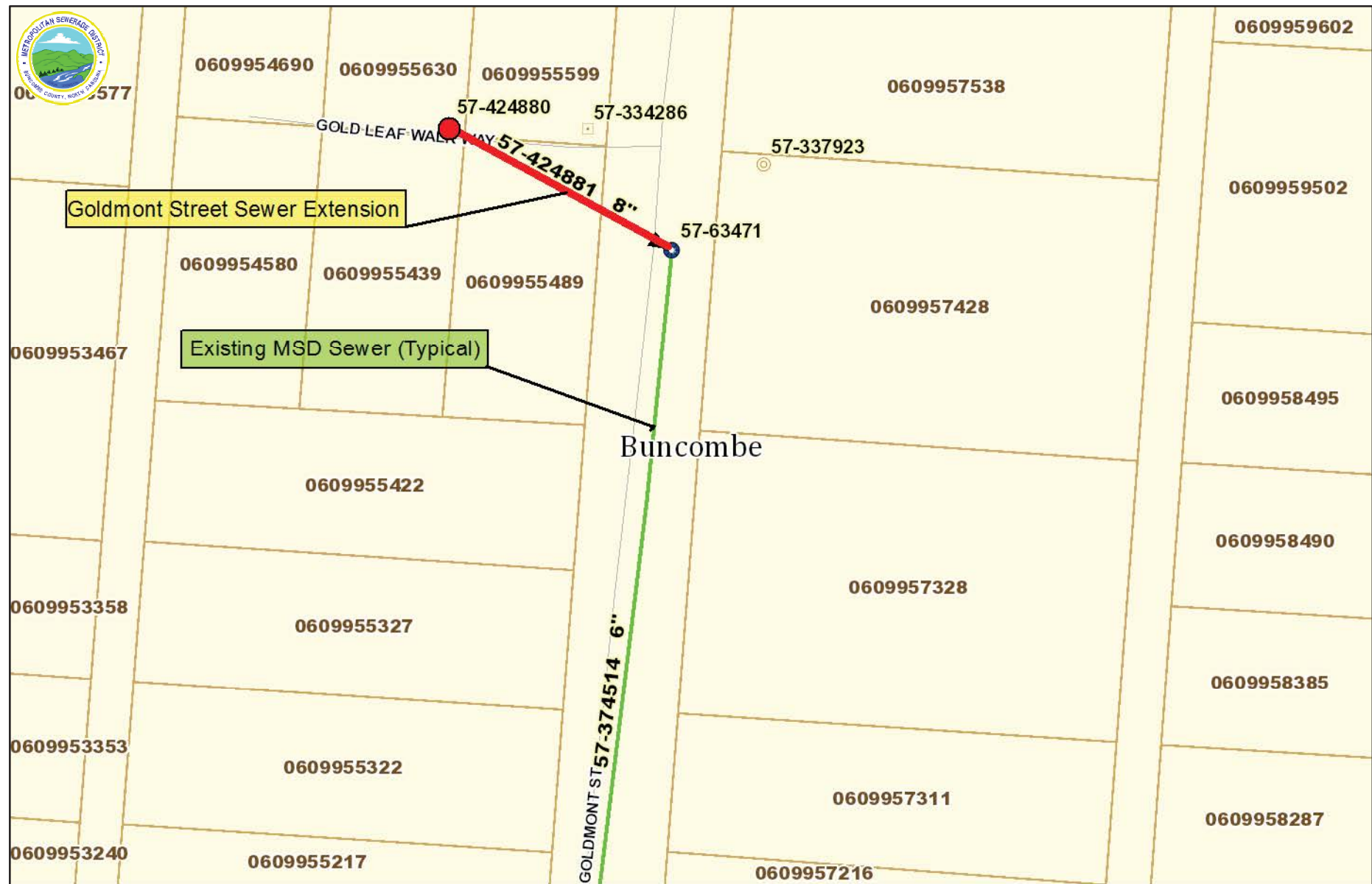
BACKGROUND: This project is located inside the District boundary off Goldmont Street in the Town of Black Mountain. The developer of the project is AU Development, LLC.

The project included extending approximately 90 linear feet of 8-inch public gravity sewer to serve the six (6) unit residential development.

A wastewater allocation was issued in the amount of 2,400 GPD for the project. The estimated cost of the sewer construction is \$15,551.00.

All MSD requirements have been met.

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



Goldmont Street MSD Project #2012087

Author: KJ

1 in = 50 ft

Date: 2/5/2015

The Metropolitan Sewerage District of Buncombe County, NC has prepared these maps based on best available information for use in assisting District maintenance work, service area analysis, and planning. The District does not warrant the accuracy of any of the information shown. Field verification is advised for all information shown on the maps or included with manhole data. No guarantee is given as to the accuracy or currency of any of the data. Therefore, in no event shall the District be liable for any special, indirect, or consequential damages or any damages whatsoever resulting from loss of use, data, or profits, whether in an action of contract, negligence, or other action, arising out of or in connection with the use of the information herein provided. Grid shown is North Carolina State Plane Coordinate System NAD 1983 (North American Datum 1983).

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: February 18, 2014

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

PREPARED BY: Kevin Johnson

REVIEWED BY: Ed Bradford, P.E., Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Reems Creek Cottages Sewer Extension Project, MSD Project No. 2013066

BACKGROUND: This project is located outside the District boundary off Reems Creek Road in the Town of Weaverville. The developer of the project is Drew Norwood of the Windsor Aughtry Company, Inc.

The project included extending approximately 495 linear feet of 8-inch public gravity sewer to serve the seventeen (17) unit residential development.

