

State Water Infrastructure Authority

Meeting Date: July 20, 2016

Agenda Item J.1

Funding Decisions for Clean Water State Revolving Funds for April 29, 2016 Application Round

Division of Water Infrastructure Staff Report

Background:

North Carolina General Statute G.S. 159G-71 contains the powers and the duties of the State Water Infrastructure Authority (Authority) which include the following:

- Review recommendations for grants and loans submitted to it by the Division of Water Infrastructure
- Determine the rank of applications
- Select the applications that are eligible to receive grants and loans

On April 29, 2016, the Division received applications for funding for the Clean Water State Revolving Fund (CWSRF) loan program. Division staff first determined if each application was complete and was eligible for funding under the program for which it was submitted. Then, Division staff reviewed and ranked each complete, eligible application.

Staff prepared the spreadsheets for Agenda Item J.1 which contain summarized information about the applications along with points verified by staff.

Staff Recommendation:

Based upon the use of the CWSRF Priority Rating System for each application, staff recommends that the Authority approve the rank of the following 16 applications as eligible to receive a CWSRF loan:

Project No.	Applicant Name	Project Name	Engineering Firm	Funding Amount
1	Lake Lure, Town of	Greenline	Brown Consultants	\$12,580,261
2	Albemarle, City of	Sanitary Sewer Rehabilitation, Phase 2 & WWTP Rehabilitation	LKC Engineering, PLLC	\$4,384,000
3	Lumberton, City of	Sanitary Sewer Collection System Rehabilitation, 2016 Priority Repairs	The Wooten Company	\$1,000,000
4	Charlotte, City of/ Charlotte Water	Sugar Creek WWTP Reliability Improvements Project	Charlotte Water	\$20,881,929
5	Cape Fear Public Utility Authority	Air Relief Valve Replacement	Cape Fear Public Utility Authority	\$2,046,200
6	Cape Fear Public Utility Authority	Southside WWTP Interim Rehabilitation	Cape Fear Public Utility Authority	\$6,158,625
7	Goldsboro, City of	Phase 4 Sewer Collection Rehabilitation Project	Goldsboro, City of	\$6,268,382
8	Mocksville, Town of	Dutchman's Creek WWTP Renovation	Willis Engineers, Inc.	\$3,000,000
9	Raleigh, City of PUD	Neuse River RRF Bioenergy Recovery Program (Anaerobic Digester Project)	Hazen and Sawyer	\$50,000,000

10	Hendersonville, City of	Multi-area Streambank Restoration Project	Hendersonville, City of	\$2,982,484
11	Cape Fear Public Utility Authority	PS 137 Quail Woods Elimination	Cape Fear Public Utility Authority	\$461,950
12	Johnston County	Swift Creek Interceptor	Johnston County Public Utilities	\$1,675,000
13	Taylorsville, Town of	Taylorsville WWTP Renewable Energy Project	Municipal Engineering Services Company, PA	\$306,500
14	Cape Fear Public Utility Authority	Pump Station 10 Force Main Replacement	Cape Fear Public Utility Authority	\$3,923,500
15	Cape Fear Public Utility Authority	Pump Station 12 Force Main Replacement	Cape Fear Public Utility Authority	\$1,766,000
16	Cape Fear Public Utility Authority	Greenfield Lake Outfall Phase 3 Sewer Replacement	Cape Fear Public Utility Authority	\$344,451
Total CWSRF:				\$117,779,282

A total of 2 applications that were submitted were determined to be ineligible to receive funding. The Davie County application indicated a transfer from the enterprise fund that was not in compliance with G.S. 159G-37(b). The Town of Louisburg application is not eligible for the SRF program due to work being conducted for a privately owned wastewater treatment facility.

State Water Infrastructure Authority
Meeting Date: July 20, 2016
Agenda Items J.2, J.3, and J.4
Funding Decisions for State Reserve Projects for April 29, 2016 Application Round

Division of Water Infrastructure Staff Report

A. Background

The Authority recommended several changes to NCGS 159G in its first annual report to the General Assembly, that represented a fundamental change in NC water infrastructure grant programs. The focus of the changes was to direct grants to applications that demonstrate the most economic distress and the highest rates. In addition, two new grants were created to assist water utilities in becoming more proactive in the management of their systems. These are the Asset Inventory and Assessment (AIA) grants and the Merger / Regionalization Feasibility (MRF) grants.

