

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT  
JULY 20, 2011**

**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 20, 2011. Chairman Aceto presided with the following members present: Creighton, Kelly, Haner, Manheimer, VeHaun and Watts: Ms. Bellamy, Ms. Bryson, Mr. Root, Mr. Russell and Mr. Stanley were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, Inc., Joseph Martin with Woodfin Sanitary Water & Sewer District, Lee Thomason and Chad Lloyd with Biltmore Farms LLC, Stan Boyd, Ed Bradford, Mike Stamey, Ken Stines, Jim Hemphill, Peter Weed, Monty Payne, Cheryl Rice, Roger Watson, Julie Willingham and Sondra Honeycutt, MSD.

**2. Election of Officers:**

Mr. Aceto called on Mr. Clarke to preside over the election of Chairman. Mr. Clarke called for nominations for Chairman of the MSD Board. Mr. Watts nominated Mr. Aceto as Chairman. Mr. Kelly seconded the nomination. Mr. Clarke called for further nominations. With no further nominations, Mr. Creighton moved that the nominations be closed. Mr. VeHaun seconded the motion. Mr. Clarke called for the question. Voice vote in favor of the motion was unanimous. Mr. Clarke called for a vote on the election of Mr. Aceto as Chairman of the MSD Board. Voice vote in favor of the motion was unanimous.

Mr. Aceto called for nominations for Vice Chairman of the MSD Board. Mr. Creighton nominated Mr. Stanley as Vice Chairman. Mr. Watts seconded the nomination. Mr. Aceto called for further nominations. Mr. Watts moved that the nominations be closed. Mr. VeHaun seconded the motion. Mr. Aceto called for the question. Voice vote in favor of the motion was unanimous. Mr. Aceto called for a vote on the election of Mr. Stanley as Vice Chairman of the MSD Board. Voice vote in favor of the motion was unanimous.

Mr. Aceto re-appointed Ms. Bryson to serve as Secretary/Treasurer of the Board. Mr. Clarke reminded the Board that the By-laws call for the Chairman to appoint a Board Member to serve as Secretary and Treasurer; to either serve both offices, or one person to serve as both and, is subject to ratification by the Board. Mr. VeHaun moved to ratify the appointment. Mr. Haner seconded the motion. Voice vote in favor of the motion was unanimous.

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

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

**4. Approval of Minutes of the June 15, 2011 Meeting:**

Mr. Aceto asked if there were any changes to the Minutes of the June 15, 2011 Board Meeting. With no changes, the Minutes were approved as presented.

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

None

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

Mr. Aceto welcomed Mr. Martin, Mr. Thomason and Mr. Lloyd. There was no public comment.

**7. Report of the General Manager:**

Mr. Hartye presented a note from the Biltmore Estate regarding the interceptor work conducted by MSD crews. He expressed his appreciation to Ken Stines, Jason Capizzi, Jason Norton, Grey Patton, David Hightower, Mitch Hawes, Ray Lunsford, Anthony England, Rick Bradley, Shaun Buckner and Shaun Meadows.

Mr. Hartye presented a synopsis of MSD's current budget prepared for easy reference by the Board.

Mr. Hartye reported that once again, MSD received the Certificate of Excellence from the Government Finance Officers Association (GFOA) for the Fiscal Year 2010 Comprehensive Annual Financial Report (CAFR). He expressed his thanks to Scott Powell and Teresa Gilbert.

Mr. Hartye reported that the next Right of Way Committee meeting will be held July 27<sup>th</sup> at 9 a.m. The Personnel Committee will meet August 4<sup>th</sup> at 9 a.m. The next regular Board Meeting will be held August 17<sup>th</sup> at 2 p.m. The Planning Committee will meet August 29<sup>th</sup> at 2 p.m. to discuss the potential water/sewer consolidation study. He further reported that the United Way Golf Tournament will be held September 16<sup>th</sup> at Broadmoor Golf Links.

**8. Consolidated Motion Agenda:**

**a. Consideration of Bids – Lake Julian Interceptor Phase IV:**

Mr. Hartye reported that Phase IV of the Lake Julian Interceptor is the final phase of the rehabilitation project is for the replacement of an aged sanitary sewer interceptor line along the southern boundary of Lake Julian. He called on Ed Bradford for a Power Point presentation.

Mr. Bradford presented a slide of the Lake Julian area and reported that in total, there is approximately 53,000 LF of line around the lake itself, in both interceptor work and AARA stimulus work. Mr. Bradford presented a slide showing the various phases of work. He reported that Phase I of the project consisted of 8,161 LF and was completed five or six years ago. Phase II, MSD partnered with the DOT and consisted of 4,806 LF. Phase III, located near the power plant, consisted of 8,200 LF and is near completion. Under consideration is Phase IV of the interceptor and it consists of approximately 1,600 LF of mostly 18-inch through 20-inch DIP. Mr. Bradford presented a budget map showing the location of the final phase of the project. He stated that this project is for the replacement of a portion of an existing sanitary sewer line along the southern side of Lake Julian between the Progress Energy's Electrical Generation Plant and Glenn Bridge Road. This particular section is comprised of two parallel clay lines; a 15-inch and 10-inch VCP, which are in poor structural condition and have contributed to numerous maintenance problems over the years, including SSO's.

Mr. Bradford reported that the Phase IV contract was advertised and the following bids were received on July 7, 2011: Payne, McGinn & Cummins, Inc. with a total bid of \$381,083.02; Ruby-Collins with a total bid of \$361,118.00; Haywood Grading & Excavating, LLC with a total bid of \$323,730.00; Carolina Specialties with a total bid of \$316,050.00; Huntley Construction Co., with a total bid of \$314,802.70; T&K

Utilities with a total bid of \$303,744.00; Moore & Sons Site Contractors with a total bid of \$274,338.35; Freestone Construction, LLC with a total bid of \$257,516.00, and Terry Brothers Construction Co., with a total bid of \$247,035.00. Staff recommends award of this contract to Terry Brothers Construction Co., in the amount of \$247,035.00, subject to review and approval by District Counsel. Mr. Hartye added that in addition to the interceptor lines, there has been a significant amount of collection line rehab in this area as well. Mr. Watts asked who the contractor was on Phase III. Mr. Bradford said Ruby-Collins.

**b. West French Broad Master Plan Interceptor – Reimbursement Agreement:**

Mr. Hartye reported that the West French Broad Master Plan Interceptor is for the installation of a new sanitary sewer interceptor along the French Broad River in Avery Creek. Biltmore Farms, LLC (Biltmore) proposes to install this new 16-inch line in accordance with the District's Collection System Master Plan. He called on Mr. Bradford for a power point presentation.

Mr. Bradford presented a slide showing the areas of the Collection System Master Plan. He reported that this Plan serves as a basis to ensure extensions are located in an orderly, predictable fashion and prepared in close cooperation and guidance of member agencies and regional stakeholders; using their land use policies, zoning regulations and projections for growth to determine the areas of this plan. He stated that the plan was adopted by the Board in November, 2008 and the largest project under this plan are the Reems Creek Interceptor, completed last year and, the West French Broad Interceptor which is now under consideration.

Mr. Bradford reported that Biltmore Farms, LLC came to MSD earlier this year to discuss their project. They propose to develop a 61 acre tract @ Long Shoals Road near 1-26 with both commercial and residential; commercial first. He stated that since the CIP Budget process was underway, staff added the eligible reimbursement portion to the budget, which was reviewed by the CIP Committee in May. He presented a budget map showing the location of the project. He explained that this project qualified for Additional Capacity Reimbursement because the interceptor is sized at 16-inches in accordance with the Master Plan and the property is located within the Primary Service Area as defined by Buncombe County's Zoning Plan. Additionally, for interceptor lines 12-inches and larger, MSD will provide the design and right-of-way acquisition services; revenue sharing – 50% actual user revenues over 10 years, and developer to developer reimbursements. He presented slides showing different perspectives of the project location.

In summary, Mr. Bradford reported that this project will be built in accordance with MSD's Master Plan. He stated that the total linear feet is 7,055 at a construction cost of \$3.19 million dollars. MSD will design the project, acquire rights-of-way, and the developer constructs at their cost. MSD's share (at approximately \$225,000) is within FY12 budgeted amount. He further stated that the FY 11-12 construction reimbursement budget for this project is \$305,000.00. The proposed lump-sum payment of \$225,138.49 will not be issued until the project is fully closed out and accepted by the District Board. He further reported that staff recommends that the District enter into a reimbursement agreement with Biltmore Farms, LLC, in the amount of \$225,138.49, subject to review and approval by District Counsel. Mr. Thomason stated that he has enjoyed working with MSD on this project and is very pleased.

**c. Cooking Oil Recycling Program Grant from Biofuels Center of NC FY12 Budget Amendment:**

Mr. Hartye reported that MSD was the first major purchaser of biodiesel in Buncombe County and has been using biodiesel in its fleet of 85 vehicles for over 7

years. He stated that Blue Ridge Biofuels (BRB) has managed to stay in business by sourcing local waste oils, fats, and greases as feedstocks from the Buncombe County region. He further stated that fats, oils and grease are one of the major causes of costly sewer maintenance and SSO's. As a result, MSD partnered with BRB to propose a Cooking Oil Recycling (COR) Program and was awarded a grant in the amount of \$119,675.00 from the Biofuels Center of North Carolina. This grant will fund 40 feedstock collection bins made by TLF, Inc. in Asheville and maintained by BRB. The bins will be placed at locations across Buncombe County, such as housing developments, community centers, recycling centers, and fire stations. He further reported that an informational campaign will be launched to educate the public about the program and a paid intern from Green Opportunities will work with MSD to develop and implement a campaign that specifically targets public housing development residents. He presented the budget amendment, which was not included in the District's FY12 budget, but is required to account for the COR grant revenue and associated expenditures of \$119,675.00. He stated that MSD will administer the grant without receiving any direct compensation. He further stated that staff recommends approval of the required budget amendment to facilitate implementation of the COR Program with the grant funds provided from the Biofuels Center of North Carolina. Mr. Haner asked where the bins will be located. Mr. Payne stated that some will be located in the Asheville area and the rest distributed throughout the county. Mr. Haner asked if MSD has any input as to where the bins are located. Mr. Payne said MSD will make recommendations as to their location. Mr. Haner asked if MSD is satisfied that the bins are designed in a way that they will not cause a nuisance situation. Mr. Payne said yes. Mr. Hartye stated that the MSD Seal will not be displayed on the bins and Monty Payne will be working with BRB to make sure the bins are properly maintained.

**d. Consideration of Sole Source Purchase and Installation of Closed Circuit Television Equipment:**

Mr. Hartye reported that MSD currently uses two (2) CCTV inspection vehicles to inspect the condition of sewer lines, digitally record the video and, store data on MSD servers. Video inspection plays a major role in MSD's pipe rating program, locating problems, SSO evaluations and asset management. He further reported that the purchase of this system is to replace an older van-mounted CCTV Inspection system purchased in 2003. He stated that a primary overriding concern for the proposed new CCTV system is that it be standardized and compatible with MSD's existing equipment. The Cues CCTV system currently being used throughout the District is of proprietary design and, in order to provide compatibility with existing equipment and software must be purchased through Southern Municipal Equipment on a sole source basis at a cost of \$128,995.00. Staff recommends award of the sole source purchase and installation of the CCTV equipment to Southern Municipal Equipment in the amount of \$128,995.00, subject to review and approval of District Counsel. Funds are budgeted in the Fleet Replacement Fund. Mr. VeHaun asked if MSD will be able to stay with this system well into the future considering the proprietary design. Mr. Hartye stated that this company has been in business for quite some time, therefore, does not see a problem.

**e. Cash Commitment Investment Report as of May 31, 2011:**

Mr. Hartye reported that total cash & investments as of 5/31/2011 is \$46,593,027. Page 3 is the MSD Investment Manager's Report which shows there is no appreciable change in the Investment Portfolio from the prior month. The weighted average maturity of the investment portfolio is 312 days and the yield to maturity is 0.96% and exceeds MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 4 is an analysis of the District's Cash Receipts. Monthly Cash Receipts ratio is 8.3%. Domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods. Monthly industrial sewer

revenue is considered reasonable due to historical trends and, facility and tap fee revenue is reasonable. YTD Cash Receipts is at 91%. YTD domestic and industrial sewer revenue is considered reasonable based on historical trends and facility and tap fees is higher due to two unexpected developments. Page 5 is an Analysis of Expenditures. Monthly expenditure is the same at 8.3%. YTD expenditures is 91% except for capital projects, due to the Microscreen project, which will level out in a couple of months. Page 6 is the Synthetic Fixed and Variable Rate Bond Performance History, which are both performing well, with a recent reset value on the variable rate as low as .04%.

With no discussion, Mr. Aceto called for the question. Mr. Watts moved that the Board approve the Consolidated Motion Agenda as presented. Mr. VeHaun seconded the motion. Roll call vote was as follows: 7 Ayes; 0 Nays.

