

# State Water Infrastructure Authority

Meeting Date: July 17, 2014

## Agenda Item E – Funding Decisions for CDBG-I May 1, 2014 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 (SWIA) 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 May 1, 2014, the Division received 63 applications for funding for the Community Development Block Grant-Infrastructure (CDBG-I) grant program. The 63 “rollover” applications were also considered in this round, some of which had submitted additional information to improve their scores over the April round score. Division staff first determined if each application was complete and was eligible for funding under the CDBG-I program. Then, using the Priority Rating System approved by SWIA at its February 2014 meeting, Division staff reviewed and ranked each complete, eligible application.

Staff prepared the spreadsheet for Agenda Item E which contains summarized information about the applications along with points verified by staff.

There is \$16,459,265 remaining in the 2013 appropriation to offer for funding.

#### Staff Recommendation

Division staff has recognized the concern the Authority has expressed on cost per connection for projects that connect homes to public water or sewer service. Staff notes that the cost/new connection for the Tyrrell County Sanitary Sewer Improvements project is \$176,294 per connection, for 17 house connections. Staff recommends the SWIA consider the cost of these connections in making decisions on funding eligibility.

#### A. SCENARIO ONE:

<b>Applicant Name</b>	<b>Project Name</b>	<b>Engineering Firm</b>	<b>Project Description</b>
Wilson County	Water System Extension – Town of Sims	Green Engineering, PLLC	Town of Sims has radium contaminated wells; extend 19,000 LF 8" PVC water main; one bulk water meter pit; SCADA for system control; ancillary fittings, valves, hydrants.
Town of Plymouth	Water Treatment Plant Rehab	The Wooten Company	Plymouth has an average water loss of 29 percent. This project will replace 12,600 LF of 6" raw water line including new valves and nine new fire hydrant assemblies. At the water treatment plant, four softeners will be replaced, a draft aerator, high service pumps, disinfectant flow pacing system, and piping will be installed.
Tyrrell County	Sanitary Sewer Improvements	McDavid Associates	Tyrrell County proposes to construct central sewer infrastructure within the residential area, providing connections to 17 existing occupied residential units, at a cost of \$176,294 per unit. Construction will include approximately 11 +/- miles of low pressure sewer force main, a duplex sewer pump station, and individual grinder pump stations at existing residential units. Sewer will be pumped to the Town of Columbia's sewer collection system.

Pitt County	Candlewick Area Sanitary District Sewer Improvements	McDavid Associates	The Candlewick Sanitary District has 37 homes with failing septic systems. To resolve those failures, this project will connect these homes to the Town of Farmville's sewer system, at a cost of \$81,081 per home. This project will install 4,000 LF of gravity sewer line, 17 manholes, a duplex pump station, a booster pump station, and 34,000 LF of sewer force main.
Town of Rhodhiss	Water System Rehabilitation Project	West Consulting, PLLC	The Rhodhiss water system is experiencing excessive water loss. This project will rehabilitate or replace 14,650 LF of 6- inch waterline, 680 LF of 6- inch waterline on a bridge and 1,000 2- inch waterlines, valves and hydrants and replace 90 meters.
Town of Rhodhiss	Sewer Collection System Rehab Project	West Consulting, PLLC	The Rhodhiss sewer system is old and is experiencing excessive inflow and infiltration. This project will replace 19,000 LF of 4, 6, and 8-in clay pipe sewers with new 8-in PVC or CIPP, perform 50 tap replacements and make repairs to 50 manholes.
Halifax County	Disinfectant Byproducts Abatement System	Green Engineering, PLLC	Halifax County has a long-standing problem with disinfection byproducts (THMs and HAAs) in its water. Project will install aeration and mixing equipment in two of the largest storage tanks in the county's distribution grid serving customers in the county and in towns that are bulk water customers of the county.
Town of Garland	Wastewater Collection System Improvements	McGill Associates	The Town of Garland has received NOV's for exceeding flow limits and for having high BOD in the effluent. This project will rehab and/or replace approximately 11,000 LF of 12-inch gravity sewer, and rehab and/or replace approximately 33 manholes. In addition the project will rehab an existing lift station.
Town of Mount Olive	Sewer System Improvements	McGill Associates	This project will rehabilitate four sewer pump stations, including new emergency generators, and SCADA with a remote telemetry system. All four pump stations are older than 30 years old and experiencing multiple repairs.

If Scenario 1 is selected, projects through the Mount Olive Sewer System Improvements project can be funded. From there, only \$236,380 remains. Staff recommends that this amount be reserved for cost overruns in projects funded out of the 2013 appropriation, as construction prices are rising and more cost overruns in bid projects are occurring.

Should SWIA decide not to fund the Tyrrell County Sanitary Sewer Improvements project, a second funding scenario is presented below, showing the projects that could be funded.

**B. SCENARIO TWO:**

Applicant Name	Project Name	Engineering Firm	Project Description
Wilson County	Water System Extension – Town of Sims	Green Engineering, PLLC	Town of Sims has radium contaminated wells; extend 19,000 LF 8" PVC water main; one bulk water meter pit; SCADA for system control; ancillary fittings, valves, hydrants.
Town of Plymouth	Water Treatment Plant Rehab	The Wooten Company	Plymouth has an average water loss of 29 percent. This project will replace 12,600 LF of 6" raw water line including new valves and nine new fire hydrant assemblies. At the water treatment plant, four softeners will be replaced, a draft aerator, high service pumps, disinfectant flow pacing system, and piping will be installed.

Pitt County	Candlewick Area SD Sewer Improvements	McDavid Associates	The Candlewick Sanitary District has 37 homes with failing septic systems. To resolve those failures, this project will connect these homes to the Town of Farmville's sewer system, at a cost of \$81,081 per home. This project will install 4,000 LF of gravity sewer line, 17 manholes, a duplex pump station, a booster pump station, and 34,000 LF of sewer force main.
Town of Rhodhiss	Water System Rehabilitation Project	West Consulting, PLLC	The Rhodhiss water system is experiencing excessive water loss. This project will rehabilitate or replace 14,650 LF of 6-inch waterline, 680 LF of 6-inch waterline on a bridge and 1,000 2-inch waterlines, valves and hydrants and replace 90 meters.
Town of Rhodhiss	Sewer Collection System Rehab Project	West Consulting, PLLC	The Rhodhiss sewer system is old and is experiencing excessive inflow and infiltration. This project will replace 19,000 LF of 4, 6, and 8-in clay pipe sewers with new 8-in PVC or CIPP, perform 50 tap replacements and make repairs to 50 manholes.
Halifax County	Disinfectant Byproducts Abatement System	Green Engineering, PLLC	Halifax County has a long-standing problem with disinfection byproduct (THMs and HAAs) in its water. Project will install aeration and mixing equipment in two of the largest storage tanks in the county's distribution grid serving customers in the county and in towns that are bulk water customers of the county.
Town of Garland	Wastewater Collection System Improvements	McGill Associates	The Town of Garland has received NOV's for exceeding flow limits and for having high BOD in the effluent. This project will rehab and/or replace approximately 11,000 LF of 12-inch gravity sewer, and rehab and/or replace approximately 33 manholes. In addition the project will rehab an existing lift station.
Town of Mount Olive	Sewer System Improvements	McGill Associates	This project will rehabilitate four sewer pump stations, including new emergency generators, and SCADA with a remote telemetry system. All four pump stations are older than 30 years old and experiencing multiple repairs.
Duplin County	Sanitary Sewer Improvements	McDavid Associates	The Calico Bay Road community is experiencing failing septic systems. This project will install approximately 7,700 LF of gravity sewer, two duplex pump stations, and associated force main to sewer 74 homes, at a cost of \$39,871 per home. Sewer will be treated by the Town of Wallace.

If Scenario 2 is selected, projects through the Duplin County Sanitary Sewer Improvements project can be funded. From there, only \$282,880 remains. Staff recommends that this amount be reserved for cost overruns in projects funded out of the 2013 appropriation, as construction prices are rising and more cost overruns in bid projects are occurring.