For the April 29, 2016 funding round, the Division received the following complete, eligible applications:

State Reserve Project Application Type	No. of Complete, Eligible Applications	Sum of Funds Requested in Complete, Eligible Applications
Drinking Water State Reserve (DWSR) Projects	4	\$7,203,328
Wastewater State Reserve (WWSR) Projects	13	\$26,845,884
Asset Inventory and Assessment (AIA) – Both Water and Sewer	182	\$19,974,375
Merger / Regionalization Feasibility (MRF) – Both Water and Sewer	10	\$490,000
Totals:	209	\$54,513,587

There is a total of \$7.4 million available from appropriations for the 2015-2016 fiscal year. In addition, the General Assembly made additional funds available by allowing the Division to move excess matching funds not needed for the Clean Water State Revolving Fund and Drinking Water State Revolving Fund into the state reserve for grants. This, in addition to reconciliation of other grant projects, makes \$8.69 million available for this funding round. Note that funding totals in this summary do not include funds that are designated to certain projects via special provisions in the budget.

Note that next fiscal year (SFY16-17), there will be substantially more funds available to the reserve programs with an increase in appropriations (total of just over \$17 million), additional transfers from unneeded SRF matches (SRF capitalization grant awards anticipated in July or August), and more significantly, the Connect NC bonds funds.

B. Potential Scenarios for \$8.69 Million in State Grants

This staff report presents four examples of potential scenarios for project funding; there are a number of other scenarios which could also be constructed. Each example includes significant funding for the MRF and AIA grants as these represent the shift toward assisting utilities in taking steps to become more proactive in their approach to utility management. However, there are not sufficient funds available to fund all of the MRF and AIA grant applications. Since there are many fewer MRF applications, each example includes funding all complete, eligible MRF applications.

Note that in the four example scenarios presented, funding for Drinking Water State Reserve (DWSR) projects is not included. This is due to the projects scoring fewer priority points than the Wastewater State Reserve (WWSR) project applications. However, other scenarios can be prepared as the Authority compares the relative value of the MRF, AIA, and state reserve projects to each other as well as the comparison of drinking water and wastewater reserve applications.

Division staff reviewed and scored all complete, eligible projects according to the Priority Rating System adopted for each program. Staff prepared the spreadsheets for Agenda Items J.2, J.3 and J.4 which contain summarized information about the applications along with points verified by staff.

Four Potential Scenarios

There are four funding scenarios provided based on funding either one wastewater state reserve project or two wastewater state reserve projects and all Merger/Regionalization Feasibility grants, which results in either \$4 million or \$5.2 million available for Asset Inventory and Assessment grants:

- **Scenario No. 1 funds:**
 - All complete MRF applications
 - The top two scoring WWSR project applications
 - Up to \$4,000,000 in AIA grants – funding the AIA applications in priority order and includes water and sewer applications from the same applicant
- **Scenario No. 2 funds:**
 - All complete MRF applications
 - The top two scoring WWSR project applications
 - Up to \$4,000,000 in AIA grants – funding the AIA applications in priority order but only funds one application (water or sewer) from the same applicant
- **Scenario No. 3 funds:**
 - All complete MRF applications
 - The top scoring WWSR project application
 - Up to \$5,200,000 in AIA grants – funds the AIA applications in priority order and includes water and sewer applications from the same applicant
- **Scenario No. 4 funds:**
 - All complete MRF applications
 - The top scoring WWSR project application
 - Up to \$5,200,000 in AIA grants – funds the AIA applications in priority order but only funds one application (water or sewer) from the same applicant.

Each scenario is presented in detail below.

SCENARIO NO. 1: Funds all complete MRF applications, the top two scoring WWSR project applications, and up to \$4,000,000 in AIA grants – funds the AIA applications in priority order and includes water and sewer applications from the same applicant.

Scenario No. 1: Merger/Regionalization Feasibility Grants

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Grover, Town of	Wastewater Treatment Merger/Regionalization Feasibility Study	Isothermal Planning & Development Commission	\$ 50,000	17
2	Handy Sanitary District	Sewer System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	16
3	Broad River Water Authority	Merger/Regionalization Study	Broad River Water Authority	\$ 50,000	14
4	Cleveland County	Merger/Regionalization Feasibility Grant for Sewer	Martin-McGill	\$ 50,000	13
5	Claremont, City of	Wastewater Treatment Merger/Regionalization Study	City of Claremont	\$ 50,000	13
6	Handy Sanitary District	Water System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	12
7	Laurel Park, Town of	Water System Merger Feasibility Study	Town of Laurel Park	\$ 40,000	12
8	Pilot Mountain, Town of	Water Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
9	Pilot Mountain, Town of	Sewer Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
10	Lumberton, City of	Regional Wastewater Study	The Wooten Company	\$ 50,000	6

