

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
AUGUST 19, 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 pm, Wednesday, August 19, 2015. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Creighton, Frost, Kelly, Manheimer, Pelly, and Watts. Mr. Root and Ms. Wisler were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Jade Dundas with the City of Asheville, Joseph Martin with Woodfin Sanitary Water & Sewer District, Forrest Westall with McGill Associates, P.E., and MSD Staff, Ed Bradford, Scott Powell, Jim Hemphill, Ken Stines, Mike Stamey, 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.

3. Approval of Minutes of the July 15, 2015 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the July 15, 2015 Board Meeting. With no changes, Mr. Kelly moved for approval of the minutes as presented. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

Mr. VeHaun welcomed Dr. Martin and Mr. Dundas, City of Asheville Water Resources Director. Mr. VeHaun asked Mr. Dundas if he had any comments. Mr. Dundas stated he appreciates the opportunity to participate in today's meeting. There was no further public comment.

6. Report of General Manager:

Mr. Hartye presented a letter from the National Association of Clean Water Agencies (NACWA) honoring MSD with the Excellence in Management Gold Recognition. This recognizes MSD accomplishments and ongoing efforts such as detailed 10 year CIP implementation; Plant permit compliance with both air and water permit requirements; 10 year detailed business plan/financial model; Pipe Rating Program; strong Pretreatment Program; excellent customer response, and thorough emergency preparedness. He express his thanks to all employees for their effort; the Board for supporting those efforts, and a special thanks to Ed Bradford for putting together this information into a combined submittal.

Mr. Hartye presented an article in the Clean Cities Now (US Dept. of Energy national publication) regarding the use of biodiesel and featuring MSD's program. MSD's seminal biodiesel program has become a great success and has provided momentum for others around the county. He presented a slide of MSD's water truck used for cleaning lines with "Can the Grease" shown on the side as a reminder to customers of its importance. Blue Ridge Biofuels, a local company, uses recycled cooking oil as a feedstock for its fuel. Mr. Hartye expressed his thanks to Peter Weed and Neil Hall who have spearheaded this effort through the years.

Mr. Hartye reported a call was received from Bob Gun of Pleasant Drive in Black Mountain expressing how impressed he was with the MSD operation and the crews working on the job. Thanks to the MSD in-house construction crews.

Mr. Hartye reported the August ROW Committee meeting is cancelled. The next meeting is scheduled for September 23rd at 9 am. The next regular Board Meeting will be held September 16th at 2 pm.

7. Report of Committees:

Personnel Committee:

Chairperson Bryson reported the Personnel Committee met July 21, 2015 to consider the evaluation of the General Manager. Mr. Hartye reviewed short-term goals, milestones and objectives. Following discussion, the Committee recommends the Board approve an increase in Mr. Hartye's salary to \$180,000 effective July 1, 2015. Mr. VeHaun called for a motion to approve the recommendation of the Personnel Committee. Ms. Frost moved. Mr. Watts seconded the motion. Roll call vote was as follows: 10 Ayes; 0 Nays.

Planning Committee:

In the absence of Chairman Root, Mr. Hartye reported the Planning Committee met July 30, 2015 to consider changes to MSD's policy regarding Accessory Dwelling Units (ADU's). A discussion was held regarding the two types of fees charged by MSD (Sewer Connection and Sewer Facility). Mr. Hartye explained the Connection Fee pays MSD crews to go out and run a line from the public main to the cleanout. The Facility fee is considered an impact fee, which pays for allotment at the plan; interceptors and regional collection system near the project. Regarding the impact fee, MSD has a program whereby if Buncombe County or the City of Asheville determines its affordable housing, MSD will rebate over 70% of the fee from \$2,500 to \$650. He presented a slide showing the two types of ADU's (attached or detached). The Committee recommends to the Board that the District waive the Facility Fee for "attached additions" to single family housing. Mr. VeHaun called for a motion to approve the recommendation of the Planning Committee. Mr. Watts moved. Mr. Pelly seconded the motion. Mr. VeHaun called for any discussion. Mr. Pelly stated this was brought to the MSD Board because the City of Asheville is facing an affordable housing crisis. The idea was that if MSD can reduce fees associated with creating ADU's, which the City will do on its Water Tap Fees, this will reduce the cost of construction and allows owners to offer lower rents. With no further discussion, voice vote in favor of the motion was unanimous.

8. Consolidated Motion Agenda:

a. Consideration of Bids – Hillard Avenue @ Aston Park Sewer Replacement Project:

Mr. Hartye reported this project is to replace an old 8" clay line and a pump station at the end of Ann Street just above the tennis courts at Aston Park. The project is comprised of 2,688 LF of 8-inch DIP. The contract was advertised and the following three bids were received on July 30, 2015: Thomas Construction Company with a total bid of \$892,483.25; Terry Brothers Construction Company with a total bid of \$626,180.00, and Buckeye Bridge, LLC with a total bid of \$542,732.50. The apparent low bidder is Buckeye Bridge, LLC. Mr. Hartye stated Buckeye Bridge has completed numerous MSD sewer replacement projects, and their work quality has been excellent to date. The FY15-16 Construction Budget for this project is \$696,000.00. Staff recommends award of this contract to Buckeye Bridge, LLC in the amount of \$542,732.50, subject to review and approval by District Counsel. Ms.

Manheimer asked if this line follows the proposed Clingman Forrest Greenway and if it is appropriate for the proposed construction on the corner of Hilliard and Clingman Avenues, just north of the Mountain Housing property. The City is looking to put this Parks & Rec facility out for affordable housing construction with multiple apartment units. Mr. Bradford said yes, and that MSD has provided data to City staff to incorporate this rehabilitation project into any plans the City may have.

b. Consideration of Bids–Influent Pump Station Rehabilitation - AFD Replacement Project:

Mr. Hartye reported the plant has three large pumps that lift all wastewater received at the plant up to the Grit and Grease Facility. The pumps are powered by large 400 hp motors, which in turn are controlled by Adjustable Frequency Drives (AFD's). The AFD's allow the pumps to ramp their speed up or down to match the incoming flow to the plant, which is more efficient than having pumps cycle on and off at full power. The AFD equipment purchase was approved at the November 19, 2014 Board Meeting. This equipment has been delivered and is now on-site in an environmentally controlled building. A competitively-bid installation contract was recently advertised and the following three bids were received on July 30, 2015: Haren Construction Co. with a total bid of \$652,000.00; M.B. Kahn Construction Co. with a total bid of \$587,780.00, and M.B. Haynes Corporation with a total bid of \$428,370.00. Mr. Hartye stated M.B. Haynes is an established local electrical contractor who has completed previous work at the plant, including the recent electrical upgrades project. The FY15-16 construction budget for this project is \$477,000.00. Staff recommends award of this contract to M.B. Haynes Corporation in the amount of \$428,370.00, subject to review and approval by District Counsel.

c. Consideration of Developer Constructed Sewer System – Town Mountain Preserve:

Mr. Hartye reported this project is located inside the District boundary off Wolfe Cove Road in Buncombe County. The project included extending approximately 10,610 linear feet of 8-inch public gravity sewer to serve the seventy-five (75) unit residential development. Staff recommends acceptance of the developer constructed sewer system. All MSD requirements have been met.

d. Consideration of Reimbursement Resolution for Bond Projects:

Mr. Powell reported to be in compliance with IRS regulations concerning tax-exempt financing, all expenditures made with non-MSD bond funds, and to be reimbursed from MSD bond funds, must be properly identified and authorized. The proposed Reimbursement Resolution identifies major projects intended to be solely or substantially financed by bonds anticipated to be issued in FY2018. Board approval is required to obtain the tax-exemption of interest paid on MSD bonds by authorizing reimbursement from bond proceeds of the expenditures for the attached project listing. Of the projects that are in the budget for this fiscal year, \$12.1 million dollars have been identified as projects that can meet the definition of what MSD would like to submit to the Local Government Commission for reimbursement for proposed debt issuance in 2018. Staff recommends approval of the Reimbursement Resolution.

e. Fourth Quarter Budget to Actual Review – FY2015:

Mr. Powell reported as follows:

- Domestic Revenue is above budgeted expectations as a result of a short-term revenue source which will end in FY2017. Industrial Revenue trended above budgeted expectation due to increased consumption from two industrial users.

- Facility and Tap Fees are above budgeted expectations. This is due to the District receiving \$1.5 million from seven developments at the end of the year as well as the conservative nature in which these funds are budgeted.
- Interest and miscellaneous income are below budgeted expectations. Short-term interest rates are still experiencing pressures due to the Federal Reserve monetary policy.
- O&M expenditures are at 94.09% of budget. This amount may vary slightly from audited numbers due to final accruals.
- Bond principal and interest are better than budgeted expectations due to the interest rate swap associated with Series 2008A revenue refunding bonds.
- Capital project expenditures are at approximately 85.45% of budget. CIP projects are continuing to receive favorable pricing. Additionally, staff moved some projects to FY2016 due to the fact MSD in-house and contracted sewer construction met its 400,000 foot goal for the last 8 year permit cycle.

f. Cash Commitment/Investment Report – Month Ended June 30, 2015:

Mr. Powell reported Page 39 presents the makeup of the District's Investment Portfolio. The makeup of the portfolio is substantially the same as compared to last month. Page 40 is the Investment Manager Report as of the month of June. The weighted average maturing of the investment portfolio is 352 days. The yield to maturity is 0.59% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 43 is the MSD Variable Debt Service Report for the month of July. The 2008A Series refunding bonds are performing better than budgeted expectations. As of the end of July, the issue has saved District rate payers \$4.0 million dollars in debt service.

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

9. Old Business:

None

10. New Business:

None

11. Adjournment:

With no further business, Mr. Vahaun called for adjournment at 2:24 pm.

Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 8/19/15

✓	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 July 15, 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	2:25	
	06. Report of Committees: a. Personnel Committee – Jackie Bryson – July 21st b. Planning Committee – Al Root – July 30th	VeHaun	2:40	
	07. Consolidated Motion Agenda		2:55	
	a. Consideration of Bids – Hilliard Avenue @ Aston Park Sewer Replacement Project.	Hartye		
	b. Consideration of Bids – Influent Pump Station Rehabilitation: AFD Replacement Project.	Hartye		
	c. Consideration of Developer Constructed Sewer System – Town Mountain Preserve.	Hartye		
	d. Consideration of Reimbursement Resolution for Bond Projects.	Powell		
	e. Fourth Quarter Budget to Actual Review– FY2015.	Powell		
	f. Cash Commitment/Investment Report – Month Ended June 30, 2015.	Powell		
	08. Old Business:	VeHaun	3:10	
	09. New Business:	VeHaun	3:15	
	10. Adjournment: (Next Meeting 9//16/15)	VeHaun	3:20	
	STATUS REPORTS			

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
JULY 15, 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, July 15, 2015. Chairman VeHaun presided with the following members present: Ashley, Bryson, Creighton, Kelly, Manheimer, Pelly, Root, Watts and Wisler. Mr. Belcher and Ms. Frost were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gregg Wiggins and Marcus Jones with Henderson County, Brian Thorsvold with HDR, Patty Beaver with CIBO, Forrest Westall with McGill Associates, P.E., and MSD Staff, Ed Bradford, Peter Weed, Scott Powell, Jim Hemphill, Ken Stines, Mike Stamey, Matthew Walter, Hunter Carson, Julie Willingham, and Sondra Honeycutt.

2. Election of Officers:

Mr. VeHaun called on Mr. Clarke to preside over the election of Chairman. Mr. Clarke called for nominations for Chairman of the MSD Board. Mr. Kelly nominated Mr. VeHaun as Chairman. Ms. Bryson seconded the nomination. Mr. Clarke called for further nominations. With no further nominations, Mr. Clarke called for a motion to close the nominations. Mr. Watts moved. Mr. Kelly seconded the motion. Voice vote in favor of the motion was unanimous. Mr. Clarke called for a vote on the election of Mr. VeHaun as Chairman of the MSD Board for 2015-2016. Voice vote in favor of Mr. VeHaun was unanimous.

Mr. VeHaun called for nominations for Vice Chairman of the MSD Board. Mr. Watts nominated Mr. Kelly as Vice Chairman. Mr. Pelly seconded the nomination. With no further nominations, Mr. Root moved the nominations be closed. Ms. Manheimer seconded the motion. Voice vote in favor of the motion was unanimous. Mr. VeHaun called for a vote on the election of Mr. Kelly as Vice Chairman of the Board for 2015-2016. Mr. Pelly moved. Ms. Wisler seconded the motion. Voice vote in favor of Mr. Kelly was unanimous.

Mr. VeHaun appointed Ms. Bryson as Secretary/Treasurer of the MSD Board for 2015-2016. Mr. Watts moved to approve the appointment of Ms. Bryson. Mr. Kelly seconded the motion. Voice vote in favor of the motion was unanimous.

3. Inquiry as to Conflict of Interest:

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

4. Approval of Minutes of the June 10, 2015 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the June 10, 2015 Board Meeting. With no changes, Mr. Ashley moved for approval of the minutes as presented. Mr. Watts seconded the motion. Voice vote in favor of the motion was unanimous.

5. Discussion and Adjustment of Agenda:

None

6. Informal Discussion and Public Comment:

Mr. VeHaun welcomed Mr. Wiggins and Mr. Jones with Henderson County, and Mr. Thorsvold with HDR. There was no public comment.

7. Report of General Manager:

Mr. Hartye presented a letter from the Western North Carolina Regional Air Quality Agency recognizing MSD for compliance with all the air quality rules and regulations for 2014. He expressed his congratulations and thanks to Plant Operations and Maintenance staff.

Mr. Hartye reported that Todd Short of 56 Grindstaff Drive called to praise James Beaver and Wayne Rice for “being cordial, professional and very thorough.”

Mr. Hartye presented an e-mail from Jeff and Leslie Treadway expressing appreciation for “what we know to be true about Roy Lytle. We are both grateful to have him as a part of the MSD family and sorry for his loss. Please keep Roy and his family in your thoughts and prayers.” Also, he asked the Board to keep the family of Herman Shelton in their prayers as well. He stated Herman was a retired employee of MSD after 34 years; was larger than life; was the man you would want to see out in the field on difficult jobs, and will be missed by all.

Mr. Hartye reported MSD received a call from Vicky Currence of 38 Woodcrest Road to express appreciation for Lloyd Anders and Jamie Foxx for “being very responsive to her request and to going above and beyond.”