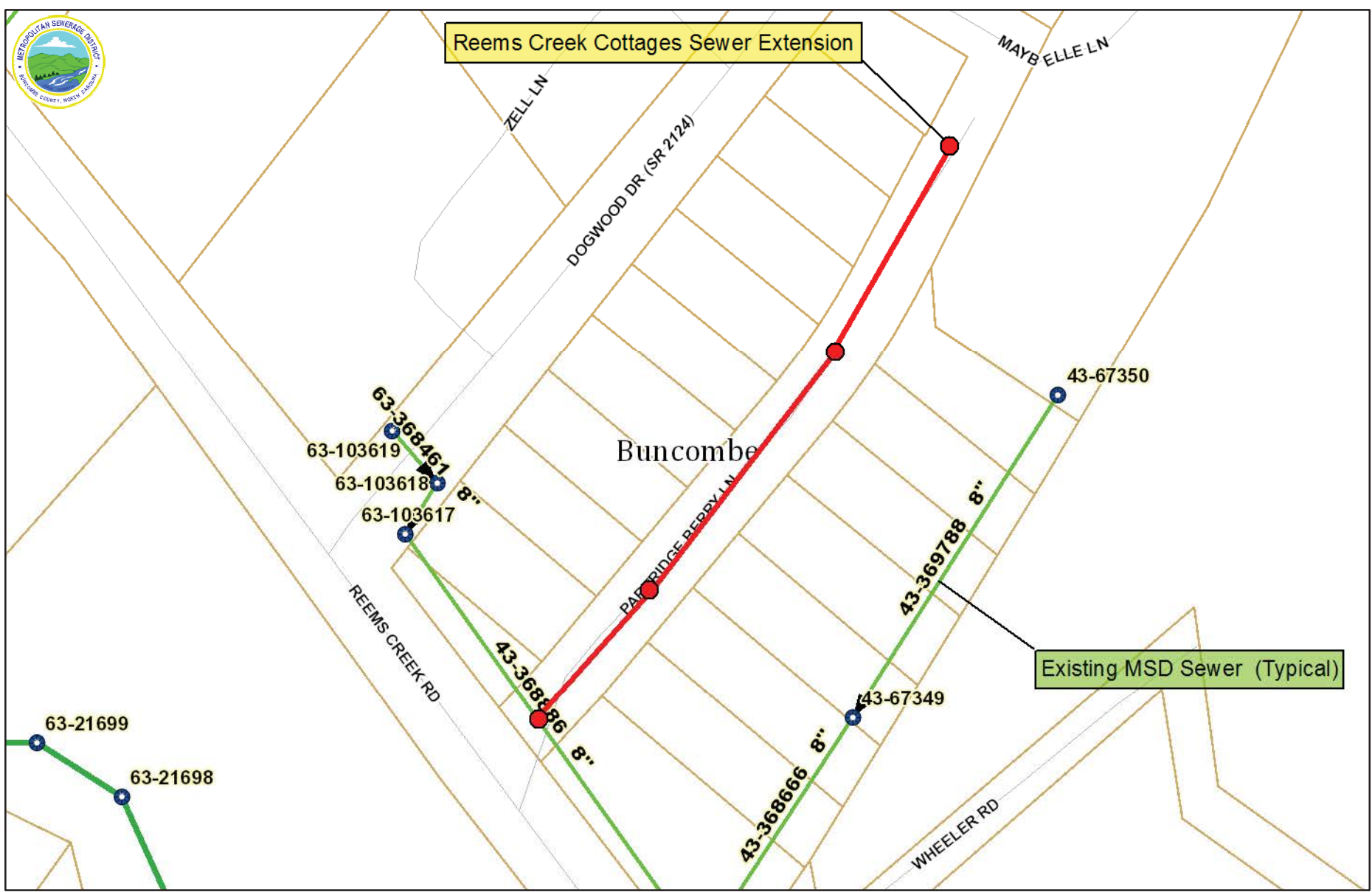
A wastewater allocation was issued in the amount of 5,100 GPD for the project. The estimated cost of the sewer construction is \$35,000.00.

All MSD requirements have been met.

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



Reems Creek Cottages Sewer Extension



Reems Creek Cottages MSD Project #2013066

Author: KJ

1 in = 100 ft

Date: 2/9/2015

The Metropolitan Sewerage District of Buncombe County, NC has prepared these maps based on best available information for use in assisting District maintenance work, service area analysis, and planning. The District does not warrant the accuracy of any of the information shown. Field verification is advised for all information shown on the maps or included with manhole data. No guarantee is given as to the accuracy or currency of any of the data. Therefore, in no event shall the District be liable for any special, indirect, or consequential damages or any damages whatsoever resulting from loss of use, data, or profits, whether in an action of contract, negligence, or other action, arising out of or in connection with the use of the information herein provided. Grid shown is North Carolina State Plane Coordinate System NAD 1983 (North American Datum 1983).

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: February 18, 2015
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
Subject: Second Quarter Budget to Actual Review – FY2015

Background

At the end of each quarter, actual revenue and expenditure amounts are compared with the budget to evaluate the District's financial performance. The attached schedule includes year-to-date actual amounts as of December 31, 2014 as well as the adopted budget for FY15.

Discussion

There are several explanatory notes at the bottom of the page to assist in using this schedule as a management tool. Other considerations are as follows:

- ▶ Domestic and Industrial User Fees are at budget expectations. Staff monitors consumption trends as they have a direct effect on the District's current and future revenue projections.
- ▶ Facility and Tap Fees, also conservatively budgeted, can be significantly higher or lower than budget. Facility and Tap fees are above budgeted expectations due to receiving unanticipated revenue of \$774,000 from three commercial/residential developers and a number of taps requiring bore/pavement disturbance.
- ▶ Interest and miscellaneous income are slightly below budgeted expectations. Fixed income investment yields are lower than expected due to continued Federal Reserve policy of keeping short-term interest rates near zero percent.
- ▶ Rental income reflects expected earnings.
- ▶ O&M expenditures are at 49.74% of budget. The expenditures include encumbered amounts and are at budget expectations. The aforementioned encumbrances will be spent in the future periods.
- ▶ Bond principal and interest expenditures are reflected at 50%. This will aid the user to properly assess the District's overall debt service commitments. Actual amount spent is 3.8%, due to the timing of the District's debt service payments. The District is required to make a semi-annual interest payment on January 1, 2015 and a principal and semi-annual interest payment on July 1, 2015.
- ▶ Amounts budgeted for capital equipment and capital projects are rarely expended proportionately throughout the year and are expected to be fully spent prior to the end of the year.