Scenario No. 1: Wastewater State Reserve Projects

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Trenton, Town of	2016 Wastewater Improvements Project	McDavid Associates, Inc.	\$ 3,000,000	79
2	Fremont, Town of (*)	Fremont Sanitary Sewer Rehab	Municipal Engineering Services Company, PA	\$ 1,200,000	71

(*) Staff recommends that any award to the Town of Fremont include a provision that the Town must participate in the analysis of and if feasible the consolidation of their wastewater treatment works with the Town of Eureka and/or Wayne County into a new system under common ownership.

Scenario No. 1: Asset Inventory and Assessment Grants

These projects are prioritized first by total points and then by project benefit scores.

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Rocky Mount, City of	2016 AIA Wastewater Project	Rocky Mount	\$ 150,000	22
2	Henderson, City of	Wastewater Infrastructure Assessment	Henderson	\$ 125,000	22
3	Salisbury, City of	Asset Inventory and Assessment Grant for Water	Martin-McGill	\$ 130,000	21
4	Lenoir, City of	Sewer AIA Grant	Martin-McGill	\$ 140,000	21
5	Kinston, City of	Wastewater Asset Management Plan	Kinston	\$ 150,000	21
6	Pittsboro, Town of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	20
7	Broad River Water Authority	Water Asset Inventory and Assessment	Broad River Water Authority	\$ 150,000	20
8	Rocky Mount, City of	2016 AIA Drinking Water Project	Rocky Mount	\$ 150,000	20
9	Mount Olive, Town of	Asset Inventory & Assessment Grant for Sewer	Martin-McGill	\$ 150,000	19
10	Winterville, Town of	Sanitary Sewer System Asset Inventory and Assessment	Winterville	\$ 150,000	19
11	Tuckaseegee Water and Sewer Authority	Drinking Water Asset Inventory and Assessment - Phase 1	Tuckaseegee Water & Sewer Authority	\$ 72,225	19
12	Tuckaseegee Water and Sewer Authority	Wastewater Asset Inventory and Assessment - Phase 1	Tuckaseegee Water & Sewer Authority	\$ 74,801	19
13	Lenoir, City of	Water AIA Grant	Martin-McGill	\$ 80,000	19
14	Wilson, City of	Wastewater System Asset Inventory and Assessment	Green Engineering, PLLC	\$ 108,200	19
15	Lumberton, City of	Sewer Mapping and Asset Management Plan	The Wooten Company	\$ 150,000	18
16	Newton, City of	Water System Asset Management	The Wooten Company	\$ 150,000	18
17	Dublin, Town of	FY 16 Asset Management Plan - Wastewater System	WithersRavenel	\$ 15,000	18
18	Smithfield, Town of	Water Asset Inventory and Assessment	The Wooten Company	\$ 150,000	18
19	Montgomery County	Water Asset Management Plan	The Wooten Company	\$ 150,000	18
20	Salisbury, City of	Asset Inventory and Assessment Grant for Sewer	Martin-McGill	\$ 130,000	18

21	Wilson, City of	Water System Asset Inventory and Assessment	Green Engineering, PLLC	\$ 106,700	18
22	Roper, Town of	System-wide Wastewater Asset Inventory and Assessment	The Wooten Company	\$ 100,225	17
23	Newton, City of	Wastewater System Asset Management	The Wooten Company	\$ 150,000	17
24	Smithfield, Town of	Wastewater Asset Inventory and Assessment	The Wooten Company	\$ 150,000	17
25	Taylorsville, Town of	Drinking Water AIA	Western Piedmont COG	\$ 54,268	17
26	Robbins, Town of	Water Asset Management Plan	The Wooten Company	\$ 97,587	16
27	Burlington, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16

If the above 27 AIA projects are selected for funding, there will be a total of \$665,994 remaining to be allocated for AIA funding. The next six projects scored equally at 16 points total and six points for project benefits, but there is only enough funding for four or five projects. Factors the Authority may want to consider when deciding which projects to fund can include system management points, affordability points, utility rates for 5000 gallons, population, rate increases over the past five years, percentage of utility bills collected over the last five years, geographic distribution, or any other factors (data for these factors are shown on spreadsheet no. 2 – titled “Applicant Information” for Agenda Item J.3).