**9. Old Business:**

None

**10. New Business:**

None

**11. Adjournment:**

With no further business, Mr. Aceto called for adjournment at 2:30 p.m.

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Jackie W. Bryson, Secretary/Treasurer

# MSD

## Regular Board Meeting

Metropolitan Sewerage District  
of Buncombe County, NC

## AGENDA FOR 7/20/11

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	Aceto	2:00	
	01. Election of Officers	Aceto	2:05	
	02. Inquiry as to Conflict of Interest	Aceto	2:15	
	03. Approval of Minutes of the June 15, 2011 Board Meeting.	Aceto	2:20	
	04. Discussion and Adjustment of Agenda	Aceto	2:25	
	05. Informal Discussion and Public Comment.	Aceto	2:30	
	06. Report of General Manager	Hartye	2:35	
	07. Consolidated Motion Agenda	Hartye	2:50	
	a. Consideration of Bids – Lake Julian Interceptor Phase IV.	Hartye		
	b. West French Broad Master Plan Interceptor – Reimbursement Agreement	Hartye		
	c. Cooking Oil Recycling Program Grant from Biofuels Center of NC FY12 Budget Amendment	Hartye		
	d. Consideration of Sole Source Purchase and Installation of Closed Circuit Television Equipment.	Hartye		
	e. Cash/Commitment Investment Report Month Ending May 31, 2011.	Powell		
	08. Old Business	Aceto	3:10	
	09. New Business:	Aceto	3:15	
	10. Adjournment (Next Meeting August 17, 2011)	Aceto	3:20	

# **APPROVAL OF MINUTES**

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT  
JUNE 15, 2011**

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

The regular monthly meeting of the Metropolitan Sewerage District Board and Public Hearing on the Budget for FY 2012 was held in the Boardroom of MSD's Administration Building at 2:00 p.m., Wednesday June 15, 2011. Vice Chairman Stanley and Chairman Aceto presided with the following members present: Bellamy, Bryson, Creighton, Kelly, Haner, Manheimer, Root, Russell, Stanley, VeHaun and Watts.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, Inc., Gary Jackson, Asheville City Manager, Joseph Martin with Woodfin Sanitary Water & Sewer District, Stan Boyd, Ed Bradford, John Kiviniemi, Mike Stamey, Ken Stines, Scott Powell, Jim Hemphill, Peter Weed, Julie Willingham and Sondra Honeycutt, MSD.

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

In the absence of Mr. Aceto, Vice Chairman Stanley asked if there were any conflicts of interest with the agenda items. No conflicts were reported.

**3. Approval of Minutes of the May 18, 2011 Meeting:**

Mr. Stanley called for corrections or additions to the Minutes of the May 18, 2011 meeting. Mr. Russell moved that the minutes be approved as presented. Mr. Haner seconded the motion. Voice vote in favor of the motion was unanimous.

**4. Adjustment of Agenda:**

None

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

None

**6. Report of General Manager:**

Mr. Hartye presented an e-mail from Patty Dunlap of 10 Sunset Terrace regarding the teamwork of the System Services crew. Mr. Hartye expressed his appreciation to Ken Stines, Herman Shelton, Rick Bates, Eric Bryant, Carl Ellington, Marcus Bynum and John Crowe. He also presented an e-mail from Sally Beth Shore thanking Michael Pressley for his assistance in getting her car started, and an e-mail from Tom Elmore thanking Herman Shelton for a job well done in conducting a test of the sewer line on Winnfred Street in Asheville.

Mr. Hartye reported that the MSD received the "Pat on the Back" award from the WNC Regional Air Quality Agency for compliance with air quality standards throughout 2010. He stated that this refers to the emissions from the Thermal Converter at the plant that is continually monitored. Additional information on this can be found on the SPAR report on the MSD website.

With regard to MSD Renewable Energy Certificates (REC's), Mr. Hartye reported that MSD operates a hydroelectric facility on the French Board River, which is unique for a wastewater treatment provider. The energy from that facility is used to offset the energy MSD buys from Progress Energy, saving \$300,000 - \$400,000 per year. He stated that MSD recently became part of a program that will further boost the value of the hydroelectric facility operation. The NC Renewable Energy and Energy Efficiency Portfolio Standard (REPS) was established and passed by the N.C. Legislature in 2007.



This program requires electric utilities to purchase a portion of their electricity from renewable energy generators of which MSD is one. Targets to be met are 3% renewables by 2012; 6% by 2015 and 10% by 2018. He stated that REC's are equal to one (1) megawatt hour of electricity. In an effort to market and sell its REC's MSD entered into a broker services agreement with Cardinal Energy. He further stated that sales of REC's for the period of January through April 2011 yielded \$26,964 to MSD, less the associated broker services fees of \$1,887. Annualized, sales of MSD generated REC's are anticipated to be approximately \$75,000. Mr. Haner asked if MSD is committed to a certain amount each month or each year and if it interferes with MSD's energy needs. Mr. Hartye said no, the contract is a unit price contract based on an estimated amount which is supplemental income and does not interfere with MSD energy needs. Mr. Clarke stated that MSD is under no obligation to generate electricity.

Mr. Hartye presented an article from the Asheville Citizen Times regarding House Bill 925 and a copy of the Bill.

Mr. Hartye reported that the Right of Way Committee meeting scheduled for June 22<sup>nd</sup> has been cancelled. The next meeting is scheduled for July 27<sup>th</sup> at 9 a.m. The next regular meeting of the Board will be held July 20<sup>th</sup> at 2 p.m.

**7. Consolidated Motion Agenda:**

**a. Consideration of Sanitary Sewer Rehabilitation Project – Town Branch Interceptor Phase 11:**

Mr. Hartye reported that this project is for the replacement of an aged sanitary sewer interceptor line which serves significant areas of Asheville's southern downtown business district as well as surrounding neighborhoods. He stated that the original 21-inch clay line was constructed in the early 1900's. The first portion of this line was recently rehabilitated where it crosses the Norfolk Southern switchyard, which is now complete. Phase II is comprised of 1,957 linear feet of 8-inch through 30-inch DIP and is located primarily within the City of Asheville's W. C. Reid Center near Depot Street. District and City staff have worked together to align the new sewer to accommodate the City's future plans for its property. He further reported that the contract was advertised and the following bids were received on June 2, 2011: D.H Griffin Infrastructure, LLC with a total bid of \$1,164,615.00; Iron Mountain Construction Co., with a total bid of \$779,927.00; Ruby-Collins, Inc. with a total bid of \$768,045.00; Payne, McGinn & Cummins with a total bid of \$758,281.00; T&K Utilities, Inc. with a total bid of \$718,221.00; Terry Brothers Construction Co., with a total bid of \$683,214.50; Huntley Construction Co., with a total bid of \$678,226.00; Buckeye Construction Co., with a total bid of \$639,572.45 and Moore & Son Site Contractors with a total bid of \$511,753.30. Mr. Hartye stated that the apparent low bidder is Moore & Son Site Contractors, with a bid amount of \$511,753.30 and that this company recently completed a previous rehabilitation project and their work quality was excellent. Staff recommends award of this contract to Moore & Son Site Contractors in the amount of \$511,753.30, subject to review and approval by District Counsel.

**b. Consideration of Sodium Hypochlorite Contract:**

Mr. Hartye reported that the Water Reclamation Facility is required to disinfect the effluent prior to discharge into the French Board River. The following two bids were received and opened on May 26, 2011: Univar with a bid of \$168,000.00 and Brenntag SE with a bid of \$171,800.00. Staff recommends award of the contract to Univar USA at a unit price of \$0.84 per gallon based on 200,000 estimated gallons totaling \$168,000.00.

**c. Acceptance of Developer Constructed Sewer Systems:**

**1. Crayton Creek Sewer Extension Project**

Mr. Hartye reported that this project is located inside the District boundary off Merchant Street in the City of Asheville and included the installation of approximately 408 linear feet of 8" gravity sewer to serve a twenty-four (24) unit residential subdivision. Staff recommends acceptance of the system. All MSD requirements have been met.

**2. CVS #2538 – US Hwy 70 Sewer Extension Project**

Mr. Hartye reported that this project is located inside the District boundary at Patton Cove Road and US Hwy 70 in Swannanoa and included the installation of approximately 433 linear feet of new 8" gravity sewer to serve the commercial development. Staff recommends acceptance of the system. All MSD requirements have been met.

**3. Forest Manor Office Complex Sewer Relocation and Abandonment Project**

Mr. Hartye reported that this project is located inside the District boundary at Hendersonville Road and Forest Street in the City of Asheville and included the installation of approximately 77 linear feet of new 8" gravity sewer and abandonment of approximately 287 feet of old gravity sewer to serve the commercial development. Staff recommends acceptance of the system. All MSD requirements have been met.

**4. Self Help Houses at Byrd Road Sewer Extension Project**

Mr. Hartye reported that this project is located inside the District boundary off Byrd Road in the Town of Black Mountain and included the installation of approximately 112 linear feet of 8" gravity sewer to serve a six (6) unit affordable housing subdivision. This project also qualifies for the District's Cost Recovery Reimbursement program for construction cost or an estimated 5-year revenue of \$7,466.00. Staff recommends acceptance of the sewer system. All MSD requirements have been met.

**5. Grove Park Cove Sewer Extension Project**

Mr. Hartye reported that this project is located inside the District boundary off Patton Mountain Road in the City of Asheville and included the installation of approximately 2,792 linear feet of 8" gravity sewer to serve a fourteen (14) unit residential subdivision. Staff recommends acceptance of the system. All MSD requirements have been met.

**d. Consideration of MSD FY12 Non City of Asheville Road ROW Paving Restoration Contract:**

Mr. Hartye reported that this contract is for taps for new connections or small repairs, and emergency repairs to the system outside the City of Asheville and those on private property. He stated that the larger in-house projects are not involved; they are separately bid as part of sewer installation. He further reported that the following two (2) bids were received and opened on May 26, 2011: APAC-Atlantic, Inc. with a total bid of \$159,307.80 and French Broad Paving, Inc. with a total bid of \$146,162.50. The FY 11-12 budget for this line item is \$700,000.00 which also includes the City of Asheville paving contract for \$560,000.00. The combined cost for both contracts is \$706,165.50. The contingency fund will be available for the

difference of \$6,162.50. Staff recommends award of this contract to French Broad Paving, Inc. in the amount of \$146,162.50, contingent upon review and approval by District Counsel. Ms. Bellamy asked if this is an annual contract. Mr. Hartye said yes.

**e. Cash Commitment/Investment Report – Month Ended April 30, 2011:**

Mr. Powell reported that Page 2 presents the makeup of the District's Investment Portfolio with no change in the makeup of the portfolio from the prior month. Page 3 is the MSD Investment Manager Report as of the month of April. The weighted average maturity of the investment portfolio is 323 days and the yield to maturity is 0.99% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 4 is an analysis of the District's April Cash Receipts. Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods. Monthly and YTD Industrial Sewer Revenue is considered reasonable due to historical trends and YTD Facility & Tap fees are above historical trends due to the timing of two cash receipts of \$1.1 million as well as impact fees being budgeted conservatively. Page 5 is an analysis of the District's April Expenditures. Monthly and YTD expenditures are considered reasonable based on historical trends. Page 6 is the MSD Variable Debt Service report as of the month of May. Both the 2008 A&B Series are performing better than budgeted expectations. As of the end of May, both issues have saved District rate payers \$4 million dollars in debt service since April, 2008. Mr. Kelly asked how secure MSD synthetic fixed rate bonds and investments are as of today. Mr. Powell stated that MSD entered into a contract for the variable rate debt liquidity for three (3) years at 55 basis points. In 2014 some international regulations will come into play that would have an impact on the market. He further stated that the bonds refunded were the 2008A bonds at a 5% fixed rate. As it stands now, these bonds are performing at a combined impact of 4%. In order to have any impact to the rate payer, cost would have to go up 100 basis points and from what he gathers from all MSD banking relationships, they do not foresee the liquidity costing more than 155 basis points. In addition, reset rates are watched every week and MSD is always looking for opportunities to extricate itself from the interest rate swap. Ms. Bellamy asked if this is in hard dollars and if this is included in the budget for FY11-12. Mr. Powell said yes, that those monies are kept in unrestricted net assets and would be used to fund capital infrastructure improvements budgeted for FY11-12.

With no further discussion, Mr. Aceto called for the question. Mr. Russell moved that the Board approve the Consolidated Motion Agenda as presented. Mr. Stanley seconded the motion. Roll call vote was as follows: 12 Ayes; 0 Nays.

**8. Public Hearing – Consideration of Resolution Adopting the Final Budget and Rates and Fees for Fiscal Year 2011-2012:**

**MINUTES OF PUBLIC HEARING**

At 2:20 p.m., Mr. Aceto declared the Public Hearing open on the Final Budget, Rates & Fees for Fiscal Year 2011-2012.