Mr. Hartye reported the Personnel Committee will meet July 21st at 9 am. An updated Goals & Objectives, along with an Evaluation Form will be mailed prior to the meeting. An employee appreciation lunch will be held behind Plant Maintenance at 11:30 am July 23rd. The July ROW Committee Meeting is cancelled. The next ROW is scheduled for August 26th at 9 am. The Planning Committee will meet July 30th at 9 am to consider the Accessory Dwelling Units (ADU’s) and associated fees. Mr. Hartye asked the Board to let him know of any other policy issues that they would like to discuss or to be informed about. The next regular Board Meeting will be held August 19th at 2 pm. Mr. VeHaun encouraged Board Members to attend the employee appreciation luncheon.

8. Consolidated Motion Agenda:

a. Consideration of Bids – Melody Circle Sanitary Sewer Replacement Project:

Mr. Hartye reported the project is located in Swannanoa, near US70 and is the largest dig & replace project for FY15-16. The project is comprised of 4,583 LF of 8-inch DIP. The contract was advertised and the following bids were received on June 23, 2015: Buckeye Bridge, LLC with a total bid of \$1,465,086.70; Patton Construction with a total bid of \$1,283,660.00; Huntley Construction with a total bid of \$1,130,440.20; Thomas Construction Co., with a total bid of \$1,126,285.26, and Terry Brothers Construction Co., Inc. with a total bid of \$954,087.50. The apparent low bidder is Terry Brothers Construction Co. who has completed numerous MSD sewer replacement projects and their work quality has been excellent to date. The FY15-16 Construction Budget for this project is \$1,125,000.00. Staff recommends award of this contract to Terry Brothers Construction Co., Inc. in the amount of \$954,087.50, subject to review and approval by District Counsel.

b. Consideration of Design Contract – Plant Headworks Improvement Project:

Mr. Hartye reported the District’s recently completed Facility Plan Update provides recommendations for improvements at the treatment plant over a 20-year planning horizon. After extensive research of various options, the plan recommends near-term Headworks improvements that include a new grit removal process, fine screening system, and storage for peak flows (using existing decommissioned

digesters). The total estimated project cost is approximately \$7.5 million. In accordance with NCGS 143-64.31 the District advertised a Request for Qualifications for the design phase, and HDR responded to this advertisement. HDR was previously selected for the completion of the Facilities Plan Update after careful review and consideration of the capabilities, experience, and staffing of three major engineering consultants. Their performance and attention to detail was excellent on that project. Given their excellent performance on the previous project and their detailed knowledge of the Headworks process, staff believes that HDR is highly qualified for this first project. Mr. Hartye presented the Scope of Services developed by MSD and HDR, which gives the timeline and fees. After receiving an initial proposal for HDR's engineering design fee, staff negotiated a reduced fee in the amount of \$655,512.00. The FY15-16 design budget for the project is \$656,000.00. Staff recommends the District enter into an engineering design contract with HDR in the amount of \$655,512.00, subject to review and approval by District Counsel.

c. Consideration of Reimbursement Agreement – Reems Creek Master Plan Interceptor Phase 2:

Mr. Hartye reported this project is for the installation of a new sanitary sewer interceptor along Reems Creek. Windsor Built Homes, Inc. (Windsor) proposes to install the new 16-inch line in accordance with the District Collection System Master Plan. The interceptor will extend 712 linear feet upstream to serve a 22 acre tract owned by Windsor. The construction cost estimate for the 16-inch line is \$211,846, which Windsor will fund. Under MSD's Additional Capacity Reimbursement polity, a developer who is required to construct a larger line than is necessary for their own development is eligible for reimbursement of the increased construction cost, which is \$22,900.00. In addition, for new lines 12-inches and larger, which will serve upstream properties in the future; the District will design the line and acquire necessary rights-of-way. The design and rights of way for this project have already been completed by MSD. Staff recommends the District enter into a reimbursement agreement with Windsor Built Homes, Inc. in the amount of \$22,900.00, subject to review and approval by District Counsel.

d. Consideration of Developer Constructed Sewer Extensions: 51 Gash Farm Road; New Belgium Distribution Center, and Palisades of Asheville:

Mr. Hartye reported the 51 Gash Farm Road Sewer Extension project is located inside the District boundary off Gash Farm Road in the City of Asheville. The project included extending approximately 165 linear feet of 8-inch public gravity sewer to serve the four (4) unit residential development.

Mr. Hartye reported the New Belgium Distribution Center Sewer Extension project is located inside the District boundary off Jacob Holm Way in Buncombe County. The project included extending approximately 1,621 linear feet of 8-inch public gravity sewer to serve the commercial development.

Mr. Hartye reported the Palisades of Asheville Sewer Extension project is located inside the District boundary off Mills Gap Road in the City of Asheville. The project included extending approximately 1,424 linear feet of 8-inch public gravity sewer to serve the residential apartment complex.

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

e. Consideration of Procurement – Calcium Nitrate Solution for Odor and Hydrogen Sulfide Control Contract:

Mr. Hartye reported MSD has been using a calcium nitrate based solution for the

last few years to control hydrogen sulfide formation in the South French Broad Interceptor as well as the Weaverville Pump Stations. Pursuant to North Carolina Purchasing Statutes and MSD Procedures, bids were emailed to five (5) vendors and an advertisement was placed on the MSD web site. The following bids were received and opened on May 18, 2015: Southern Environmental Systems with a bid of \$2.06/gallon, and Evoqua with a bid of \$2.14/gallon. Southern Environmental Systems was the lowest bidder at \$2.06/gallon and agrees to hold their price firm for the total year contract irrespective of market changes. This is a Unit Price Contract without minimum of maximum quantities. Based on an estimated use of 90,000 gallons at \$2.06/gallon, the annual expenditure for Calcium Nitrate Solution is anticipated to be \$185,400 and is within levels budgeted by the WRF. Staff recommends award of the contract for the supply of Calcium Nitrate Solution to Southern Environmental Systems at a unit price of \$2.06/gallon.

f. Cash Commitment/Investment Report Month Ended May 31, 2015:

Mr. Powell reported Page 48 presents the makeup of the District's Investment Portfolio. The makeup of the portfolio is substantially the same as compared to last month. Page 49 is the MSD Investment Manager report as of the month of May. The weighted average maturity of the investment portfolio is 323 days. The yield to maturity is .53% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 50 is an analysis of the District's Cash Receipts. Monthly and YTD domestic & Industrial sewer revenue are considered reasonable based on timing of cash receipts in comparison to their respective fiscal periods. YTD Facility & Tap Fees are above historical trends due to the timing of 3 cash receipts from developers as well as fees being budgeted conservatively. Page 51 is an analysis of the District's Expenditures. Monthly and YTD O&M expenditures are considered reasonable based on historical trends. Due to the nature of the variable rate bond market, Monthly and YTD expenditures can vary year to year. Based on current variable interest rates, debt service expenditures are considered reasonable. Due to the nature and timing of capital projects, YTD expenditures can vary from year to year. Based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable. Page 52 is the MSD Variable Debt Service Report for the month of June. The 2008A Series refunding bonds is performing better than budgeted expectations. As of the end of June the issue has saved District rate payers \$3.9 million dollars in debt service since April 2008. Mr. Kelly asked when expenses and income are reconciled at the end of the fiscal year, and there is an overage, where does this money go. As an example, Mr. Powell stated that Impact Fees are typically above budget expectations, and this money goes back into unrestricted reserves. Excess monies will be used on future capital projects in the District's Capital Improvement Program. Mr. Kelly asked what happens if the District is short of revenues. Mr. Powell stated that Staff would come to the Board and request appropriation from reserves. Mr. Kelly requested a report be given next month on what the current surplus is.

As an item of note, Mr. Powell reported that staff will be going out for RFP for Auditing Services for FY2016, and encouraged input from the Board on this process.

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

9. Old Business:

Mr. Clarke reported to date there is no news from the Court of Appeals.

10. New Business:

Mr. Clarke reported that he and Mr. Powell had a conversation with MSD's new Bond Counsel, Kevin Daugherty and Bob Kapland of McGuire Woods, who said they looked forward to working with MSD and thanked the Board for their confidence in them.

11. Adjournment:

With no further business, Mr. Root moved for adjournment at 2:26 pm. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

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

- NACWA Excellence in Management Recognition

Attached is a letter from the National Association of Clean Water Agencies (NACWA) honoring MSD with the Excellence in Management Gold Recognition. This is a significant recognition for the entire organization from the Board on down. This recognizes MSD accomplishments and ongoing efforts such as detailed 10 year CIP implementation, Plant permit compliance with both air and water permit requirements, 10 year detail business plan/financial model, Pipe Rating Program, and strong Pretreatment Program, excellent customer response and thorough emergency preparedness. Thanks to all employees for their effort and the Board supporting those efforts. Special thanks to Ed Bradford for putting together the information on all such efforts into a combined submittal.

- Article in Clean Cities regarding MSD Biodiesel Program

Attached is an article in the Clean Cities Now (US Dept. of Energy national publication) regarding the use of biodiesel and featuring MSD's program. MSD's seminal biodiesel program has become a great success and has provided momentum for others around the country. Many thanks to Peter Weed and Neil Hall who have spearheaded this effort through the years.

- Kudos

- Received a call from Bob Gun of Pleasant Dr. in Black Mountain expressing how impressed he was with the MSD operation and the crews working on the job. Thanks to the MSD in-house construction crews.

- Board/Committee Meetings/Events

The August ROW Committee Meeting is cancelled. The next ROW is scheduled for September 23rd at 9am. The Next Regular Board Meeting will be held September 16th at 2 pm.

EXECUTIVE COMMITTEE

PRESIDENT

Karen L. Pallansch
Chief Executive Officer
Alexandria Renew Enterprises
Alexandria, VA

VICE PRESIDENT

Adel H. Hagekhalil
Assistant Director
Bureau of Sanitation
City of Los Angeles
Los Angeles, CA

TREASURER

Raymond J. Marshall
Executive Director
Narragansett Bay Commission
Providence, RI

SECRETARY

Cathy Gerali
District Manager
Metro Wastewater
Reclamation District
Denver, CO

PAST PRESIDENT

Julius Ciaccia, Jr.
Executive Director
Northeast Ohio Regional
Sewer District
Cleveland, OH

EXECUTIVE DIRECTOR

Ken Kirk

June 9, 2015

Thomas Hartye
General Manager
Metropolitan Sewerage District of Buncombe County
2028 Riverside Dr.
Ashewille, NC 28804-3054

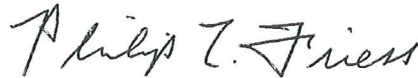
Dear Tom:

Congratulations! On behalf of the National Association of Clean Water Agencies (NACWA), I am pleased to inform you that the Metropolitan Sewerage District of Buncombe County has been selected to receive an *Excellence in Management Gold Recognition*. This honor celebrates your utility's commitment to sustainable, successful programs that exemplify the attributes of an effectively managed utility.

As an *Excellence in Management* honoree, your utility will be recognized during an evening Awards Ceremony on July 14, 2015 at 5:00 pm in the *Waterplace Ballroom* at the Omni Providence Hotel which will be held in conjunction with NACWA's Utility Leadership Conference & 45th Anniversary Annual Meeting, in Providence, Rhode Island. Additional information regarding the ceremony is enclosed along with a response form confirming your attendance.

We look forward to recognizing your utility for your dedication to excellence in utility management. Again, congratulations on this prestigious honor.

Sincerely,



Philip L. Friess
Chair, NACWA Award Committee
Department Head, Technical Services
Sanitation Districts of Los Angeles County, CA

CC: Ed Bradford, Director of Engineering

CERTIFICATE OF RECOGNITION



EXCELLENCE IN
Management
PROGRAM

GOLD

The National Association of Clean Water Agencies
is pleased to present this honor to

**Metropolitan Sewerage District of
Buncombe County, NC**

in recognition of their commitment to excellence in utility management
through the implementation of sustainable, successful programs that exemplify
the attributes of an effectively managed utility.

NACWA Executive Director

July 14, 2015

Date

NACWA Awards Committee Chair

2015 – 2018

Honor Valid

Clean Cities Now

Biodiesel Scores Big with Fleets Nationwide



Inside:

Bakery Turns to Propane for Sustainable Transportation Solution

California Coordinator Educates Dealers about Plugging in to PEVs

Coalitions Step Up to Manage Air Quality Funds for Fleets

Maintaining Focus on Niche Market Fleets



Feature



Move Over, Petroleum Diesel: Biodiesel Offers an Easy Alternative for Fleets

Fleets from every corner of the country are busting commonly held myths about biodiesel. They're discovering first-hand that the fuel is an easy-to-implement, renewable, and economically viable alternative to conventional diesel that can yield almost immediate results.

Biodiesel is produced from soybean oil, animal fats, or recycled restaurant grease. The fuel can offer significant emissions reductions and is helping the United States achieve its energy independence goals. Perhaps the most attractive advantage for fleets, however, is the scalability of biodiesel blend levels and low barriers to adoption.

With assistance from their local Clean Cities coalitions, fleets like American University in Washington, DC, and the Metropolitan Sewerage District (MSD) of Buncombe County in Asheville, North Carolina, are seeing the benefits of biodiesel in a variety of applications.

American University Shuttles with Biodiesel

When American University made the decision to incorporate an alternative fuel into its shuttle bus fleet in 2011, it was looking for a fuel that would reduce emissions, but also allow for an easy transition. Driven by the

university wide goal to become carbon neutral, the Facilities Management Office's Operation and Maintenance Department evaluated various fuel and technology options, but quickly settled on a B20 blend.

Fast-forward to today, and the fleet's 10 large transit-style shuttle buses are using approximately 50,000 gallons of biodiesel a year, resulting in substantial petroleum reductions and cost savings. The University has also purchased a mobile fueling station, which ensured the availability of affordable, high-quality biodiesel without the inconvenience of fueling the vehicles off-site.

"Biodiesel has made great contributions to the overall sustainability program of our university," said Alef Worku, Shuttle Operations & Maintenance Manager. "We are excited to share our experience with others."

According to Worku, gaining support from the university administration, management, vehicle maintenance staff,

drivers, and students has been critical to ensuring a smooth transition to the new fuel. The fleet also worked closely with permitting authorities, the Greater Washington Region Clean Cities Coalition (GWRCCC), and a local fuel provider to guarantee success.

As a stakeholder with GWRCCC since 2010, American University included the coalition from the beginning. The coalition helped connect the fleet with relevant stakeholders and information, which made the implementation easier.

"Ron Flowers [Clean Cities Coordinator at GWRCCC] has been instrumental in our success. He worked to bring us together with other fleets in the area, including universities and municipalities. The networking and information sharing have been invaluable," Worku said.