The six projects are:

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
28	Stantonsburg, Town of	Sewer System Asset Inventory & Assessment	Municipal Engineering Services Company, P.A.	\$ 100,000	16
29	Plymouth, Town of	Wastewater Asset Management Plan	The Wooten Company	\$ 146,585	16
30	Stoneville, Town of	Sewer Asset Inventory & Assessment Program	LKC Engineering, PLLC	\$ 90,000	16
31	Carolina Beach, Town of	2016 AIA Wastewater Project	Town of Carolina Beach	\$ 150,000	16
32	Pembroke, Town of	Wastewater AIA	Town of Pembroke	\$ 150,000	16
33	Granite Falls, Town of	Water System Asset Management	The Wooten Company	\$ 150,000	16

SCENARIO NO. 2: Funds all complete MRF applications, the top two scoring WWSR project applications, and up to \$4,000,000 in AIA grants – funds the AIA applications in priority order but only funds one application (water or sewer) from the same applicant.

Scenario No. 2: Merger/Regionalization Feasibility Grants

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Grover, Town of	Wastewater Treatment Merger/Regionalization Feasibility Study	Isothermal Planning & Development Commission	\$ 50,000	17
2	Handy Sanitary District	Sewer System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	16
3	Broad River Water Authority	Merger/Regionalization Study	Broad River Water Authority	\$ 50,000	14
4	Cleveland County	Merger/Regionalization Feasibility Grant for Sewer	Martin-McGill	\$ 50,000	13
5	Claremont, City of	Wastewater Treatment Merger/Regionalization Study	City of Claremont	\$ 50,000	13
6	Handy Sanitary District	Water System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	12
7	Laurel Park, Town of	Water System Merger Feasibility Study	Town of Laurel Park	\$ 40,000	12
8	Pilot Mountain, Town of	Water Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
9	Pilot Mountain, Town of	Sewer Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
10	Lumberton, City of	Regional Wastewater Study	The Wooten Company	\$ 50,000	6

Scenario No. 2: Wastewater State Reserve Projects

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Trenton, Town of	2016 Wastewater Improvements Project	McDavid Associates, Inc.	\$ 3,000,000	79
2	Fremont, Town of (*)	Fremont Sanitary Sewer Rehab	Municipal Engineering Services Company, PA	\$ 1,200,000	71

(*) Staff recommends that any award to the Town of Fremont include a provision that the Town must participate in the analysis of and if feasible the consolidation of their wastewater treatment works with the Town of Eureka and/or Wayne County into a new system under common ownership.

Scenario No. 2: Asset Inventory and Assessment Grants

These projects are prioritized first by total points and then by project benefit scores. Only one application is funded per applicant.

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Rocky Mount, City of	2016 AIA Wastewater Project	Rocky Mount	\$ 150,000	22
2	Henderson, City of	Wastewater Infrastructure Assessment	Henderson	\$ 125,000	22
3	Salisbury, City of	Asset Inventory and Assessment Grant for Water	Martin-McGill	\$ 130,000	21
4	Lenoir, City of	Sewer AIA Grant	Martin-McGill	\$ 140,000	21
5	Kinston, City of	Wastewater Asset Management Plan	Kinston	\$ 150,000	21
6	Pittsboro, Town of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	20
7	Broad River Water Authority	Water Asset Inventory and Assessment	Broad River Water Authority	\$ 150,000	20
9	Mount Olive, Town of	Asset Inventory & Assessment Grant for Sewer	Martin-McGill	\$ 150,000	19
10	Winterville, Town of	Sanitary Sewer System Asset Inventory and Assessment	Winterville	\$ 150,000	19
12	Tuckaseegee Water and Sewer Authority	Wastewater Asset Inventory and Assessment - Phase 1	Tuckaseegee Water & Sewer Authority	\$ 74,801	19
14	Wilson, City of	Wastewater System Asset Inventory and Assessment	Green Engineering, PLLC	\$ 108,200	19
15	Lumberton, City of	Sewer Mapping and Asset Management Plan	The Wooten Company	\$ 150,000	18
16	Newton, City of	Water System Asset Management	The Wooten Company	\$ 150,000	18
17	Dublin, Town of	FY 16 Asset Management Plan - Wastewater System	WithersRavenel	\$ 15,000	18
18	Smithfield, Town of	Water Asset Inventory and Assessment	The Wooten Company	\$ 150,000	18
19	Montgomery County	Water Asset Management Plan	The Wooten Company	\$ 150,000	18
22	Roper, Town of	System-wide Wastewater Asset Inventory and Assessment	The Wooten Company	\$ 100,225	17
25	Taylorsville, Town of	Drinking Water AIA	Western Piedmont COG	\$ 54,268	17
26	Robbins, Town of	Water Asset Management Plan	The Wooten Company	\$ 97,587	16