Mr. Powell stated that the Resolution adopting the Final Budget, Rates and Fees for Fiscal Year 2011-12 is the same as the Resolution for the Preliminary Budget. He reported that on Page 29 is the proposed \$43,258,503 FY12 budget which incorporates a 3.0% domestic rate increase (.73 cent increase in the average single family monthly bill or \$26.45); continuation of the Industrial Rate Parity Plan (4.1% average increase in the industrial section which includes the 3.0% domestic rate increase); \$451,000 increase in facility and tap fee revenue; 1.5% Rate of Return on investments; 1.6% Material,

Supplies and Services expenditure (an impact of \$318,000 for which \$200,000 is directly due to anticipated fuel and utility cost increases); 1.5% Cost of Living increase as well as a lump sum payment per employee of \$775.00 to defray the increased cost of health insurance (a net impact of \$215,000); 7.5% increase in funding for self-insured medical plan (a \$71,805 net impact); 8.4% increase in funding for North Carolina retirement cost (a net impact of \$41,394) and funding for post-employment health benefit (an impact of \$211,500). Ms. Bellamy requested that the Minutes of the May 18, 2011 meeting, Page 4, paragraph 5, be changed to reflect the correct net impact of \$215,000 for the 1.5% Cost of Living increase as well as a lump sum payment per employee of \$775.00.

Mr. Aceto called for public comment on the proposed Budget, Rates & Fees for FY 2011-2012. There being no comment, Mr. Aceto declared the public hearing closed at 2:25 p.m.

Mr. Aceto called for a motion to approve the Resolution adopting the Final Budget, Rates & Fees for FY 2011-2012. Ms. Bryson moved. Mr. Root seconded the motion. With no discussion, Mr. Aceto called for the question. Roll call vote was as follows: 11 Ayes; 1 Nay, Ms. Bellamy because of the rate increase.

**9. Old Business:**

None

**10. New Business:**

Mr. Aceto announced that he has appointed Mr. Al Root to Chair the Planning Committee and requested that the first order of business should be to consider the Water/Sewer Consolidation issue and how this Board should proceed. Also, Mr. Aceto appointed Ms. Manheimer to serve on the Planning, Finance and Right of Way Committees.

Mr. Aceto presented Ms. Manheimer with a manhole puller as a new Member of the Board representing the City of Asheville.

**11. Adjournment:**

With no further business, Mr. Aceto called for adjournment at 2:30 p.m.

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Jackie W. Bryson, Secretary/Treasurer

# **GENERAL MANAGER REPORT**

## MEMORANDUM

TO: MSD Board  
FROM: Thomas E. Hartye, P.E., General Manager  
DATE: July 7, 2011  
SUBJECT: Report from the General Manager

- **Kudos**

See attached note from the Biltmore Estate regarding the Interceptor work conducted by MSD crews.

- **Budget Bullets**

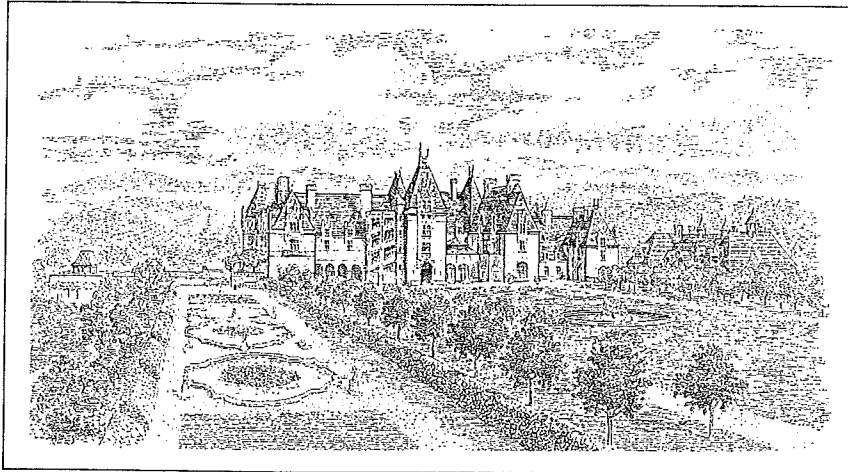
Attached is synopsis of our current budget prepared for easy reference by the Board.

- **GFOA Certificate of Excellence for FY 2010 CAFR**

MSD has once again received the Certificate of Excellence from the Government Finance Officers Association (GFOA) for the Fiscal Year 2010 Comprehensive Annual Financial Report (CAFR). Many thanks to Scott Powell and Teresa Gilbert.

- **Board/Committee Meetings**

The next Right of Way Committee will be held July 27<sup>th</sup> at 9am. The next Regular Board Meeting will be held August 17<sup>th</sup> at 2 pm. The next Planning Committee Meeting will be held August 29<sup>th</sup> at 2 pm to discuss potential water/sewer consolidation study.



**BILTMORE™**

Ken Stines  
Jason Capizzi  
Jason Norton  
Greg Patton  
David Hightower  
Mitch Hawes  
Ray Lunsford  
Anthony England  
Rick Bradley  
Shawn Buckner

Shawn  
Meadows

Dear Ken,

I wanted to take a moment and thank you for the exceptional service that MSD has provided Biltmore. The quality of work, communication, professionalism and care for the Estate has been top-notch. The crews' awareness and understanding of the guests visiting the Estate has truly been appreciated.

Thank you for your continued commitment to Biltmore Estate.

Rick Conard  
VP, Guest Operations Support

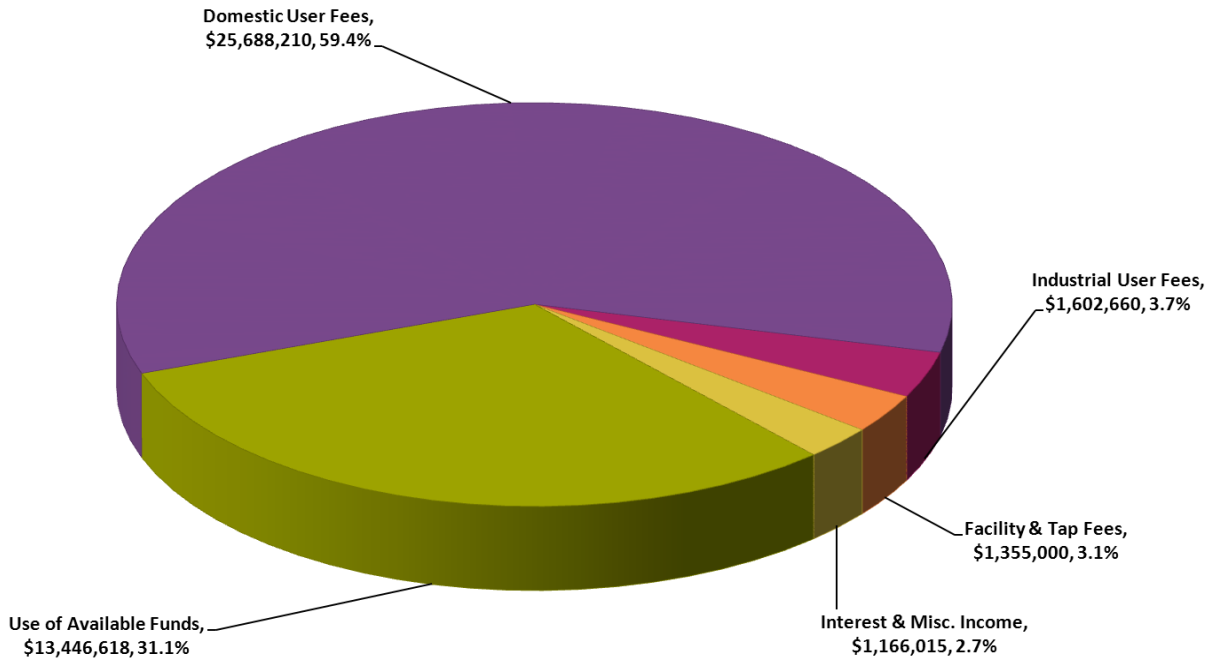
**MSD**  
**FY12 RATE/BUDGET BULLETS**

- Total Budget \$43,258,503(65% Construction related)
  - 1. CIP (Rehab Construction)           \$19,687,776
  - 2. Debt Service                         \$ 8,371,858
  - 3. O&M                                   \$14,330,969
  - 4. Capital Equipment                 \$ 867,900

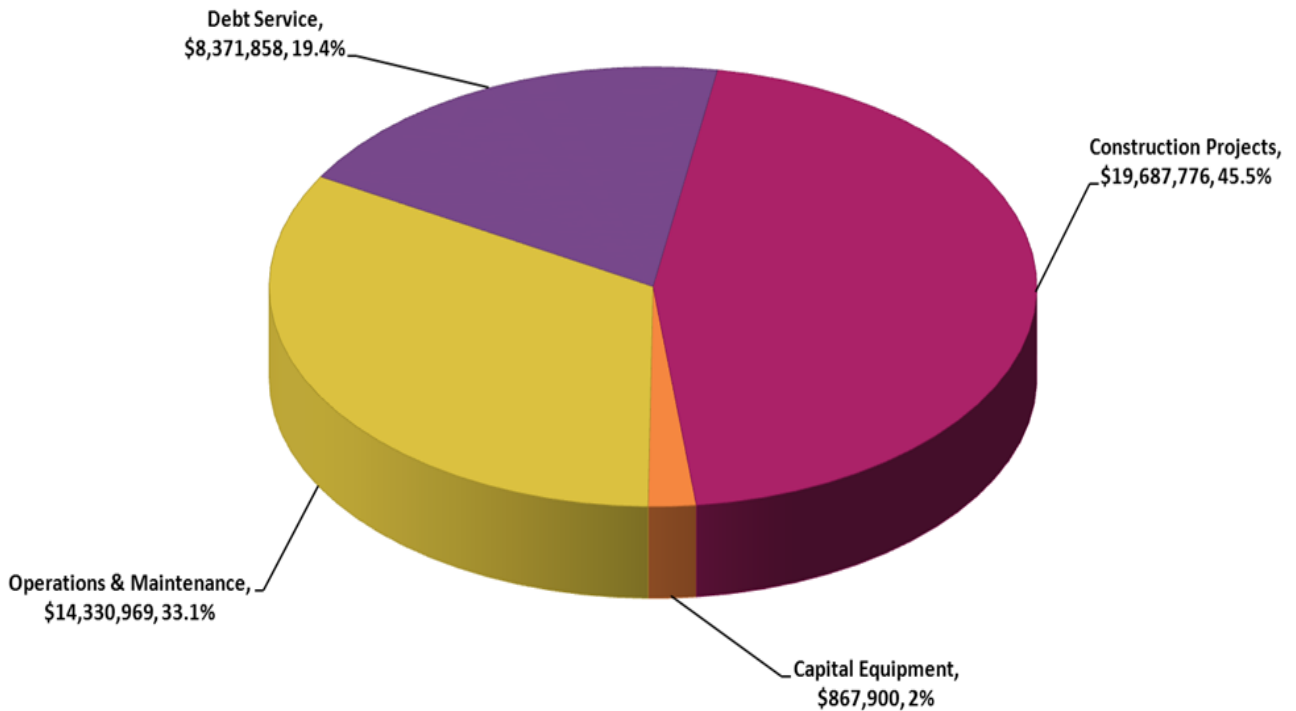
**See graphs other side**
  
- Proposed 3.0% rate increase is required to fund Sewer Main Rehabilitation Construction Program of 250,000 LF/5YR as delineated by the Collection System Permit required by the State DENR.
  - 1. \$19.7 million dollars this year
  - 2. CIP = \$148.6 million over 10 years
  
- The rate adjustment is necessary to fund sewer system rehabilitation and sewer line replacement projects. The District's system consists of approximately 4.5 million feet of 6" to 66" pipe and over 28,000 manholes, much of which was constructed in the 1920's, 30's, and 40's and is in dire need of replacement or rehabilitation. It will be necessary to continue this program to eliminate leaking sewers, overflowing manholes and pollution of our streams, to comply with EPA and NCDENR permit obligations.
  
- O&M budget includes
  - 1. Cost of living increase of 1.5% & 775 LSP per employee
  - 2. Medical Plan funding increase of 7.5%
  - 3. GASB 45 funding of \$211,500
  - 4. 8.4% increase in funding for North Carolina retirement cost. LGERS raised the District's contribution rate from 6.45% to 6.96% of total salary and wages. Over the next six years, contribution rates are projected to increase to an amount slightly over 9%. \$41,394 net impact in the current year.
  
- Average residential monthly bill will go up .73 cents from \$25.72 to \$26.45.
  
- New Residential Facilities Fee will increase from \$2,200 to \$2,500.
  
- Average bill for industrial user to go up 4.1% based upon the 20 year plan approved by the District Board.