Worku maintained that early collaboration with local regulatory agencies and authorities was also important, particularly because



the university chose to implement a relatively unique mobile trailer to fuel their shuttle buses.

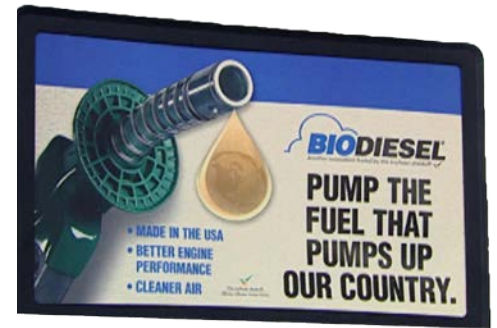
“Making the switch to biodiesel was much easier than we thought it would be, and there was ample informational assistance available,” he said. “By pursuing the idea and bringing the right people to the table, including the community, we achieved what we originally thought was impossible.”

The project was entirely funded by the University, and quick return on investment was key. The mobile fueling station was the only upfront cost, but Worku says the resulting time efficiencies and cost savings are helping pay back this investment. Before the mobile fueling station, the University found that fueling the shuttles at local stations resulted in 25 to 30 minutes of lost productivity per vehicle, three times per week. Now, the mobile unit allows for fueling right on campus. American University also contracted with another GWRCC stakeholder, Tri-Gas Oil, which allows them to buy biodiesel in bulk, versus retail petroleum diesel. This has translated into an overall price-per-gallon savings—allowing the fleet to save more than \$14,000 annually in productivity gains and fuel costs.

“We decided to switch to biodiesel because it is good for the environment and relatively easy to implement, but the productivity and cost savings have been icing on the cake,” Worku said.

American University capitalized on lessons learned in their fleet and from others in their area to ensure success. Although there are many examples of fleets successfully using B20 in cold climates, the fleet opted to reduce its biodiesel blend to B5 from November to April. Tri-Gas Oil’s involvement with the BQ-9000 program (see box on page 8) was also key, as other local fleets had advised the University to emphasize fuel quality. As a result, after testing the biodiesel on their own vehicles, Worku and his team began changing fuel filters (on both vehicles and fueling dispensers) more frequently. By taking advantage of these lessons learned, the fleet has had no recent issues with vehicle performance.

“The great thing about converting to biodiesel is that we didn’t have



to modify the bus engines, and the ongoing maintenance has been hassle-free,” he said.

Metropolitan Sewerage District Demonstrates Long-Term Success

American University is not the only fleet sharing its successes with biodiesel. After more than a decade of biodiesel use, Metropolitan Sewerage District (MSD) has become a valuable resource to Land of Sky Clean Vehicles Coalition (LSVC) and area fleets interested in using the fuel. While MSD originally switched its fleet to biodiesel in 2003 for the environmental advantages, the District has since benefited from low costs, both up front and through fuel price savings in some years. The wastewater treatment agency—a non-profit, publicly owned utility serving 52,000 customers—runs all of its 81 diesel vehicles on B20. This includes 70 pick-up, dump, and sewer vacuum trucks, as well as 11 pieces of off-road equipment. MSD currently uses more than 70,000 gallons of biodiesel per year, reducing its greenhouse gas emissions by more than 700 tons from 2010 through 2013 alone.

“This was the perfect opportunity to move to something cleaner for the environment, and the results have exceeded

See Biodiesel on p.9 >

Photo left page (top): American University started transitioning its shuttle bus fleet to biodiesel in 2011 and today uses 10 large transit-style buses. *Photo from American University, NREL 33388*

Photos right page (above from left): The fleet bay for Metropolitan Sewerage District’s biodiesel-fueled trucks in Asheville, North Carolina. *Photo from Metropolitan Sewerage District, NREL 33396*; Biodiesel can be found at more than 250 fueling stations throughout the country. *Photo from MotorWeek/Maryland Public TV, NREL 17183*

certification. Currently, biodiesel blends of B20 or above are available at an estimated 300 retail locations nationwide, many of which will be able to benefit from this expanded program. BQ-9000 retail locations will be more appealing to customers looking for assurance that they are purchasing high-quality fuel.

“The BQ-9000 Retailer Program will now help to ensure fuel quality throughout the entire supply chain, down to the final consumer,” said NBB’s Scott Fenwick.

A Blend for All Seasons

Even in cold weather and high altitudes, biodiesel blends can be a viable alternative. The blend level can be altered seasonally to ensure the best performance year-round. In winter, biodiesel blends of up to B20 can be treated the way No. 2 diesel is—by using some No. 1 diesel in the blend to prevent gelling.

“Biodiesel that meets ASTM standards continues to perform well in very cold temperatures in blends up to 20%,” said Fenwick. “This winter, we did not see any more cold weather operability issues with biodiesel than we did with diesel alone—in fact, we saw fewer.”

“That said, fleets should work with their fuel supplier to be sure the gel point, blend level, and additives are appropriate for the conditions.”

Biodiesel is also making inroads in other industries, and the evolution of ASTM standards is facilitating this growth. For example, ASTM voted to approve performance specifications (D396) for blends of 6% to 20% biodiesel with traditional heating oil. Also, the industry is overcoming a major barrier in the distribution of biodiesel blends via pipeline, thanks to revisions to ASTM D1655, an aviation turbine fuel standard. Increasing the trace amount of biodiesel that can be safely allowed in jet fuel, which is commonly transported by pipeline, opens the door to shipping biodiesel blends via the same U.S. pipelines that carry jet fuel. This will streamline the distribution process.

> Biodiesel, from p. 7

our expectations,” said Neil Hall, MSD’s Fleet Manager. “The fuel is clean and produced locally, the vehicles continue to perform well after the transition, and we are able to give back by sharing our experiences with others.”

Among the chief reasons MSD chose B20 was for its versatility, but especially because the blend can be used in most vehicles (see box beginning on p.8). Like American University, the fleet transitions to a lower blend (B10) during the colder months of November through February. MSD is also working with a BQ-9000 producer, Blue Ridge Biofuel, which uses recycled cooking oil as a feedstock for its fuel. According to LSVC, in some years biodiesel has been sold in bulk to fleets in the region at an average \$0.05 per gallon discount over diesel fuel. In 2012 alone, this translated to more than \$3,500 in savings for MSD.

Biodiesel implementation has been a bottom-up effort at MSD; the staff made the case to upper management, and the Board of Directors approved the decision in 2003. The general manager keeps the Board up to date on the fuel’s use, and the fleet manager ensures that mechanics are familiar with biodiesel maintenance procedures.

For instance, MSD found that when an older vehicle first transitions from diesel to B20, the fuel filters need to

be changed within the first six months until the biodiesel cleans out the vehicle’s fuel system. Some newer vehicles, however, require no additional filter changes. Otherwise, maintenance staff and drivers have not seen a noticeable change in performance. The fleet’s on-site fuel tanks required an initial inspection but, because they were less than four years old, did not require cleaning before biodiesel was introduced.

“Everyone is always looking for a shoe to drop, but it has been a mostly pain-free experience,” said Peter Weed, Director of Wastewater Treatment & Maintenance.

Weed added that MSD is committed to sharing its success with others. In the most simple way, MSD communicated this by donning all its biodiesel vehicles with a sticker that states, “This vehicle runs on biodiesel.” Also, as a charter stakeholder, fleet representatives often speak at LSVC events and are on-hand to answer questions from fleets interested in switching to biodiesel.

For example, MSD assisted the City of Asheville in its decision to fuel vehicles with B5 in 2007, and eventually B20 in 2014, providing valuable advice about how to ensure fuel quality.

“MSD has always been very helpful,” said Chris Dobbins, Fleet Services Consultant with LSVC. “They have consistently been a great resource.”

The feeling is mutual: “The Land of Sky Clean Vehicles Coalition team is excellent,” Weed said. “They are always available to us and supportive of our work.” ■



Above: American University now owns its own mobile biodiesel fueling station, which has saved time and money for the fleet. *Photo from Greater Washington Region Clean Cities Coalition, NREL 33389*

PERSONNEL COMMITTEE MEETING

July 21, 2015

9:00 a.m.

1. Call to Order

Madam Chairman Bryson called the meeting to order at 9:00 am in the W.H. Mull Building of the Metropolitan Sewerage District. In attendance, were the following members: Allan Root, Jon Creighton, and Robert Watts. Also present were Jerry VeHaun, Billy Clarke, Tom Hartye, Jim Hemphill, and Pam Thomas.

2. Inquiry as to Conflict of Interest

Mr. Stanley stated there was none at this time.

3. General Manager's Evaluation

Mr. Hartye reviewed short-term goals and milestones:

- *Update Treatment Plant Facilities Plan.* The Facilities Plan has been completed and lays out necessary operational improvements, modifications and capital upgrades for the next 20 years. This is necessary to meet both future and regulatory demands. We have already incorporated the first year project out of the CIP which is "Headworks" at the front of the plant to improve the treatment of previous processes that didn't go as planned. An example of this are: we do have Microscreen's that were put in as a research project and never really worked, innovative project using decommissioned digesters for equalization storage for rain events. Also a fine screen ability, which will position us for the replacements of the RBC's. Nutrient removal will need screening beyond what we currently have. We have already done the influent pump station and replaced two out of three pumps with future sized impeller and get a third within the next year and also upgrading of the electronics. The project will be designed in this coming fiscal year and constructed in the following 2 fiscal years.
- *Design and Begin Construction of Air Emissions Facility Improvements.* We are getting ready for the new air emissions requirement, rehabbing our venturi, heat exchangers, and our air emissions system. We are in construction phase, and hope to be done by February, 2016. MSD was successful in conducting a Pilot Test for a new membrane technology which stands to save the District over \$4 million by foregoing the use of the current conventional technology. This membrane technology will also make it possible for the District to forego the use of sodium hydroxide treatment which has inherent safety issues. Sodium Hydroxide is often used in other plants and is very dangerous and highly reactive. The project will involve digging up large areas and re-pouring concrete for foundations.
- *Keep within FY 15 operating budget.* Expenditures are expected to be approximately 5% under budget. Mr. Kelly asked at the last Board meeting what happens if we go over budget? Mr. Hartye stated it has not happened since he has been with the District, but if it were to happen we would go back to the Board for a budget amendment. Mr. Root asked if we have reserve funds? Mr. Hartye said reserve funds are available but to access those we still have to come

back to the Board. We have our 6% Capital Reserve Fund pursuant to our Board order and other reserves such as Treatment Plant & Fleet Department Funds as well as our Insurance Reserves.

- *Replace or rehab 400,000 LF of sewer main over 8 years.* The District met the 400,000 feet of sewer lines with approximately 160,000 feet constructed by in-house construction crews in the last 8 years. This proved to be cost efficient in laying lines and developing and having an emergency repair crew available, instead of using a Contractor.
- *Preventative Maintenance of >500,000 LF of sewers:* Performed 900,875 feet of sewer mains.
- *Replacement of RBC's.* Moved up the replacement of RBC's that were identified later on in the 10 year CIP, and kept within this year's budget. We were able to purchase "used" RBC's which saved money and time.
- *Meet environmental permit regulations for FY15.* MSD has met all permit requirements for FY15.
- *Update Financial Forecast and parity plan and assist Board in understanding assumptions, inputs and impacts.* Kept rate increases the same even while increasing the 10 year CIP budget from \$160 million to \$200 million which includes these planned projects.
- *Partnerships.* New project on the list which is Buncombe County Schools & Eblen for Teacher Campus Project.
- *Also received the Excellence in Management Gold Recognition from NACWA.*

Mr. Watts asked about Cane Creek, which has not been discussed in a while. Mr. Hartye stated we are waiting to hear back from the lawsuit. If that goes away then we are back to where we were. Cane Creek would have to come to Board and ask to be brought into the District. Management and Staff think it makes sense in long run and feels it will probably happen. The Henderson County Commissioners wanted more representation on the Board. The District is preparing Cane Creek to come eventually. Our GIS staff is helping them bring their program up to the same standards that we have.

Mr. Watts stated that under long term goals, do we still have to provide secure electrical supplies for the plant, he wondered if that was done. Mr. Hartye stated yes it is mostly finished, but still working on the ArcFlash study which defines the power ratings of the cabinets. We were waiting to do the study after all improvements were done.

Mr. Hemphill presented handouts showing Mr. Hartye's salary history and various salary comparisons to other Cities and Municipalities. He also presented information that was received from evaluations. Mr. Watts stated that the Board appreciates what Mr. Hartye does and that he is surrounded with great staff. Also that turnover is minimal.

Mr. Root moved to go into closed session to talk about Mr. Hartye's evaluation. Mr. Watts seconded that motion.

Closed session began at 9:20 a.m.

Closed session ended at 9:29 a.m.

Recommendation:

Mr. Root moved that the Personnel Committee recommends to the Board to increase Mr. Hartye's salary to \$180,000 effective July 1, 2015. Mr. Watts seconded the motion. Voice vote in favor of the motion was unanimous.

4. Adjourn

With no further business, the meeting was adjourned at 9:32 a.m. No future meeting has been scheduled.

PLANNING COMMITTEE
July 30, 2015

Chairman

Al Root

Members

Joe Belcher
Jon Creighton
Esther Manheimer
Chris Pelly
Bob Watts

The Planning Committee of the Metropolitan Sewerage District met Thursday, July 30, 2015 in the Boardroom of the Administration Building. Chairman Al Root presided with the following Members present: Joe Belcher, Jon Creighton, Esther Manheimer, Chris Pelly and Bob Watts. Others present were: Jerry VeHaun, Gwen Wisler, Forrest Westall with McGill Associates, P.E., Tom Hartye, General Manager, Rebecca Reinhardt with Roberts & Stevens, and MSD Staff, Ed Bradford, Ken Stines, Kevin Johnson, and Sondra Honeycutt.

1. Call to Order:

Mr. Root called the meeting to order at 9:00 am. He called on Mr. Hartye for a presentation on MSD's Policy regarding Accessory Dwelling Units (ADU's).

Mr. Hartye presented a chart showing MSD's FY2016 Rates, Fees and Charges effective July 1, 2015 along with maps of MSD treatment and collection system and a diagram of how sewer service is provided to a single-family residence. He stated there are two (2) main fees when a new residential unit wants to tie into the public sewer system, a Sewer Facility Fee and a Sewer Connection Fee. The Sewer Facility Fee is for allotted capacity in the treatment and collection system that were built ahead of the growth. The amount of the fee is based upon water meter size, which is typical for the vast majority of utilities. Some utilities actually differentiate down to fixture counts and bedrooms. The Sewer Connection Fee is for the actual cost of physically tapping the sewer main and running a single connection back into the property to tie into the house plumbing. This is typically \$650 unless pavement is involved then it increases by \$2,200.