27	Burlington, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16
28	Stantonsburg, Town of	Sewer System Asset Inventory & Assessment	Municipal Engineering Services Company, P.A.	\$ 100,000	16
29	Plymouth, Town of	Wastewater Asset Management Plan	The Wooten Company	\$ 146,585	16
30	Stoneville, Town of	Sewer Asset Inventory & Assessment Program	LKC Engineering, PLLC	\$ 90,000	16
31	Carolina Beach, Town of	2016 AIA Wastewater Project	Town of Carolina Beach	\$ 150,000	16
32	Pembroke, Town of	Wastewater AIA	Town of Pembroke	\$ 150,000	16
33	Granite Falls, Town of	Water System Asset Management	The Wooten Company	\$ 150,000	16

If the above 26 AIA projects are selected for funding, there will be a total of \$718,334 remaining to be allocated for AIA funding. The next six projects scored equally at 16 points total and four points for project benefits, but there is only enough funding for five projects. Factors the Authority may want to consider when deciding which projects to fund can include system management points, affordability points, utility rates for 5000 gallons, population, rate increases over the past five years, percentage of utility bills collected over the last five years, geographic distribution, or any other factors (data for these factors are shown on spreadsheet no. 2 – titled “Applicant Information” for Agenda Item J.3).

The six projects are:

No.	Applicant Name	Project Name	Application Preparer	Funding Requested	Total Points
34	Williamston, Town of	Water System Asset Inventory Assessment	Rivers & Associates, Inc.	\$ 150,000	16
35	Rutherford College, Town of	Drinking Water AIA	Western Piedmont COG	\$ 52,541	16
36	Bertie County Water District IV	Drinking Water Asset Inventory and Assessment	Green Engineering, PLLC	\$ 88,800	16
37	Sanford, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16
38	Hendersonville, City of	Sanitary Sewer System Asset Inventory and Assessment	City of Hendersonville	\$ 150,000	16
39	Wilkesboro, Town of	Water System Asset Inventory and Condition Assessment	WK Dickson & Co., Inc.	\$ 150,000	16

SCENARIO NO. 3: Funds all complete MRF applications, the top scoring WWSR project application, and up to \$5,200,000 in AIA grants – funds the AIA applications in priority order and includes water and sewer applications from the same applicant.

Scenario No. 3: Merger/Regionalization Feasibility Grants

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Grover, Town of	Wastewater Treatment Merger/Regionalization Feasibility Study	Isothermal Planning & Development Commission	\$ 50,000	17
2	Handy Sanitary District	Sewer System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	16
3	Broad River Water Authority	Merger/Regionalization Study	Broad River Water Authority	\$ 50,000	14
4	Cleveland County	Merger/Regionalization Feasibility Grant for Sewer	Martin-McGill	\$ 50,000	13
5	Claremont, City of	Wastewater Treatment Merger/Regionalization Study	City of Claremont	\$ 50,000	13
6	Handy Sanitary District	Water System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	12
7	Laurel Park, Town of	Water System Merger Feasibility Study	Town of Laurel Park	\$ 40,000	12
8	Pilot Mountain, Town of	Water Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
9	Pilot Mountain, Town of	Sewer Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
10	Lumberton, City of	Regional Wastewater Study	The Wooten Company	\$ 50,000	6

Scenario No. 3: Wastewater State Reserve Project

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Trenton, Town of	2016 Wastewater Improvements Project	McDavid Associates, Inc.	\$ 3,000,000	79

Scenario No. 3: Asset Inventory and Assessment Grants

These projects are prioritized first by total points and then by project benefit scores.