Staff Recommendation

None – Informational only

Action Taken

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

Board Meeting: February 18, 2015
Subject: Second Quarter Budget to Actual Review – FY2015
Page -2-

Metropolitan Sewerage District
Budget to Actual Revenue and Expenditure Report
For the six months ended December 31, 2014
UNAUDITED--NON-GAAP

	Budget	Actual to Date	% Budget to Actual
REVENUES			
Domestic User Fees ¹	\$ 28,445,115	\$ 14,864,601	52.26%
Industrial User Fees	1,835,438	950,982	51.81%
Facility Fees ²	1,250,000	1,843,068	147.45%
Tap Fees ³	105,000	186,790	177.90%
Billing and Collection	725,702	361,792	49.85%
Interest and Misc. Income	486,618	225,984	46.44%
Employee Contribution to Health Ins.	417,800	216,199	51.75%
City of Asheville (Enka Bonds)	37,000	-	0.00%
Rental Income	68,742	35,613	51.81%
Use of Available Funds ⁴	15,802,036	7,220,731	45.69%
Total Revenues⁵	\$ 49,173,451	\$ 25,905,761	52.68%
EXPENDITURES			
Operations and Maintenance ⁶	\$ 15,526,358	\$ 7,722,611	49.74%
Bond Principal and Interest ⁷	10,389,488	5,194,744	50.00%
Capital Equipment (Other than O&M) ⁶	497,050	224,957	45.26%
Capital Projects ⁶	21,760,555	12,763,448	58.65%
Contingency	1,000,000	-	0.00%
Total Expenditures	\$ 49,173,451	\$ 25,905,761	52.68%

Notes:

- ¹ Revenues are accounted for on the cash basis method
- ² Increase due to unanticipated revenue from three developments at \$773,850
- ³ Increase in number of Taps requiring Bore Fees
- ⁴ Pay-as-go funds to be used for CIP
- ⁵ Budget-to-Actual Ratio does not include use of available funds
- ⁶ Includes encumbered amounts as well as actual insurance expenditures
- ⁷ Bond principal and interest expenditures are reflected a 50%. Actual spend amount is 3.82%.

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: February 18, 2015

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 December 31, 2014

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 December 31, 2014 were \$53,264,710. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.417%. 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 December 31, 2014 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of December 31, 2014 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$14,941,071.

Total Cash & Investments as of 12/31/2014	53,264,710
Less:	
Budgeted Commitments (Required to pay remaining FY14 budgeted expenditures from unrestricted cash)	
Construction Funds	(14,966,197)
Operations & Maintenance Fund	(8,339,713)
	(23,305,910)
Bond Restricted Funds	
Bond Service (Funds held by trustee):	
Funds in Principal & Interest Accounts	(1,603,716)
Remaining Principal & Interest Due	(8,137,310)
	(9,741,027)
District Reserve Funds	
Fleet Replacement	(418,710)
WWTP Replacement	(493,637)
Maintenance Reserve	(913,238)
	(1,825,585)
District Insurance Funds	
General Liability	(331,657)
Worker's Compensation	(270,241)
Post-Retirement Benefit	(1,357,217)
Self-Funded Employee Medical	(1,492,002)
	(3,451,117)
Designated for Capital Outlay	14,941,071

Staff Recommendation

None. Information Only.

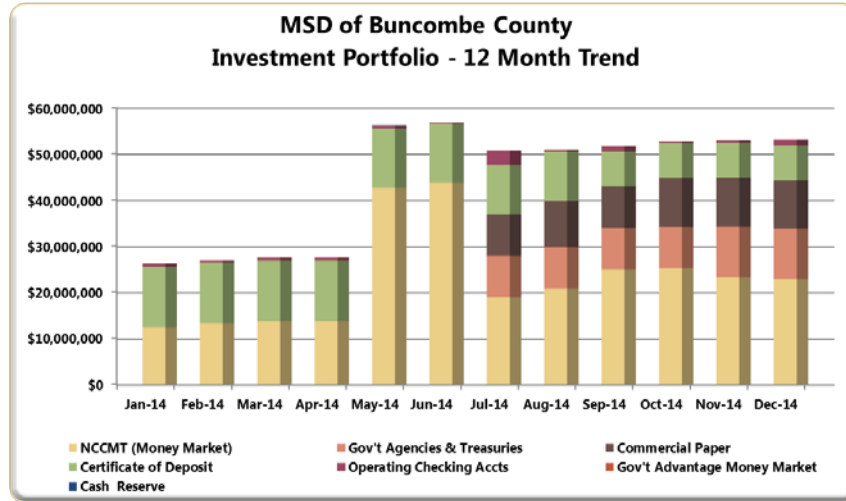
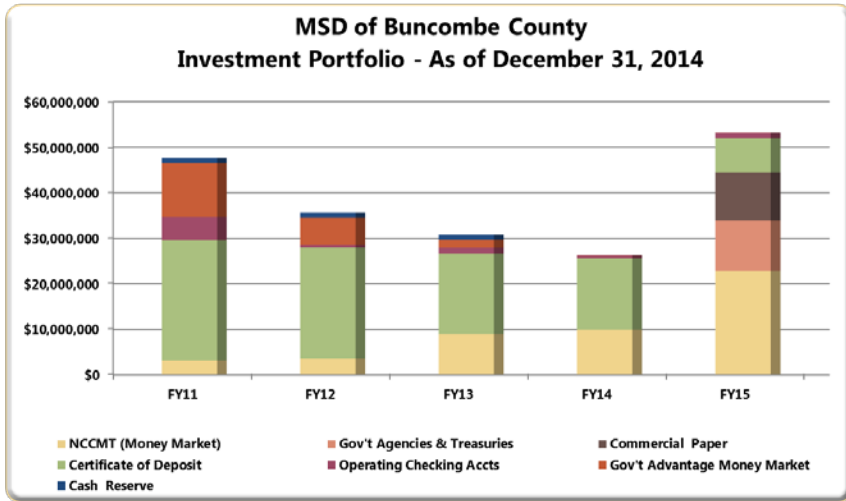
Action Taken

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	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -	\$ -	\$ 1,603,717	\$ -	\$ -	\$ -	\$ -	\$ 1,603,717
Held by MSD	1,218,596	46,662	21,314,429	7,591,468	10,490,858	-	10,998,980	51,660,993
	\$ 1,218,596	\$ 46,662	\$ 22,918,146	\$ 7,591,468	\$ 10,490,858	\$ -	\$ 10,998,980	\$ 53,264,710

<u>Investment Policy Asset Allocation</u>	<u>Maximum Percent</u>	<u>Actual Percent</u>	
U.S. Government Treasuries,	100%	20.65%	No significant changes in the investment portfolio as to makeup or total amount.
Agencies and Instrumentalities	20%	0.00%	
Bankers' Acceptances	100%	14.25%	The District 's YTM of .43% is exceeding the YTM benchmarks of the
Certificates of Deposit	20%	19.69%	
Commercial Paper	100%	43.03%	6 month T-Bill and NCCMT Cash Portfolio.
North Carolina Capital Management Trust	100%	-	All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Checking Accounts:	100%	-	
Operating Checking Accounts	-	2.29%	
Gov't Advantage Money Market	-	0.09%	