DRAFT North Carolina Community Development Block Grant-Infrastructure (CDBG-I) May 1, 2014 Applications - Agenda Item E																				
Applicant Name	Project Name	Engineering Firm	Project Description	No. of New Connections Served	\$ per New Connection	LMI %	County	Tier	CDBG-I Funding Request	Potential CDBG-I Grant	Total Project Cost	Project Type	Points Submitted	Points Verified (Total All Categories)	Economic Need	Severity of Need	System Mgmt.	Difference in Points Claimed & Verified	Other Considerations/Staff Notes	
<b>TOTALS</b>									<b>\$173,057,035</b>		<b>\$185,175,695</b>									
Wilson, County of	Water System Extension-Town of Sims	Green Engineering	Town of Sims has radium contaminated wells; extend 19,000 LF 8" PVC water main; one bulk water meter pit; SCADA for system control; ancillary fittings, valves, hydrants.			53.60	Wilson	1	\$679,120	\$679,120	\$679,120	DW	114	122.00	45	70	7	1. Claimed 5 points for poverty rate but entire project is in Wilson County (+15). 2. Claimed points for secondary water supply; this is a choose one option (-5). 3. Claimed points for regionalized mgmt. but they only have an interconnection not regional mgmt. (-2).		
Plymouth, Town of	Water Treatment Plant Rehab	The Wooten Company	Plymouth has an average water loss of 29 percent. This project will replace 12,600 LF of 6" distribution line and 3,000 LF of 6" raw water line including new valves and nine new fire hydrant assemblies. At the water treatment plant, four softeners will be replaced, a draft aerator, high service pumps, disinfectant flow pacing system and piping will be installed.			59.70	Washington	1	\$2,588,947	\$2,588,947	\$2,754,198	DW	115	119.00	50	60	9	1. They did not claim points but provided a water loss prevention program (+4).		
Tyrrell, County of	Sanitary Sewer Improvements	McDavid Associates	Tyrrell County proposes to construct central sewer infrastructure within the residential area, providing connection to 17 existing occupied residential units. Construction will include approximately 11 +/- miles of low pressure sewer force main, a duplex sewer pump station, and individual grinder pump stations at existing residential units. Sewer will be pumped to the Town of Columbia's sewer collection system.	17	\$176,294	92.50	Tyrrell	1	\$2,997,000	\$2,997,000	\$3,014,500	WW	121	115.00	60	50	5	1. Claimed points for CIP; it is very general and no project priorities were listed (-2). 2. Claimed points for water loss prevention program but the mgmt. of the system not regional (-4).		
Pitt, County of	Candlewick Area Sanitary Dist. Sewer Improvement	McDavid Associates	The Candlewick Sanitary District has 37 homes with failing septic systems. To resolve those failures, this project will connect these homes to the Town of Farmville's sewer system. This project will install 4,000 LF of gravity sewer line, 17 manholes, a duplex pump station, a booster pump station, and 34,000 LF of sewer force main.	37	\$81,081	69.96	Pitt	2	\$3,000,000	\$3,000,000	\$3,018,500	WW	111	111.00	55	50	6			
Rhodiss, Town of	Water System Rehabilitation Project	West Consultants	The Rhodiss water system is experiencing excessive water loss. This project will rehabilitate or replace 14,650 LF of 6- inch waterline, 680 LF of 6- inch waterline on a bridge and 1,000 2- inch waterlines, valves and hydrants and replace 90 meters.			82.90	Burke	1	\$1,674,100	\$1,400,000	\$1,674,100	DW	109	105.00	70	30	5	1. Claimed asset mgmt. plan points but no methodology was given for developing the plan, and it seems to be related to sewer only. Information on the WWTP/WTP not included (-4).	This project is combined with the project below; they are in the same footprint.	
Rhodiss, Town of	Sewer Collection System Rehab Project	West Consultants	The Rhodiss sewer system is old and is experiencing excessive inflow and infiltration. This project will replace 19,000 LF of 4,6,8-in clay pipe sewers with new 8-in PVC or CIPP, perform 50 tap replacements and make repairs to 50 manholes.			82.90	Burke	1	\$1,591,875	\$1,600,000	\$1,591,875	WW	104	100.00	70	25	5	1. Claimed asset mgmt. plan points but no methodology was given for developing the plan, and it seems to be related to sewer only. Information on the WWTP/WTP not included (-4).	See above	
Halifax, County of	Disinfectant Byproducts Abatement System	Green Engineering PLLC	Halifax County has a long-standing problem with disinfection byproduct (THMs and HAAs) in its water. Project will install aeration and mixing equipment in two of the largest storage tanks in the county's distribution grid serving customers in the county and in towns that are bulk water customers of the county.			51.30	Halifax	1	\$885,000	\$885,000	\$885,000	DW	115	105.00	35	70	0	1. Claimed water and sewer rate points as if reporting on two utilities; is a single utility rate (-5) 2. Operations ratio calculation includes transfers in from another fund (-5).		
Garland, Town of	Wastewater Collection System Improvements	McGill Associates	The Town of Garland has received NOVs for flow exceedance and high BOD in the effluent. This project will rehab and/or replace approximately 11,000 LF of 12-inch gravity sewer, and rehab and/or replace approximately 33 manholes. In addition the project will rehab an existing lift station.			56.20	Sampson	2	\$1,563,000	\$1,563,000	\$1,563,000	WW	105	105.00	55	45	5			
Mount Olive, Town of	Sewer System Improvements	McGill Associates	This project will rehabilitate four (4) sewer pump stations, including new emergency generators, and SCADA with a remote telemetry system. All four pump stations are older than 30 years old and experiencing multiple repairs.			95.40	Wayne	2	\$1,509,818	\$1,509,818	\$1,509,818	WW	107	105.00	75	25	5	1. Claimed CIP points but no document provided (-2).		

Applicant Name	Project Name	Engineering Firm	Project Description	No. of New Connections Served	\$ per New Connection	LMI %	County	Tier	CDBG-I Funding Request	Potential CDBG-I Grant	Total Project Cost	Project Type	Points Submitted	Points Verified (Total All Categories)	Economic Need	Severity of Need	System Mgmt.	Difference in Points Claimed & Verified	Other Considerations/Staff Notes
Duplin, County of	Sanitary Sewer Improvements	McDavid Associates	This project will install approximately 7,700 LF of gravity sewer, two duplex pump stations, and associated force main to sewer 74 homes. Sewer will go to the Town of Wallace. The Calico Bay Rd. community is experiencing failing septic systems.	74	\$39,871	85.26	Duplin	2	\$2,950,500	\$2,950,500	\$2,987,000	WW	106	104.00	50	50	4	1. The project is not included in the CIP (-2) .	
Bertie, County of	Water System Improvements	Green Engineering, PLLC	The Bertie County water system covers 741 square miles and has 520 miles of water distribution, eight elevated storage tanks, and 13 wells. The system needs a Supervisory Control and Data Acquisition System (SCADA) to monitor well production, the filling of storage tanks, and disinfection at the wells, all in real time, to increase the efficiency of the system.			54.20	Bertie	1	\$1,319,468		\$1,319,468	DW	103	103.00	40	50	13		
Duplin, County of	Water System Improvements	McDavid Associates	This project will install approximately 7,600 LF of 6" PVC waterline and connections to 11 residences, where nitrate contamination has been found in wells.	11	\$41,909	77.27	Duplin	2	\$461,000		\$466,500	DW	101	101.00	45	50	6		
Faison, Town of	Water Line Replacement	McDavid Associates	The town is served with 2" galvanized water lines that have corroded and are leaking. Project would install 17,000 LF of 6" diameter waterline, install 14 fire hydrants, and waterline fittings.			81.66	Duplin	2	\$1,188,000		\$1,188,000	DW	101	101.00	40	50	11		
Benson, Town of	Phase 3 Water System Improvements	The Wooten Company	An 80-year-old water system with tuberculated lines, line breaks, and poor to non-existent valving. Project will install 800 LF of 12" PVC/DIP and 5,450 LF of 8" PVC/DIP for water quantity and quality; 9,900 LF of 6" PVC/DIP and 650 LF of 2" PVC to replace deteriorating water lines, and 55 valves added and/or replaced.			70.90	Johnston	3	\$2,565,000		\$2,850,000	DW	106	101.00	60	30	11	1. Claimed 15 points for LMI; received 10 (-5).	Town has committed \$285,000 in local dollars to match the grant. Project would serve 1389 residential and 381 business customers. Town-wide data from HUD places LMI at 70.9%.
Robersonville, Town of	Water Distribution System Improvements	The Wooten Company	The Town of Robersonville has an antiquated water system with small lines, and sustains a 49.4% water loss. This project will construct 13,950 LF of 6" water main, 45 new valves and 20 new fire hydrant assemblies, and abandon 8,755 LF of undersized water mains.			63.10	Martin	1	\$1,672,795		\$1,687,795	DW	101	101.00	45	50	6		
Columbia, Town of	Sanitary Sewer Improvements	McDavid Associates	The Town of Columbia has high inflow and infiltration. This project will replace 40-year-old VCP piping with 3,000 LF of gravity sewer collection line and a duplex sewage pump station.			92.90	Tyrrell	1	\$2,343,000		\$2,343,000	WW	101	101.00	55	35	11		
Chadbourn, Town of	Sewer System Improvements	The Adams Company	The Town of Chadbourn has high inflow and infiltration, due to deteriorated sewer lines, and collapsing manholes. The WWTP also needs rehabilitation, due to three corroded primary mixers, a broken clarifier drive, and failing walls on the emergency storage lagoon. This project will upgrade three primary basin mixers, replace one clarifier drive, repair the lagoon walls, and remove/replace/repair 16,400 LF of sewer line and 47 manholes.			57.50	Columbus	1	\$3,000,000		\$3,375,000	WW	108	100.00	50	45	5	1. Claimed asset management plan points but did not submit a plan (-4). 2. Water shortage prevention plan submitted, not a water loss prevention plan (-4).	
Dover, Town of	Sanitary Sewer Improvements	McDavid Associates	This project will install approximately 4,730 LF of gravity sewer, one duplex pump station, 5,600 LF of force main, and connection of 29 homes to central sewer to serve homes with failing septic systems.	29	\$50,310	80.00	Craven	2	\$1,459,000		\$1,474,000	WW	105	100.00	50	50	0	1. The LMI is miscalculated (-5) .	Two projects were submitted; they do not share the same footprint. See below second project.
Robbinsville, Town of	Tallulah Creek Area Sewer Improvements	McGill Associates	The Town of Robbinsville has problems with high inflow and infiltration in the Tallulah Creek area. This project will replace 40-year-old VCP sewer line with 5,900 LF 8" DIP or PVC.			86.40	Graham	1	\$1,500,000		\$1,500,000	WW	107	100.00	70	25	5	1. Claimed 25 points for LMI; is actually 20 (-5). 2. Claimed CIP points but the document is only three pages long, and insufficient (-2).	