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Rocky Mount, City of	2016 AIA Wastewater Project	Rocky Mount	\$ 150,000	22
2	Henderson, City of	Wastewater Infrastructure Assessment	Henderson	\$ 125,000	22
3	Salisbury, City of	Asset Inventory and Assessment Grant for Water	Martin-McGill	\$ 130,000	21
4	Lenoir, City of	Sewer AIA Grant	Martin-McGill	\$ 140,000	21
5	Kinston, City of	Wastewater Asset Management Plan	Kinston	\$ 150,000	21
6	Pittsboro, Town of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	20
7	Broad River Water Authority	Water Asset Inventory and Assessment	Broad River Water Authority	\$ 150,000	20
8	Rocky Mount, City of	2016 AIA Drinking Water Project	Rocky Mount	\$ 150,000	20
9	Mount Olive, Town of	Asset Inventory & Assessment Grant for Sewer	Martin-McGill	\$ 150,000	19
10	Winterville, Town of	Sanitary Sewer System Asset Inventory and Assessment	Winterville	\$ 150,000	19
11	Tuckaseegee Water and Sewer Authority	Drinking Water Asset Inventory and Assessment - Phase 1	Tuckaseegee Water & Sewer Authority	\$ 72,225	19
12	Tuckaseegee Water and Sewer Authority	Wastewater Asset Inventory and Assessment - Phase 1	Tuckaseegee Water & Sewer Authority	\$ 74,801	19
13	Lenoir, City of	Water AIA Grant	Martin-McGill	\$ 80,000	19
14	Wilson, City of	Wastewater System Asset Inventory and Assessment	Green Engineering, PLLC	\$ 108,200	19
15	Lumberton, City of	Sewer Mapping and Asset Management Plan	The Wooten Company	\$ 150,000	18
16	Newton, City of	Water System Asset Management	The Wooten Company	\$ 150,000	18
17	Dublin, Town of	FY 16 Asset Management Plan - Wastewater System	WithersRavenel	\$ 15,000	18
18	Smithfield, Town of	Water Asset Inventory and Assessment	The Wooten Company	\$ 150,000	18
19	Montgomery County	Water Asset Management Plan	The Wooten Company	\$ 150,000	18
20	Salisbury, City of	Asset Inventory and Assessment Grant for Sewer	Martin-McGill	\$ 130,000	18

21	Wilson, City of	Water System Asset Inventory and Assessment	Green Engineering, PLLC	\$ 106,700	18
22	Roper, Town of	System-wide Wastewater Asset Inventory and Assessment	The Wooten Company	\$ 100,225	17
23	Newton, City of	Wastewater System Asset Management	The Wooten Company	\$ 150,000	17
24	Smithfield, Town of	Wastewater Asset Inventory and Assessment	The Wooten Company	\$ 150,000	17
25	Taylorsville, Town of	Drinking Water AIA	Western Piedmont COG	\$ 54,268	17
26	Robbins, Town of	Water Asset Management Plan	The Wooten Company	\$ 97,587	16
27	Burlington, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16
28	Stantonsburg, Town of	Sewer System Asset Inventory & Assessment	Municipal Engineering Services Company, P.A.	\$ 100,000	16
29	Plymouth, Town of	Wastewater Asset Management Plan	The Wooten Company	\$ 146,585	16
30	Stoneville, Town of	Sewer Asset Inventory & Assessment Program	LKC Engineering, PLLC	\$ 90,000	16
31	Carolina Beach, Town of	2016 AIA Wastewater Project	Carolina Beach	\$ 150,000	16
32	Pembroke, Town of	Wastewater AIA	Pembroke	\$ 150,000	16
33	Granite Falls, Town of	Water System Asset Management	The Wooten Company	\$ 150,000	16
34	Williamston, Town of	Water System Asset Inventory Assessment	Rivers & Associates, Inc.	\$ 150,000	16
35	Rutherford College, Town of	Drinking Water AIA	Western Piedmont COG	\$ 52,541	16
36	Bertie County Water District IV	Drinking Water Asset Inventory and Assessment	Green Engineering, PLLC	\$ 88,800	16
37	Sanford, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16
38	Hendersonville, City of	Sanitary Sewer System Asset Inventory and Assessment	City of Hendersonville	\$ 150,000	16
39	Wilkesboro, Town of	Water System Asset Inventory and Condition Assessment	WK Dickson & Co., Inc.	\$ 150,000	16

If the above 39 AIA projects are selected for funding, there will be a total of \$338,068 remaining to be allocated for AIA funding. The next project scored 16 points total, but only had two points for project benefits (Project No. 40). The next project scored 15 points total, and had eight points for project benefits (Project No. 41). The next four projects scored equally at 15 points total and six points for project benefits. There is enough funding for three or four of these six projects. Factors the Authority may want to consider when deciding which projects to fund can include system management points, affordability points, utility rates for 5000 gallons, population, rate increases over the past five years, percentage of utility bills collected over the last five years, geographic distribution, or any other factors (data for these factors are shown on spreadsheet no. 2 – titled “Applicant Information” for Agenda Item J.3).