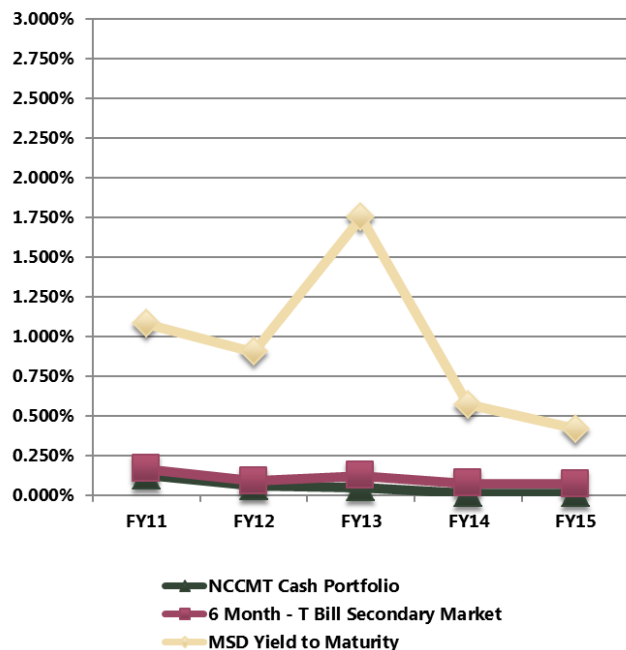
**METROPOLITAN SEWERAGE DISTRICT
INVESTMENT MANAGERS' REPORT
At December 31, 2014**

	Original		Interest Receivable
	Cost	Market	
Beginning Balance	\$ 50,224,520	\$ 50,224,520	\$ 362,541
Capital Contributed (Withdrawn)	(2,125,530)	(2,125,530)	
Realized Income	7,370	7,370	(4,522)
Unrealized/Accrued Income			17,931
Ending Balance	\$ 48,106,360	\$ 48,106,360	\$ 375,950

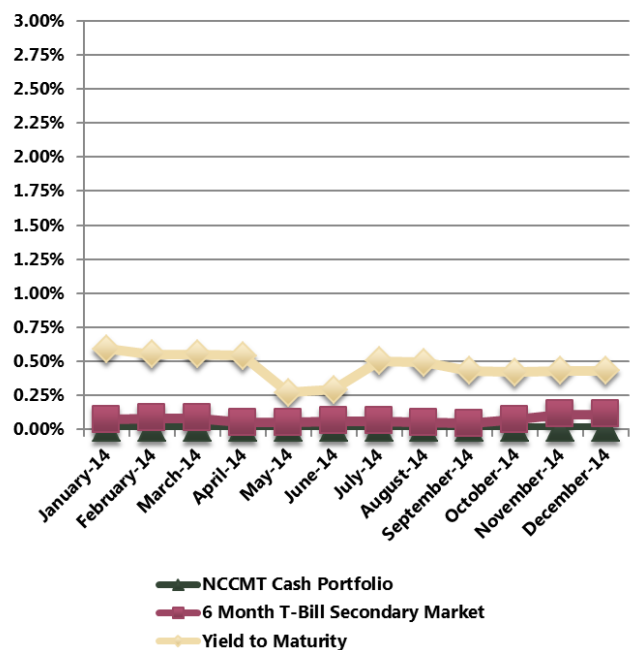
	Original Cost		Income	
Cash Equivalents <91 Days	\$ 26,519,050	\$	11,455	
Securities/CD's 91 to 365 Days	12,588,281	\$	5,437	
Securities/CD's > 1 Year	8,999,030	\$	3,887	
	\$ 48,106,360	\$	20,779	

<u>Month End Portfolio Information</u>	
Weighted Average Maturity	220
Yield to Maturity	0.43%
6 Month T-Bill Secondary Market	0.11%
NCCMT Cash Portfolio	0.01%

**Metropolitan Sewerage District
Annual Yield Comparison**



**Metropolitan Sewerage District
Yield Comparison - December 31, 2014**



Board Meeting:

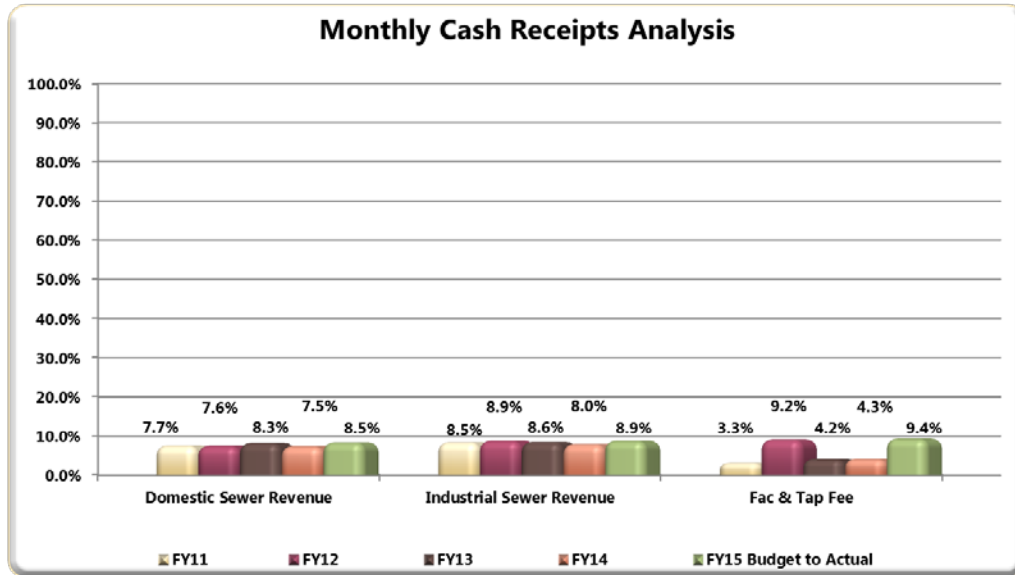
February 18, 2015

Subject:

Cash Commitment/Investment Report-Month Ended December 31, 2014

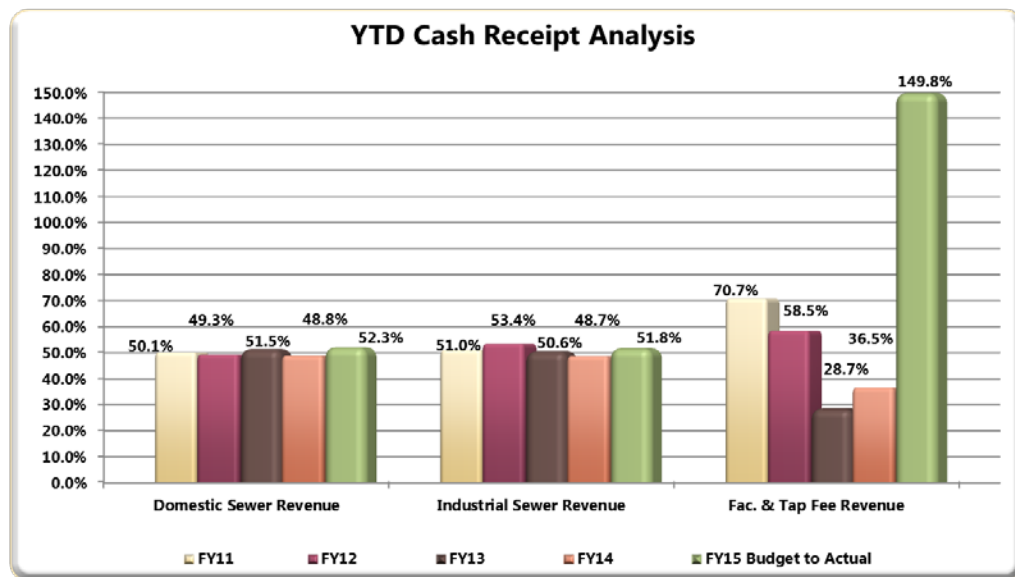
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**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF CASH RECEIPTS
As of December 31, 2014**



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.

Board Meeting:

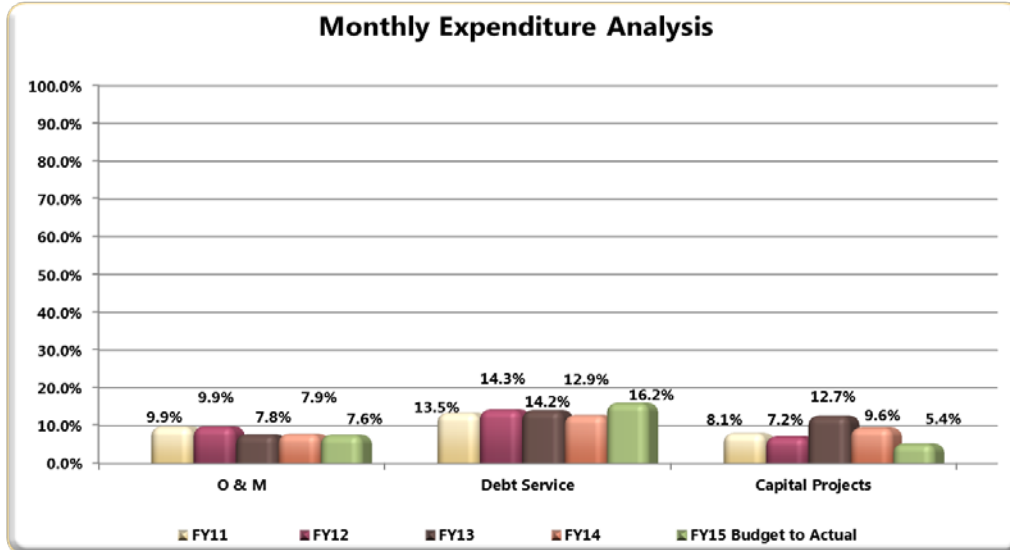
February 18, 2015

Subject:

Cash Commitment/Investment Report-Month Ended December 31, 2014

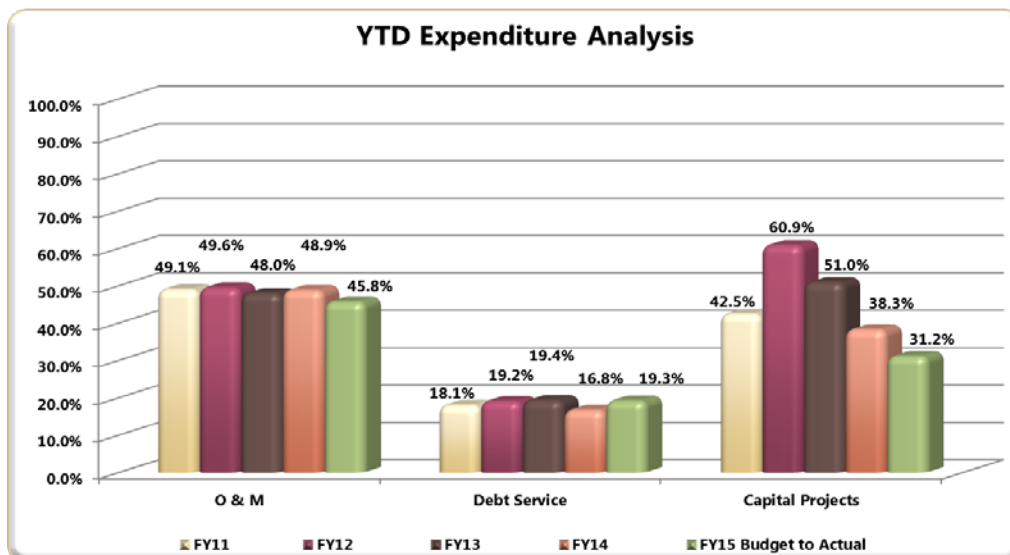
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**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF EXPENDITURES
As of December 31, 2014**



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:

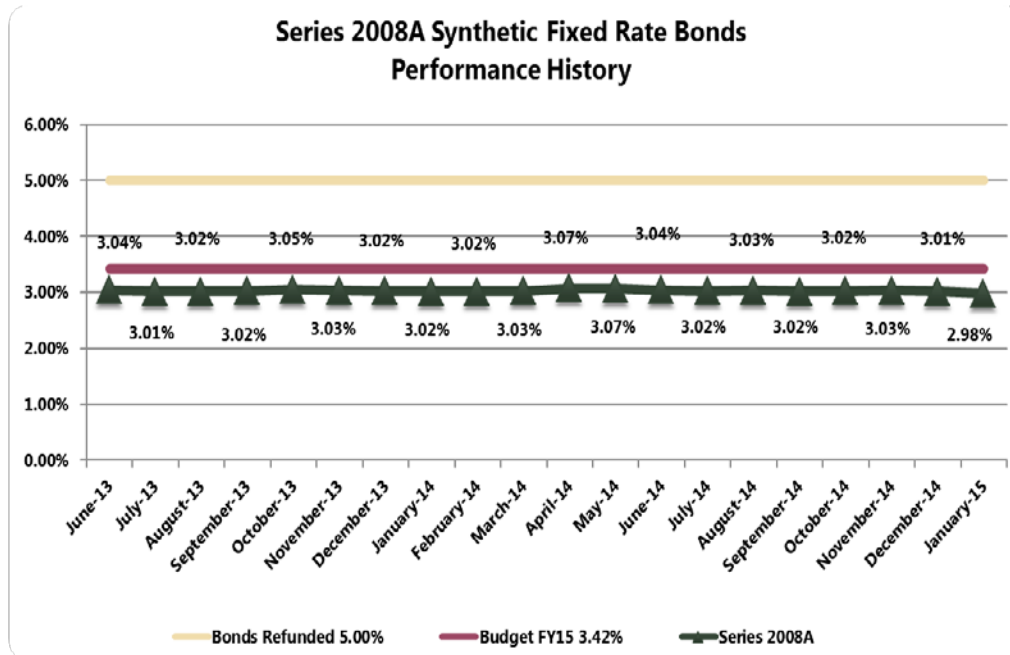
February 18, 2015

Subject:

Cash Commitment/Investment Report-Month Ended December 31, 2014

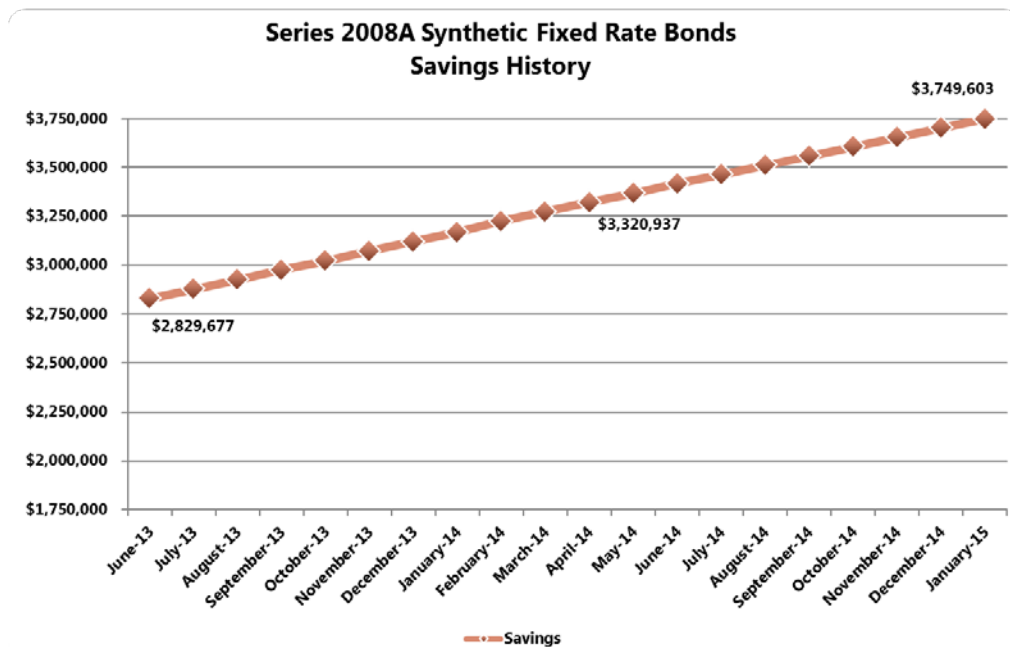
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**METROPOLITAN SEWERAGE DISTRICT
VARIABLE DEBT SERVICE REPORT
As of January 31, 2015**



Series 2008A:

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$3,749,603 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 3.9475%, MSD will achieve cash savings of \$4,730,000 over the life of the bonds.
- MSD would pay \$5,645,000 to terminate the existing Bank of America Swap Agreement.



STATUS REPORTS

MSD SYSTEM SERVICES IN-HOUSE CONSTRUCTION FY 14-15 PIPELINE REHABILITATION PROJECTS								
PROJECT NAME	LOCATION	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
Westwood Road Phase 2	N. asheville	400	6/25/14 - 7/4/14	215883	667	7/3/2014	400	complete
Penelope Street	Black Mountain	400	7/14/14 - 8/15/14	470602	667	7/24/2014	415	complete
Shiloh Road	Asheville	350	7/15/14 - 7/31/14	456294	631	8/1/2014	354	complete
995 West Chapel Rd	Asheville	100	8/1/14 - 8/15/14	211782	631	8/7/2014	60	complete
Emory Road	W. Asheville	300	7/25/14 - 8/15/14	456301	667	8/11/2014	290	complete
Haywood Street P. S. and FM	Asheville	225	8/18/14 - 9/5/14	216297	631	8/22/2014	305	complete
Springside Drive	W. Asheville	522	8/16/14 - 9/10/14	205995	667	9/15/2014	631	complete
Woodbury Rd -91 Carter Cove	N. Asheville	239	9/11/14 - 9/29/14	470613	667	9/29/2014	220	complete
Terre Drive / Dunwood Road	N. Asheville	308	9/30/14 - 10/31/14	410100	667	10/20/2014	405	complete
Hickory Court	Arden/Royal Pines	1633	9/8/14 - 10/17/14	448319	631	10/24/2014	1631	complete
190 Tunnel Rd Sewer Replacement	Asheville	255	11/3/14 - 11/5/14	218034	667	10/27/2014	264	complete
N. Anne St.	Asheville	550	10/23/14 - 11/23/14	44181	631	11/14/2014	598	complete
809 Patton Avenue	Asheville	112	11/24/14 - 11/25/14	219718	647	11/25/2014	112	complete
Biltmore Forest County Club Sewer Replacements Phase 1	Biltmore Forest	1000	11/3/14 - 12/15/14	218277	647	12/10/2014	1080	complete
6 Hilderbrand Street	Asheville	400	12/11/14 - 12/31/14	46649	647	12/31/2014	368	complete
Sunset Drive @ Bee Tree Road	Swannanoa	1055	11/17/14 -1/7/15	219327	631	12/31/2014	1086	complete
E Skyview Circle PSR	Woodfin	400	1/12/15 - 1/21/15	217301	631	1/21/2015	361	complete
Rumbough Place	W. Asheville	710	1/19/14 - 2/16/14	201105	631	2/4/2015	717	complete
Campus Drive (UNCA)	Asheville	335	1/5/15 - 2/5/15	210230	647	2/5/2015	355	complete
1091 Patton Avenue (@ Tastee Freez)	Asheville	80	2/3/15 -2/7/15	221418	631			Construction is 80% complete as of 2/5/15
165 Old County Home Road	Asheville/Leicester	1,100	2/6/15 - 4/1/15	433522	647			Construction just begun
Dilling Avenue	Black Mountain	692	2/6/15 - 3/9/15	221464	631			Construction just begun
Deanwood Circle	Asheville	1292	3/10/15 - 5/1/15	400925	631			ready for construction - Project Number 2012030, CIP Transmittal 204
Biltmore Forest County Club Sewer Replacements Phase 2	Biltmore Forest	300	4/2/15 - 4/15/15	TBA	647			ready for construction
Sareva Place	N. Asheville	957	TBA	410095	TBA			ready for construction
Robindale Ave	Asheville	520	TBA	433537	TBA			ready for construction
18 Crestland Road	Asheville	270	TBA	448974	TBA			ready for construction
Tacoma Circle	Asheville	300	TBA	221217	TBA			In Design
Starnes Avenue at Broadway Street	Asheville	400	TBA	400927	TBA			ready for construction
350 Old Haw Creek Road	Asheville	1333	TBA	400923	TBA			ready for construction
155 New Haw Creek Road	Asheville	TBA	TBA	456318	TBA			ready for construction
Carjen Avenue	Asheville	825	TBA	410096	TBA			ready for construction
East Grovestone Quarry	Black Mountain	780	TBA	457386	TBA			ready for construction
11 Old West Chapel	Asheville	TBA	TBA	TBA	TBA			Preliminary Design - CIP Transmittal 215
184 West Chestnut	Asheville	320	TBA	433541	TBA			Preliminary Design - Transmittal 196
Winnfred Street	W. Asheville	420	TBA	400928	TBA			Preliminary Design, Transmittal 218