**FY 12 Budgeted Revenues**  
**\$43,258,503**



**FY 12 Budgeted Expenditures**  
**\$43,258,503**



# **CONSOLIDATED MOTION AGENDA**

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

**BOARD MEETING DATE:** July 20, 2011

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

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

**SUBJECT:** Sanitary Sewer Rehabilitation Project: Lake Julian Interceptor Phase IV,  
MSD Project No. 2007035

**BACKGROUND:** This project is for the replacement of an aged sanitary sewer interceptor line along the southern boundary of Lake Julian. This is the fourth and final phase of rehabilitation work on the interceptors directly surrounding Lake Julian.

This particular section is actually comprised of two parallel clay lines – a 15-inch and a 10-inch. Both lines are in poor structural condition – containing cracks, offset joints, and areas of inadequate grade. These conditions have contributed to numerous maintenance problems over the years, including Sanitary Sewer Overflows (SSO's). The project is comprised of approximately 1,600 LF of 10-inch through 20-inch DIP.

The contract was advertised and nine bids were received on Thursday, July 7, 2011 at 2:00 PM as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Payne, McGinn & Cummins, Inc.	\$381,083.02
2) Ruby-Collins	\$361,118.00
3) Haywood Grading & Excavating, LLC	\$323,730.00
4) Carolina Specialities	\$316,050.00
5) Huntley Construction Company	\$314,802.70
6) T & K Utilities	\$303,744.00
7) Moore & Sons Site Contractors	\$274,338.35
8) Freestone Construction, LLC	\$257,516.00
<b>9) Terry Brothers Construction Company</b>	<b>\$247,035.00</b>

The apparent low bidder is Terry Brothers Const. Co, with a bid amount of \$247,035.00. Terry Brothers has completed numerous rehabilitation projects for the District, and has performed well to date.

Please refer to the attached documentation for further details.

**FISCAL IMPACT:** The FY11-12 construction budget for this project is \$288,000.00.

**STAFF RECOMMENDATION:** Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$247,035.00, subject to review and approval by District Counsel.


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


**Lake Julian Interceptor Phase IV Sewer Replacement  
Project No. 2007035**

**BID TABULATION  
July 7, 2011**

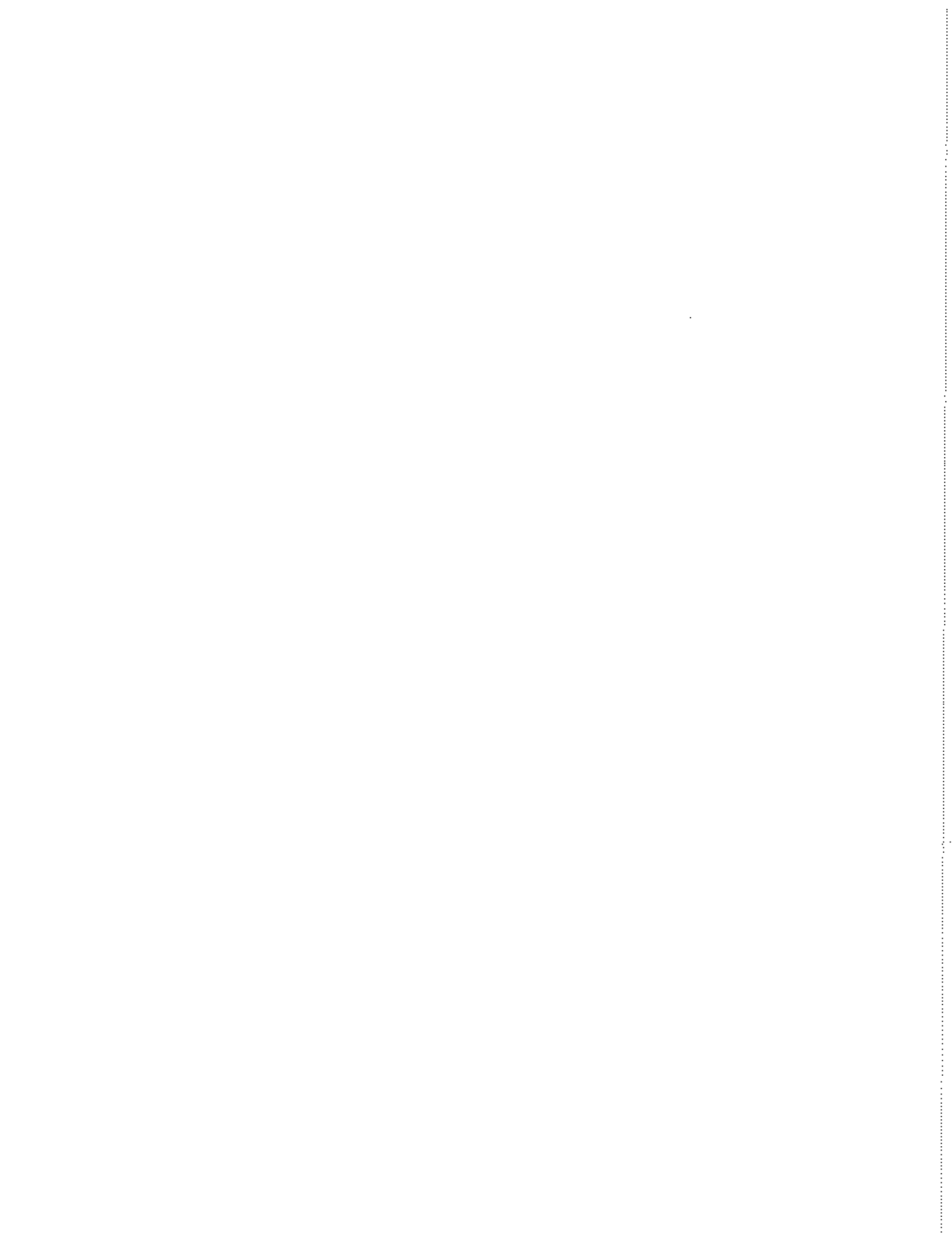
BIDDER	MBE Form	Bid Forms (Proposal)	Total Bid Amount
Payne, McGinn & Cummins Travelers Rest, SC	1	Yes	\$381,083.02
Ruby-Collins, Inc. Smyrna, GA	1	Yes	\$361,118.00
Haywood Grading & Excavating Canton, NC	2	Yes	\$323,730.00
Carolina Specialties Construction Hendersonville, NC	1	Yes	\$316,050.00
Huntley Construction Company Asheville, NC	1	Yes	\$314,802.70
T & K Utilities, Inc. Asheville, NC	1	Yes	\$303,744.00
Moore & Son Site Contractors Mills River, NC	1	Yes	\$274,338.35
Freestone Construction Company Waynesville, NC	1	Yes	\$257,516.00
<b>Ferry Brothers Construction Company Leicester, NC</b>	1	Yes	<b>\$247,035.00</b>

**APPARENT LOW BIDDER**

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



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 7th day of July, 2011, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina. This was an informal bid and no bid bond was required.



## Interoffice Memorandum

**TO:** Tom Hartye, General Manager

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

**DATE:** July 7, 2011

**Re:** Lake Julian Interceptor -- Phase IV, MSD Project Number - 2007035

This project is for the replacement of a portion of an existing sanitary sewer line along the southern side of Lake Julian between the Progress Energy's Electrical Generation Plant and Glen Bridge Road (SR 3495). This line begins at the end of Lake Julian Phase III project (now under construction) and extends south to SR 3553 (Rockwood Road); then along Rockwood Road to the intersection of Rockwood Road and Glen Bridge Road (SR 3495).

This section of MSD's existing sewer system consists of 2 lines (a 15" VCP and a 10" VCP). One manhole in the 15" VCP line has had more SSO's than any other manhole on MSD's system. The existing sewer lines are old vitrified clay lines and are in very poor condition with separated joints, broken pipes and sections where the existing pipe slope is too flat to adequately carry the existing flows. There have been numerous maintenance problems with this line because of varying line diameters and flat grades which have caused backups and overflows.

This portion of MSD's Sewer System has been identified by MSD's System Services Dept. as one of their higher maintenance priorities.

The existing 10" and 15" VCP mains will be replaced with 1340 LF of 20" DIP, 217 LF of 18" DIP and 42 LF of 10" DIP lines. Most of the area served by these lines is already developed and most changes in flow would be from a change in property usage rather than additional development. With the anticipated reduction in I & I (changing from the broken and leaking VCP to new DIP with gasketed joints) and with the limited changes in additional flows, the 20" line should be satisfactory to handle future flows into this system. A portion of the existing 10" main will remain in service but will only serve an existing mobile home park which is presently connected to that line.

Future projects (Bradley Branch Road and Beale Road @ Copney Lane) will eventually connect to the lines to be constructed under the Lake Julian -- Phase IV project. When completed, these lines will greatly reduce the ground water and storm water infiltration into MSD's system and the South French Broad Interceptor line.

Bids were received at 2:00 PM on Thursday, July 7, 2011. Bids were received from nine bidders and the results of those bids are shown below:

<u>Bidder</u>	<u>Bid</u>
1. Payne, McGinn & Cummins, Inc., Travelers Rest, SC	\$381,083.02
2. Ruby-Collins, Smyrna, GA	\$361,118.00
3. Haywood Grading & Excavating, LLC, Canton, NC	\$323,730.00
4. Carolina Specialties, Hendersonville, NC	\$316,050.00
5. Huntley Construction Company, Asheville, NC	\$314,802.70
6. T & K Utilities, Asheville, NC	\$303,744.00
7. Moore & Sons Site Contractors, Mills River, NC	\$274,338.35
8. Freestone Construction, LLC Hazelwood, NC	\$257,516.00
9. <b>Terry Brothers Construction Company, Leicester, NC</b>	<b>\$247,035.00</b>

The above amount is within the budgeted funds of \$288,000.00 allocated for this project.

Staff recommends that this project be awarded to Terry Brother Construction Co of Leicester, NC in the amount of \$247,035.00, subject to review and approval by MSD Legal Counsel.



METROPOLITAN SEWERAGE DISTRICT OF HUNCOMBE COUNTY, NORTH CAROLINA

**CAPITAL IMPROVEMENT PROGRAM**

**BUDGET DATA SHEET - FY 2011 - 2012**

PROJECT:	Lake Julian WW Intake/Ph. 4	LOCATION:	Dancombe Co.	REVIEWED BY:
TYPE:	Wet Weather Int.	DATE OF REPORT:	January-11	ED
PROJECT NO.	2007035	TOTAL L.F.:	1,592	KW
PROJECT BUDGET:	\$307,280.00	PROJECT ORIGIN:	Line Condition & SSO's	AB

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 6/30/10	TOTAL COSTS JULY - DEC 10	EST. COST JAN - JUNE 11	EST. BUDGET FY 11-12
01 - SURVEY / EASEMENT PLATS # PLATS: [ 2 ]	\$3,600.00	\$750.00			
02 - LEGAL FEES	\$1,780.00	\$720.00	\$720.00	\$300.00	
03 - ENGINEERING ASSISTANCE					
04 - ACQUISITION SERVICES					
05 - COMPENSATION	\$5,400.00		\$5,400.00		
06 - APPRAISAL					
07 - CONDEMNATION					
08 - ENVIRONMENTAL SURVEY					
09 - PRELIM. ENG. RFP					
10 - DESIGN / ASSESSMENT SURVEYS	\$5,600.00	\$1,375.00		\$1,000.00	
11 - ENVIRONMENTAL ASSESSMENT					
12 - ARCHAEOLOGICAL					
13 - GEOTECHNICAL					
14 - CONSTRUCTION CONTRACT ADM.					
15 - CONSTRUCTION	\$288,000.00				\$288,000.00
16 - PERMITS	\$1,000.00			\$1,000.00	
17 - PUBLIC MEETINGS					
18 - TESTING	\$2,000.00				\$2,000.00
<b>TOTAL AMOUNT</b>	<b>\$307,280.00</b>	<b>\$2,845.00</b>	<b>\$6,760.00</b>	<b>\$2,300.00</b>	<b>\$290,000.00</b>

ENGINEER:	MSD	ESTIMATED BUDGETS - FY '12-'21	
CONTRACTOR:		FY 12-13	\$3,200.00
CONSTRUCTION ADMINISTRATION:	MSD	FY 13-14	\$0.00
INSPECTION:	MSD	FY 14-15	\$0.00
R.O.W. ACQUISITION:	MSD	FY 15-16	\$0.00
		FY 16-17	\$0.00
PROJECT NOTES:	Phase 2 completed by NCDOT as part of Long Streets Road widening project.	FY 17-18	\$0.00
	Survey costs for this project included in Phase 3	FY 18-19	\$0.00
		FY 19-20	\$0.00
		FY 20-21	\$0.00





**Lake Julian WW Interceptor Phase 4  
Project No. 2007035**

NOT TO SCALE



**METROPOLITAN SEWERAGE DISTRICT**  
of  
SURROGATE COUNTY, NORTH CAROLINA

**Budget Map**



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

**BOARD MEETING DATE:** July 20, 2011

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

**PREPARED BY:** Ed Bradford, P.E. - Director of CIP

**SUBJECT:** West French Broad Master Plan Interceptor - Reimbursement Agreement, MSD Project No. 2011025

**BACKGROUND:** This project is for the installation of a new sanitary sewer interceptor along the French Broad River in Avery Creek. Biltmore Farms, LLC (Biltmore) proposes to install this new 16-inch line in accordance with the District's Collection System Master Plan.