Mr. Hartye then presented an image showing Accessory Dwelling Unit (ADU) types (attached and detached). Currently MSD charges a Facility Fee for both of these types of ADU's if they involve a kitchenette. This has been more of a qualitative criterion than a quantitative one, since the kitchenette uses a fairly low amount of water compared to other facilities i.e. laundry, toilets and showers.

MSD proposes waiving this fee for the "attached" residential addition unit. Mr. Hartye explained that he believes this recommendation will actually make MSD's current policy more equitable. The typical 5/8" meter can serve anything from a two-bedroom

home; a trailer or a large home with up to a 5-6 bedrooms (larger homes that have irrigation and pools, will likely require a meter size of 3/4" or 1"). Currently, if the owner of a 2-bedroom home decided to add a couple of bedrooms and an kitchenette to their existing home, they would be required to pay an additional \$2,500 facility fee, as opposed to someone who originally came in with a 5-bedroom home and a second kitchenette. Mr. Hartye added that there is also something to be said regarding "overreach" and allowing homeowners to make improvements and expansions in their home without our review, if the meter size is to remain the same.

MSD will continue to collect the fee for the "detached" unit. However, as is current policy, if the "detached" unit meets the affordable housing criteria there will be a rebate of over 70% from \$2500 down to \$650.

The Sewer Connection Fee will not be required if either of these units can tie into the existing private plumbing. If a new connection is required because of grade elevation issues then the sewer connection fee will be necessary.

MSD leaves it to the member agencies to specify if a certain residential unit is deemed "affordable." Currently, Buncombe County and the City of Asheville determine the criteria for affordable housing and affordable rentals. Ms. Manheimer stated that these are based upon federal criteria and asked for clarification on the current cost of a detached ADU, where a separate tap is required. Mr. Hartye said \$2,500. If it's for affordable housing the cost is reduced down to \$650. Ms. Manheimer asked about the cost of a connection fee. Mr. Bradford said it depends on whether pavement has to be disturbed. Ms. Manheimer asked if this is regardless of whether it's new construction or retrofitting a new building to make it habitable. Mr. Hartye said yes.

Chairman Root called on Mr. Pelly for an update on what led him to bring this to the Planning Committee. Mr. Pelly stated if someone wants to build in Asheville the cost is about \$5,000 between sewer and water tap fees. If the goal of the policy is to create more affordable housing that one of the ways we can impact this is fees associated with development. Therefore, if you reduce the cost of building, then theoretically the owners can reduce the rents; creating more affordable housing for the community. With regard to ADU's, we are setting a limit on the size that they can be. Currently, the limit has gone from 600 square ft. to 900 square ft. depending on the size of the primary residence, and will likely be affordable housing. Ms. Manheimer stated one thing that is happening nationally, in cities like Asheville is that there are occupancy pressures from not enough available housing. The current affordable housing policy is triggered by the City's definition which follows the Federal definition for example a tax credit financed Mountain Opportunity Development. When the City did its Accessory Dwelling tweak, they looked at similar cities that have the same housing pressures. They recently did a housing study and found there are no available units in anything other than the market

rate and that there is less than 1% available. What they are seeing in places like Boulder, Portland, or Duluth, is they have tweaked their ADU ordinances to make it easier for people to build garage apartments; allowing more rental housing to be available on the market. The other thing about Asheville is about 50% of its housing is rental, which is high compared to other cities across the State. Ms. Wisler stated we need to tell people to be proactively determining whether their detached unit is affordable or not. Ms. Manheimer said we usually only administer that test when making funding allocations. Mr. Hartye stated beside Mountain Housing Opportunities, there are other developers that have gotten the rebate. Mr. Johnson stated they do tell developers up front when they apply for the affordable housing rebate. Mr. Hartye stated MSD would continue to go through this same process for the detached unit. Ms. Manheimer stated the City will be reviewing the water fee in the same way. Mr. Hartye stated we will have to do what makes sense for MSD. Ms. Wisler asked if there is only one meter will they have to pay the sewer connection fee. Mr. Hartye said not necessarily. Mr. Watts asked what it cost in facility fees for an addition (bedroom & bath) to a standard house. Mr. Johnson said there is no cost. Mr. Watts asked why we cannot consider an attached unit an addition. Mr. Hartye stated if there is a kitchen or kitchenette included there is a charge for the attached and detached unit. Mr. Watts asked how that is determined. Mr. Johnson stated that currently if it includes a kitchen it's treated as a residential unit and is charged \$2,500. Ms. Manheimer said this all has to do with the building code because as soon as you create a separate residential unit in your dwelling with a kitchen, you will have to meet all the building code requirements for this type of unit. She stated this is the challenge the City is having with sort term rentals. Mr. Hartye stated this trigger means very little as far as water usage; it's really a qualitative not a quantitative type of thing since not a lot of water is used in the kitchen. Instead, it triggers the City's process of which the MSD is a part of, but particularly for attached units, there is little impact on flow. Ms. Manheimer asked if she is correct in saying that unless it's affordable, there is still a \$2,500 charge. Mr. Hartye stated this facility fee charge is for detached units only. Which is how they are handled now. The attached units would not be charged going forward. Mr. Watts asked if MSD eliminates the facility fee on "additions," this would be the same as talking ADU's. He explained that what he is trying to do is not force every municipality to re-write their definition of an ADU and achieve the same thing. Therefore, if MSD eliminated the fee on additions to a house, we are achieving the same thing, and do not force anybody else to change anything in their ordinance. Mr. Hartye said yes for just the "attached additions." We will not consider them separate modified units that we would charge a facility fee. Mr. Watts stated by doing this, we would achieve the same objective with less paper work. Mr. Belcher stated he wants to make sure the new policy will not increase cost to the ratepayer. Mr. Hartye responded that anything that promotes infill actually eases the burden on existing customers because there is no new infrastructure for MSD to maintain yet there will be more monthly flow revenue from the new renters.

Mr. Watts moved the District eliminate the facility fee for “attached additions” to single family housing. Mr. Pelly seconded the motion. With no discussion, voice vote in favor of the motion was unanimous.

2. New Business:

Mr. Hartye stated that staff may be coming back to the Planning Committee in the coming months to address Master Plan elements; MSD’s participation in Master Plan lines and how it can facilitate organized development of the sewer.

3. Adjournment:

With no further business, Mr. Root called for adjournment at 9:29 am.

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

BOARD MEETING DATE: August 19, 2015

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

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Shaun Armistead, P.E. - Project Manager

SUBJECT: Hilliard Avenue @ Aston Park Sanitary Sewer Replacement Project:
Consideration of Bids, MSD Project No. 2009115

BACKGROUND: This project is located near downtown Asheville, at Aston Park. The eight-inch clay line serving this area is too deep to adequately perform maintenance, and is also exposed within the creek channel.

Another important aspect of this project is that it will eliminate MSD's Aston Park Pump Station. There is a gravity-sewer route, which over the long term will eliminate the risk and cost associated with maintaining this pump station. The equipment from this station will be re-used at another MSD pump station, which utilizes similar equipment.

The project is comprised of 2,688 LF of 8-inch DIP.

The contract was advertised and three bids were received on July 30, 2015 as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Thomas Const. Co.	\$892,483.25
2) Terry Brothers Const. Co.	\$626,180.00
3) Buckeye Bridge, LLC	\$542,732.50

The apparent low bidder is Buckeye Bridge, LLC with a bid amount of \$542,732.50. Buckeye Bridge has completed numerous MSD sewer replacement projects, and their work quality has been excellent to date.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY15-16 Construction Budget for this project is \$696,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to Buckeye Bridge, LLC in the amount of \$542,732.50, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

Hilliard Avenue @ Aston Park Sewer Replacement
Project No. 2009115

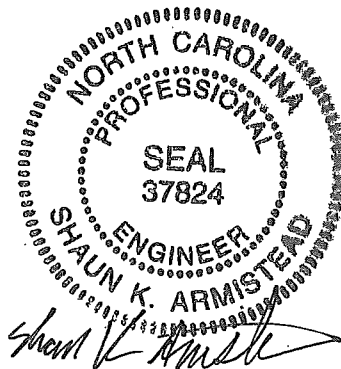
BID TABULATION
July 30, 2015

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	Total Bid Amount
Thomas Construction Company Johnson City, TN	5%	1	Yes	(*) \$892,483.25
Terry Brothers Construction Co. Leicester, NC	5%	1	Yes	\$626,180.00
Buckeye Bridge, LLC Canton, NC	5%	1	Yes	\$542,732.50

APPARENT LOW BIDDER

(*) Indicates correction in Contractor's bid amounts.

Shaun Armistead, 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 30th day of July, 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.

Interoffice Memorandum

TO: Ed Bradford, Engineering Manager
FROM: Shaun Armistead, Project Manager
DATE: August 3, 2015
RE: Hilliard Ave @ Aston Park Sewer Replacement, Project No. 2009115

The Hilliard Ave @ Aston Park Sewer Replacement is located in downtown Asheville, running from Hilliard Ave, near Aston Park, south to the Clingman Avenue Extension. This project will consist of installation of 2,688 linear feet of 8" ductile iron pipe to replace existing 8" clay pipe, as well as eliminating the District's Aston Park Pump Station on South Ann Street.

The existing pipe is currently visible in the creek bed along the valley floor, and is too deep to adequately maintain at the northern end of the project, near Hilliard Avenue. The Aston Park Pump Station will be abandoned, and equipment recovered for use at the District's other pump stations.

Three bids were received on Thursday, July 30, as follows:

<u>Contractor</u>	<u>Bid</u>
1) Thomas Construction Company	\$892,483.25
2) Terry Brothers Construction Company	\$626,180.00
3) Buckeye Bridge, LLC	\$542,732.50

The construction budget for this project is \$696,000.00.

Buckeye Bridge, LLC is the apparent low bidder for this contract with a bid amount of \$542,732.50. They have completed numerous projects for the District over the years, with satisfactory results.

Staff recommends award of this contract to Buckeye Bridge, LLC, contingent upon review and approval by District counsel.

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

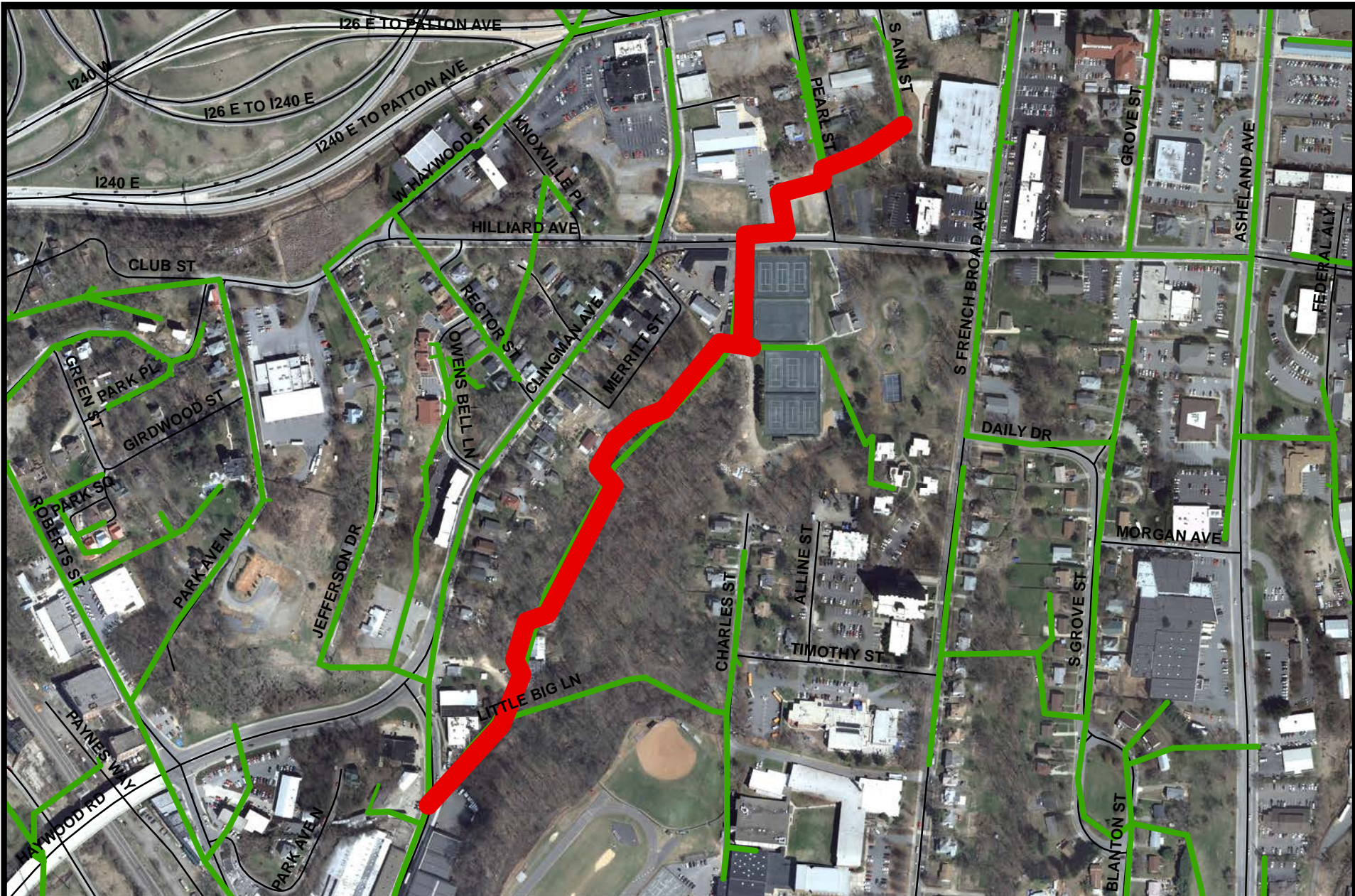
BUDGET DATA SHEET - FY 2015 - 2016

PROJECT: Hilliard Ave. @ Aston Park	LOCATION: Asheville
TYPE: General Sewer Rehab.	PIPE RATING: 5
PROJECT NO. 2009115	TOTAL LF: 2670
PROJECT BUDGET: \$809,850.00	PROJECT ORIGIN: Line condition; Elimination of Pump Station

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/14	EST. COST JAN - JUNE 2015	BUDGET FY 15-16
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$18,750.00	\$18,750.00		
55330 - DESIGN				
55340 - PERMITS	\$1,000.00		\$1,000.00	
55350 - SPECIAL STUDIES	\$1,000.00		\$1,000.00	
55360 - EASEMENT PLATS	\$8,600.00	\$8,580.00	\$20.00	
55370 - LEGAL FEES	\$9,000.00	\$7,365.00	\$1,635.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$60,000.00	\$25,471.00	\$20,000.00	\$14,500.00
55400 - APPRAISAL	\$3,000.00		\$3,000.00	
55410 - CONDEMNATION	\$7,500.00		\$2,500.00	\$5,000.00
55420 - CONSTRUCTION	\$696,000.00			\$696,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$2,500.00			\$2,500.00
55450 - SURVEY - ASBUILT	\$2,500.00			\$2,500.00
TOTAL AMOUNT	\$809,850.00	\$60,166.00	\$29,155.00	\$720,500.00

ENGINEER: MSD	SA	ESTIMATED BUDGETS - FY '16 -'25	
R.O.W. ACQUISITION: MSD	# PLATS: [10]	FY 16-17	\$0.00
CONTRACTOR:		FY 17-18	\$0.00
CONSTRUCTION ADM: MSD		FY 18-19	\$0.00
INSPECTION: MSD		FY 19-20	\$0.00
		FY 20-21	\$0.00
		FY 21-22	\$0.00
PROJECT DESCRIPTION: This project is located in downtown Asheville near Aston Park. It is comprised of 2,670 LF of 8-inch ductile iron pipe. It will eliminate a small pump station, relocate sewer pipe out of the creek, and will give better maintenance access for System Services crews.		FY 22-23	\$0.00
		FY 23-24	\$0.00
		FY 24-25	\$0.00

SPECIAL PROJECT NOTES: Aston Park Pump Station will be eliminated as a part of this project.