Applicant Name	Project Name	Engineering Firm	Project Description	No. of New Connections Served	\$ per New Connection	LMI %	County	Tier	CDBG-I Funding Request	Potential CDBG-I Grant	Total Project Cost	Project Type	Points Submitted	Points Verified (Total All Categories)	Economic Need	Severity of Need	System Mgmt.	Difference in Points Claimed & Verified	Other Considerations/Staff Notes
Burgaw, Town of	Water Improvements to Reduce THM Levels	McGill Associates	The project will install approximately 4,500 LF of new water main, one emergency generator, two automatic transfer switches and three new mixers in the elevated storage tanks. The Town of Burgaw has problems with THM levels in the water.			67.40	Pender	3	\$298,000		\$395,916	DW	102	100.00	45	50	5	1. Claimed CIP points but the CIP is a capital budget (-2) .	Two sections of the water line replacement is funded by Drinking Water SRF program. Split the project into two separate projects (1)Water tank repairs and (2)line replacement and resubmit in future round.
Roseboro, Town of	Sewer System Improvements	The Adams Company	The Town of Roseboro has an aging wastewater treatment plant. This project will replace the aerated grit chamber, flow meters, sulfur dioxide system, and bar screen. In addition, the project will install a SCADA system for the WWTP and four pump stations, and install three new generators, and 620 LF of 8" sewer line to serve three families.	3	\$388,666	56.10	Sampson	2	\$1,166,000		\$1,266,000	WW	142	100.00	25	70	5	1. Claimed age of sewer/pumps; this is a choose one option (-25). 2. Claimed plant age; this is a choose one option (15). 3. Claimed CIP points but the CIP is dated 2007 (-2).	Budget is not detailed enough to determine the costs of all activities, including the connection costs to three homes.
Kenansville, Town of	Sanitary Sewer & Improvements	McDavid Associates	Kenansville has an area with failing septic systems on two streets. This project will extend 3,475 LF of gravity sewer collection line, construct two duplex pump stations, and install 1,590 LF of force main and services to 23 homes.	23	\$91,613	63.16	Duplin	2	\$2,107,100		\$2,118,600	WW	99	99.00	40	50	9		
Murfreesboro, Town of	Sanitary Sewer Improvements	McDavid Associates	This project will sewer 25 homes with failing septic systems. The project will entail the construction of approximately 3,300 LF of 8-inch and 200 LF of 12-inch gravity sewer, 14 manholes, one duplex sewer pump station, 750 LF of sewer force main, and 25 house connections.	25	\$51,700	72.97	Hertford	1	\$1,292,500		\$1,305,000	WW	106	99.00	45	50	4	1. Claimed Operations Ratio but ratio is less than one (-5). ; 2. Claimed CIP points but no document provided (-2).	
Henderson, City of	Sewer System Improvements	McGill Associates	This project proposes to eliminate a 42-year-old pump station that overflows on a regular basis and extend 3,800 LF of 12" gravity sewer line to an existing sewer outfall. In addition, several homes in the area are straight piping wastewater into ditches, and are in need of public sewer. To address this issue, an additional, 2300 LF of gravity sewer will be extended and another pump station will be upgraded. A total of 29 connections will be added.	29	\$49,533	70.30	Vance	1	\$1,436,460		\$1,532,400	WW	109	99.00	50	40	9	1. Claimed failing septic tanks at a rate above 20%; they are not (-10).	
Fremont, Town of	Wastewater Lagoon Improvements & Sewer Rehab	Municipal Engineering Services	Fremont has a leaking lagoon and an antiquated sewer collection system. This project will repair the lagoon liner, replace old terra cotta pipe and rehab a pump station. The project will also change the meter between Goldsboro and Fremont from a magnetic flow meter to a Parshall Flume meter.			51.10	Wayne	2	\$1,600,000		\$1,600,000	WW	109	99.00	45	50	4	1. LMI survey data is insufficient so we applied the area-wide survey data from 4/2014 round (-10).	
Marshall, Town of	Phase II Water System Improvements	McGill Associates	The Town of Marshall has a severe water loss. This project will replace 10,950 LF of waterline, make improvements to valves, install a well treatment system, and install fire hydrants.			55.70	Madison	2	\$2,046,060		\$2,164,260	DW	133	97.00	45	50	2	1. Claimed SOC points, but only submitted one(-25) . 2. Operating ratio is less than one(-5). 3. Claimed Asset Mgmt. points but no plan provided (-2). 4. Claimed points for Water Loss Prevention Plan (-4).	
Maxton, Town of	WWTP Rehab	McGill Associates	The Maxton treatment plant is 34 years old and needs to be rehabbed. This project will replace the existing aeration equipment in the oxidation ditch treatment train; replace the aeration equipment in the aeration basin treatment train; replace equipment in two circular clarifiers; rehab the concrete structures; and replace the plant's electrical motor control center.			56.20	Robeson	1	\$1,605,000		\$1,605,000	WW	102	97.00	45	45	7	1. Combined water and sewer rates vs. MHI calculated incorrectly (-5).	

Applicant Name	Project Name	Engineering Firm	Project Description	No. of New Connections Served	\$ per New Connection	LMI %	County	Tier	CDBG-I Funding Request	Potential CDBG-I Grant	Total Project Cost	Project Type	Points Submitted	Points Verified (Total All Categories)	Economic Need	Severity of Need	System Mgmt.	Difference in Points Claimed & Verified	Other Considerations/Staff Notes
Trenton, Town of	Sanitary Sewer Improvements	McDavid Associates	Inflow and infiltration. Project will replace 30-year-old VCP with 1,500 LF sewer collection pipe, and six manholes.			73.30	Jones	1	\$1,086,800		\$1,086,800	WW	115	95.00	55	35	5	1. Poverty rate of 29.8% should get 15 points, not 25 (-10). 2. The NOV letters submitted were incomplete, but administrative order points were given for the moratorium (-10).	
Rockingham, City of	East Rockingham Sewer System	LKC Engineering, PLLC	This area of the county is experiencing failing septic tanks. This project will install approximately 16,000 feet of gravity sewer and 70 manholes in the East Rockingham area, to serve 96 homes in an old mill village.	96	\$30,687	64.51	Richmond	1	\$2,946,000		\$3,306,000	WW	118	95.00	40	50	5	1. Miscalculated the LMI (-15.). 2. Claimed CIP points but this project is not included (-2). 3. Claimed regionalized mgmt. but Rockingham doesn't maintain Ellerbe system (-2). 4. Claimed water loss prevention program points but no documentation provided (-4).	
Stanly, County of	Waterline to Sundale Village	Chambers Engineer	Stanly County will install approximately 10,750 LF of waterlines to the Sundale Village neighborhood experiencing wells contaminated with fecal coliform and arsenic. A total of 64 homes will be served.	64	\$8,684	62.58	Stanly	2	\$555,819		\$593,319	DW	94	95.00	45	50	0	1. Miscalculated the LMI (+5). 2. Claimed points for asset mgmt. but included 2007 CIP instead (-4).	
Mount Olive, Town of	Water System Improvements Project	McGill Associates	The galvanized water lines on Flear Street, Kelly Street, Williamson Street have frequent line breaks and are not in compliance with current regulations regarding the separation of water and sewer lines. This project will replace 3,130 LF of old 1.5 to 2 inch galvanized water line with 6-inch ductile iron water line along Flear Street, Williamson Street and Kelly Street, including water meters and services.			96.50	Wayne	2	\$1,476,279		\$1,476,279	DW	127	95.00	75	15	5	1. Claimed water loss but documentation was a percentage (local water supply plan alone does not document water loss) (-30). 2. Claimed CIP points but no document provided (-2).	
Elm City, Town of	Water System Improvements	Municipal Engineering Services	The Town of Elm City water system is over 50 years old and experiencing unaccounted water of 34%. This project will install approximately 7,400 lf of 6-inch water lines with new hydrants, new valves and new service connections.			64.84	Wilson	1	\$775,000		\$775,000	DW	101	95.00	45	50	0	1. Claimed CIP points but CIP is out of date (dated Jan. 2004) (-2). 2. Claimed Water loss prevention points but city does not calibrate master meters and does not have a written procedure for leak detection and repair per Water Loss Reduction Program form (-4).	
Jonesville, Town of	Jonesville-Arlington Water System Improvements	McGill and Associates	This project will more fully consolidate the Jonesville-Arlington water systems, and improve water pressure. The proposed improvements include a new water storage tank the replacement of water mains, upgrade water pumps, and replace meters.			60.00	Yadkin	2	\$3,000,000		\$3,039,700	DW	157	95.00	45	50	0	1. Claimed several types of severity of need points; could only claim one (-60). 2. Claimed regionalized management points, but towns merged in 2001 (-2).	
Pembroke, Town of	Jones St & IEA Lift Station Replacements	The Wooten Company	The Jones St. lift station was constructed in the late 1950s-early 1960s, and the IEA lift station was constructed in 1974. Both stations are aging, and receive too much flow for their size. This project will replace both lift stations and rehabilitate approximately 1,725 LF of 8" gravity sewer that feeds into these lift stations..			65.50	Robeson	1	\$949,975		\$949,975	WW	94	94.00	60	25	9		
Washington, City of	Washington Sewer Infrastructure Rehab	Rivers and Associates	Inflow and infiltration in wastewater system. Repair/replace 85 services, line 5,200 LF of 8" to 24" sewer lines, conduct 300 LF of point repairs, line 60 vertical of manholes, and replace two manhole frames and covers.			82.70	Beaufort	1	\$1,101,000		\$1,151,000	WW	93	93.00	55	25	13		

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Belhaven, Town of	California St. Area Sanitary Sewer Rehab.	Wooten Company	This project will replace 10,100 LF of 8" sewer line and rehab 800 LF of 8" gravity sewer line. In addition, it will replace 44 manholes and 44 manhole cover liners, 97 sewer service laterals, and trim 12 protruding sewer service laterals. The town has a high inflow and infiltration rate.			76.40	Beaufort	1	\$2,298,970		\$2,298,970	WW	123	92.00	65	25	2	1. There were no NOVS in the application, (-20). 2. There were transfers in the enterprise fund that makes the operating ratio greater than one, indicating that without the transfers, the ratio is less than one (-5). 3. This is not a truly regionalized system (-2). 4. Claimed Water Loss Prevention Program but no hidden leak detection and water loss is >10% (-4).	
Bethel, Town of	SE Area Sanitary Sewer Rehabilitation	Wooten Company	This project will replace 4,300 LF of 8" and 10" gravity sewer line, and rehabilitate 5,300 LF of 8" and 10" gravity sewer line, and replace 38 manholes, and 140 service laterals. The town has a high inflow and infiltration rate.			78.60	Pitt	2	\$1,545,600		\$1,545,600	WW	91	91.00	60	25	6		
Midland, Town of	Old Historic Midland Phase 2 Sewer Project	McGill Associates	The Town of Midland has failing septic tanks at 34 homes. This project would extend 7,200 LF of 8" and 12" gravity sewer to serve 34 homes with public sewer service.	34	\$37,155	94.60	Cabarrus	3	\$1,134,100		\$1,263,300	WW	104	89.00	30	50	9	1. Water and sewer rates vs. MHI was miscalculated (-15).	
Williamston, Town of	Sanitary Sewer System Rehabilitation	Rivers & Associates	The Town of Williamston has an aging wastewater collection system. This project will replace 40 services, line approximately 2,300 LF of 8" line, 2,300 LF of point repairs, and 450 LF of pipe replacement, line 70 vertical feet of manholes, replace two manhole frames and covers.			69.22	Martin	1	\$867,600		\$867,600	WW	98	88.00	55	25	8	1. Claimed 15 points for LMI but the calculation was not correct (-5). 2. Claimed points for Operation Ratio unable to verify some totals (-5).	
Scotland Neck, Town of	Sewer Infrastructure	Engineering Services	Scotland Neck's wastewater system is over 30 years old. This project will replace 8,905 LF of sewer gravity lines; replace 13 four foot diameter manholes and rehab existing manholes (184VF); and rehab and replace 128 service taps. At the Wastewater Treatment Plant, a new 40 ft. diameter clarifier will be installed to increase clarification capacity, and additional work will convert an existing clarifier into a sludge thickener; replace variable speed drives on the tertiary filter system; and replace pumps and related controls at the sludge return pump for efficient energy and operation.			62.70	Halifax	1	\$2,198,417		\$2,198,417	WW	114	87.00	60	25	2	1. Claimed plant older than 30 years; this is a choose one option (-25). 2. Claimed regionalized mgmt. but interlocal agreement with Hobgood and United operates the system not truly regional mgmt. (-2). <b>They need to hold new public hearings</b>	
Seaboard, Town of	Sewer System Wide Improvements Phase I	Mack Gay Associates, PA	The Town of Seaboard is under sewer moratorium for exceeding its flow at the wastewater treatment plant. This project proposes to rehabilitate approximately 38 percent of the town's 75-year-old system. The town will rehabilitate 9,300 LF of 8" VCP sewer line, and approximately 900 LF of 10" VCP sewer line. Approximately 20 manholes and 58 sanitary sewer services will also be rehabilitated or replaced.			55.50	Northampton	1	\$875,307		\$875,307	WW	127	87.00	50	35	2	1. The water/sewer rates vs. MHI were calculated incorrectly (+5). 2. Regulatory relief points were scored at 25 for a moratorium; a moratorium is an administrative order (-15). 3. Points were claimed for both sewer collection system rehab and WWTP rehab; only one can be claimed (-25). 4. Claimed points for OR but Town had transfers (-5).	
Stantonsburg, Town of	Sanitary Sewer Replacement	Municipal Engineering Services	This project will install 2,260 LF of 8" PVC and ductile iron sewer line to replace old terra cotta pipe, in Stantonsburg. The town has a problem with inflow and infiltration.			79.59	Wilson	1	\$665,000		\$665,000	WW	91	86.00	50	25	11	1. Miscalculated the LMI (-5). 2. Claimed 15 points for poverty rate (-5). 3. Claimed 20 points for combined water and sewer rates vs. MHI (+5).	
Lewiston-Woodville, Town of	WWTP Upgrades	The Wooten Company	Town has a 40-year-old WWTP with no redundancy in the system. This project would construct two, new above-ground aeration tanks; a second concrete clarifier to provide better solids separation; new RAS/WAS pumps; two new blowers; a new sludge loadout pump; additional chlorine equipment; and a second dechlorination pump.			61.20	Bertie	1	\$1,750,000		\$1,750,000	WW	85	85.00	55	25	5		



