

North Carolina Drinking Water State Revolving Fund (DWSRF) - Sept. 2015 Application Round - Projects
Approved for Funding by State Water Infrastructure Authority on Jan. 21, 2016 and March 4, 2016

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Number of New Connections	\$ per Connection	County	DWSRF Funding Request	Principal Forgiveness	Base DWSRF	Total Project Cost	Points Submitted	Points Verified (Total All Categories)	Project Purpose	Project Benefit	System Management	Financial Situation	Difference in Points Claimed & Verified	Staff Notes	
Funding Summary								\$54,163,153	\$4,295,975	\$42,623,743										
1	Bertie County Water District IV	Roxobel Merger/Consolidation	Green Eng.	Installation of 2.4 miles of 6-inch transmission mains, a 144,000-GPD booster pump station with rechlorination, SCADA, two pressure reducing valves, and emergency power generators at one well site and the new BPS, and replacement of four altitude valves and Roxobel's 170 service meters to merge the Town of Roxobel's water system (with failed wells) into Bertie County WD IV.	170	\$9,874	Bertie	\$1,678,550	\$500,000	\$1,178,550	\$1,712,121	88.26	85.26	25	35	12	13.26	2.L.3 Cannot earn interconnection points for a project that creates a single merged water system (-5) 3.A & 3.B Did not document adoption of the AMP under 3.B, but did earn points for CIP under 3.A instead (-10, +2) 3.E Did not document water loss reduction program. (-5)		
2	Canton, Town of	Crossroad Hill Water Association Water System Consolidation Project	Martin-McGill	Installation of approximately 12,000 feet of 6-inch and 5,500 feet of 2-inch waterlines to consolidate the failing Crossroads Hill Water Association into the Town of Canton Water System.	124	\$19,873	Haywood	\$2,464,200	\$2,464,200		\$2,464,200	77.05	75.05	30	33	5	7.05	1.C Applicant claimed 1.A (awarded), 1.C, and 1.C.1; can earn points for only one project purpose. Awarded higher 1.A points. 2.G Did not document low pressure in accordance with guidance (-10) 2.I Did not document contamination with sampling (-10) 2.L.3 Cannot earn interconnection points for a project that creates a single water system (not interconnected systems) (-5)	This project is for the consolidation of failing public water supply system and qualifies for 100% principal forgiveness	
3	Woodland, Town of	Replacement Water Supply Well	Rivers & Assoc.	Replacement of Well #1 whose production has declined from 175 gpm (in 1941) to current 75 gpm.			Northampton	\$663,550	\$331,775	\$331,775	\$676,820	73.90	68.90	25	23	5	15.90	1.C Applicant requested both 1.B (awarded) and 1.C (not awarded); can earn points for only one project purpose (-5 total)		
4	Elm City, Town of	Elm City Water System Improvements	Municipal Eng. Services Co.	Replacement of approximately 6,225 LF of 6" water lines with new hydrants, new valves and new service connections.			Wilson	\$775,000	**		\$775,000	N/A	55.65	20	13	10	12.65	Submitted as CDBG application 3.E Applicant did not document hidden leak detection.	This project is recommended to be funded thru CDBG-I	
5	Fork Township Sanitary District	2014 DWI Water Improvements	McDavid Assoc.	Installation of 38,500 lf of 8-inch through 12-inch waterlines, rehabilitation of WTP & pump station to split system into separate chlorinated and chloraminated systems to comply with DBP rules.			Wayne	\$3,300,000	\$500,000	\$2,800,000	3,344,000	90.15	55.15	12	18	15	10.15	1.B & 2.B Application did not provide documentation of failing infrastructure. (-25, +12 for rehab) (-20) 2.J The narrative does not explain an additional unit process to improve water quality. (-3) 2.L.2. The narrative does not meet the guidance requirement: did not compare to current need or show the proposal increases supply on net. (-10)		
6	Fallston, Town of	Cleveland County Water & Fallston Water System Consolidation	Martin-McGill	Consolidation of the Town of Fallston into the Cleveland County Water system including the following: Abandonment of current Fallston supply and and installation of approximately 16,900 linear feet of 12-inch water line to the Fallston water storage tank.			Cleveland	\$1,597,150	**		\$1,597,150	85.92	51.92	10	29	7	5.92	1.A Did not provide required documentation from PWS 1.B Did not document Failed Infrastructure 1.C & 1.C.1 Did not document the project does not expand capacity Awarded 1.D & 1.D.1 instead. (-30, +10) 2.B: Did not adequately document failed infrastructure (-20) 2.G: Did not document low pressure in accordance with guidance (-10) 2.K: LWSPs for 2013 & 2014 show less than 30% water loss (-3) 2.L.2: Cannot earn interconnection points for a project that creates a single merged water system (-10) 3.B: Asset management Plan does not include required O&M information; awarded 3.A (CIP) points instead. (-10, +2)	Project will not proceed without principal forgiveness. Applicant does not qualify for principal forgiveness.	