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2014 to 12/31/2014

	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 2014	46	15	193	908	26	18	3,800	0	235	415	6	400	1050
August 2014	44	7	219	536	29	11	200	0	143	674	7	330	1147
September 2014	38	9	154	650	44	23	1,345	0	16	856	6	0	872
October 2014	33	8	219	644	30	23	420	0	204	405	20	2,075	2684
November 2014	19	8	51	606	28	18	0	0	234	598	3	0	832
December 2014	40	6	118	715	41	18	1,383	0	654	1592	20	942	3188
Grand Totals	220	53	952	4,060	198	111	7,148	0	1486	4540	62	3,747	9773

* Used to calculate Total Rehab Footage



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2014 to December 31, 2014

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
2014							
July	66,005	2,224	3,370	69,315	24,012	650	27,593
August	62,930	1,101	6,357	69,087	32,258	3,150	16,074
September	42,031	2,136	3,299	45,277	24,495	3,650	24,813
October	90,846	1,502	9,854	100,694	35,690	0	3,549
November	61,000	1,208	4,631	65,631	16,007	10	12,239
December	53,482	2,361	7,593	60,910	25,855	400	17,845
Grand Total:	376,294	10,532	35,104	410,914	158,317	7,860	102,113
Avg Per Month:	62,716	1,755	5,851	68,486	26,386	1,310	17,019



CUSTOMER SERVICE REQUESTS

Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
DAY 1ST RESPONDER				
	July, 2014	108	33	42
	August, 2014	90	28	34
	September, 2014	98	36	40
	October, 2014	96	31	38
	November, 2014	92	30	39
	December, 2014	103	31	40
		587	31	39
NIGHT 1ST RESPONDER				
	July, 2014	29	20	18
	August, 2014	28	24	24
	September, 2014	37	22	20
	October, 2014	29	22	23
	November, 2014	10	90	15
	December, 2014	25	49	29
		158	31	22
ON-CALL CREW *				
	July, 2014	37	39	48
	August, 2014	33	55	40
	September, 2014	33	47	70
	October, 2014	23	49	49
	November, 2014	47	54	33
	December, 2014	59	55	40
		232	50	45
Grand Totals:		977	36	38

* On-Call Crew Hours: 10:30pm-7:30am Monday-Friday, Weekends, and Holidays

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

February 10, 2015

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BROADVIEW AVENUE	Oakley	Buckeye Bridge	7/16/2014	9/8/2014	3/7/2015	\$1,111,015.90	30%	Winston Avenue is 80% complete. Rock has been encountered on Line A.
CLAYTON ROAD PUMP STATION	Skyland	J.S. Haren Company	11/19/2014	2/23/2015	6/23/2015	\$192,500.00	0%	No work has begun yet. Submittals in review.
CROCKETT AVENUE PRP	Asheville	Terry Brothers	8/20/2014	11/17/2014	3/17/2015	\$676,842.00	50%	Contractor working on mainline construction.
EAST STATE STREET @ WEST STREET	Black Mountain	Davis Grading, Inc.	6/11/2014	7/14/2014	12/19/2014	\$403,640.00	99%	Project ready for close out.
FAIRFAX AVENUE PRP	W. Asheville	Terry Brothers	8/20/2014	10/22/2014	3/31/2015	\$558,802.00	87%	Mainline construction ongoing.
MERRIMON AVENUE @ STRATFORD ROAD	Asheville	Terry Brothers	9/18/2013	12/16/2013	3/31/2015	\$885,849.00	82%	Elkwood Bore is complete. Crews have resumed work on the 30" DIP.
MOUNT VERNON PLACE, PHASE 2	Asheville	Terry Brothers	6/11/2014	7/14/2014	4/1/2015*	\$542,675.00	90%	Mainline construction is complete. Asphalt work is on hold until Spring *, partnering with COA.
OLD HAYWOOD ROAD @ STARNES COVE ROAD	Asheville	Terry Brothers	10/15/2014	2/16/2015	5/17/2015	\$341,342.00	0%	No work has begun yet.
OLD U.S. 70 @ PINE CIRCLE	Swannanoa	Thomas Construction Company	11/19/2014	1/14/2015	5/14/2015	\$545,153.31	10%	Contractor is working on mainline.
ROBINWOOD AVENUE	Asheville	Davis Grading, Inc.	9/17/2014	11/3/2014	4/1/2015*	\$457,838.60	85%	Contractor is completing services on Evergreen and then will move back to Robinwood to complete the added work of 440 feet of 8" DIP. * Paving to be done in Spring.
WENDOVER ROAD	Asheville	Davis Grading, Inc.	1/21/2015	3/2/2015	5/31/2015	\$576,269.50	0%	Preconstruction meeting is scheduled for February 24th.
SHADOWLAWN DRIVE PHASE I	Asheville	Buchanan & Sons	12/17/2014	1/26/2015	6/25/2015	\$923,946.00	0%	No work has begun yet. Submittals in review.
WRF - INCINERATOR SYSTEM REHABILITATION AND EMISSIONS UPGRADES	Woodfin	TBA	TBA	TBA	TBA	TBA	0%	Bids were opened on February 5th. Haren Construction Company was the apparent low responsive bidder. This project will be presented at the February Board meeting.
WRF - SLIDE GATE REPLACEMENT	Woodfin	NHM Constructors	9/18/2013	10/7/2013	1/31/2015	\$392,554.38	100%	Project complete and in close out.