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Brunswick, Town of	Elevated Storage Tank	The Adams Company, Inc.	The current water storage capacity is 11,000 gallons. There is no pressure at fire flow. A new 100,000-gallon elevated storage tank, control upgrades, well houses, and an updated treatment process.			74.10	Columbus	1	\$1,108,350		\$1,108,350	DW	110	85.00	65	15	5	1. Claimed 25 points for water treatment plant rehab; there are only chlorinators at each well, no plant (-25).	
Fair Bluff, Town of	Inflow & Infiltration Improvements	Koonce, Noble & Associates	The Town of Fair Bluff has an inflow and infiltration rate of approximately 47%. This project will conduct approximately 2,190 LF of cleaning and television inspection and install CIPP and rehab approximately 60 VF of manholes.			67.40	Columbus	1	\$185,600		\$185,600	WW	87	85.00	55	25	5	1. The system is not a truly regionalized system (-2).	
New Bern, City of	Sanitary Sewer Improvements	McDavid Associates	The City of New Bern has inflow and infiltration in the terra cotta collections systems installed in certain parts of the city in 1950. This project will replace approximately 5,000 LF of 8-inch gravity sewer, 11 manholes, and 115 sewer service replacements.			93.60	Craven	2	\$1,558,000		\$1,558,000	WW	85	85.00	55	25	5		Projects are linked
Cofield, Town of	Sanitary Sewer Improvements	McDavid Associates	This project involves the installation of approximately 6,600 LF of 8" to 10" sanitary sewer, and a duplex pump station and associated force main to sewer 52 homes. This area is experiencing failing septic systems.	52	\$36,115	79.65	Hertford	1	\$1,878,000		\$1,904,000	WW	85	85.00	35	50	0		
Fairmont, Town of	Sewer System Rehab Project Phase II	McGill Associates, PA	Inflow and infiltration. Project will install 29,400 LF of 8" to 15" gravity sewer line and approximately 100 manholes to rehab the 100-year-old sewer system.			57.60	Robeson	1	\$2,635,000		\$2,635,000	WW	95	85.00	55	25	5	1. Claimed 10 extra points for severity of need in work orders for line breaks than allowed (-10).	
Autryville, Town of	Water System Upgrades	The Adams Company, Inc.	Low water pressure. Install 460 LF of 6" water line to more directly serve the area of low pressure. Install 178 automatic meter readers to manage the water system.			56.10	Sampson	2	\$357,000		\$357,000	DW	104	85.00	55	30	0	1. Claimed points for low pressure and for water loss (-15). 2. Claimed four points for a water loss prevention plan but did not submit an actual plan (-4).	
Princeville, Town of	Pump Stations & Collection System Improvements	The Wooten Company	A water and wastewater system evaluation was completed in 2013. For the wastewater system alone, \$5.14 million in manhole, collection system, and pump station rehab was identified. The project will convert the 1) In the Curve PS from a suction-lift to a submersible PS, and will rehab three other pump stations (Church, Carney and Greenwood) that serve the LMI areas of Princeville. In addition, the Lakeside PS will receive appurtenances necessary to provide redundancy during power outages. Twenty-five manholes will be point repaired, seventeen manholes will be rehabbed, and twelve will be replaced.			76.00	Edgecombe	1	\$1,267,600		\$1,272,600	WW	89	84.00	55	25	4	1. Miscalculated combined water and sewer rates vs. MHI (-5).	
Winton, Town of	Oak Villa Sewer Rehab & Pump Sta Sewer Con	The Wooten Company	The project involves construction of 5,800 LF of new 8 inch gravity sewer, one new duplex pump station, 11 manholes, 16 service laterals replacement, 1,600 LF of 4 inch force main and abandonment of four simplex pump stations. Electrical and pump redundancy will be improved for all customers in the project area.			60.89	Hertford	1	\$1,300,550		\$1,315,550	WW	94	84.00	50	25	9	1. Claimed 15 points for LMI but the calculation was incorrect (-10).	
Black Creek, Town of	Sanitary Sewer Extension	Herring Sutton & Associates	The project will install approximately 1.2 miles of 8" diameter gravity sewer and connect 45 new sewer services along with the abandonment of approximately 45 existing failing or non-code compliant septic tanks. Also, the project will include 2 new wastewater pumping stations.	45	\$27,766	67.31	Wilson	1	\$1,249,500		\$1,348,900	WW	88	84.00	25	50	9	1. Claimed 15 points for LMI but survey did not include non responses recalculated LMI 67.31% (-5). 2. The water and sewer rates vs. MHI were calculated incorrectly (+5). 3. This project not included in CIP (-2). 4. This is not a truly regionalized system. (-2).	
Franklinton, Town of	Wastewater System Rehab	Municipal Engineering Services	The Town of Franklinton has high inflow and infiltration. This project will replace 4,800 LF of 8" gravity sewer, reducing the inflow and infiltration.			70.20	Franklin	2	\$1,500,000		\$1,500,000	WW	86	82.00	55	25	2	1. The water loss prevention program is insufficient (-4).	

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Red Springs, Town of	Water Treatment Plant Upgrade	McGill Associates	This project will replace a 45-year-old, two MGD water treatment plant with a new two MGD water treatment plant.			53.30	Robeson	1	\$3,000,000		\$3,581,000	DW	104	80.00	50	25	5	1. Claimed NOV points but this project is not mitigating the problem with WTP (-20). 2. Claimed water loss prevention program but water shortage plan submitted (-4).	
Roseboro, Town of	Roseboro Water System Improvements	The Adams Company	This project will upgrade an over 30-year-old treatment plant, install additional pipe to loop lines to areas of low fire flow, install a new 10" line connection to Sampson County so this line can be put back in service, replace/add valves and hydrants to the system for effective control and use of the water system, and install an AMR system to address the greater than 30% water loss.			56.10	Sampson	2	\$1,834,000		\$1,884,000	DW	192	80.00	25	50	5	1. Claimed NOV for reporting issue not mitigating the problem and per DWR the problem is solved (-20). 2. Claimed contaminated drinking water points; this is a choose one option (-50) 3. Claimed low pressure; this is a choose one option (-15). 4. Claimed WTP older than 30 years; this is a choose one option (-25). 5. Claimed CIP points but the CIP is dated 2007.	2nd Public Hearing published 10 days counting hearing; Draft minutes for 2nd Public Hearing were submitted
Gibson, Town of	Wastewater System Improvements	The Wooten Company	The Town of Gibson has high inflow and infiltration. This project will replace the existing pumps, controls and appurtenances of the Church Street pump station with ones of equivalent size and capacity. An emergency bypass pumping connection will be installed. In addition, approximately 50 LF of storm drain will be replaced at Main Street and Old Mill Road. Point repairs of the existing sewer main, and the lining of approximately 400 LF of sewer main will also be conducted.			57.00	Scotland	1	\$344,453		\$344,453	WW	80	80.00	55	25	0		
Aulander, Town of	Sewer System Improvements	Wooten Company	This project will rehab 5,170 LF of gravity sewer and replace 4,230 LF of sewer lines and 30 manholes. The town has a high inflow and infiltration rate.			71.26	Bertie	1	\$1,629,800		\$1,643,300	WW	81	76.00	40	25	11	1. The LMI percentage was calculated incorrectly (-5).	
McAdenville, Town of	Water System Improvements	McGill Associates	The Town of McAdenville has a water loss of greater than 30%. It also wishes to consolidate water operations with Two Rivers Utilities, a consolidated system serving Gastonia, Cramerton, Bessemer City, King's Mtn., Lowell, Ranlo and Clover, SC. This project replaces 8,800 LF of water line in McAdenville, to help reduce water loss.			52.80	Gaston	2	\$1,511,011		\$1,511,011	DW	119	75.00	20	50	5	1. Poverty rate was calculated incorrectly (-5). 2. Project will not regionalize the water system (-35). 3. The CIP is a capital budget (-2). 4. This is not truly regionalized management (-2).	
Andrews, Town of	Payne St. Sewer Improvements	McGill Associates	This project will address an area having 4" VCP sewer pipes with leakage and frequent breaks. Replace VCP lines with 4,400 LF 8" DIP with manholes, installation of service lines, associated replacement of adjacent storm drain piping.			74.12	Cherokee	2	\$1,250,000		\$1,250,000	WW	59	74.00	45	25	4	1. The LMI was calculated incorrectly (+5). 2. The water and sewer rates vs. MHI was incorrectly calculated (+10).	
Ahoskie, Town of	Pump Station Replacements	Wooten Company	Project will replace two pump stations at the end of their useful life. Replacement pump stations will contain duplex pumps and backup generators. In addition, 1,100 LF of new 4" force main will be installed to replace existing force main.			55.60	Hertford	1	\$900,000		\$900,000	WW	84	74.00	45	25	4	1. The LMI was calculated incorrectly (-10).	
Warrenton, Town of	Sewer Improvements	Municipal Engineering Services	The Town of Warrenton has an aging wastewater collection system. This project will replace 4,775 LF of 8" terra cotta and 1,075 LF of 10" terra cotta sewer line and manholes with ductile iron and PVC pipe, and install steel reinforced concrete manholes to replace the old brick manholes.			71.96	Warren	1	\$1,100,000		\$1,100,000	WW	73	73.00	40	25	8		
Taylorsville, Town of	2014 WWTP and Collection System Rehab Project	West Consultants	Inflow and infiltration and wastewater treatment plant deficiencies. Rehab with CIPP 16,755 LF for 8-15" gravity lines; 30 spot repairs; replace 1,330 LF of 6" VCP pipe; 22,085 LF of CCTV and cleaning; 10 manhole rehabs, smoke testing of 68,000 LF of gravity line. Upgrade two clarifiers at the WWTP, and both aeration basins. Upgrade office interior (cabinets and countertops).			53.20	Alexander	2	\$1,669,726		\$1,669,726	WW	72	72.00	40	25	7		Applying for a state grant as well in this round. September 2013 CWSRF applications are being reconsidered.