The interceptor will begin at the Clayton Road Pump Station, and extend 7,055 linear feet upstream, almost to Long Shoals Road. It will serve a 61 Acre tract owned by Biltmore, which plans to develop this property for both commercial and residential uses. The preliminary construction cost estimate for the 16-inch line is \$3,194,246.13, which Biltmore will fund.

An 8-inch line would serve Biltmore's needs; however, a 16-inch line will be installed in accordance with the Master Plan. This line therefore qualifies for *Additional Capacity Reimbursement*.

Under *Additional Capacity Reimbursement*, a developer who is required to construct a larger line than necessary for their own development, in order to serve additional areas, is eligible for reimbursement of the increased construction cost. In this case, the increase is \$225,138.49.

In addition, because the new line is an interceptor 12-inches or larger, and also because it will serve upstream properties in the future, District staff will design this line and acquire necessary rights-of-way. Due to the large size of the parcels, there are only four properties to cross, up to Biltmore's property.

Staff will give a brief presentation on this project, and will be available to answer questions. Please refer to the attached documentation for further details.

**FISCAL IMPACT:** The FY11-12 construction reimbursement budget for this project is \$305,000.00. The proposed lump-sum payment of \$225,138.49 will not be issued until the project is fully closed out and accepted by the District Board.

**STAFF RECOMMENDATION:** Staff recommends that the District enter into a reimbursement agreement with Biltmore Farms, LLC, in the amount of \$225,138.49, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

**CAPITAL IMPROVEMENT PROGRAM**

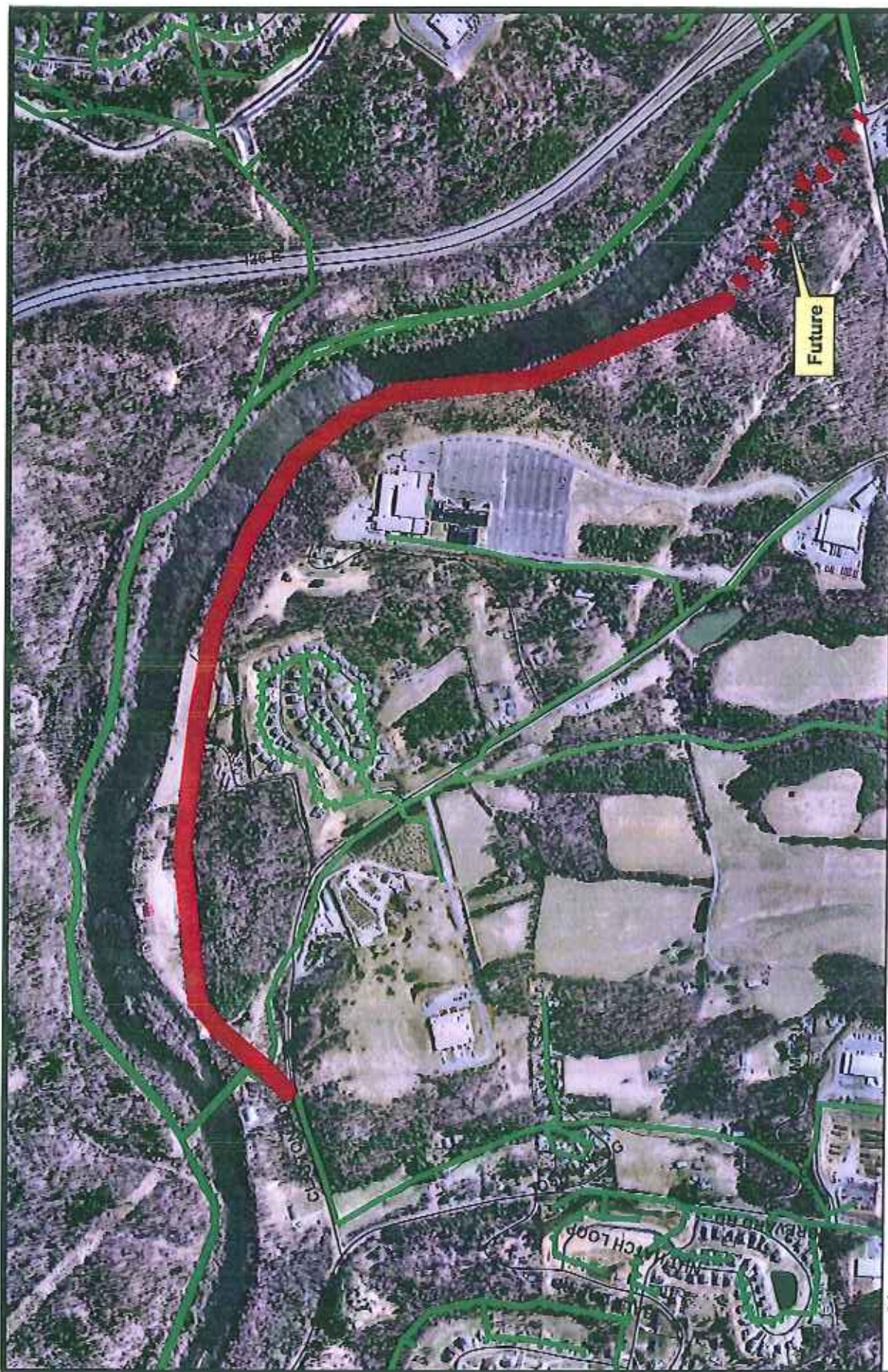
**BUDGET DATA SHEET - FY 2011 - 2012**

PROJECT:	West French Broad Master Plan Int.	LOCATION:	Skyland	REVIEWED BY:
TYPE:	Reimbursement	DATE OF REPORT:	January-11	EB
PROJECT NO.	2011025	TOTAL L.F.:	7,000	JWY
PROJECT BUDGET:	\$438,700.00	PROJECT ORIGIN:	Master Plan	AB

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 6/30/10	TOTAL COSTS JULY - DEC 10	EST. COST JAN - JUNE 11	EST. BUDGET FY 11-12
01 - SURVEY / EASEMENT PLATS # PLATS: [ 5 ]	\$8,700.00			\$8,700.00	
02 - LEGAL FEES	\$7,500.00				\$7,500.00
03 - ENGINEERING ASSISTANCE					
04 - ACQUISITION SERVICES					
05 - COMPENSATION	\$76,000.00				\$76,000.00
06 - APPRAISAL	\$2,000.00				\$2,000.00
07 - CONDEMNATION	\$5,000.00				\$5,000.00
08 - ENVIRONMENTAL SURVEY					
09 - PRELIM. ENG. REP.					
10 - DESIGN / ASBUILT SURVEYS	\$27,000.00			\$27,000.00	
11 - ENVIRONMENTAL ASSESSMENT					
12 - ARCHAEOLOGICAL					
13 - GEOTECHNICAL	\$7,500.00				\$7,500.00
14 - CONSTRUCTION CONTRACT ADM.					
15 - CONSTRUCTION REIMBURSEMENT	\$305,000.00				\$305,000.00
16 - PERMITS	\$500.00				\$500.00
17 - PUBLIC MEETINGS					
18 - TESTING					
<b>TOTAL AMOUNT</b>	<b>\$438,700.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$15,700.00</b>	<b>\$403,000.00</b>

ENGINEER:	MSD	ESTIMATED BUDGETS - FY '12-'21
CONTRACTOR:	TSA by Blumore Park	FY 12-13 \$0.00
CONSTRUCTION ADMINISTRATION:	TQA by Blumore Park	FY 13-14 \$0.00
INSPECTION:	MSD	FY 14-16 \$0.00
R.O.W. ACQUISITION:	MSD	FY 16-26 \$0.00
		FY 16-17 \$0.00
PROJECT NOTES:	Extension project, Reimbursement to Blumore Park for updating line.	FY 17-18 \$0.00
	Federa for line extension not included in total construction budget.	FY 18-19 \$0.00
		FY 18-20 \$0.00
		FY 20-21 \$0.00





**West French Broad Master Plan Interceptor  
Project No. 2011025**

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:** July 20, 2011

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

**PREPARED BY:** John Kiviniemi, Director of Water Reclamation  
Scott Powell, Director of Finance

**SUBJECT: Cooking Oil Recycling Program Grant from Biofuels Center of NC  
FY12 Budget Amendment**

**BACKGROUND:** The Metropolitan Sewerage District (MSD) was the first major purchaser of biodiesel in Buncombe County and has been using biodiesel in its fleet of 85 vehicles for over 7 years. One of the main hurdles to the commercialization of biodiesel in NC is access to cost-effective feedstocks. While most biodiesel producers in the US have shut down in the last year, Blue Ridge Biofuels (BRB) in Asheville, NC have managed to weather the storm by sourcing local waste oils, fats, and greases as feedstocks from the Buncombe County region. Increased access to low-cost, locally-produced feedstocks will allow BRB to increase its biodiesel production while keeping its prices competitive with petroleum, leading to the increased commercialization of biodiesel in NC.

Fats, oils and grease are one of the major causes of costly sewer maintenance in Buncombe County, with many instances occurring in public housing developments within the City of Asheville. In an on-going effort to keep fats, oils & grease out of the sewer, MSD proposed a Cooking Oil Recycling (COR) Program and was awarded a grant in the amount of \$119,675 from the Biofuels Center of North Carolina. This will fund 40 feedstock collection bins made by TLF, Inc. in Asheville and maintained by BRB. The bins will be placed at locations across Buncombe Co., such as housing developments, community centers, recycling centers, and fire stations. It is the hope that this program will increase access to low-cost biodiesel feedstocks in NC and increase biodiesel production. An informational campaign will be launched to educate the public about the program. To facilitate this campaign, a paid intern from Green Opportunities, a green jobs organization that targets underserved populations, will work with MSD to develop and implement a campaign that specifically targets public housing development residents. This program will maintain jobs at Blue Ridge Biofuels and it will also allow BRB to hire a part-time oil truck driver who is a graduate of faith-based community organization ABCCM's Green Jobs Program, a federally-funded program for disadvantage individuals. The program will take approximately one year to implement and once fully established, BRB will continue to maintain the bins and collect the feedstocks while MSD will incorporate the COR Program in its regular community outreach and education efforts.

Due to the uncertainty of the state appropriations for FY12, the Cooking Oil Recycling Program grant was not included in the District's FY12 budget. A budget

amendment is required to account for the grant revenue and associated expenditures (Exhibit 1). MSD will administer the grant without receiving any direct compensation. Monies received should be expended by the end of the District's fiscal year. The grant has no effect on the District's budget due to its pass-thru nature and does not obligate the District for ongoing expenditures in future fiscal periods.

**FISCAL IMPACT:** The FY12 O&M Budget in the revenue fund will be amended to incorporate the subject grant revenue and associated expenditures of \$119,675.00 for implementation of the cooking oil recycling program (Exhibit 1). The grant has no effect on the District's budget due to its pass-thru nature.

**STAFF RECOMMENDATION:** Approve the required budget amendment to facilitate implementation of the subject cooking oil recycling program with the grant funds provided from the Biofuels Center of North Carolina.

BOARD ACTION TAKEN	
Motion by:	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	



# EXHIBIT 1

**AMENDMENT TO BUDGET AND SEWER USE CHARGES  
FOR THE  
METROPOLITAN SEWERAGE DISTRICT  
OF BUNCOMBE COUNTY, NORTH CAROLINA  
FOR THE FISCAL YEAR JULY 1, 2010 THRU JUNE 30, 2011**

**WHEREAS**, the Board of Directors of the Metropolitan Sewerage District of Buncombe County, North Carolina, that the following amendment be made to the budget and sewer use charges resolution for the fiscal year beginning July 1, 2011 and ending June 30, 2012:

**NOW, THEREFORE, BE IT RESOLVED:**

1. To amend the appropriation in the Revenue Fund for the Operations and Maintenance of the District as follows:

Increase	
Grant Expenditures	<u>\$ 119,675</u>

2. To amend the estimated revenue in the Revenue Fund for the Operations and Maintenance of the District as follows:

Increase	
Grant Revenues	<u>\$ 119,675</u>

3. That this resolution shall be entered in the minutes of the District and copies thereof are ordered to be filed with the Finance and Budget Officer and Secretary of the Board as required by G.S. 159-15.