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7	Sharpsburg, Town of	Sharpsburg Water Distribution System Improvements	Upper Coastal Plain COG	Installation of approximately 4,650 lf of 6" PVC water main, 420 lf of 6" DI water main, 6,700 lf of 8" PVC water main, 500 lf of 8" DI water main, 37 new hydrants, 143 new water services, 12 auto flushing hydrant valves, and 20 new cutoff valves. Replacement of the existing booster pump station.			Wilson	\$2,000,000	\$500,000	\$1,500,000	\$2,000,000	N/A	50.22	10	10	12	18.22	Claimed CDBG rather than DWSRF points. 1.C. & 1.C.1 The 900 lf section that is being expanded from 6" to 8" line makes the project expansion. Points awarded for 1.D. & 1.D.1 instead. 2.A (CDBG) /2.B (DWSRF) Narrative did not support direct link the project to an environmental or public health benefit		
8	Thomasville, City of	Kennedy Road Area Waterline Improvements	Pease Eng.	Replacement of existing 2-inch waterline with approximately 5,430 feet of 6-inch and 2,560 feet of 2-inch distribution lines.			Davidson	\$822,924		822,924	\$239,383	49.82	49.82	20	10	7	12.82	4.A & 4.C Financial points recalculated.		
9	Oakboro, Town of	Oakboro Waterline Replacement Project	Municipal Eng. Services Co.	Installation of approximately 8,500 linear feet of 6" water line and approximately 300 linear feet of 2" water line to serve 119 homes in the southern portion of the Town.			Stanly	\$1,222,900		1,222,900	\$1,222,900	N/A	48.35	20	8	15	5.35	Submitted as CDBG application 1.C. & 1.C.1 awarded based on the 2.E.1 narrative. 2.G Did not meet the guidance requirements to document low pressure.		
10	Elkin, Town of	Raw Water Line Emergency Replacement - 2015	WK Dickson	Replacement and relocation of approximately 1,700 feet of the primary 24-inch raw water line; extension of the emergency 12-inch raw water line by approximately 3,900 feet to connect to the existing settling basin; replacement of the reservoir intake sluice gates; and installation of two new 2,100 gpm vertical turbine raw water pumps along with associated piping improvements.			Surry	\$1,737,230		1,737,230	\$1,771,975	62.12	47.20	20	3	15	9.20	2.H Claimed points for risk; did not document acute contamination. 3.A Cannot claim both CIP and AMS. 3.E Did not document water loss reduction plan (lack meter program and hidden leak detection).		
11	Calypso, Town of	2015 Water Treatment Plant Improvements	McDavid Assoc.	Replacement of the existing WTP and RW line and addition of backup power.			Duplin	\$1,685,000		**	\$1,685,000	63.16	45.15	20	3	10	12.15	1.B Did not demonstrate failed infrastructure (wells); 1.C & 1.C.1 awarded instead (-25, +20) 2.D Did not reference a promulgated but not yet effective regulation (-10) 3.F Did not document water conservation incentive rate (no step increase in cost-per-gallon) (-3)	Project will not proceed without principal forgiveness	
12	Greenville Utilities Commission	Cast Iron Water Main Rehabilitation Program - 2016	Greenville Utilities Comm.	Replacement of approximately 3,000 feet of 4-inch, 2,500 feet of 6-to-9-inch and 650 feet of 10-to-12-inch cast iron water mains in the downtown area.			Pitt	\$1,500,000		1,500,000	\$1,500,000	47.00	42.00	20	0	10	12.00	3.B Documentation does not show adoption of AMP (-10)		
13	Winterville, Town of	Elevated Water Tank and Distribution System Improvements	The Wooten Company	Rehabilitation of a 5,000 gallon elevated storage tank, replacement of 2-inch waterline with 6-inch, extension of a 6-inch waterline (150 lf) and installation a 130 KW portable generator.			Pitt	\$723,400		723,400	\$791,750	40.49	40.49	20	3	12	5.49			
14	Thomasville, City of	Pilot Drive Area Waterline Improvements	LaBella Assoc.	Replacement of approximately 33,265 feet of 2-inch waterlines with 6-inch waterlines.			Davidson	\$4,591,185		4,591,185	\$4,683,009	40.82	39.82	20	0	7	12.82	Subtotal for Category 4: Corrected addition to 12.82 points		
15	Louisburg, Town of	Louisburg Water Improvements	Municipal Eng. Services Co.	Replacement of 1,100 LF of 50 year old 1.5" galvanized water pipe with new 6" PVC/DIP along Bullock Dr. and looping of the 4" water line serving the Louisburg Elderly Apartments Complex with a new 6" water line			Franklin	\$255,000		255,000	\$255,000	N/A	38.25	20	0	5	13.25	Submitted as CDBG application 3.A & 3.B AMP and CIP documentation covers sewer infrastructure and WTP and does not cover the distribution system or this project.		