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Elizabethtown, Town of	Water Supply Well Replacement Project	WK Dickson	This project will replace a 30-year-old well that has experienced a siltation of the gravel pack, reducing its yield from an initial 700 GPM to 188 GPM, despite attempts to rehabilitate the well. This well is one of four wells serving Elizabethtown, two of which are out of service. A new production well, and a well house will be constructed and a generator purchased. The existing well and well house will be demolished. The new well will allow the town to be compliant with pumping the average daily demand in a 12-hour period.			53.60	Bladen	1	\$485,500		\$555,500	DW	81	72.00	40	25	7	1. Poverty rate is incorrect (-5). 2. Claimed both CIP points and awarded points only for CIP. Asset Mgmt. Plan insufficient (-4).	
Murphy, Town of	Regal St Sewer Improvements	McGill Associates	This project will address an area in Murphy having a 50-year old sewer line that frequently breaks. The project will replace 2,700 LF of 6" VCP with a n equivalent LF of 8" DIP sewer line.			84.17	Cherokee	2	\$850,000		\$850,000	WW	67	72.00	45	25	2	1. Miscalculated the water and sewer rates vs. the MHI (+5).	
Middlesex, Town of	Lift Stations Replacement/Rehabilitation	Charles R. Underwood Inc.	The Town of Middlesex has pump stations that are aging; five are over 20 years old; others are 17-18 years old (total of nine). The pump stations are not compliant with the 2T rules requiring back-up power; also, minimum design standards were not followed. This project will replace/rehab eight lift stations, replace five backup generators, construct eight bypass connections, seven site grading improvements, rehab five control panels, install five air relief valves, and three check valves.			58.50	Nash	2	\$896,894		\$896,894	WW	72	72.00	40	25	7		
Warsaw, Town of	Sanitary Sewer Improvements	McDavid Associates	The Town of Warsaw proposes to rehabilitate/replace the older sewer collection assets. Sewer replacement will eliminate "hammer taps", insufficient pipe slope, and mis-aligned piping segments. Construction will include approximately 4,875 +/- LF of gravity sewer collection, 14 EA manholes, and replacement of 100+ sewer service connections.			78.82	Duplin	2	\$1,649,000		\$1,649,000	WW	70	70.00	65	0	5		411 Plank St. not included on the summary
Selma, Town of	Small Water Line Replacement	The Wooten Company	The Town of Selma has been experiencing repetitive problems with breaks in their small diameter water lines. This project will replace the small diameter galvanized water lines and switch residents from the smaller old lines to either larger existing lines or new lines. This project will replace approximately 24,500 feet of water lines. The customers have been complaining about poor water quality and color in the water due to the small diameter galvanized water lines. The town has to waste a significant amount of water to flush discolored water through the water system and the small diameter water lines do not allow for optimal water velocities to adequately flush the system.			75.10	Johnston	3	\$2,555,960		\$2,555,960	DW	90	70.00	65	0	5	1. Claimed water loss but insufficient documentation was provided (-20).	
Richmond, County of	Old Cheraw Waterline Extension	Municipal Engineering Services	This project will Install approximately 16,000 LF of 8" and 3,500 LF of 6" waterline to alleviate dry wells in the Old Cheraw area, serving 35 homes.	35	\$45,271	54.90	Richmond	1	\$1,584,500		\$1,709,500	DW	75	70.00	30	40	0	1. Miscalculated the water and sewer rates vs. MHI (-5).	
Windsor, Town of	Taylor St. Sewer Replacement/Pump Station Replacement	The Wooten Company	The Town of Windsor has an old wastewater collection system that has been flooded multiple times over the years. This project will replace the 80 GPM pump station in-kind at Windsor Village and replace approximately 1,800 LF of 8-10" sanitary sewer main along Taylor St.			64.00	Bertie	1	\$824,470		\$839,470	WW	62	69.00	35	25	9	1. Claimed 5 points for water and sewer rates vs. MHI, but the calculation was not correct (+5). 2. Asset Mgmt. Plan included in the application (+2).	
Maysville, Town of	WWTP Improvements	Withers and Ravenel	Improve the town's WWTP in an effort to address NOVs received. Install a screen on the influent pump station, add an equalization basin, and make improvements to the aeration basin and the sand filter.			51.10	Jones	1	\$687,000		\$687,000	WW	72	67.00	20	45	2	1. The water/sewer rates vs. MHI were calculated incorrectly (-5).	
Clarkton, Town of	Sewer Rehabilitation Project	Withers & Ravenel	The Town of Clarkton has a high inflow and infiltration rate. This project will clean and reconstruct 7,500 LF of 8" concrete sewer and rehabilitate approximately 300 VF of 4' manholes.			55.10	Bladen	1	\$502,600		\$512,600	WW	105	66.00	55	0	11	1. The water and sewer rates were miscalculated (+10) . 2. No NOVs submitted in the application (-20). 3. No documentation of the age of the sewer lines(-25). 4. Asset Mgmt. Plan condition of the WWTP elements and manholes not known (-4).	

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Wallace, Town of	Gravity Sewer Rehabilitation Phase 2	Stroud Engineering	This project will reduce inflow and infiltration into the collection system for the Town of Wallace by lining of gravity sewer lines and sealing manholes within the project area. The project will line 18,235 LF of deteriorated and leaking sewer collection lines.			75.90	Duplin	2	\$1,206,169		\$1,206,169	WW	66	64.00	30	25	9	1. Claimed points for regionalized mgmt. but did not provide the interlocal agreement with Teachey (-2).	
Bunn, Town of	Water System Improvements	Municipal Engineering Services	The project consists of the replacement of 4,400 LF of 6" water line with new PVC pipe, the replacement of 12 inoperable valves with new valves, the replacement of four inoperable hydrants, the replacement of 17 water service connections to the property line and the disconnection of four abandoned wells which are still connected to the distribution system.			66.70	Franklin	2	\$730,000		\$730,000	DW	68	64.00	25	30	9	1. The asset management plan contains only wastewater projects; this is a water project (-4).	
St. Pauls, Town of	Inflow and Infiltration Project	Koonce, Noble and Associates	This project will address significant inflow and infiltration problems in the sewer lines in the Elizabeth Street area of St. Pauls, as well as address the problem of flooding at the admin/lab building and effluent pumps at the Wastewater Treatment Plant during rain events. During rain events, the admin/lab building and the effluent pumps are submerged. This project will replace 2,275 LF of VCP with PVC pipe; replace 11 brick manholes with new standard manholes, cut-in and stub-out 135 sewer services, relocate and replace the town's admin/lab building, and purchase a mobile sewer effluent bypass pump.			60.90	Robeson	1	\$697,770		\$698,770	WW	67	62.00	35	25	2	1. Poverty rate of 31.1% should get 20 points, not 25 (-5).	
Farmville, Town of	Basin 5 Sanitary Sewer Improvements	McDavid Associates	Inflow and infiltration. Replace 5,700 LF of gravity sewer line, 30 manholes, and 60 sewer service connections.			63.60	Pitt	2	\$1,557,600		\$1,557,600	WW	96	61.00	50	0	11	1. Poverty rate for Farmville is 29.4 % for 15 points (-10). 2. Collections lines are 34 years old, not 40 years old (-25).	
Hyde, County of	Englehard Sanitary District WWTP Rehab	Rivers & Associates	The Englehard Sanitary District has a failing wastewater lagoon. The lagoon berm is eroding, and improper venting of the soils under the lagoon causes the lagoon liner to bubble up. This project will repair or replace the lagoon with a new lagoon.			63.00	Hyde	1	\$2,511,000		\$2,511,000	WW	75	60.00	30	25	5	1. Water and sewer rates vs. MHI were miscalculated (-5). 2. Claimed future compliance with recent regulations points, but project is not for compliance for future regulations; it is for rehab of a WWTP that is less than 10 years old (-10).	
Bryson City, Town of	Gravity Sewer System Carringer St	McGill Associates	Bryson City has high inflow and infiltration. This project will replace 4500 LF of 8" and 6" VCP sewer line in a low-income area.			81.20	Swain	1	\$850,000		\$850,000	WW	74	59.00	30	25	4	1. The water and sewer rates vs. MHI were calculated incorrectly (-15)	
Whiteville, City of	Sanitary Sewer System Rehabilitation	Green Engineering	The proposed project will replace a portion of the interceptor sewers located along Mollie Branch. The project includes replacing approximately 310 LF of 8 inch, 430 LF of existing 10 inch, 1,310 LF of existing 12 inch, and 1,975 LF of 15 inch diameter sewer mains and 21 manholes, and repairs to 25 other sanitary sewer manholes in the vicinity.			54.97	Columbus	1	\$725,982		\$775,982	WW	80	55.00	50	0	5	1. Claimed points for severity of need but did not provide documentation of age of wastewater lines (-25).	
Bryson City, Town of	Water System Replacement	McGill Associates	This project addresses an area in Bryson City with 2" and 6" galvanized and PVC water lines. The galvanized lines are due for replacement, and will be replaced by 4,100 LF of new 2" PVC and 6" ductile iron pipe and associated valves, fire hydrants, meter services, and surface restoration.			81.20	Swain	1	\$541,667		\$541,667	DW	69	54.00	30	20	4	1. The water and sewer rates vs. MHI were calculated incorrectly (-15)	
Cerro Gordo, Town of	Water System Improvements	The Adams Company, Inc.	Well houses, equipment, and treatment facilities are corroded due to exposure to moisture. Upgrade two well houses. Install two generators. Replace 20-year-old meters with 85 new automated read meters. Construct an interconnect with Columbus County water.			55.00	Columbus	1	\$593,600		\$593,600	DW	55	50.00	30	15	5	1. Claimed points for water loss and plant age, must choose one (-5).	
Boonville, Town of	Town of Boonville Sewer Rehabilitation	Municipal Engineering Services	This project will replace 3,361 LF of 8" sewer line and 25 manholes. In addition, the project will construct WWTP modifications to the bar screen, aeration basins, and install new aeration blowers for efficiency.			54.50	Yadkin	2	\$610,000		\$610,000	WW	77	50.00	30	20	0	1. There was insufficient documentation that the plant was older than 30 years (-25). 2. One page CIP and this project not included (-2).	
Pollockville, Town of	Water System Improvements	McDavid Associates	This project will replace approximately 10,000 LF of 6" water line due to age and water loss.			74.60	Jones	1	\$863,000		\$863,000	DW	54	49.00	45	0	4	1. Claimed Operations Ratio points but provided no calculation (-5).	