**Hillard Avenue at Aston Park
Project No. 2009115**

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: August 19, 2015

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

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

SUBJECT: Influent Pump Station - Consideration of Bids: Adjustable Frequency Drive Replacement, MSD Project No. 2012030

BACKGROUND: The plant has three large pumps that lift all wastewater received at the plant up to the Grit and Grease Facility. These pumps are powered by large 400 Hp motors, which in turn are controlled by Adjustable Frequency Drives (AFD's).

The AFD's allow the pumps to ramp their speed up or down to match the incoming flow to the plant. This is more efficient than having pumps which cycle on and off at full power. In smaller pump stations, pumps are typically run in either full-on or full-off mode, and cycled accordingly.

The AFD equipment purchase was approved at the November 19, 2014 board meeting. This equipment has been delivered and is now on-site at the plant. A competitively-bid installation contract was recently advertised, and three bids were received on July 30, 2015 as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Haren Construction Co.	\$652,000.00
2) M.B. Kahn Construction Co.	\$587,780.00
3) M.B. Haynes Corp.	\$428,370.00

M.B. Haynes is an established local electrical contractor. They have completed previous work at the plant, including the recent electrical upgrades project. Their work performance has been excellent to date.

Please refer to the attached documentation for further information.

FISCAL IMPACT: The FY15-16 construction budget for this project is \$477,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to M.B. Haynes Corporation in the amount of \$428,370.00, subject to review and approval by District Counsel.

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

**INFLUENT PUMP STATION REHABILITATION:
AFD REPLACEMENT
PROJECT NO. 2012030**

**BID TABULATION
July 30, 2015**

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	Total Bid Amount
Haren Construction Company Etowah, TN	5%	1	Yes	\$652,000.00
M.B. Kahn Construction Company Columbia, SC	5%	1	Yes	\$587,780.00
M.B. Haynes Corporation Asheville, NC	5%	2	Yes	\$428,370.00

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 30th day of July, 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.

Interoffice Memorandum

TO: Tom Hartye, General Manager

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

DATE: August 10, 2015

RE: Influent Pump Station Rehabilitation: AFD Replacement, MSD Project No. 2012030

Each of MSD's three (3) influent pumps is controlled by an Adjustable Frequency Drive (AFD). The AFDs are responsible for fluctuating pump speed in order to match incoming wastewater flow and to manage volume conveyed through the WRF. This type of automated control reduces energy consumption by the motor and is less demanding on the equipment.

The existing AFDs are located in the Influent Pump Station. This space is unconditioned and is subjected to corrosive gases created by incoming wastewater, primarily hydrogen sulfide. These gases, along with humidity and heat, have slowly deteriorated the sensitive circuitry contained in the AFDs, resulting in multiple failures of the equipment over the past couple of years. The units have been repaired, but replacement parts are becoming difficult to find because the units are now obsolete.

On November 19, 2014, the MSD Board approved the procurement of three (3) new AFDs, a prefabricated metal Electrical Enclosure to house the AFDs, and other ancillary equipment. A purchase order in the amount of \$517,359.00 was issued to Rexel USA on November 20, 2014. The new Electrical Enclosure comes furnished with AFDs, HVAC system, lighting and wiring, and will provide an appropriately conditioned environment for this critical infrastructure.

The Electrical Enclosure and all ancillary equipment was received in June 2015 and is currently in storage at the WRF. Installation of the Electrical Enclosure will be performed by a Contractor and includes setting and anchoring the building (adjacent to the east wall of the Influent Pump Station), furnishing and installing new electrical cabling from the power source to the new AFDs, furnishing and installing new control wiring from the new AFDs to the existing pump motors, terminating all new electrical and control connections, and completing minimal site improvements. The installation also includes systems integration work to fabricate and furnish a new PLC, and to integrate the new AFDs into MSD's existing SCADA system.

On July 30, 2015, three (3) sealed bids were received at 2:30 pm for the installation of the Electrical Enclosure. Results were as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Haren Construction Co.	\$652,000.00
2) M.B. Kahn Construction Co.	\$587,780.00
3) M.B. Haynes Corp.	\$428,370.00

The apparent low bidder is M.B. Haynes Corporation with a bid amount of \$428,370.00. The FY15-16 construction budget for this project is \$477,000.00. M.B. Haynes Corp. has performed various electrical improvement projects at MSD's WRF and has a reputation for superior workmanship.

Staff recommends award of this contract to M.B. Haynes Corporation contingent upon review and approval by District Counsel.

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

BUDGET DATA SHEET - FY 2015 - 2016

PROJECT: Influent Pump Station Rehabilitation	LOCATION: MSD-Treatment Plant
TYPE: Treatment Plant	PIPE RATING: N/A
PROJECT NO.: 2012030	TOTAL LF: 0
PROJECT BUDGET: \$1,617,000.00	PROJECT ORIGIN: Aging Equipment

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/14	EST. COST JAN - JUNE 2015	BUDGET FY 15-16
55310 - PRELIM. ENGINEERING	\$14,000.00	14,000.00		
55320 - SURVEY - DESIGN	\$1,000.00	950.00		
55330 - DESIGN	\$75,000.00	\$64,978.00		
55340 - PERMITS	\$10,000.00			\$10,000.00
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$1,476,500.00	\$209,124.00	\$645,360.00	\$477,000.00
55430 - CONST. CONTRACT ADM.	\$35,000.00		\$15,000.00	\$20,000.00
55440 - TESTING	\$5,500.00	\$500.00	\$5,000.00	
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$1,617,000.00	\$289,552.00	\$665,360.00	\$507,000.00

ENGINEER: MSD	HC	ESTIMATED BUDGETS - FY '16 -'25	
R.O.W. ACQUISITION: N/A	# PLATS: [0]	FY 16-17	\$125,000.00
CONTRACTOR: TBD		FY 17-18	\$20,000.00
CONSTRUCTION ADM.: MSD		FY 18-19	\$0.00
INSPECTION: MSD		FY 19-20	\$0.00
		FY 20-21	\$0.00
PROJECT DESCRIPTION: This project is to rehabilitate the influent pump station at the plant. The existing motor controls have deteriorated over the years and must be replaced. New controls will be installed and the space will be air conditioned. One influent pump was replaced in FY13-14. The other two pumps have been re-built multiple times and are approximately 25 years old. These remaining two pumps will be replaced in FY15-16 and FY17-18.		FY 21-22	\$0.00
		FY 22-23	\$0.00
		FY 23-24	\$0.00
		FY 24-25	\$0.00

SPECIAL PROJECT NOTES: Pump replacement work to be subcontracted due to safety and liability concerns.



**Influent Pump Station Rehabilitation
Project No. 2012030**

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: August 19, 2015

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 Town Mountain Preserve (formerly known as Bartram's Walk) Sewer Extension Project, MSD Project No. 2007065

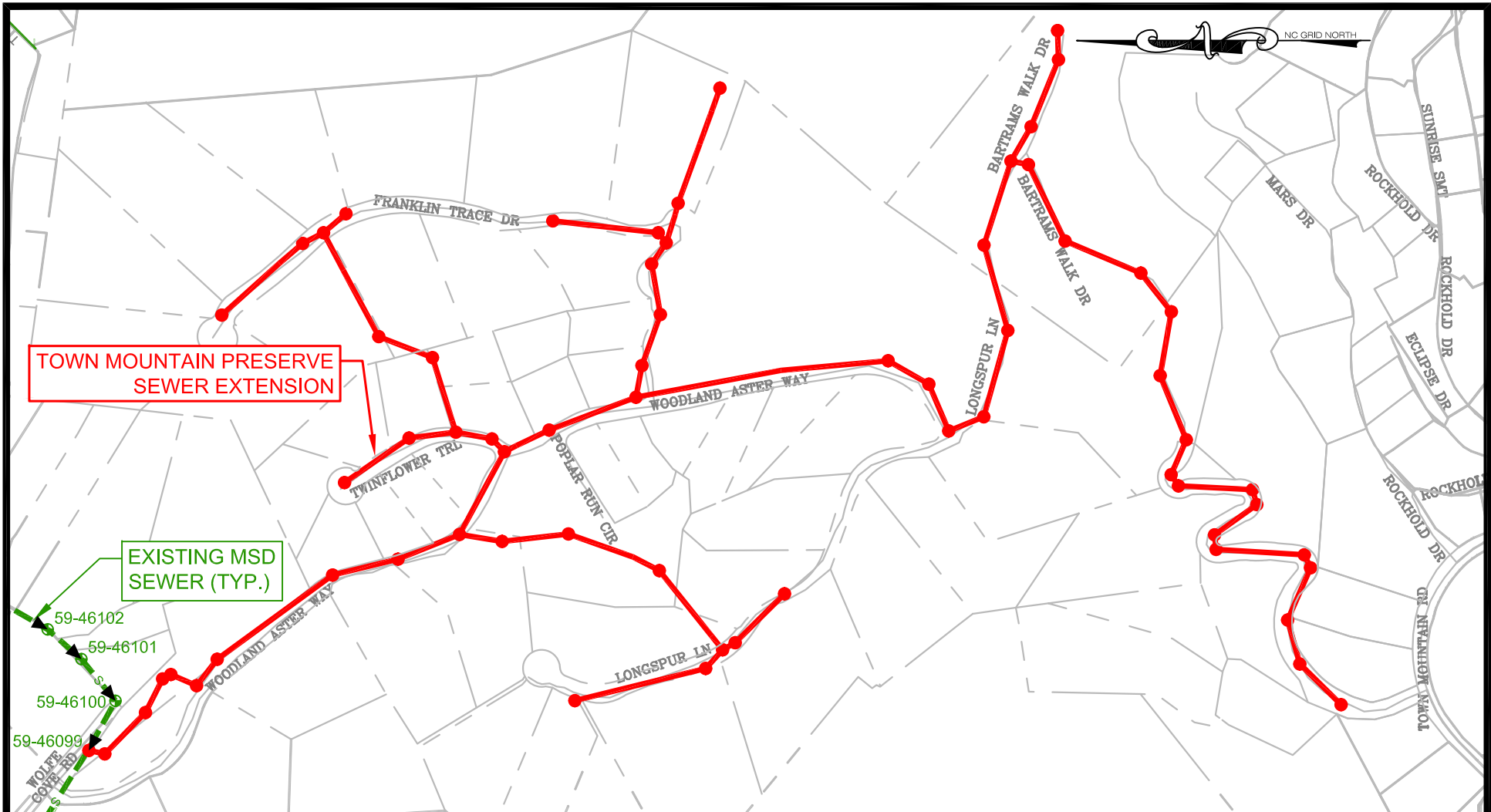
BACKGROUND: This project is located inside the District boundary off Wolfe Cove Road in Buncombe County. The developer of the project is George Escavage of JJS Capital, LLC.

The project included extending approximately 10,610 linear feet of 8-inch public gravity sewer to serve the Seventy-five (75) Unit Residential Development.

A wastewater allocation was issued in the amount of 40,000 GPD for the project. The estimated cost of the sewer construction is \$221,100.00.

All MSD requirements have been met.

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



MSD

Engineering Division

TOWN MOUNTAIN PRESERVE SEWER EXTENSION PROJECT #2007065

Metropolitan Sewerage District of Buncombe County

7/29/15
Scale: 1" = 400'

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

Meeting Date: August 19, 2015
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
Subject: Reimbursement Resolution for Bond Projects

Background

To be in compliance with IRS regulations concerning tax-exempt financing, all expenditures made with non-MSD bonds funds and to be reimbursed from MSD bond funds must be properly identified and authorized. The proposed reimbursement resolution identifies a major project intended to be solely or substantially financed by bonds anticipated to be issued in FY 2018. Board approval is required to obtain the tax-exemption of interest paid on MSD bonds by authorizing reimbursement from bond proceeds of the expenditures for this project.

This resolution does not take the place of an annual budget or capital projects ordinance as mandated by North Carolina General Statutes required authorizing any expenditures irrespective of source of the funds. The project has been or will be included in the District's annual budget process.

In addition to this current reimbursement resolution, additional resolutions may be submitted for other projects when their anticipated costs may be more accurately projected.

Discussion

\$32 million of bonds are planned to be issued in FY 2018, and this reimbursement resolution is intended to preserve for the District the ability to issue the bonds as tax-exempt bonds and to reimburse itself from their proceeds for the temporary cash outlay made for the projects identified in the reimbursement resolutions.

Engineering Staff have identified several upcoming projects detailed on the attached exhibit, which could be reimbursed from the upcoming revenue bonds. Estimated reimbursable expenditures for these projects total \$12,123,900.

Fiscal Impact

Allows for reimbursement of project expenses with bond proceeds. This reimbursement resolution does not obligate the District to use bond proceeds for these projects, nor does it create an obligation for expenditure of the funds for the identified projects. Authorization for these project expenditures is provided by the annual budget ordinance or capital projects ordinance.

Meeting Date: August 19, 2015
Subject: Reimbursement Resolution for Bond Projects
Page 2

Staff Recommendation

Approval.