Adopted this 20<sup>th</sup> day of July 2011

\_\_\_\_\_  
Steven T. Aceto, Chairman  
Metropolitan Sewerage District of  
Buncombe County, North Carolina

Attest:

\_\_\_\_\_  
Jackie Bryson  
Secretary/Treasurer

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

**Meeting Date:** July 20, 2011

**Submitted By:** Ken Stines; System Services Division  
Peter Weed; Director, Administration Division  
Neil Hall; Fleet Manager  
Julie Willingham, CLGPO; Purchasing Supervisor

**Reviewed By:** Billy Clarke; District Counsel  
Scott Powell, CLGFO; Director Finance

**Subject:** Sole Source Purchase and Installation of Closed Circuit Television Equipment

**Background:** System Services has an on-going sewer line evaluation program utilizing truck mounted Closed Circuit Television Inspection vehicles. MSD currently uses two CCTV inspection vehicles to inspect the condition of sewer lines, digitally record the video, and store data on MSD servers. Video inspection plays a major role in MSD's pipe rating program, locating problems and potential problems, SSO evaluations, and asset management. The purchase of this system is to replace an older van-mounted CCTV inspection system purchased in 2003. In October of 2008, MSD solicited bids for a new CCTV system to replace a 1999 van-mounted system. Southern Municipal Equipment, as the authorized distributor for Cues, Inc. equipment, was the low bidder and chosen by staff to replace that system. A primary overriding concern for the proposed new CCTV system is that it be standardized and compatible with MSD's existing equipment.

**Discussion:** The Cues CCTV system currently being used throughout the district is of proprietary design and, in order to provide compatibility with existing equipment and software, must be purchased through Southern Municipal Equipment on a sole source basis.

**Fiscal Impact:** The cost of the system is \$128,995.00. Funds are budgeted in the Fleet Replacement Fund.

**Staff Recommendation:** Staff recommends that the contract with Southern Municipal be awarded.

<b>Board Action Taken</b>		
Motion by:	to	<input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:		<input type="checkbox"/> Table <input type="checkbox"/> Send to Committee
Other:		
Follow-up required:		
Person responsible:		Deadline:

**ROBERTS  
&  
STEVENS**  
ATTORNEYS AT LAW

JOHN S. STEVENS  
JAMES W. WILLIAMS  
JOHN W. MASON  
MARC RUDOW  
SHERYL H. WILLIAMS  
WILLIAM CLARKE  
VINCENT D. CHILDRESS, JR.  
MARJORIE ROWE MANN\*  
GREGORY D. HUTCHINS  
JACKSON D. HAMILTON  
WYATT S. STEVENS  
MARK C. KURDYS\*  
JACQUELINE D. GRANT  
PATSY BRISON\*

\*DRC CERTIFIED MEDIATOR

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DAVID L. ENGLISH  
CYNTHIA S. GRADY  
F. LACHICOTTE "LACH" ZEMP, JR.  
KENNETH R. HUNT  
DENNIS L. MARTIN, JR.  
KEVIN P. KOPP  
M. FRANCES DURDEN  
REBECCA JOHNSTON REINHARDT  
ANN-PATTON HORNTAL  
STEPHEN L. CASH  
TONI J. GRACE

LONDON ROBERTS  
(1921-2007)

June 23, 2011

Ms. Julie Willingham  
MSD  
2028 Riverside Drive  
Asheville, NC 28804

*Re: Purchase of CCTC Vehicle Mounted Unit*


Dear Julie:

You have asked for this firm's opinion as to whether or not MSD may purchase a CUES CCTV vehicle mounted unit from Southern Municipal Equipment Company without advertising for bids as required by G.S. 143-129. It is my understanding the overriding consideration for the District in making this purchase is standardization and compatibility with an existing CUES CCTV vehicle mounted unit currently owned and operated by the District. Having a compatible unit will allow the District to use equipment and software interchangeably between the two units. It is also my understanding that the CUES equipment is available only from Southern Municipal Equipment in North and South Carolina.

G.S. 143-129 allows units of local government to purchase equipment (with an estimated price in excess of \$90,000) without advertising for bids when a needed product is available only from one source of supply or standardization or compatibility is the overriding consideration. Based on the information you have provided, I am of the opinion that the District may proceed with this purchase without advertisement. The MSD Board must approve the purchase prior to the award of a contract. Please let me know if you have questions.

Sincerely,

ROBERTS & STEVENS, P.A.

  
William Clarke

BC/sh

# Metropolitan Sewerage District of Buncombe County

## BOARD INFORMATIONAL ITEM

**Meeting Date:** July 20, 2011  
**Submitted By:** Thomas E. Hartye, PE., General Manager  
**Prepared By:** W. Scott Powell, CLGFO, Director of Finance  
**Subject:** Cash Commitment/Investment Report-Month Ended May 31, 2011

### **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 May 31, 2011 were \$46,593,027. The detailed listing of accounts is available upon request. The average rate of return for all investments is 1.090%. 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 May 31, 2011 does not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of May 31, 2011 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$23,854,433.

<b>Total Cash &amp; Investments as of 05/31/2011</b>	46,593,027
<b>Less:</b>	
Budgeted Commitments (Required to pay remaining FY11 budgeted expenditures from unrestricted cash)	
Construction Funds	(8,310,084)
Operations & Maintenance Fund	(2,336,119)
	(10,646,203)
Bond Restricted Funds	
Bond Service (Funds held by trustee):	
Funds in Principal & Interest Accounts	(105,098)
Debt Service Reserve	(2,649,158)
Remaining Principal & Interest Due	(6,007,685)
	(8,761,941)
District Reserve Funds	
Fleet Replacement	(549,817)
WWTP Replacement	(822,481)
Maintenance Reserve	(813,685)
	(2,185,983)
Post-Retirement Benefit	(652,122)
Self-Funded Employee Medical	(492,345)
<b>Designated for Capital Outlay</b>	<b>23,854,433</b>

### **Staff Recommendation**

None. Information Only.

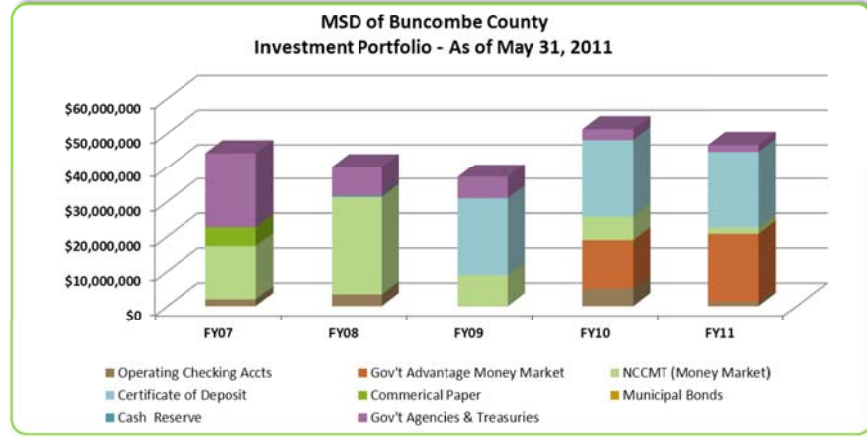
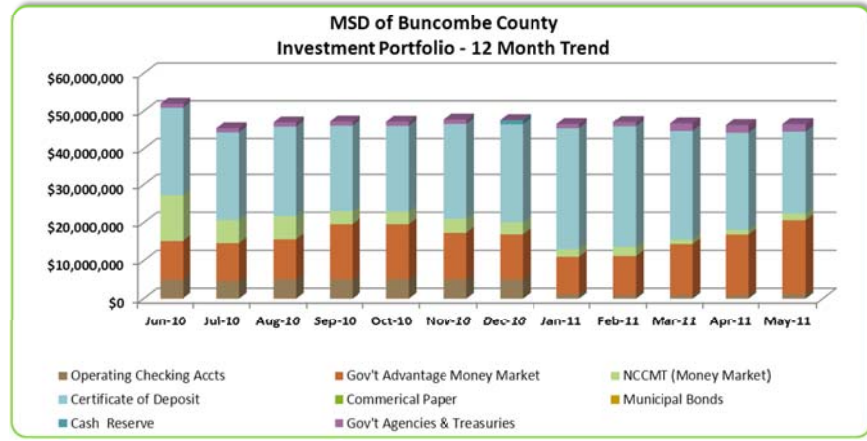
### **Action Taken**

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

### Metropolitan Sewerage District of Buncombe County Investment Portfolio

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Municipal Bonds	Cash Reserve	Gov't Agencies & Treasuries	Total
<b>Held with Bond Trustee</b>	\$ -		\$ 718,629				\$ -	\$ 2,035,627	\$ 2,754,256
<b>Held by MSD</b>	1,253,725	19,425,828	1,022,367	22,136,852	-	-		-	43,838,771
	<u>\$ 1,253,725</u>	<u>\$ 19,425,828</u>	<u>\$ 1,740,996</u>	<u>\$ 22,136,852</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,035,627</u>	<u>\$ 46,593,027</u>

<u>Investment Policy Asset Allocation</u>	<u>Maximum Percent</u>	<u>Actual Percent</u>	
U.S. Government Treasuries,			
Agencies and Instrumentalities	100%	4.37%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	47.51%	The District 's YTM of .99% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
Commercial Paper	20%	0.00%	
North Carolina Capital Management Trust	100%	3.74%	
Checking Accounts:	100%		All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Operating Checking Accounts		2.69%	
Gov't Advantage Money Market		41.69%	



**Board Meeting**

July 20, 2011

Subject: Cash Commitment/Investment Report-Month Ended May 31, 2011

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**METROPOLITAN SEWERAGE DISTRICT  
INVESTMENT MANAGERS' REPORT  
AT MAY 31, 2011**

**Summary of Asset Transactions**

	<b>Original</b>		<b>Interest</b>
	<b>Cost</b>	<b>Market</b>	<b>Receivable</b>
Beginning Balance	\$ 42,423,283	\$ 42,423,283	\$ 203,114
Capital Contributed (Withdrawn)	(91,081)	(91,081)	
Realized Income	31,198	31,198	(23,876)
Unrealized/Accrued Income	-	-	31,266
Ending Balance	<u>\$ 42,363,400</u>	<u>\$ 42,363,400</u>	<u>\$ 210,504</u>

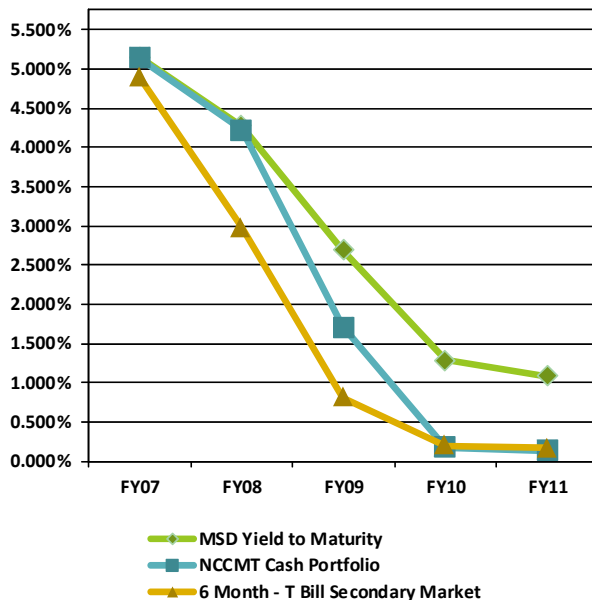
**Value and Income by Maturity**

	<b>Original Cost</b>		<b>Income</b>	
Cash Equivalents <91 Days	\$ 20,226,548	\$ 18,424		
Securities/CD's 91 to 365 Days	22,136,852	\$ 20,164		
Securities/CD's > 1 Year	-	\$ -		
	<u>\$ 42,363,400</u>	<u>\$ 38,588</u>		

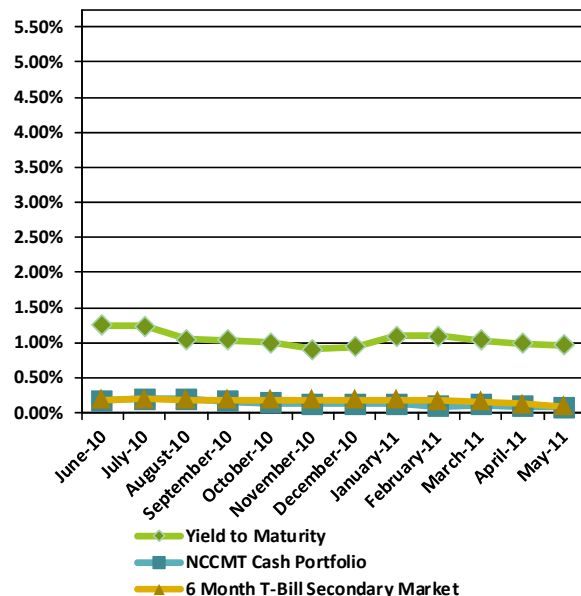
**Month End Portfolio Information**

Weighted Average Maturity	312 Days
Yield to Maturity	0.96%
6 Month T-Bill Secondary Market	0.09%
NCCMT Cash Portfolio	0.08%