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

Planning & Development Project Status Report

February 18, 2015

Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
Black Mtn. Annex- Blue Ridge Rd.	1992171	Black Mtn.	24	2,560	8/19/2010	Complete- waiting on conveyance
Black Mtn. Annex- McCoy Cove	1992174	Black Mtn.	24	2,067	8/19/2010	Complete- waiting on conveyance
Black Mtn. Annex- Avena Rd.	1999026	Black Mtn.	24	4,300	8/19/2010	Complete- waiting on conveyance
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
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
Ramble at Parkway	2013100	Biltmore Forest	TBD	335	7/26/2013	Complete-Waiting on final documents
Carolina Truck and Body (Cooper)	2012075	Asheville	Comm.	298	10/30/2012	Complete-Waiting on final documents
Sardis Road (COA) Annexation	2009037	Asheville	N/A	6,981	4/2/2012	Complete-Waiting on revised ROW items
Ardmion Park	2011107	Asheville	5	208	4/16/2013	Complete-Waiting on final documents
Central Ave	2012065	Asheville	6	305	9/26/2013	Complete - Waiting on final documents
Westover Relocation	2013132	Asheville	1	87	11/20/2013	Complete - Waiting on final documents
Brookgreen Phase 1D-Kenai Dr.	2013076	Woodfin	3	370	3/14/2014	Complete - Waiting on final documents
Echo Hills Cottages	2013121	Asheville	11	532	4/30/2014	Complete - Waiting on final documents
Village at Bradley Branch - Ph. III	2008076	Asheville	44	783	8/8/2008	Complete - Waiting on final documents
Waynesville Ave (Pittman)	2013046	Asheville	15	332	5/23/2013	Complete-Waiting on final documents
Hyde Park	2013058	Arden	65	3,062	12/3/2013	Complete-Waiting on final documents
Thoms Estate 3B & 4	2013052	Asheville	35	4,690	7/26/2013	Complete-Waiting on final documents
Laurel Lane	2012121	Black Mountain	3	107	8/12/2014	Complete-Waiting on final documents
Locust Springs	2012107	Black Mountain	18	621	3/14/2014	Complete-Waiting on final documents
Quail Hollow Ph. 2	2013062	Arden	15	1,302	6/11/2014	Complete-Waiting on final documents
Palisades Apartments	2013024	Asheville	224	1,423	9/4/2013	Complete-Waiting on final documents
STF Precision	2013084	Buncombe Co.	Comm.	199	5/29/2014	Construction complete awaiting final docs

Planning & Development Project Status Report

February 18, 2015

Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
Ingles - Sand Hill Rd.	2007214	Enka	Comm.	1,255	10/15/2014	Pre-con held, ready for construction
Ingles	2007214	Black Mtn.	Comm.	594	3/4/2008	Ready for final inspection
Bartram's Walk	2007065	Asheville	100	10,077	7/28/2008	Waiting on pavement to do final inspection
Morgan Property	2008007	Candler	10	1,721	8/11/2008	Pre-con held, ready for construction
Canoe Landing	2007137	Woodfin	4	303	5/12/2008	Ready for construction
Central Valley	2006166	Black Mtn	12	472	8/8/2007	Punch list pending
Publix	2013134	Asheville	Comm.	612	10/5/2014	Installing
Avalon	2013114	Asheville	192	1,343	6/2/2014	Ready for final inspection
Mallard Run	2014109	Buncombe Co.	72	2,811	10/31/2014	Pre-con held, ready for construction
Crest Mountain Phase 3B	2013041	Woodfin	69	1,329	10/15/2013	Testing
Ingles - Smokey Park Highway	2013135	Asheville	Comm.	1,289	4/11/2014	Ready for final inspection
The Aventine	2011015	Biltmore Forest	300	3,238	10/14/2013	Ready for final inspection
New Belgium Relocation	2013143	Asheville	Comm.	380	8/12/2014	Pre-con held, ready for construction
Ansley at Roberts Lake	2013126	Buncombe Co.	296	2,534	6/2/2014	Testing
Hunt Hill Apartments	2013111	Asheville	180	1,729	3/5/2014	Ready for final inspection
Rosebriar	2007005	Black Mountain	180	1,729	3/5/2014	Ready for final inspection
Ventana	2014085	Woodfin	100	5,430	8/12/2014	Installing
Upper Kentucky Improvements	2013085	Montreat	N/A	284	12/3/2013	Awaiting paving prior to final inspection
Upper Kentucky Ph. 1 "Res"	2014101	Montreat	5	265	10/31/2014	Awaiting paving prior to final inspection
Isaac Dickson School Relocation	2013033	Asheville	School	504	1/13/2014	Under Construction - on hold
A.B. Tech Fernihurst Relocation	2014061	Asheville	School	697	4/8/2014	Under Construction - on hold
Locust Springs	2012107	Black Mountain	18	621	3/14/2014	Testing
Telco - Weaverville	2014046	Weaverville	Comm.	110	5/12/2014	Ready for testing
Haywood Village	2014064	Asheville	Mixed	276	6/19/2014	Testing
Boulden Subdivision	2013022	Asheville	3	295	9/16/2014	Pre-con held, ready for construction
Busbee Mountain	2007181	Asheville	9	580	9/29/2014	Ready for final inspection
New Belgium Distribution Ctr.	2014044	Asheville	Comm.	1,620	11/11/2014	Pre-con held, ready for construction
Burk Street - Phase III	2014079	Asheville	7	111	11/20/2014	Pre-con held, ready for construction
Asheville Middle School	2013125	Asheville	School	214	9/30/2014	Pre-con held, ready for construction
Evolve Mountain View	2013105	Asheville	148	347	10/21/2014	Installing
TOTAL			2,462	66,429		