The six projects are:

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
40	Wilson County - Southeast Water District	Drinking Water District Asset Inventory and Assessment	Green Engineering, PLLC	\$ 90,000	16
41	Clyde, Town of	Water System Asset & Inventory Assessment	Martin-McGill	\$ 50,000	15
42	Robersonville, Town of	Water Asset Management Plan	The Wooten Company	\$124,512	15
43	Aulander, Town of	Water Asset Management Plan	The Wooten Company	\$ 78,304	15
44	Mount Olive, Town of	Asset Inventory & Assessment Grant for Water	Martin-McGill	\$104,000	15
45	Carolina Beach, Town of	2016 AIA Drinking Water Project	Carolina Beach	\$150,000	15

SCENARIO NO. 4: Funds all complete MRF applications, the top scoring WWSR project application, and up to \$5,200,000 in AIA grant – funds the AIA applications in priority order but only funds one application (water or sewer) from the same applicant.

Scenario No. 4: Merger/Regionalization Feasibility Grants

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Grover, Town of	Wastewater Treatment Merger/Regionalization Feasibility Study	Isothermal Planning & Development Commission	\$ 50,000	17
2	Handy Sanitary District	Sewer System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	16
3	Broad River Water Authority	Merger/Regionalization Study	Broad River Water Authority	\$ 50,000	14
4	Cleveland County	Merger/Regionalization Feasibility Grant for Sewer	Martin-McGill	\$ 50,000	13
5	Claremont, City of	Wastewater Treatment Merger/Regionalization Study	City of Claremont	\$ 50,000	13
6	Handy Sanitary District	Water System Merger Study	MBD Consulting Engineers, P.A.	\$ 50,000	12
7	Laurel Park, Town of	Water System Merger Feasibility Study	Town of Laurel Park	\$ 40,000	12
8	Pilot Mountain, Town of	Water Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
9	Pilot Mountain, Town of	Sewer Merger/Regionalization Feasibility Grant	Martin-McGill	\$ 50,000	11
10	Lumberton, City of	Regional Wastewater Study	The Wooten Company	\$ 50,000	6

Scenario No. 4: Wastewater State Reserve Project

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Trenton, Town of	2016 Wastewater Improvements Project	McDavid Associates, Inc.	\$ 3,000,000	79

Scenario No. 4: Asset Inventory and Assessment Grants

These projects are prioritized first by total points and then by project benefit scores. Only one application is funded per applicant

No.	Applicant Name	Project Name	Application Preparer Firm	Funding Requested	Total Points
1	Rocky Mount, City of	2016 AIA Wastewater Project	Rocky Mount	\$ 150,000	22
2	Henderson, City of	Wastewater Infrastructure Assessment	Henderson	\$ 125,000	22
3	Salisbury, City of	Asset Inventory and Assessment Grant for Water	Martin-McGill	\$ 130,000	21
4	Lenoir, City of	Sewer AIA Grant	Martin-McGill	\$ 140,000	21
5	Kinston, City of	Wastewater Asset Management Plan	Kinston	\$ 150,000	21
6	Pittsboro, Town of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	20
7	Broad River Water Authority	Water Asset Inventory and Assessment	Broad River Water Authority	\$ 150,000	20
9	Mount Olive, Town of	Asset Inventory & Assessment Grant for Sewer	Martin-McGill	\$ 150,000	19
10	Winterville, Town of	Sanitary Sewer System Asset Inventory and Assessment	Winterville	\$ 150,000	19
12	Tuckaseegee Water and Sewer Authority	Wastewater Asset Inventory and Assessment - Phase 1	Tuckaseegee Water & Sewer Authority	\$ 74,801	19
14	Wilson, City of	Wastewater System Asset Inventory and Assessment	Green Engineering, PLLC	\$ 108,200	19
15	Lumberton, City of	Sewer Mapping and Asset Management Plan	The Wooten Company	\$ 150,000	18
16	Newton, City of	Water System Asset Management	The Wooten Company	\$ 150,000	18
17	Dublin, Town of	FY 16 Asset Management Plan - Wastewater System	WithersRavenel	\$ 15,000	18
18	Smithfield, Town of	Water Asset Inventory and Assessment	The Wooten Company	\$ 150,000	18
19	Montgomery County	Water Asset Management Plan	The Wooten Company	\$ 150,000	18
22	Roper, Town of	System-wide Wastewater Asset Inventory and Assessment	The Wooten Company	\$ 100,225	17
25	Taylorsville, Town of	Drinking Water AIA	Western Piedmont COG	\$ 54,268	17
26	Robbins, Town of	Water Asset Management Plan	The Wooten Company	\$ 97,587	16