**Metropolitan Sewerage District  
Annual Yield Comparison**



**Metropolitan Sewerage District  
Yield Comparison - May 31, 2011**



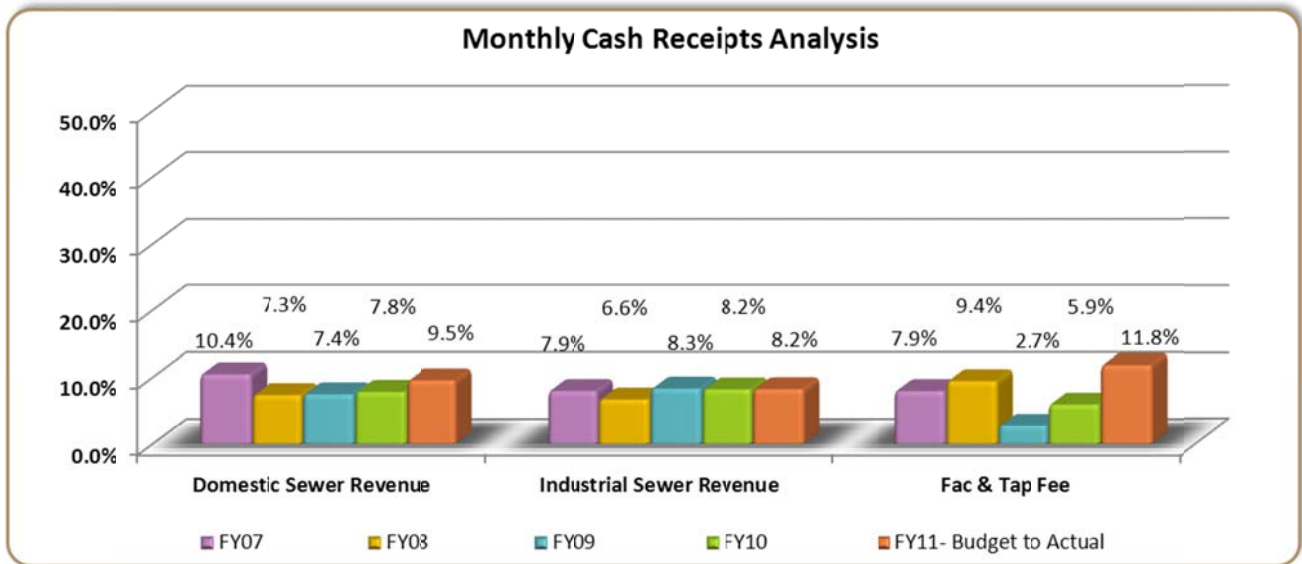
**Board Meeting**

July 20, 2011

Subject: Cash Commitment/Investment Report-Month Ended May 31, 2011

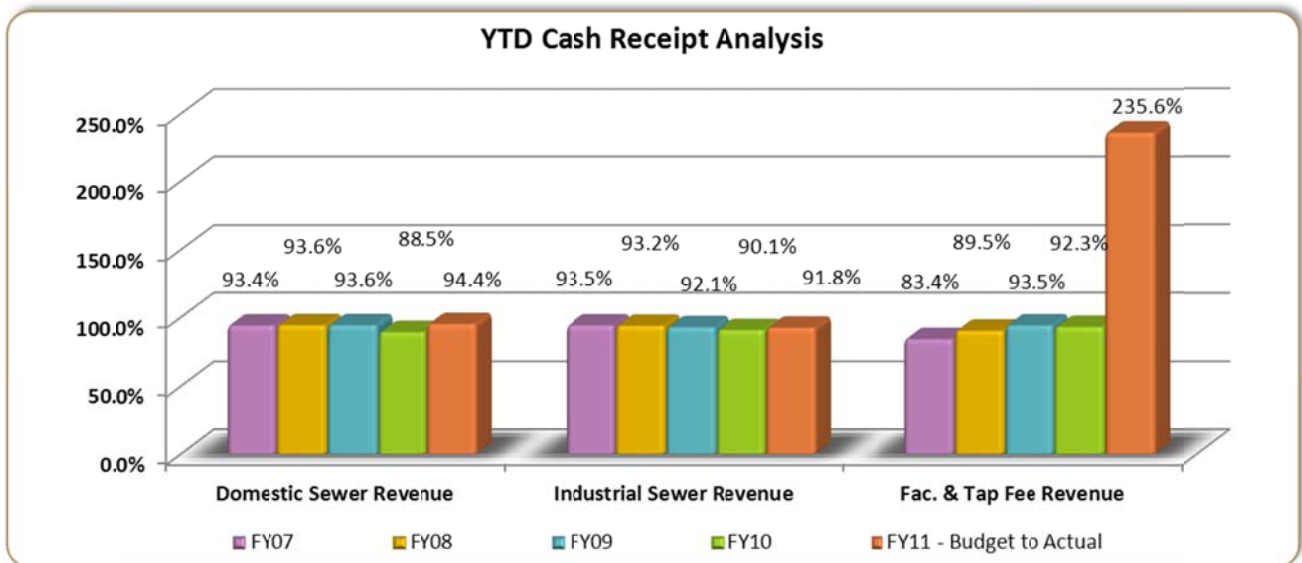
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**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF CASH RECEIPTS  
AS OF MAY 31, 2011**



**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 considered 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 considered reasonable based on historical trends.
- ✦ YTD facility and tap fee is higher due to two unexpected developments.



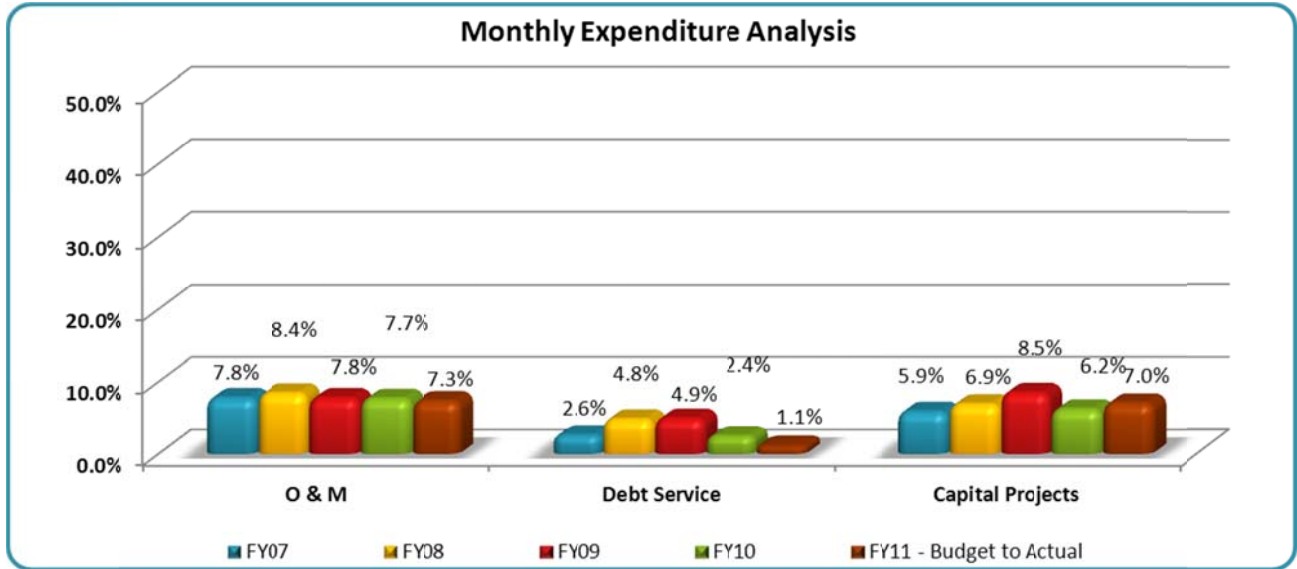
**Board Meeting**

July 20, 2011

Subject: Cash Commitment/Investment Report-Month Ended May 31, 2011

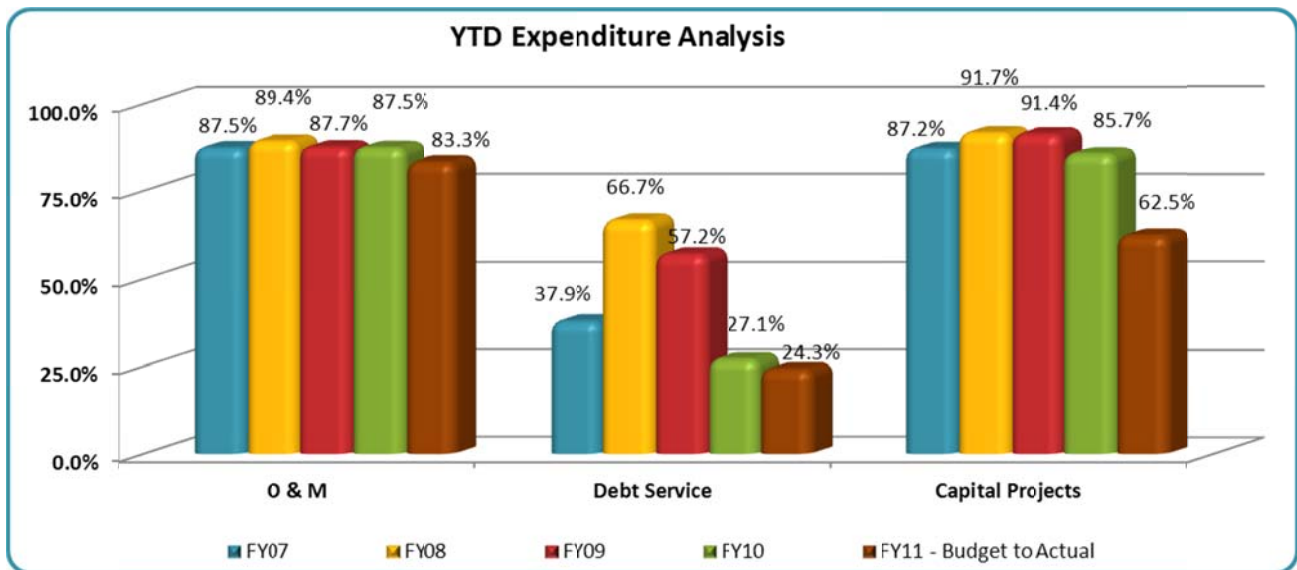
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**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF EXPENDITURES  
AS OF MAY 31, 2011**



**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 consider 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 consider 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 consider reasonable.