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
Attachment to Reimbursement Resolution
August 19, 2015

Project	Project #	Estimated Expenditures on and after June 19, 2015
Hendersonville Road @ Mills Gap Road	2008185	\$ 774,200
Hilliard Avenue @ Aston Park	2009115	720,500
Melody Circle	2010093	1,153,500
South French Broad Interceptor - Grouting	2011033	572,000
Four Inch Main - Oakland Drive @ Pine Street	2011118	437,500
Influent Pump Station Rehabilitation	2012030	507,000
New Salem Road	2012131	398,000
Shadowlawn Drive Phase 2	2013005	739,700
Incinerator System Emissions Upgrades	2013059	5,460,000
Bypass Pump Staging Areas	2014033	450,000
Incinerator Building MCC Replacement	2014053	230,500
Plant Headworks Improvement	2015004	681,000
		\$ 12,123,900

Note: Amounts rounded to nearest thousand

REIMBURSEMENT RESOLUTION

RESOLUTION OF THE DISTRICT BOARD OF THE METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA DECLARING ITS INTENTION TO REIMBURSE ITSELF FROM THE PROCEEDS OF ONE OR MORE TAX-EXEMPT FINANCINGS FOR CERTAIN EXPENDITURES MADE AND/OR TO BE MADE IN CONNECTION WITH THE ACQUISITION, CONSTRUCTION AND/OR EQUIPPING OF CERTAIN CAPITAL IMPROVEMENTS

WHEREAS, the Metropolitan Sewerage District of Buncombe County, North Carolina (the "Issuer") is a body politic and corporate organized and existing under the laws of the State of North Carolina; and

WHEREAS, the Issuer has paid, beginning June 19, 2015, and will pay, on and after the date hereof, certain expenditures (the "Expenditures") in connection with the acquisition, design and construction of the projects on the attached Exhibit (the "Projects"); and

WHEREAS, the District Board of the Issuer (the "Board") has determined that those monies previously advanced no more than 60 days prior to the date hereof and to be advanced on and after the date hereof to pay the Expenditures are available only for a temporary period and it is necessary to reimburse the Issuer for the Expenditures from the proceeds of one or more issues of tax-exempt bonds (the "Bonds");

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD AS FOLLOWS:

Section 1. The Board hereby declares the Issuer's intent to reimburse the Issuer with the proceeds of the Bonds for the Expenditures with respect to the Project made on and after June 19, 2015 which date is no more than 60 days prior to the date hereof. The Issuer reasonably expects on the date hereof that it will reimburse the Expenditures with the proceeds of the Bonds.

Section 2. Each Expenditure was and will be either (a) of a type properly chargeable to capital account under general federal income tax principles (determined in each case as of the date of the Expenditure), (b) a cost of issuance with respect to the Bonds, (c) a nonrecurring item that is not customarily payable from current revenues, or (d) a grant to a party that is not related to or an agent of the Issuer so long as such grant does not impose any obligation or condition (directly or indirectly) to repay any amount to or for the benefit of the Issuer.

Section 3. The maximum principal amount of the Bonds expected to be issued for the Projects is \$12,123,900.

Section 4. The Issuer will make a reimbursement allocation, which is a written allocation by the Issuer that evidences the Issuer's use of proceeds of the Bonds to reimburse an Expenditure, no later than 18 months after the later of the date on which the Expenditure is paid or the Projects are placed in service or abandoned, but in no event more than three years after the date on which the Expenditure is paid. The Issuer recognizes that exceptions are available for certain "preliminary expenditures," costs of issuance, certain de minimis amounts, expenditures by "small issuers" (based on the year of issuance and not the year of expenditure) and expenditures for construction projects of at least five years.

Section 5. This resolution shall take effect immediately upon its passage.

PASSED AND ADOPTED this 19th day of August, 2015

M. Jerry VeHaun
Chairman of the Board

Attested to:

Jackie W. Bryson, Secretary/Treasurer

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: August 19, 2015
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
Subject: Fourth 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 performance. This information is based on cash revenues and invoices received prior to June 30, 2015 and may not include some accruals of revenue and expenditures.

Discussion

There are several explanatory notes at the bottom of the attached Budget to Actual schedule. Other considerations are as follows:

- ◀ Domestic Revenue is above budgeted expectations as a result of a short-term revenue source which will end in FY2017. Industrial Revenue trended above budgeted expectation due to increased consumption from two industrial users. Staff monitors consumption trends as they have a direct effect on the District's current and future revenue projections.
- ◀ Facility and Tap Fees are budgeted conservatively. The unusually large variance as of the end of the year is due to receiving unanticipated revenue of \$1.5 million from seven developments.
- ◀ Interest and miscellaneous income are below budgeted expectations. Short-term interest rates are still experiencing pressures due to Federal Reserve monetary policy.
- ◀ Rental income reflects slightly better than expected earnings.
- ◀ Actual and encumbered O&M expenditures are considered reasonable, but may vary slightly once accruals and adjustments are made in connection to the final audit.
- ◀ Bond principal and interest are better than budgeted expectations due to the interest rate swap associated with Series 2008A revenue refunding bonds.
- ◀ Capital project expenditures are at approximately 85.45% of budget. CIP projects are continuing to receive favorable pricing. Additionally, staff moved some projects to FY2016 due to the fact MSD in-house and contracted sewer construction met the 400,000 foot goal for the last 8 year permit cycle.

Meeting Date: August 19, 2015

Subject: Fourth Quarter Budget to Actual Review – FY2015

Page -2-

Staff Recommendation

None - Information Only.

Action Taken

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

Metropolitan Sewerage District Budget to Actual Revenue and Expenditure Report For the twelve months ended June 30, 2015 UNAUDITED--NON-GAAP

	Budget	Actual to Date	% Budget to Actual
REVENUES			
Domestic User Fees ¹	\$ 28,445,115	\$ 29,544,461	103.86%
Industrial User Fees	1,835,438	1,982,632	108.02%
Facility Fees ²	1,250,000	3,922,169	313.77%
Tap Fees ³	105,000	389,090	370.56%
Billing and Collection	725,702	738,239	101.73%
Interest and Misc. Income	486,618	446,338	91.72%
Employee Contribution to Health Ins.	417,800	426,769	102.15%
City of Asheville (Enka Bonds)	37,000	37,167	100.45%
Proceeds from Revenue Bonds	-	-	0.00%
Rental Income	68,742	71,226	103.61%
Use of Available Funds ⁴	15,802,036	6,235,135	39.46%
Total Revenues⁵	\$ 49,173,451	\$ 43,793,225	89.06%
EXPENDITURES			
Operations and Maintenance ⁶	\$ 15,526,358	\$ 14,608,689	94.09%
Bond Principal and Interest	10,389,488	10,186,392	98.05%
Capital Equipment (Other than O&M) ⁶	497,050	407,735	82.03%
Capital Projects ⁶	21,760,555	18,590,409	85.43%
Contingency	1,000,000	-	0.00%
Total Expenditures	\$ 49,173,451	\$ 43,793,225	89.06%

Notes:

¹ Revenues are accounted for on the cash basis method

² Increase due to unanticipated revenue from seven developments at \$1,544,250

³ Increase in number of Taps requiring Pavement Disturbance

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

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: August 19, 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 June 30, 2015

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 June 30, 2015 were \$54,234,700. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.422%. 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 June 30, 2015 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of June 30, 2015 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is (\$5,302,319).

Total Cash & Investments as of 06/30/2015		54,234,700
Less:		
FY16 O & M Expenditures approved June 10, 2015	(15,793,126)	
FY16 Construction Expenditures approved June 10, 2015	(21,849,858)	(37,642,984)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(7,539,492)	
FY16 Principal & Interest Due	(9,109,708)	(16,649,200)
District Reserve Funds		
Fleet Replacement	(535,702)	
WWTP Replacement	(416,788)	
Maintenance Reserve	(913,293)	(1,865,783)
District Insurance Funds		
General Liability	(498,237)	
Worker's Compensation	(362,337)	
Post-Retirement Benefit	(1,315,832)	
Self-Funded Employee Medical	(1,202,646)	(3,379,052)
Designated for Capital Outlay		(5,302,319)

Staff Recommendation

None. Information Only.

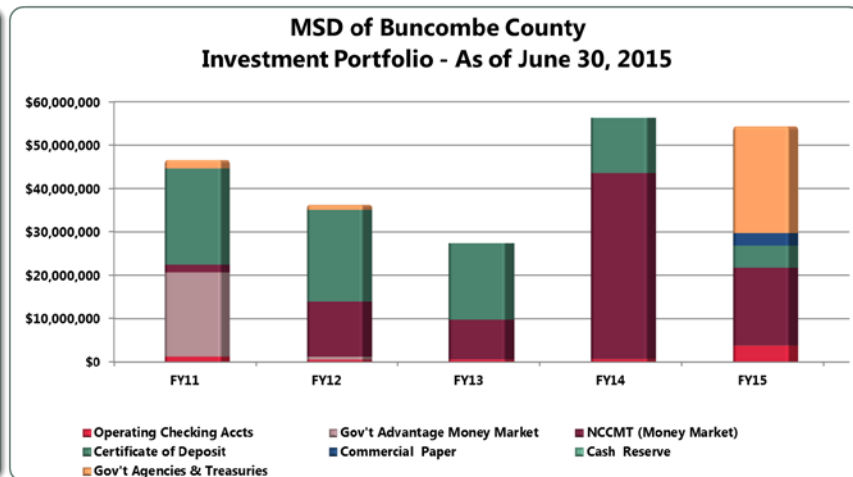
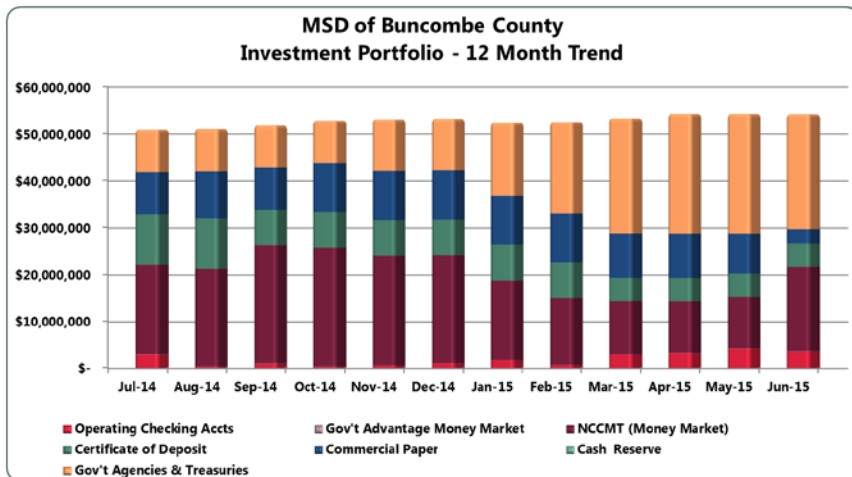
Action Taken

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	-	-	7,539,492	-	-	-	-	7,539,492
Held by MSD	3,730,697	46,664	10,404,147	5,026,796	2,997,837	-	24,489,067	46,695,208
	\$ 3,730,697	\$ 46,664	\$ 17,943,639	\$ 5,026,796	\$ 2,997,837	\$ -	\$ 24,489,067	\$ 54,234,700

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	45.15%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	9.27%	The District 's YTM of .59% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
Commercial Paper	20%	5.53%	
North Carolina Capital Management Trust	100%	33.09%	
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		6.88%	
Gov't Advantage Money Market		0.09%	

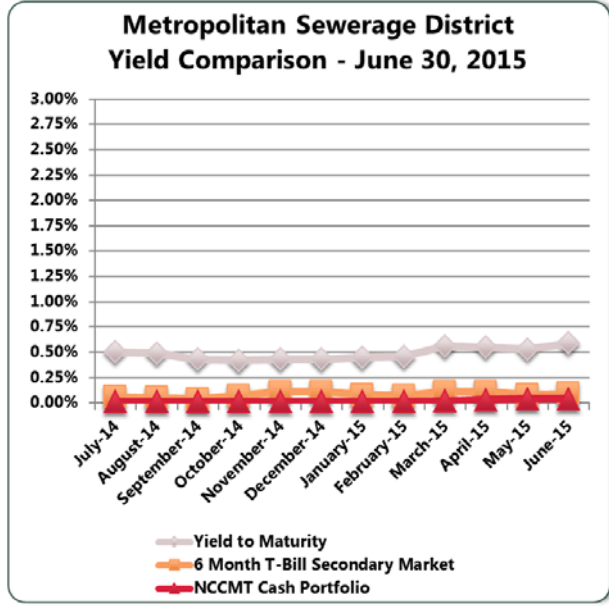
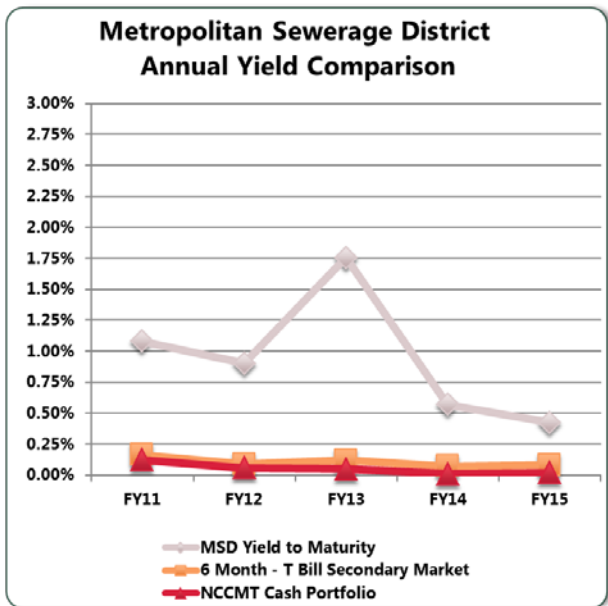


**METROPOLITAN SEWERAGE DISTRICT
INVESTMENT MANAGERS' REPORT
At June 30, 2015**

	Original		Interest Receivable
	Cost	Market	
Beginning Balance	\$ 48,160,043	\$ 48,160,043	\$ 427,254
Capital Contributed (Withdrawn)	(7,112,189)	(7,112,189)	
Realized Income	11,682	11,682	(10,976)
Unrealized/Accrued Income			- 16,058
Ending Balance	\$ 41,059,536	\$ 41,059,536	\$ 432,336