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Ayden, Town of	Sanitary Sewer Improvements	McDavid Associates	Inflow and infiltration. Project will replace 40-year-old VCP piping with 6,200LF of gravity sewer collection line, 27 manholes, and 80 sewer service connections.			58.20	Pitt	2	\$1,359,600		\$1,359,600	WW	97	47.00	40	0	7	1. The LMI percentage for the project area is 58.17%, for five points (-10). 2. The poverty level is 23.2%, for 10 points (-15). 3. Age of the sewer lines could only be determined to be older than 34 years (-25).	
Turkey, Town of	Water Treatment and System Upgrades	The Adams Company, Inc.	Well houses, equipment, and treatment facilities are corroded due to exposure to disinfection chemicals. Replace well house, equipment, and treatment facilities; construct separate storage for chemicals; install a generator; replace 30-year-old meters with 150 new automated read meters.			61.60	Sampson	2	\$671,000		\$671,000	DW	45	45.00	15	25	5		
Maysville, Town of	Sewer Line Replacement Project	Withers and Ravenel	Inflow and infiltration. Replace 1,874 LF of concrete sewer line with PVC, and replace 14 connections.			54.50	Jones	1	\$388,125		\$388,125	WW	57	40.00	20	20	0	1. The water/sewer rates vs. the MHI was not calculated correctly (-5). 2. No documentation was submitted for work orders for line breaks (-10). 3. The proposed project was not listed in the CIP, therefore, no CIP points were awarded (-2).	
Northampton, County of	Garysburg Sewer System Project	McKim & Creed	The Town of Garysburg sends its wastewater to Weldon for treatment through an aging 10" DIP force main that is deteriorating due to hydrogen sulfide gas that is thinning the pipe walls. This project will replace approximately 8,000 LF of 10" sewer force main and upgrade the five sewer pump stations serving Garysburg.			56.50	Northampton	1	\$1,667,805		\$1,667,805	WW	65	40.00	35	0	5	1. Claimed line age as severity of need but lines are only 36 yrs. old (-25).	
Dublin, Town of	Water System Improvements	Withers & Ravenel	The Town of Dublin relies on one well for its water supply, with a backup supply from Bladen County Water. A second well was taken off line due to blackwater infiltration from the Cape Fear River. In order to meet the minimum requirement of two wells for communities over 50 connections, a new well is being proposed. This project will construct a new well, well house and chemical feed for disinfection with a transmission line to connect to the existing system.			51.20	Bladen	1	\$289,050		\$289,050	DW	82	37.00	25	5	7	1. Water and sewer rates vs. MHI miscalculated (+5). 2. Water contamination claimed, but insufficient documentation provided (-50).	
Navassa, Town of	Sanitary Sewer Improvements	McDavid Associates	This project will sewer 21 homes with failing septic systems. The project will construct approximately 5,000 LF of 8-inch and 500 LF of 10-inch gravity sewer, 16 manholes, one duplex sewer pump station and associated force main, 100 LF of sewer, and 21 house connections.	21	\$59,261	75.60	Brunswick	3	\$1,244,500		\$1,255,000	WW	30	30.00	25	0	5		
Long View, Town of	2014 CDBG Waterline Repair Project	McGill Associates	The Town of Long View has four areas of water line in town that need repair. Lines are over 40 years old; there is more than 30% water loss in the system. This project will replace 13,500 LF of 6" cast iron lines and approx. 1900 LF of 2" galvanized water lines including new valves, hydrants, taps, and appurtenances.			52.50	Catawba	2	\$2,656,500		\$2,656,500	DW	77	25.00	25	0	0	1. Claimed water loss greater than 30% with but only provided one page from the AWWA software results (-50). 2. Claimed CIP points but it is a Capital Budget (-2).	
Maysville, Town of	Water Tank Construction	Withers and Ravenel	Town's current 75,000-gallon water storage tank is insufficient. Project will construct a new, higher, 150,000-gallon water storage tank, two altitude valves, and upgrade the water treatment plant booster pumps.			51.10	Jones	1	\$683,000		\$683,000	DW	42	20.00	20	0	0	1. The water/sewer rates vs. MHI was scored incorrectly (-5). 2. No back-up documentation was submitted for low water pressures (-15). 3. CIP does not include the water system (-2).	

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<b>INCOMPLETE APPLICATIONS</b>																			
Chatham, County of	Nature Trail MHP Water System Improvements	Withers & Ravenel	The County proposes to replace 3,200 LF of 6" water line and fire hydrants to improve water flow and fire protection through a loop connection to the 8" trunk line. This project will also replace the remainder of the undersized, deteriorated and improperly installed water lines outside of the street right of way with 6,000 LF of new 2" extensions into the shorter dead end streets with new isolation valves and fire hydrants at each intersection with either the existing 8" trunk line or proposed 6" loop line.			Undetermined	Chatham	3	\$750,000		\$787,500	DW	118	Incomplete				Incomplete. 1. The county must certify the LMI status of the area to be served by verifying the letter submitted by the community and by verifying the lines will be run in public easements (-25). 2. Water and sewer rates were calculated incorrectly (-5). 3. Claimed low water pressure; this is a choose one option (-15). 4. Water Loss Prevention Plan not proactive with water leaks/prevention (-4). 5. This is not a truly regionalized system (-2). <b>Scored 67.</b>	
Clinton, City of	Water System Improvements	The Wooten Company	Clinton has an aging water system over 50 years old, with few valves, and has significant water loss. This project will install 6,750 LF of 6" PVC and 750 LF of 6" DIP in two LMI areas in Clinton. Existing 2" lines will be upgraded to 6", valving and fire hydrants will be included.			72.00	Sampson	2	\$910,000		\$960,000	DW	102	Incomplete				Incomplete. 1. Water and sewer rates not certified, therefore we cannot determine the rates vs. the MHI of the applicant. (-10). 2. Claimed low pressure; this is a choose one option (-15). 3. Could not tell if this project is included in the CIP (-2). <b>Score 75</b>	
Cofield, Town of	Water System Improvements	McDavid Associates	The Town of Cofield proposes to replace existing water distribution assets with PVC waterline. New waterlines will eliminate water losses and replace aged facilities that have become increasingly difficult and costly to maintain. Construction will include approximately 2,500 LF of 2" waterline, 18,500 LF of 4" waterline, and 12,200 LF of 6" waterline. A total of 33,200 LF of waterline will be replaced.			59.50	Hertford	1	\$1,493,300		\$1,493,300	DW	35	Incomplete				Incomplete. 1. Severity of need for the project not documented (-10). <b>Score 25</b>	
Columbus, County of	Columbus Co W & S Dist. II Water System Ext.	Green Engineering PLLC	This project will provide water to 105 customers with contamination issues, and collapsing wells, and other operational issues with their wells. The total line footage is 43,000 LF of 2 to 6 inch water mains.	105	\$12,351	Undetermined	Columbus	1	\$1,296,918		\$1,349,418	DW	109	Incomplete				Incomplete. 1. Survey needed for the project area to document LMI (-5). 2. Claimed low water pressure; this is a choose one option (-15). 3. This project not included in CIP (-2). 4. System is not truly regionalized (-2). <b>Score 85</b>	
Cove City, Town of	Water System Improvements	McDavid Associates	Town has THM and HAA contamination from water sent to it from New Bern. Project will construct a 100,000-gallon elevated storage tank, and one supply well, all electrical controls and site piping necessary.			Undetermined	Craven	2	\$2,126,300		\$2,126,300	DW	90	Incomplete				Incomplete. Need map of the LMI area.	
Craven, County of	James City STEP Pump Improvements	Avolis Engineering	This project will replace 70 STEP systems (septic tanks, pumps and controls) and reconnect them to the existing low pressure main system network. Also, 20 connections will be made to houses with failing septic systems.	20	\$9,335	Undetermined	Craven	2	\$695,200		\$776,200	WW	145	Incomplete				Incomplete. 1. Could not distinguish the project area or verify LMI (-25). 2. No map of project area noting failing septs more than 20% (-50). 3. Operating ratio is lower than one (-5). <b>Score 65</b>	Applicant needs to indicate who owns the STEP systems. The connection costs were calculated by pulling out the cost of the line and tap fees and dividing it by the number of connections.