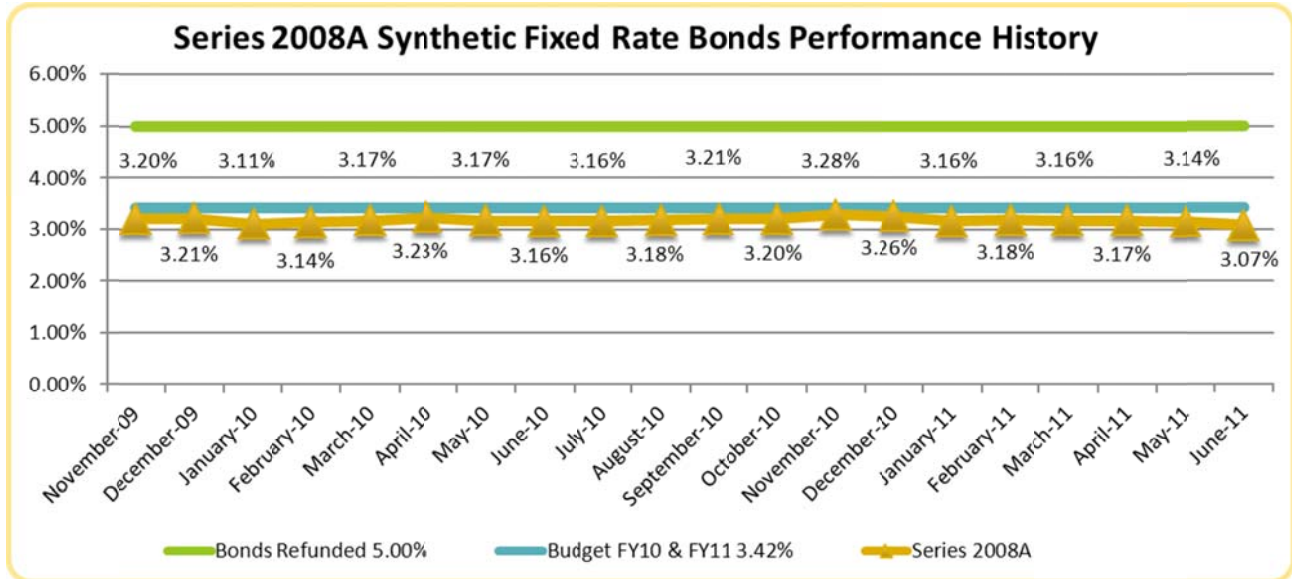
**Board Meeting**

July 20, 2011

Subject: Cash Commitment/Investment Report-Month Ended May 31, 2011

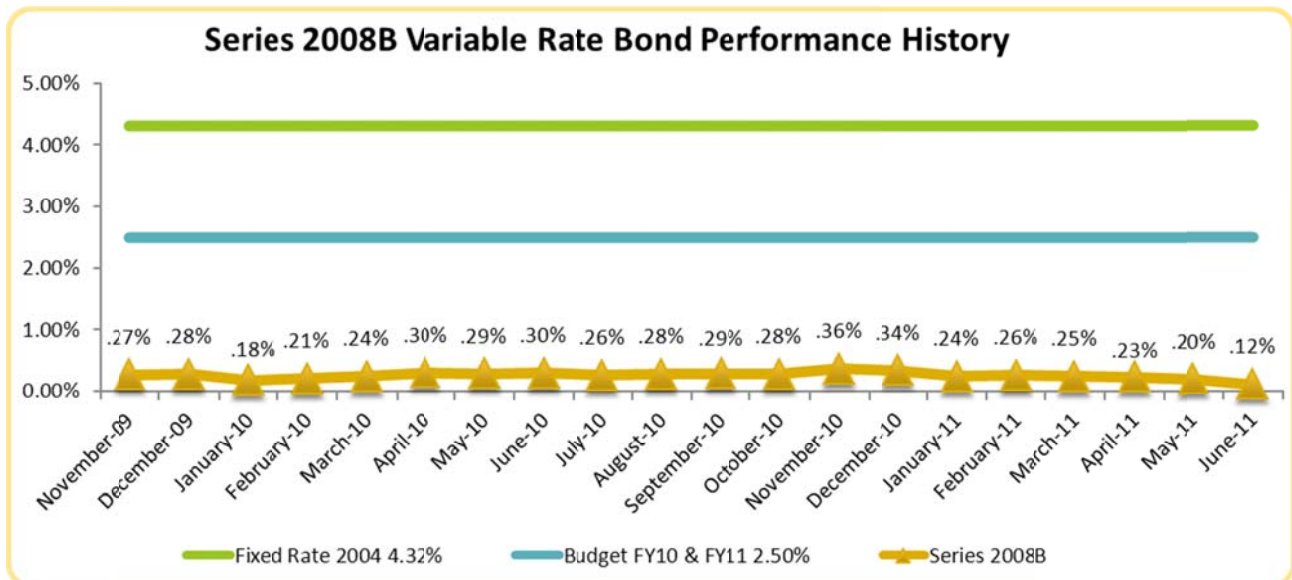
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**METROPOLITAN SEWERAGE DISTRICT  
Variable Debt Service Report  
As of June 30, 2011**



**Series 2008A:**

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$1,671,758 as compared to 4/1 fixed rate of 4.83%.
- Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 4.0675%, MSD will achieve cash savings of \$3,503,702 over the life of the bonds.
- MSD would pay \$3,915,000 to terminate the existing Bank of America Swap Agreement.



**Series 2008B:**

- Savings to date on the 2008B Variable Rate Bonds is \$2,421,936 as compared to 5/1 fixed rate of 4.32%.
- Since May 1, 2008, the Series 2008B Bonds average variable rate has been 0.69%.
- MSD will achieve \$8,595,000 in cash savings over the life of the bonds at the current average variable rate.

# **STATUS REPORTS**

**CAPITAL IMPROVEMENT PROGRAM**

**STATUS REPORT SUMMARY**

**July 13, 2011**

PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
HEYWOOD ROAD INTERCEPTOR PHASE II	T & K Utilities	3/16/2011	4/20/2011	7/31/2011	\$247,095.00	75%	<b>Informal</b> Mainline construction complete on downstream side of Heywood Road; working on upstream section.
LAKE JULIAN INTERCEPTOR PHASE III	Ruby-Collins	10/20/2010	11/1/2010	11/1/2011	\$2,750,059.43	75%	<b>Formal</b> Mainline construction inside Progress Energy plant proper is nearing completion. Proposed re-alignment for 8" high pressure gas line being considered.
LAKE JULIAN INTERCEPTOR PHASE IV	TBA	TBA	TBA	TBA	TBA	0%	<b>Informal</b> Bids were opened on July 7th. Terry Brothers is the apparent low bidder.
LAUREL LANE - BLACK MOUNTAIN ANNEXATION	T & K Utilities	3/1/2011	3/14/2011	7/31/2011	\$108,205.00	98%	<b>Informal</b> Awaiting final punch list.
MORRIS STREET @ TALMADGE STREET	Terry Brothers	6/9/2010	7/21/2010	Dependent on COA	\$368,972.50	100%	<b>Formal</b> Project is complete and in close out.
OLD HOME RD. @ WEAVERVILLE HWY. (PRP64001)	Terry Brothers	2/16/2011	3/3/2011	8/30/2011	\$372,301.00	90%	<b>Informal</b> Mainline and services are complete; ready for paving.
ROCKDALE AVENUE (PRP 29003)	Buckeye Construction	11/17/2010	2/1/2011	7/31/2011	\$408,486.05	80%	<b>Formal</b> River crossing is complete. Line B construction is in progress.
ROLLINGWOOD ROAD	TBA	TBA	TBA	TBA	TBA	0%	<b>Informal</b> Project is scheduled for bid on August 4th.
TOWN BRANCH INTERCEPTOR PHASE II	Moore and Son	6/15/2011	7/18/2011	1/14/2012	\$511,753.30	0%	<b>Formal</b> Project was awarded to Moore and Son Site Contractors. A preconstruction meeting is scheduled for July 13th.
U.S. HWY. 70 @ PARKWAY	Terry Brothers	11/17/2010	1/17/2011	7/31/2011	\$636,244.00	65%	<b>Formal</b> Contractor is currently doing restoration at Reddick Road and south entrance to parkway. They are preparing to mobilize to the western end of the parkway.
WELLINGTON DRIVE USR	Payne, McGinn & Cummins	3/16/2011	4/18/2011	7/31/2011	\$144,118.24	90%	<b>Informal</b> Mainline construction is complete; ready for paving and final clean up.
WRF - FINAL MICROSCREEN REPLACEMENT	Hickory Construction	10/20/2010	1/3/2011	4/2/2012	\$8,937,108.20	25%	<b>Formal</b> Demolition complete. New concrete work has begun.
WRF - INTERMEDIATE PUMPING REPLACEMENT	Hickory Construction	7/15/2009	8/19/2009	7/30/2011	\$1,754,675.22	99%	<b>Formal</b> Contractor working on last items of punchlist.

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

Planning and Development Projects Status Report  
July 20, 2011

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	Gene Bradley Subdivision	2004022	Fletcher	9	420	3/3/2005	Complete-Waiting on final documents
	Davidson Road Sewer Extension	2004154	Asheville	3	109	12/15/2004	Complete-Waiting on final documents
	Riverbend Urban Village	2004206	Asheville	260	1250	8/29/2006	Complete-Waiting on final documents
	N. Bear Creek Road Subdivision	2005137	Asheville	20	127	7/11/2006	Complete - Waiting on final documents
	Willowcreek Village Ph.3	2003110	Asheville	26	597	4/21/2006	Complete - Waiting on final documents
	Rock Hill Road Subdivision	2005153	Asheville	2	277	8/7/2006	Complete - Waiting on final documents
	Byrd Street Condos	2007085	Asheville	14	300	7/31/2007	Complete - Waiting on final documents
	MWB Sewer Extension	2008046	Asheville	Comm.	285	5/12/2008	Complete - Waiting on final documents
	The Cottages on Liberty Green	2007297	Asheville	7	124	5/30/2008	Complete - Waiting on final documents
	Haw Creek Tract	2006267	Asheville	49	1,817	10/16/2007	Complete - Waiting on final documents
	Haywood Village	2007172	Asheville	55	749	7/15/2008	Complete - Waiting on final documents
	Oak Crest Place	2004056	West Asheville	27	791	12/3/2004	Complete - Waiting on final documents
	Buncombe County Animal Shelter	2007216	Asheville	Comm.	78	5/1/2008	Complete - Waiting on final documents
	Lodging at Farm (Gottfried)	2008169	Candler	20	45	6/2/2009	Complete - Waiting on final documents
	Camp Dorothy Walls - Ph. 1	2007294	Black Mtn.	Comm.	593	6/16/2009	Complete - Waiting on final documents
	Momentum Health Adventure	2008097	Asheville	Comm.	184	8/19/2009	Complete - Waiting on final documents
	North Point Baptist Church	2008105	Weaverville	Comm.	723	5/20/2009	Complete - Waiting on final documents
	Craggy Street	2011001	Black Mtn.	4	205	5/3/2011	Complete - Waiting on final documents
	The Villages at Crest Mountain	2009049	Asheville	63	1,364	9/9/2009	Complete - Waiting on final documents
	Lutheridge - Phase I	2009112	Arden	Comm.	330	3/16/2010	Complete-Waiting on final documents
	Brookgreen Phase I	2010045	Asheville	44	1,302	9/27/2010	Complete, awaiting closeout documents
	Black Mtn Annex: Blue Ridge Rd.	1992171	Black Mtn.	24	2,560	8/19/2010	Complete, waiting final documents
	AVL Technologies	2010018	Woodfin	Comm.	133	5/21/2010	Complete-Waiting on final documents
	Graylyn Hills	2008108	Asheville	4	176	2/12/2010	Complete-Waiting on final documents
	Ridgefield Business Park	2004188	Asheville	18	758	2/16/2005	Complete-Waiting on final documents

<b>Subtotal</b>	605	15,297
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Planning and Development Projects Status Report  
July 20, 2011

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	Brookgreen at Crest Mtn. - Phase II	2011019	Woodfin	29	1,567	3/28/2011	Punchlist pending
	The Settings (6 Acre Outparcel)	2004192	Black Mountain	21	623	3/15/2006	Ready for final inspection
	Falcon Ridge	2004240	Asheville	38	3,279	10/11/2006	Punchlist pending
	Waightstill Mountain PH-8	2006277	Arden	66	3,387	7/26/2007	testing / in foreclosure
	CVS	2010036	Swannanoa	Comm.	435	2/7/2011	Installing
	Emergency Services Training Center	2009027	Woodfin	Comm.	2,512	2/7/2011	Installing
	Brookside Road Relocation	2008189	Black Mtn	n/A	346	1/14/2009	Pre-con held, ready for construction
	Scenic View	2006194	Asheville	48	534	11/15/2006	Ready for final inspection
	Ingles	2007214	Black Mtn.	Comm.	594	3/4/2008	Ready for final inspection
	Bartram's Walk	2007065	Asheville	100	10,077	7/28/2008	testing
	Morgan Property	2008007	Candler	10	1,721	8/11/2008	Pre-con held, ready for construction
	Village at Bradley Branch - Ph. III	2008076	Asheville	44	783	8/8/2008	Ready for final inspection
	Versant Phase I	2007008	Woodfin	64	12,837	2/14/2007	testing
	Canoe Landing	2007137	Woodfin	4	303	5/12/2008	Ready for construction
	Central Valley	2006166	Black Mtn	12	472	8/8/2007	Punchlist pending
	CVS-Acton Circle	2005163	Asheville	4	557	5/3/2006	Ready for final inspection
	Hamburg Mountain Phase 3	2004086	Weaverville	13	844	11/10/2005	Ready for final inspection
	Bostic Place Sewer Relocation	2005102	Asheville	3	88	8/25/2005	Ready for final inspection
	Kyfields	2003100	Weaverville	35	1,118	5/10/2004	Ready for final inspection
	Thom's Estate	2006309	Asheville	40	3,422	1/24/2008	testing
	Thom's Estate - Phase II	2008071	Asheville	40	3,701	2/9/2011	Redesign
	Berrington Village Apartments	2008164	Asheville	308	4,690	5/5/2009	Testing
	Cottonwood Townhomes	2009110	Black Mtn.	8	580	10/20/2009	Installing
	Mission Hospitals (Victoria Road)	2009022	Asheville	Comm.	532	2/12/2010	Installing
	Weaver Village	2008054	Weaverville	Comm.	1600	5/31/2011	Installing
	Woodbriar Subdivision	2009004	Weaverville	72	3,888	8/2/2010	Ready for final inspection
	Westmore	2009004	Asheville	72	675	8/3/2010	Installing
	Camp Dorothy Walls - Ph. 2	2007294	Black Mtn.	Comm.	593	6/16/2009	Pre-con held, ready for construction
	South Buncombe Intermediate Sch.	2009065	Arden	Comm.	1,656	6/7/2010	Installing
	Black Mtn Annex: Avena Rd.	1999026	Black Mtn.	24	4,300	8/19/2010	Installing
	Richlyn Tract	2010009	Asheville	6	586	6/28/2011	Installing
	Black Mtn Annex: McCoy Cove	1992174	Black Mtn.	24	2,067	8/19/2010	Installing
			Subtotal	1975	98,181		
			Total Units:	2,580			
			Total LF:		113,478		