27	Burlington, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16
28	Stantonsburg, Town of	Sewer System Asset Inventory & Assessment	Municipal Engineering Services Company, P.A.	\$ 100,000	16
29	Plymouth, Town of	Wastewater Asset Management Plan	The Wooten Company	\$ 146,585	16
30	Stoneville, Town of	Sewer Asset Inventory & Assessment Program	LKC Engineering, PLLC	\$ 90,000	16
31	Carolina Beach, Town of	2016 AIA Wastewater Project	Town of Carolina Beach	\$ 150,000	16
32	Pembroke, Town of	Wastewater AIA	Town of Pembroke	\$ 150,000	16
33	Granite Falls, Town of	Water System Asset Management	The Wooten Company	\$ 150,000	16
34	Williamston, Town of	Water System Asset Inventory Assessment	Rivers & Associates, Inc.	\$ 150,000	16
35	Rutherford College, Town of	Drinking Water AIA	Western Piedmont COG	\$ 52,541	16
36	Bertie County Water District IV	Drinking Water Asset Inventory and Assessment	Green Engineering, PLLC	\$ 88,800	16
37	Sanford, City of	Sewer Asset Inventory, Condition Assessment and Asset Management Planning	WK Dickson & Co., Inc.	\$ 150,000	16
38	Hendersonville, City of	Sanitary Sewer System Asset Inventory and Assessment	City of Hendersonville	\$ 150,000	16
39	Wilkesboro, Town of	Water System Asset Inventory and Condition Assessment	WK Dickson & Co., Inc.	\$ 150,000	16
40	Wilson County - Southeast Water District	Drinking Water District Asset Inventory and Assessment	Green Engineering, PLLC	\$ 90,000	16
41	Clyde, Town of	Water System Asset & Inventory Assessment	Martin-McGill	\$ 50,000	15
42	Robersonville, Town of	Water Asset Management Plan	The Wooten Company	\$ 124,512	15
43	Aulander, Town of	Water Asset Management Plan	The Wooten Company	\$ 78,304	15
46	Robbinsville, Town of	Water AIA Grant	Martin-McGill	\$ 50,000	15
48	Pink Hill, Town of	Sewer System Asset Inventory & Assessment	Stroud Engineering, PA	\$ 80,000	15
49	Wallace, Town of	Sewer System Asset Inventory & Assessment	Stroud Engineering, PA	\$ 150,000	15

50	Laurinburg, City of	Wastewater System AIA	Lumber River COG	\$ 73,500	15
52	Benson, Town of	Wastewater Asset Inventory and Assessment Grant Application	The Wooten Company	\$ 150,000	14
53	Warrenton, Town of	Water System Asset Inventory & Assessment	Municipal Engineering Services Company, P.A.	\$ 100,000	14
54	Bladenboro, Town of	Wastewater System AIA	Lumber River COG	\$ 42,400	14
55	Murphy, Town of	Water System Asset Inventory and Assessment Project	NC Rural Water Association	\$ 150,000	14

If these 44 AIA projects are selected for funding, all of the available funds will be committed.

C. Other Scenarios

Note that there are other scenarios which could be constructed, and staff can assist the Authority with other scenarios during the July 20, 2016 meeting.

State Water Infrastructure Authority
Meeting Date: July 20, 2016
Agenda Item J.5
Funding Decision for Duplin County Wastewater State Reserve Project No. 12

Division of Water Infrastructure Staff Report

Background

The 2016 State Appropriations Act (HB 1030) expected to be signed into law by Governor McCrory includes an appropriation of \$1,000,000 in grant funds for the Duplin County BF Grady School project (Wastewater State Reserve Project Application No. 12).

The total project cost shown in the application is \$2,175,000. The application indicated that the County was eligible for 50% grant and that the County would be interested in funding even if the amount of grant funding was less than 50%. Division staff have verified that the County is eligible for 50% grant funding.

If this project is not funded as part of the Wastewater State Reserve Projects for the April 29, 2016 funding round, the County will need \$1,175,000 in additional funding to cover the cost of the project.

Staff Recommendation

Based on the referenced application receiving direct appropriation for a State Reserve Project grant, staff recommends that the Authority approve the Duplin County application as eligible to receive a loan to supplement the appropriated grant to cover the full cost of the project.