	Original Cost	Income
Cash Equivalents <91 Days	\$ 11,543,673	\$ 4,713
Securities/CD's 91 to 365 Days	19,517,523	7,969
Securities/CD's > 1 Year	9,998,340	4,082
	\$ 41,059,536	\$ 16,765

Month End Portfolio Information	
Weighted Average Maturity	352
Yield to Maturity	0.59%
6 Month T-Bill Secondary Market	0.09%
NCCMT Cash Portfolio	0.04%



Board Meeting:

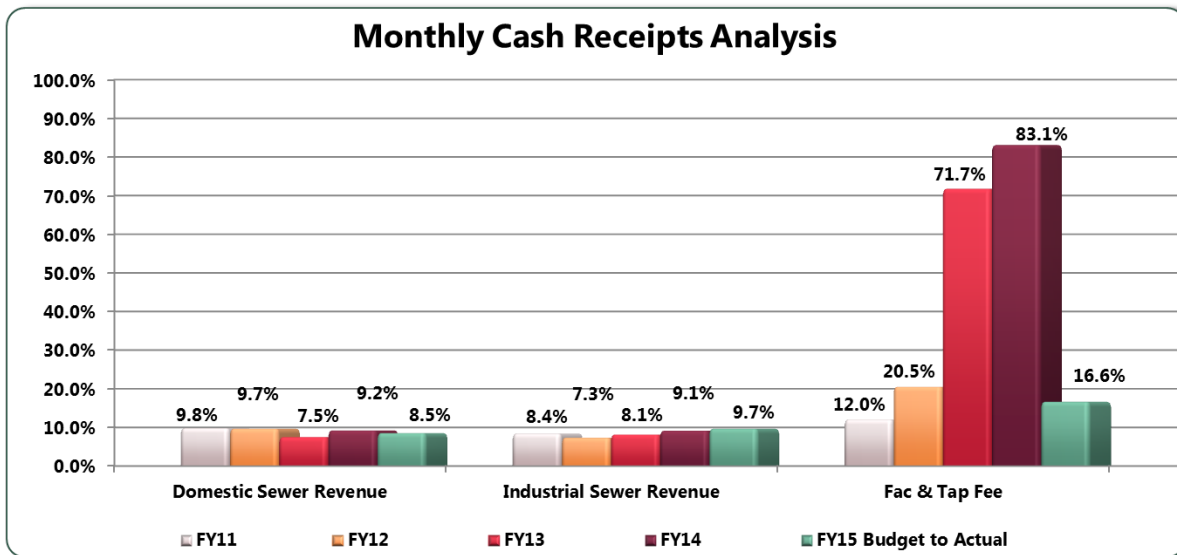
August 19, 2015

Subject:

Cash Commitment/Investment Report-Month Ended June 30, 2015

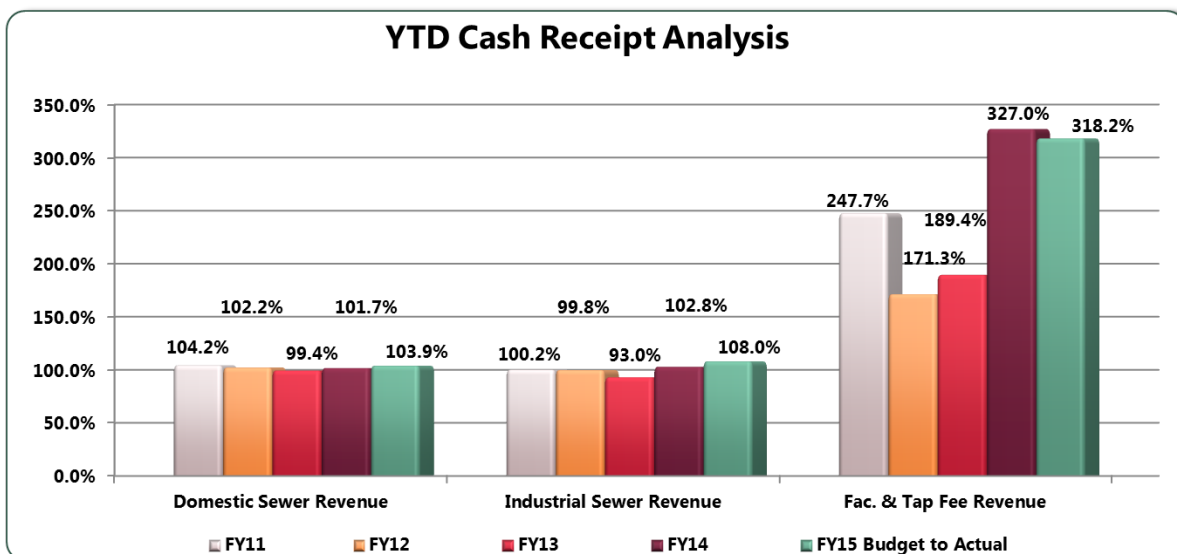
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**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF CASH RECEIPTS
As of June 30, 2015**



Monthly Cash Receipts Analysis:

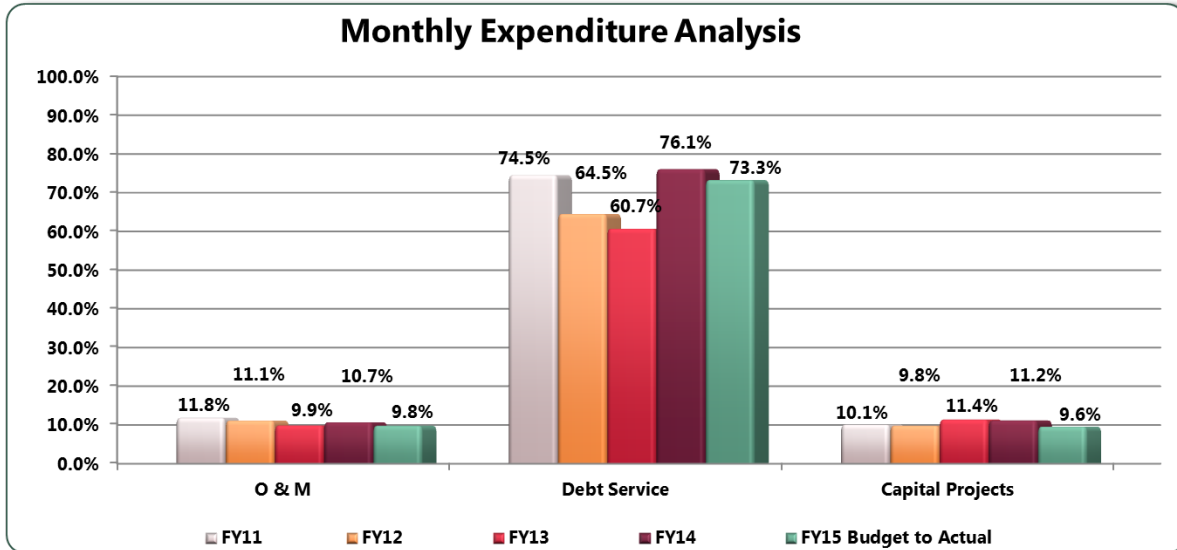
- ▶ Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- ▶ Monthly industrial sewer revenue is reasonable based on historical trends.
- ▶ Due to the unpredictable nature of facility and tap fee revenue, staff considers facility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



YTD Actual Revenue Analysis:

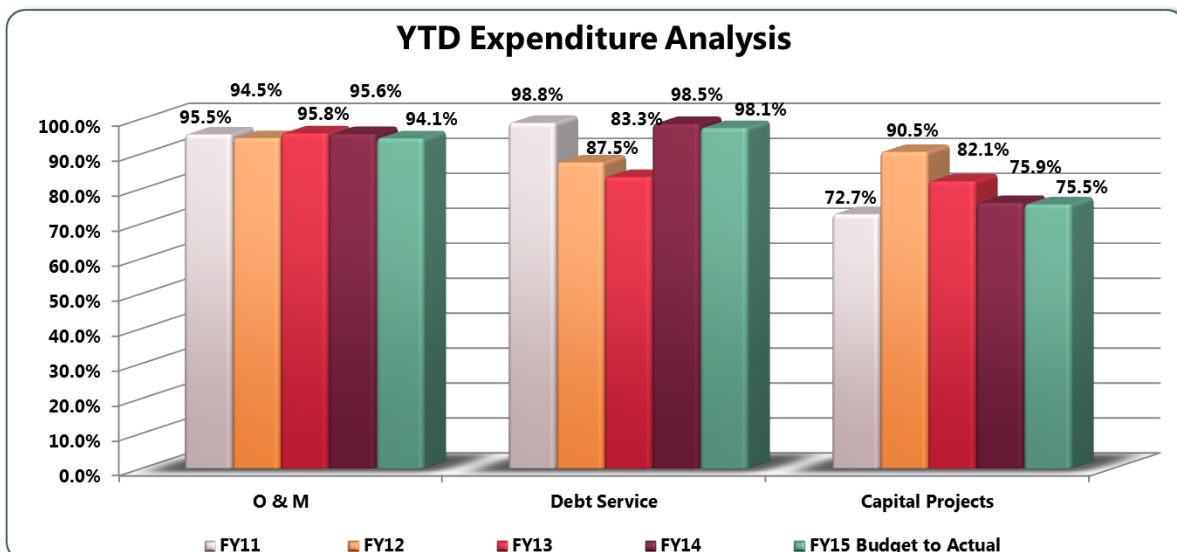
- ▶ YTD domestic sewer revenue is considered reasonable based on historical trends.
- ▶ YTD industrial sewer revenue is reasonable based on historical trends.
- ▶ Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF EXPENDITURES
As of June 30, 2015**



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:

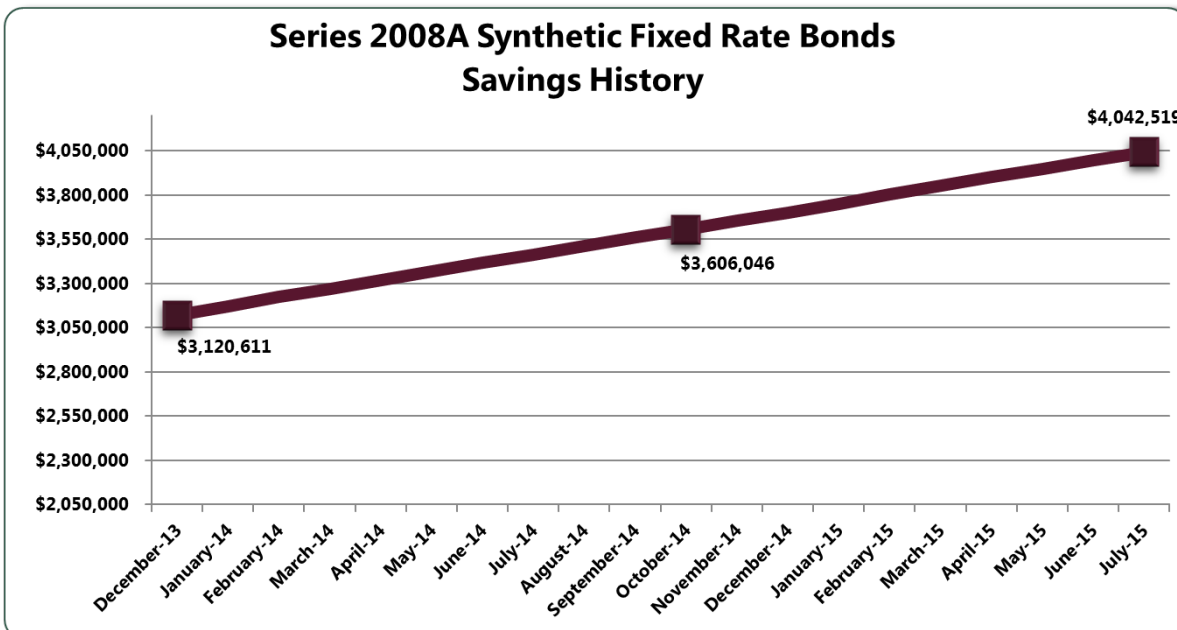
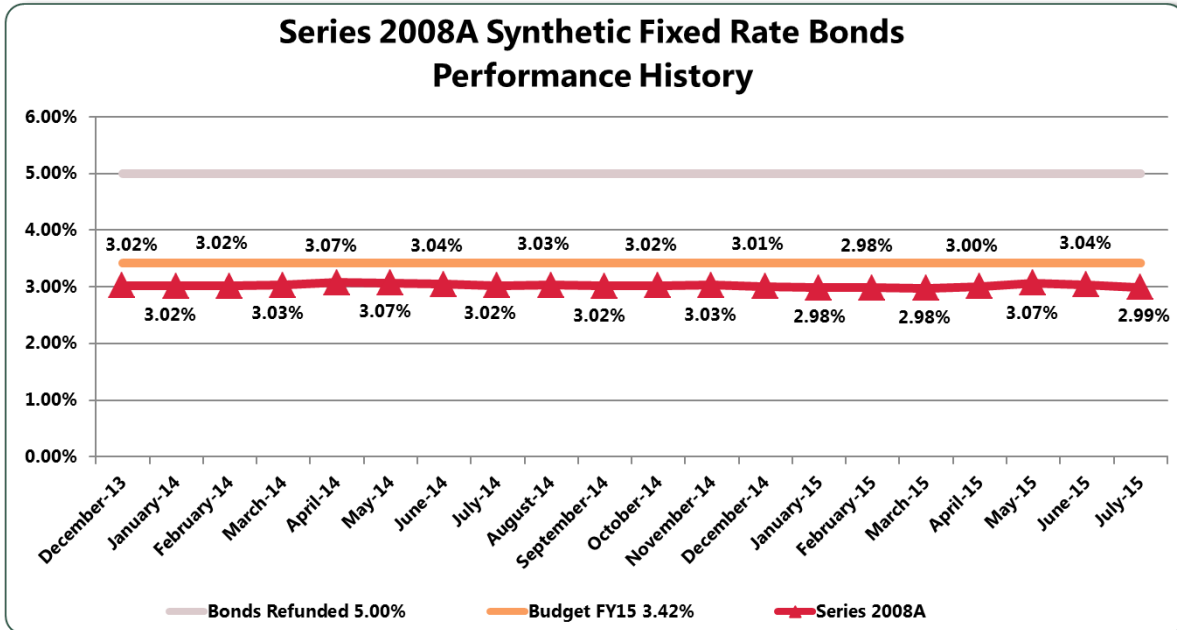
August 19, 2015

Subject:

Cash Commitment/Investment Report-Month Ended June 30, 2015

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



Series 2008A:

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$4,042,519 as compared to 4/1/2008 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 \$4,670,000 over the life of the bonds.
- MSD would pay \$4,468,234 to terminate the existing Bank of America Swap Agreement.