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Dover, Town of	Water System Improvements	McDavid Associates	Dover operates a small central water system with small diameter galvanized piping, unlined cast iron and asbestos concrete piping. The town has high waterline replacement/repair costs, and claims water loss. This project would replace 100 LF of 2 to 4 "water line; 5,650 LF 6" water line; and 2,350 LF of 8" water line.			53.72	Craven	2	\$883,000		\$883,000	DW	40	Incomplete				Incomplete. 1. No documentation of critical need for work. 2. No affidavits of publication of the notice of public hearing in the application. <b>Score 40</b>	
Drexel, Town of	North Drexel Water Rehabilitation Project	West Consultants	Area has 40-year-old water lines; 23 breaks in the past 18 months; replace 30,000 LF of 2", 6", and 8" water mains, associated valves and hydrants, and 355 water service connections			52.60	Burke	1	\$2,296,060		\$2,296,030	DW	55	Incomplete				Incomplete. Could not distinguish the project area in the maps provided. Possibly used the wrong block group as a reference for the LMI percentage.	
Edenton, Town of	Rehabilitation of Tyler Ln & Jackson St Pump Sta.	The Wooten Company	The town has two pump stations, aged 52 and 44 years old. Both have corroded from hydrogen sulfide gas and have dangerous and outdated confined spaces for workers to get into to maintain the pump stations. This project would convert both pump stations from a wet-pit/dry-pit configuration to submersible pump configurations, and include emergency bypass connections, pumps and controls, remote monitoring, standby power, flow meters, and increased site security.			Undetermined	Chowan	1	\$904,130		\$914,130	WW	89	Incomplete				Incomplete. 1. Part of the service area refused to be surveyed or share LMI information (-25). 2. Claimed Water Loss Prevention Plan points but water loss more than 10% should include proactive steps (-4). <b>Score 60</b>	
Edgecombe, County of	Sewer to Town of Speed & Vicinity	The Wooten Company	This project will install 23,465 LF of 8-, 10-, and 12-inch gravity sewer lines, 68 manholes, 15 service laterals, four duplex pump stations, and 48,480 LF of force main to sewer the Town of Speed and vicinity. A total of 105 customers would be served.	105	\$16,940	Undetermined	Edgecombe	1	\$1,778,803		\$6,037,475	WW	123	Incomplete				Incomplete. 1. LMI percentages could not be determined (-15) . 2. Operating ratio is not equal to greater than one (-5). 3. Claimed Regionalized mgmt. points but applicant must be the one who own the regionalized system (-2). <b>Score 101</b>	LMI could not be determined.
Elizabeth City, City of	Harrington Rd Sewer Replacement Project	Hyman & Robey	The Harrington Road neighborhood has a 60 year old terra cotta sewer collection system, that was installed with a low slope, causing sewer backups in homes. The project will replace of approximately 1,700 LF of 8- to 18-inch terra cotta gravity sewer lines that have deteriorated.			Undetermined	Pasquotank	1	\$786,361		\$786,361	WW	77	Incomplete				Incomplete. 1. Unable to determine LMI (mapping not sufficient to document project area) (-5). 2. Poverty rate is incorrect (-10) 3. Water and sewer rates vs. MHI are calculated incorrectly (-5). <b>Score 57</b>	
Elizabeth City, City of	Raw Water Transmission Replacement	Hyman & Robey	The primary raw water line for Elizabeth City is aging, and installed in an exposed area within 20 feet of moving traffic. The line has become brittle and needs to be replaced. This project will install of approximately 8,000 LF of 14-inch raw water main to replace a main with the potential to fail.			Undetermined	Pasquotank	1	\$735,600		\$735,600	DW	117	Incomplete				Incomplete. 1. Unable to determine LMI (-5). 2. Water and sewer rates vs. MHI calculated incorrectly (-5). 3. Claimed low pressure at fire flow; this is a choose one option (-15).. 4. Claimed points for drinking water supply shortage; this is a choose one option (-5) . 5. Insufficient information to verify the operating ratio (-5) . 6. Claimed CIP points but this project not included (-2); <b>Score 80</b>	
Elk Park, Town of	WWTP & Collection System Upgrade	Brown Consultants	The Town of Elk Park has a 17 year old WWTP in need of rehabilitation. This project would replace the manual bar screen, replace air piping and blowers for aeration, repair broken-down clarifiers, replace the chlorine-contact chamber (original too small), and paint the WWTP package-plant. In addition, this project would extend 2,700 LF of 8-inch gravity sewer to serve 23 houses on old septic systems, and rehab 250 vertical feet of leaky sewer manholes.	23	\$19,770	59.70	Avery	2	\$1,891,486		\$1,891,486	WW	100	Incomplete				Incomplete. 1. Claimed documentation of need, but no work orders were provided (-10) . 2. Claimed failing septic systems in excess of 10% in project area (-30). 3. Claimed need is for future compliance with recently promulgated regulations; ammonia limit has been in effect for 10 years.(-10) <b>Score 50.</b>	This project if resubmitted needs to be split into 2 projects (WWTP rehab and line extension to failing septic) with stronger documentation of severity of need.

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Forest City, Town of	Grahamtown & Oak St Sewer Replacement Lines	McGill Associates	The Town of Forest City has high inflow and infiltration. This project will replace approximately 5,900 LF of 8-inch VCP with 8-inch PVC or DIP on the following roads: Forest Street, Third Street, Washington Heights, First Street, Thompson Street, Weathers Street and Second Street. Precast manholes will replace existing brick manholes. The project will also replace or rehabilitate approximately 1,150 LF of existing 8-inch VCP with 8-inch sewer along and across Oak Street. The entire project includes approximately 7,050 LF of 8-inch sewer replacement/rehabilitation.			Undetermined	Rutherford	1	\$1,374,200		\$1,374,200	WW	115	Incomplete				Incomplete. 1. Project area needs to be surveyed to document LMI (-5). 2. Claimed work orders to document need; this is a choose one option (-10) <b>Score 100.</b>	There is no documentation of public hearings or of publication of notices of public hearings.
Hertford, County of	Elevated Storage Tank & Aux. Water Supply	Green Engineer PLLC	This project will assist the Millennium Water Corporation by extending the existing Hertford County 4 inch diameter water main approximately one mile to connect with the Millennium Water distribution system to provide for a back up supply of water to the remote system. A 100,000 gallon elevated storage tank is also planned to replace the undersized and inadequate hydro pneumatic storage tank presently in use. Other improvements to the Millennium Water system include extensions of 7,000 LF of 6" water main from the proposed tank to connect with the other 6" main in the system and the installation of ten fire hydrants throughout the system.			Undetermined	Hertford	1	\$1,220,107		\$1,220,107	DW	127	Incomplete				Incomplete. 1. Area to be served is the Millennium Water Corporation service area; this area must be surveyed for the LMI percentage (-5). 2. Poverty Rate is incorrect (-5) 3. Water rates are calculated incorrectly (-20). 4. Claimed water loss work orders (-20) 5. Claimed to be regionalizing a system; it is not (-35); 6. Claimed drinking water supply shortage; this is a choose one option (-5); 7. Claimed secondary water supply connection; this is a choose one option (-5); 8. This is not a truly regionalized system (-2); <b>Score 30</b>	
High Shoals, City of	School Street Sewer Project	Robinson-Sawyer	The Town of High Shoals has problems with high inflow and infiltration. The wastewater system in the project area dates to 1930s; and has significant inflow and infiltration. This project will replace 4,000 LF of 8" gravity sewer, and replace 20+ manholes and replace all service lines to 53 houses. Four failing septic tanks will be removed.			78.30	Gaston	2	\$916,773		\$938,773	WW	125	Incomplete				Incomplete. 1. The LMI was miscalculated (-10) 2. No documentation of age of the lines or pumps (-25) 3. Cannot verify the percentage or total number of failing septic systems (-50) . <b>Score 40</b>	No affidavit of publication of the public hearing notices; tab 19 is missing; overall incomplete application.
Kings Mountain, City of	Hillcrest Drive Neighborhood Sewer Project	Joel E Wood & Associates	The Town of Kings Mountain wants to install 9,100 LF of 8" gravity sewer line, repair one existing lift station and install three new lift stations to serve 113 single family homes in the Mountain Crest Dr. area. The area includes Mountain Crest Drive, Lake Montonia Rd. Gold Mine School Rd., Tabernacle Dr., Curry Rd., George Lewis Rd. Lewis Curry Rd., and Bibleway Church Rd.	113	\$19,962	66.80	Cleveland	2	\$2,255,800		\$2,512,500	WW	105	Incomplete				Incomplete. 1. Claimed points for age of pumps and lines, this is a choose one option (-25). <b>Score 80</b>	Survey response rate is 70% , less than the required 75% response rate.
Laurinburg, City of	Leith Creek Sewer Outfall Rehabilitation	WK Dickson	The Town of Laurinburg has recurring sanitary sewer overflows at the Leith Creek outfall. The sewer collection lines are made of VCP; and are 36-40 years old. There have been overflows into the creek. This project would rehab 1,900 LF of outfall and 22 manholes.			Undetermined	Scotland	1	\$367,460		\$386,800	WW	105	Incomplete				Incomplete. 1. Housing Authority McIntosh Apartment Complex LMI not certified by the Town (-20). 2. Claimed Admin. Order points but no enforcement action provided (-10). 3. Claimed water loss points but this is a wastewater project (-30). 4. Gave points because sewer pipe along Produce Market Rd. is 40 years old (+25) 5. Claimed Work orders; this is a choose one option (-10). 6. Claimed OR points but ratio below 1 (-5). 7. Claimed Water loss prevention points but lacking audit program (-5). <b>Score 50</b>	