STATUS REPORTS

**MSD System Services In-House Construction
FY 15-16 PROJECTS**

PROJECT NAME		ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	Notes
Deanwood Circle Phase 2	Asheville	618	5/14/15 - 7/1/15	225521	631	7/1/2015	618	complete
590 Haywood Rd	W. Asheville	178	7/16/2015	225966	631	7/16/2015	180	complete
Rathfarnham Circle	Arden	520	7/5/15 - 8/1/15	212218	631	7/23/2015	522	complete
26 Claxton Place	Asheville	121	7/29/2015	224709	631	7/29/2015	121	complete
418 Cedar Lane	Royal Pines	815	7/8/15 - 8/7/15	220605	647			Construction is 95% complete
Locust Court Rehab	Royal Pines	100	8/10/15-8/14/15	223590	647			Construction to begin 8/10/15
Mount Claire Sewer Rehabilitation	Asheville	656	8/3/15-8/21/15	216742	631			Construction in progress
New Salem Road Rehabilitation	Swannanoa	50	8/17/15-8/21/15	226294	647			ready for construction
Panola Street	Asheville	360	8/24/15-9/11/15	225178	631			Ready for construction, P/N 2011079
Hendersonville Rd @ Mills Gap Road	S. Asheville	200	8/24/15-9/11/15	225237	647			ready for construction
School Road at Cranford Road	W. Asheville	360	FY 15-16	224943	TBA			ready for construction, MSD Project 2014084
Winnfred Street	W. Asheville	420	FY 15-16	208234	TBA			ready for construction
Sareva Place	N. Asheville	863	FY 15-16	20330	TBA			ready for construction
Starnes Avenue at Broadway Street	Asheville	400	FY 15-16	208325	TBA			ready for construction
Robindale Ave	Asheville	520	FY 15-16	45877	TBA			ready for construction
18 Crestland Road	Asheville	270	FY 15-16	46826	TBA			ready for construction
Carjen Avenue	N. Asheville	918	FY 15-16	20331	TBA			ready for construction
Hunt Hill Place	Asheville	786	FY 15-16	46650	TBA			ready for construction
355 Lakeshore Drive	N. Asheville	300	FY 15-16	225006	TBA			In design
111 Compton Drive	Asheville	360	FY 15-16	470614	TBA			In design
83 Grayclyn Rd	Asheville	380	FY 15-16	220546	TBA			In design
School Road at Woodland	W. Asheville	350	FY 15-16	224993	TBA			In design
149 Weston Rd	Arden	210	FY 15-16	225004	TBA			In design
Asheville County Club Phase 1	N. Asheville	1665	FY 15-16	225191	TBA			In design
Asheville Country Club Phase 2	N. Asheville	4030	FY 15-16	225192	TBA			In design
Christian Creek	Swannanoa	7000	FY 15-16	225200	TBA			In design
Spears Avenue Rehabilitation	Asheville	300	FY 15-16	225197	TBA			In design
Seventh St	Black Mountain	200	FY 15-16	225198	TBA			In design
Biltmore Avenue at Bryson Street	Asheville	200	FY 15-16	225195	TBA			In design



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2014 to 6/30/2015

	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	41	20	193	908	26	18	3,800	0	235	415	7	400	1050
August 2014	40	11	219	536	29	11	200	0	143	674	8	330	1147
September 2014	37	10	154	650	44	23	1,345	0	16	856	8	0	872
October 2014	28	13	219	644	30	23	420	0	204	405	22	2,075	2684
November 2014	19	8	51	606	28	18	0	0	234	598	4	0	832
December 2014	40	6	118	715	41	18	1,383	0	654	1592	21	942	3188
January 2015	31	8	78	833	25	21	595	73	420	201	4	160	854
February 2015	31	4	32	615	27	21	100	112	378	355	9	805	1650
March 2015	31	20	112	681	34	17	155	0	321	1824	15	0	2145
April 2015	39	15	150	700	35	20	250	0	203	549	11	1,071	1823
May 2015	30	11	244	529	36	22	4,450	0	215	298	8	764	1277
June 2015	39	10	82	595	21	27	190	519	637	621	9	774	2551
Grand Totals	406	136	1,650	8,013	376	239	12,888	704	3660	8388	126	7,321	20073

* Used to calculate Total Rehab Footage



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2014 to June 30, 2015

	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	42,106	2,136	3,299	45,352	24,495	3,650	24,813
October	90,846	1,502	9,854	100,694	35,690	0	3,549
November	61,000	1,210	4,631	65,631	16,007	10	12,239
December	53,482	2,361	7,593	60,910	25,877	400	17,845
2015							
January	71,461	3,848	4,592	76,013	29,687	300	3,732
February	33,353	2,220	2,599	35,952	20,378	300	8,218
March	65,029	3,408	4,569	69,598	32,575	2,700	20,466
April	61,380	2,273	8,150	69,530	27,139	1,450	7,844
May	65,072	2,169	6,990	72,053	31,894	1,300	13,831
June	56,057	2,402	3,732	59,789	29,590	9,243	34,229
Grand Total:	728,721	26,854	65,736	793,924	329,602	23,153	190,433
Avg Per Month:	60,727	2,238	5,478	66,160	27,467	1,929	15,869



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
	January, 2015	102	36	45
	February, 2015	86	48	50
	March, 2015	132	33	45
	April, 2015	125	33	43
	May, 2015	118	31	45
	June, 2015	92	29	40
		1,242	33	42
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
	January, 2015	42	40	24
	February, 2015	23	28	33
	March, 2015	50	34	22
	April, 2015	35	21	31
	May, 2015	27	21	34
	June, 2015	28	34	29
		363	31	25
ON-CALL CREW *				
	July, 2014	37	39	48
	August, 2014	33	55	40

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



CUSTOMER SERVICE REQUESTS Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
ON-CALL CREW *				
	September, 2014	33	47	70
	October, 2014	23	49	49
	November, 2014	47	54	33
	December, 2014	59	55	40
	January, 2015	82	57	50
	February, 2015	48	61	32
	March, 2015	40	63	55
	April, 2015	38	49	48
	May, 2015	47	46	58
	June, 2015	21	42	51
		508	53	47
Grand Totals:		2,113	37	40

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

Right of Way Section 4th Quarter Summary Open Projects

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expend to Date</i>	<i>Comment</i>
Dellwood Avenue GSR	\$19,944	\$10,699	Project 100% complete with 54% of Total Budget expended and no condemnations.
Dingle Creek Interceptor (formerly Ph II)	\$64,657	\$48,004	Access 100% complete with 74% of Total Budget expended to date. One condemnation filed with judgment pending. Construction moved out from 7/09 to 7/22.
Freno Drive PSR			Access 20% complete. There are land title issues in this project over which MSD has no control. It will be up to affected owners to correct title problems before valid easements can be obtained. No compensation is paid for PSRs, as easements are granted in exchange for MSD taking ownership/maintenance of the previously private lines.
Hendersonville Road @ Mills Gap Road GSR	\$268,384	\$61,334	Access 43% complete with 23% of Total Budget expended to date. These are all commercial properties with multiple owners and lessees. Anticipate two condemnations.
Hilliard Avenue @ Aston Park GSR	\$35,754	\$25,471	Access 90% complete with 71% of Total Budget expended to date. One condemnation anticipated.
Melody Circle GSR	\$59,195	\$32,423	Project 100% complete with 55% of Total Budget expended and no condemnations.
New Haw Creek Rd. @ Trinity Chapel Rd.	\$11,073	\$4,389	Project 100% complete with 40% of Total Budget expended and no condemnations.
Sand Hill @ Russell/Davenport GSR	\$66,754	\$7,159	Access 21% complete with 11% of Total Budget expended to date.
Shadowlawn Drive Ph. 2	\$43,550	\$19,038	Access 28% complete with 44% of Total Budget expended to date.
Short Coxe @ Southside	\$165,652	\$163,632	Access 100% complete with 99% of Total Budget expended to date. Five condemnations/declaratory judgments filed. Four cases settled out of court, saving trial expenses. Final case is slated for trial the week of October 19, 2015.

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expends to Date</i>	<i>Comment</i>
West French Broad Interceptor Extension	\$179,993	\$179,993	Access 100% complete with 100% of Total Amended Budget expended to date. One condemnation filed with judgement pending. This is a developer driven, interceptor extension project; i.e. new encumbrances to the land where no sewer existed previously. An independent appraiser determined market values in the \$40,000 to \$65,000 per acre range could be reasonably expected, depending on any number of factors unique to a given parcel. We began negotiations using a mid-range of \$55,000 per acre. We acquired easements from the developer for \$0; and from three other parcels for \$33,000, \$67,500 and \$67,500 per acre. The fifth parcel, owned by the Asheville Firefighters Association, was appraised at \$54,000 per acre; however, the AFA would not agree to grant an easement and MSD therefore condemned. Trial is scheduled for week of November 16, 2015.

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

August 12, 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	8/21/2015	\$1,127,961.19	98%	All pipeline including extension is complete. Paving is on-going, as well as surface restoration. Expect final walk through inspection next week.
CLAYTON ROAD PUMP STATION	Skyland	J.S. Haren Company	11/19/2014	2/23/2015	9/18/2015	\$192,500.00	35%	Mainline is complete, and in service. Contractor is working on restoration. Awaiting shut down and work schedule for actual pump station work.
HILLIARD AVENUE @ ASTON PARK	Asheville	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on July 30th. Buckeye Bridge LLC is the apparent low bidder. Project will be presented for award at the August Board meeting.
MELODY CIRCLE	Swannanoa	Terry Brothers	7/15/2015	8/3/2015	1/30/2016	\$954,087.50	0%	Clearing has begun.
SHADOWLAWN DRIVE PHASE I	Asheville	Buchanan & Sons	12/17/2014	1/26/2015	8/25/2015	\$923,946.00	95%	Mainline construction is complete. Contractor is working on surface restoration.
WENDOVER ROAD	Asheville	Davis Grading, Inc.	1/21/2015	3/2/2015	8/14/2005	\$576,269.50	98%	Final walk through inspection is complete. Contractor is working on punch list items.
WRF - INCINERATOR SYSTEM REHABILITATION AND EMISSIONS UPGRADES	Woodfin	Haren Construction Company	2/18/2015	3/25/2015	2/23/2016	\$4,624,000.00	2%	Electrical sub demo'ing ID fans and Belt Thickeners as well as starting demo on the MCC Replacement project. Haren has just mobilized. Thickened slab has been definitively located and is being reconfigured to work with project. NHM has been hired directly by MSD for this work.
WRF - INFLUENT PUMP STATION REHABILITATION: AFD REPLACEMENT	Woodfin	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on July 30th. M.B. Haynes Corp. is the apparent low bidder. Project will be presented for award at the August Board meeting.

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

Planning & Development Project Status Report

August 1, 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
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
Thoms Estate 3B & 4	2013052	Asheville	35	4,690	7/26/2013	Complete-Waiting on final documents
Publix	2013134	Asheville	Comm.	612	10/5/2014	Complete-Waiting on final documents
Telco - Weaverville	2014046	Weaverville	Comm.	110	5/12/2014	Complete-Waiting on final documents
Avalon	2013114	Asheville	192	1,343	6/2/2014	Complete-Waiting on final documents
Bridle Path	2014040	Asheville	6	129	3/4/2015	Complete-Waiting on final documents
New Belgium Distribution Ctr.	2014044	Asheville	Comm.	1,620	11/11/2014	Complete-Waiting on final documents
Cool Creek	2014165	Buncombe Co.	10	1,014	4/2/2015	Complete-Waiting on final documents
Mallard Run	2014109	Buncombe Co.	72	2,811	10/31/2014	Complete-Waiting on final documents

Planning & Development Project Status Report

August 1, 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	Waiting on final inspection
26 Carl Alwin Place	2014091	Buncombe Co.	Comm.	246	5/1/2015	Waiting on 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
Beaver Drive	2015021	Woodfin	6	220	6/25/2015	Pre-con held, ready for construction
Crest Mountain Phase 3B	2013041	Woodfin	69	1,329	10/15/2013	Waiting on final inspection
Ingles - Smokey Park Highway	2013135	Asheville	Comm.	1,289	4/11/2014	Waiting on final inspection
New Belgium Relocation	2013143	Asheville	Comm.	380	8/12/2014	Waiting on final inspection
Audubon Apts. Phase 2	2014027	Buncombe Co.	86	16	5/27/2015	Pre-con held, ready for construction
Hunt Hill Apartments	2013111	Asheville	180	1,729	3/5/2014	Waiting on final inspection
Rosebriar	2007005	Black Mountain	180	1,729	3/5/2014	Waiting on final inspection
Ventana	2014085	Woodfin	100	5,430	8/12/2014	Testing
Upper Kentucky Improvements	2013085	Montreat	N/A	284	12/3/2013	Waiting on final inspection
Upper Kentucky Ph. 1 "Res"	2014101	Montreat	5	265	10/31/2014	Waiting on final inspection
Isaac Dickson School Relocation	2013033	Asheville	School	504	1/13/2014	Waiting on final inspection
A.B. Tech Fernihurst Relocation	2014061	Asheville	School	697	4/8/2014	Under Construction - on hold
Haywood Village	2014064	Asheville	Mixed	276	6/19/2014	Waiting on final inspection
Lakeside Meadows	2013067	Weaverville	25	1,096	1/16/2015	Waiting on final inspection
Biltmore Lake Block "I"	2014128	Buncombe Co.	19	1,676	3/31/2015	Pre-con held, ready for construction
Creekside Cottages	2014095	Buncombe Co.	7	504	3/12/2015	Pre-con held, ready for construction
Crossings at Beaverdam	2014150	Woodfin	Comm.	119	2/18/2015	Testing
Mill Creek Townhomes	2014037	Buncombe Co.	18	85	3/4/2015	Waiting on final inspection
Busbee Mountain	2007181	Asheville	9	580	9/29/2014	Testing
Country Inn & Suites - Westgate	2014089	Asheville	Comm.	204	1/22/2015	Waiting on final inspection
Burk Street - Phase III	2014079	Asheville	7	111	11/20/2014	Testing
Dillingham Woods	2014048	Asheville	27	375	3/4/2015	Pre-con held, ready for construction
790 Riceville Road	2014078	Asheville	8	1,620	3/3/2015	Pre-con held, ready for construction
Asheville Middle School	2013125	Asheville	School	214	9/30/2014	Waiting on final inspection
Evolve Mountain View	2013105	Asheville	148	347	10/21/2014	Waiting on final inspection
TOTAL			1,632	49,476		