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Maiden, Town of	Western Maiden	Davis & Floyd Inc.	Area has two 12" sewer lines running into a 12" sewer line, representing at least half the town's wastewater flow; 2,700 LF 18" PVC/DIP sewer pipe and 28 4' to 5' diameter manholes.			Undetermined	Catawba	2	\$697,110		\$697,110	WW	45	Incomplete				Incomplete. Documentation of critical need for the work is needed.	
Mars Hill, Town of	Water System Improvements	McGill and Associates	Project will replace undersized, leaking water line in the town. This project will replace 10,246 LF of undersized water lines and loop waterlines to improve the efficiency of the Weaverville/Mars Hill interconnection. Hydrants will be added for fire protection.			Undetermined	Madison	1	\$963,850		\$963,850	DW	78	Incomplete				Incomplete. Insufficient LMI surveys/documentation to determine the LMI percentage.	
Mooresville, Town of	Mooresville Mill Village Infrastructure Rehab	Town of Mooresville	The Mooresville Mill Village area dates back to the 1920s, and the original water lines are still in use. This project will replace approximately 5,500 LF of existing 2-inch and smaller water mains, install new 8-inch water mains, five new fire hydrants, and loop existing water mains.			Undetermined	Iredell	3	\$774,192		\$774,192	DW	90	Incomplete				Incomplete. 1. Claimed 10 points for LMI (-10). 2. Miscalculated water and sewer rates vs. MHI (+5). 3. Claimed water loss greater than 30% but no documentation provided (-30). 4. Claimed low pressure; this is choose one option (-15). 5. Claimed secondary water supply interconnect; this is a choose one option (-5). 6. Claimed wastewater work orders but this is a water project(-10). 7. Claimed Asset Mgmt. points but it was signed but not adopted and lacks condition of assets (-4).. 8. Claimed Regionalized Mgmt. but only interconnection (-2). <b>Score 19</b>	Tab 18 & 19 missing making the application incomplete. Applicant stated a 61 to 70.9% LMI range. LMI must be calculated from census data or project area needs surveyed.
Mooresville, Town of	Mooresville Mill Village Infrastructure Rehab	Town of Mooresville	The Mooresville Mill Village area dates back to the 1920s, and the original sewer lines are in use. This project will replace approximately 21,000 LF of existing 8-inch sewer. Project will also remove the original sewer infrastructure from rear yard locations and re-locate it into street rights-of-way.			Undetermined	Iredell	3	\$2,725,800		\$2,725,800	WW	105	Incomplete				Incomplete. 1. Claimed 10 points for LMI (-10). 2. Miscalculated W&S rates (+5). 3. Claimed water loss for severity of need but no documentation was provided (-50). 4. Claimed Regionalized Mgmt. points but only interconnection (-2). <b>Score 48.</b>	Applicant stated a 61 to 70.9% LMI range. LMI must be calculated from census data or project area needs surveyed.
New Bern, City of	Water System Improvements	McDavid Associates	This project will replace approximately 2,400 LF of 6-inch water line. This is proposed along the same streets as the sewer project described below, which replaces about 3,500 LF of 8-inch sewer pipe.			93.60	Craven	2	\$215,700		\$215,700	DW	60	Incomplete				Incomplete. No severity of need for water line replacement project; We need documentation of distance between water lines & sewer lines (reason for severity of need for the project). <b>Score 60</b>	Projects are linked
Orange, County of	Historic Rogers Road Area	Orange Water and Sewer Authority	This project would extend sewer service to the Rogers Road Community north of Chapel Hill. The project will construct 8,500 LF of 4" DIP service lines, 14,344 LF of 8" sewer lines, 3,001 LF of 12" DIP sewer line, and 84 manholes to connect Rogers Road residents to the public sewer system.			Undetermined	Orange	3	\$3,000,000		\$6,130,062	WW	78	Incomplete				Incomplete. 1. Claimed 15 points for LMI (-15). 2. Miscalculated the water and sewer rates vs. MHI (+5). 3. Claimed Operations Ratio points but the equation was not provided (-5). 4. Claimed Asset Mgmt. points but this project was not included in the asset management plan (-4). <b>Score 59</b>	Incomplete. Applicant stated a 71 to 80.9% LMI range. The exact LMI percentage could not be verified by the maps provided. The applicant is urged to survey the area and resubmit.

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Robbins, Town of	Water System Improvements	The Wooten Company	The Town of Robbins has problems with disinfection byproducts and low pressures due to small line size. This project will replace existing water lines with approximately 6,500 LF of 6" and 8" waterlines and appurtenances, replace pump and controls at the booster pump station, install mixers on all three elevated tanks, and install a SCADA system with six collections sites.			Undetermined	Moore	3	\$1,021,350		\$1,021,350	DW	127	Incomplete				Incomplete. 1. Claimed LMI points but difficult to define; Survey is needed due to area not being exactly defined by block group (-10). 2. Claimed NOV points but only one was issued (-10). 3. Claimed CIP points but mixer portion of the project not included (-2). <b>Score 105</b>	Surveys are needed to define and justify LMI for project area.
Sawmills, Town of	May Rd Area CDBG Sewer Project	West Consultants	This project will extend public sewer service to the May Road area of the Town of Sawmills. The project will provide sewer to 189 units with a 58 percent low to moderate income level. A total of 22 percent of the septic systems are failing. This project would extend 23,310 LF of 8" gravity line and appurtenances, 7,200 LF of 12" gravity line and appurtenances, 12,220 LF of 8" forcemain, one pump station and 189 taps and house connections.			Undetermined	Caldwell	1	\$3,000,000		\$3,340,200	WW	83	Incomplete				Incomplete. Can not verify the LMI percentage. 1. Claim points for LMI (-5). 2. Claimed points for OR (-5). 3. Claimed Water Loss Prevention Plan (-4). <b>Score 69</b>	
Shelby, City of	Washington Heights Sewer Project	Odom Engineering	This project will extend gravity sewer service to the Washington Heights Community, serving 70 homes. Cleveland County identified thirteen potential septic tank failures in this area.	70	\$9,026	Undetermined	Cleveland	2	\$631,850		\$664,350	WW	105	Incomplete				Incomplete. 1. Claimed LMI points (-5). 2. Claimed 25 points instead of 15 for poverty rate (-10). 3. Claimed 25 points instead of 15 for water and sewer rates vs. MHI (-10). <b>Score 80</b>	Survey response rate only 73.9% and LMI 44.9%. They did not count unsigned surveys as 2.41 persons per household over income.
Shelby, City of	Cameron - Lily Sewer Project	Odom Engineering	This project will extend gravity sewer service to the Cameron-Lily Community, serving 70 homes. Cleveland County identified eight potential septic tank failures in this area that will be served.	70	\$4,990	77.10	Cleveland	2	\$329,303		\$349,303	WW	110	Incomplete				Incomplete. 1. Claimed 20 points for LMI instead of 15 (-5). 2. Claimed 25 points for poverty rate instead of 15 (-10). 3. Claimed 25 points instead of 15 for water and sewer rates vs. MHI. <b>Score 85.</b>	They need second public hearing article/affidavit (article and affidavit for bid of sewer project).
Siler City, Town of	Boiling Lane Park Neighborhood Water Line	McGill and Associates	Town has a 30 percent water loss and pipes in the Boiling Lane Park area are degraded and tuberculated. This project will replace 5,600 LF of 2" through 8" water mains installed in the mid-1900s. Several looped connections will be made to improve circulation of water in the system.			Undetermined	Chatham	3	\$650,000		\$650,000	DW	92	Incomplete				Incomplete. Used area wide data; should use a survey for the area the line serves.	

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Tabor City, Town of	2014 Inflow and Infiltration Improvements	LKC Engineering, PLLC	High inflow and infiltration.. 5,900 LF of 8" gravity sewer replacement.			Undetermined	Columbus	1	\$750,000		\$800,000	WW	110	Incomplete				Incomplete. The LMI percentage could not be verified in the manner the applicant had attempted to show.	
Warren, County of	Pump Station Project	Rivers & Associates	The project consists of a new package vacuum-primed wastewater pump station, the installation of a new 6 ft. diameter precast concrete wet well, new emergency generator and automatic transfer switch, new supervisory control and data acquisition (SCADA) system, electrical gear associated yard piping and site work, and approximately 3,260 LF of 6" sewer force main to replace the Pleasant Hill Wastewater Pump Station and forcemain serving the Pleasant Hill Subdivision located in Soul City.			66.84	Warren	1	\$801,430		\$801,430	WW	70	Incomplete				Incomplete. 1. Claimed points for water and sewer rates but the rates are not certified (-20). 2. Claimed points for age of sewer system but did not provide back up documentation(-25). <b>Score 25.</b>	Water and sewer rates were not certified.
Yadkin, County of	Brooks Crossroads Area Sewer System Improvements	Davis-Martin-Powell Inc.	Failing septic systems. Project will replace 55 failing septic systems with 12,800 LF of 8" PVC pipes, and one pump station with a 6" force main.	55	\$46,665	Undetermined	Yadkin	2	\$1,850,600		\$1,850,600	WW	77	Incomplete				Incomplete. Insufficient LMI surveys/documentation to determine the LMI percentage.	
Yanceyville, Town of	Wastewater Treatment Plant Improvements	Alley, Williams, Carmen & King	The proposed WWTP improvements will provide a new aerobic digester and a digester storage tank with floating aerators. The sludge management plan will be significantly improved as a result of this project. The project also includes flow equalization enhancement which will improve the performance of the chlorine contact process and will help reduce fecal non-compliance.			Undetermined	Caswell	1	\$2,000,000		\$2,025,000	WW	102	Incomplete				Incomplete. 1. Claimed 20 points for LMI but used the block groups only since they had only 9 surveys and they did not provide tabulation sheet (-10). 2. Claimed 25 points for water and sewer rates vs. MHI but the rates were not certified (-25). 3. Claimed points for CIP but didn't show time frame for potential projects (-2). 4. Severity of need for NOV not claimed so no pts. awarded; <b>Score 65.</b>	Water and sewer rates not certified.
<b>INELIGIBLE APPLICATIONS</b>																			
Eden, City of	Junction & Bridge St Pump Sta. Rehabilitation	WK Dickson	This project will rehabilitate two pump stations, the Bridge Street and Junction Pump Stations, that handle 75% of the City of Eden's wastewater flow. The city is under an EPA administrative order to repair these two pump stations, due to repetitive sanitary sewer overflows.			47.50	Rockingham	1	\$3,000,000		\$3,673,610	WW	85	Ineligible				Ineligible. 1. LMI is miscalculated (-5) 2. This is not a truly regionalized system (-2) . <b>Score 78</b>	Ineligible; LMI percentage is less than 51% (47.5%)
Green, County of	Water System Improvements	McDavid Associates	Water loss in the system due to need for repeated flushing of water lines. Project would loop lines. Construction of 15,000 LF of 8" water line, and service to five homes,	5	\$191,192	Undetermined	Green	1	\$955,960		\$958,460	DW	105	Ineligible				Ineligible. This is an area-wide project and the LMI percentage used is very localized and will not support an area-wide project.	
Oakboro, Town of	Oakboro Waterline Replacement Project	West Consultants	The Town of Oakboro has a 37% water loss, and has received NOVs for high THMs due to dead end lines in the project area. This project will replace approximately 6,800 LF of 8" water lines due to high water loss, and looping the lines to prevent THM accumulation.			41.20	Stanly	2	\$1,122,900		\$1,122,900	DW	84	Ineligible				Ineligible. Survey tabulation needed (surveys must be signed by surveyor and homeowners) and claiming LMI 41.2% which is ineligible for CDBG-I funds; 1. LMI miscalculation (+5). 2. Combined water & sewer rates (+5). 3. Claimed points for Asset Mgmt. Plan but this project is not explicitly named (-4). <b>Score 90.</b>	Ineligible; LMI percentage is less than 51%.