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16	Henderson, City of	Young Avenue Asbestos Cement Water Line Replacement Project	City of Henderson	Replacement of approximately 1,000 feet of 8-inch and 5,750 feet of 10-inch ACP with same-sized DIP.			Vance	\$1,548,000		1,548,000	\$1,548,000	47.31	37.31	20	0	5	12.31		Application package lacked narrative. 1.C, 1.D & 1.C.1 applicant claimed points for "old infrastructure under 1.D. However, project description indicates project is "like-for-like" rather than "expansion". 3.A CIP not included (-2) 3.B Asset Management Plan not included (-10) 3.D: Did not include plan approval letter (-5) 3.F: Did not document water conservation incentive rate (-3)	
17	Bertie County Water District II	Water System Improvements /Water Loss Reduction Project	Green Eng.	Replacement of existing system controls at 15 sites (3 BPSs, 4 wells, 4 tanks, 4 bulk meters) with SCADA and replacement of emergency power generators at one well and one BPS.			Bertie	\$1,339,350		1,339,350	\$1,366,137	46.26	37.26	12	0	12	13.26		2.J Project does not provide additional treatment (-3) 2.O Replaces existing generator but does not provide additional redundancy (-3) 3.A & 3.B Did not document claimed adoption of the AMP under 3.B, but did earn points for CIP under 3.A (-10, +2) 3.E Did not document water loss reduction program (-5)	
18	Sparta, Town of	Crestview Booster Pump Station and Water System Improvements	Anderson & Assoc.	Installation of 2,465 feet of 8-inch and 1,350 feet of 6-inch new waterline, replacement of the existing 100 gpm pump station, and replacement of smaller waterlines with 6-inch waterlines.			Alleghany	\$602,000		602,000	\$602,000	38.00	35.40	0	3	15	17.40		Claimed CDBG rather than DWSRF points. 1.C. & 1.C.1 Project description includes new waterlines (-20) 2.G Did not meet the guidance requirements to document low pressure (-10) 3.D Did not include source water protection plan approval letter as the guidance requires; included only a sourcewater assessment report (-5)	
19	Bessemer City, Town of	Water Line Replacements	Martin-McGill	Replacement of waterlines with approximately 15,600 feet of 6-inch waterline.			Gaston	\$2,317,400		2,317,400	\$2,363,748	36.88	34.88	20	0	5	9.88		3.A CIP documentation did not show adoption (-2)	
20	Marshville, Town of	Water System Improvements - 2015	LKC Eng.	Replacement of existing single-pump BPS with duplex BPS and backup generator; replacement of the sole transmission route from the BPS with 4,800 feet of 6-inch waterline; and extension of 1,800 feet of 6-inch waterline to provide distribution redundancy and close a hydraulic loop.			Union	\$1,104,240		1,104,240	\$1,104,240	52.71	29.71	0	3	15	11.71		1.C & 1.C.1 Includes installation of new waterlines (-20) 2.E.2: Application did not include a Notice of Deficiency (-3) 3.A: Narrative (but not the points sheet) claimed, but project documented 3.B	Application being reconsidered from Sept. 2014 includes transmission line funded through emergency loan program in 2015
21	Bakersville, Town of	Town of Bakersville South Mitchell Avenue Well	WK Dickson	Installation of additional well to meet current demand with the largest well out of service.			Mitchell	\$637,000		637,000	\$649,740	65.94	28.26	2	3	5	18.26		Applicant did not submit revised scoring information for 2015. 4.A & 4.C: Financial points recalculated.	

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22	Tuckaseegee Water & Sewer Authority	Water System Consolidation of the Valhalla Apartments, Campus Apartments, and Cowan Valley Estates Water Systems	Martin-McGill	Consolidation of three water systems into Tuckaseegee W&SA; Valhalla Apartments with approximately 900 LF of 8" DIP, 1,030 LF of 6" DIP, 905 LF of 2" PVC, 140 LF of 1" PVC, 100 LF of 8" HDPE, 3 hydrants, and 27 connections and meters; Campus Apartments with approximately 150 LF of 2" PVC, a meter, and a PRV; Cowan Valley Estates with approximately 2,050 LF of 6", 1,020 LF of 4", and 670 LF of 2" PVC to replace the existing 1" and 1-1/2" lines.	49	\$22,006	Jackson	\$1,078,285		**	\$1,078,285	90.26	28.26	0	13	5	10.26		Applicant claimed but did not document 1.A., 1.B., 1.C., and 1.C.1 (-30 total) 2.E.2 Application does not clearly show how the project will resolve violations or deficiencies (-3) 2.G Did not document claimed low pressure (-10) 2.K Water loss not documented via LWSP (-3) 2.I Documentation submitted is very old and is insufficient to demonstrate a current contamination issue (-10) 3.A The documentation provided illustrates board approval of an annual budget only, not approval of a CIP (-2) 3.B Application states that "not all assets have been evaluated under the system yet." The AMP must be complete, not just in progress, to earn points. (-10)	Project will not proceed without principal forgiveness
23	Henderson, City of	Knoll Terrace Water System Merger Project	City of Henderson	Installation of approximately 1,460 feet of 8-inch, 1,500 feet of 6-inch and 1,440 feet of 2-inch waterlines to consolidate the Knoll Terrace Mobile Home Park into the Henderson water system.	111	\$4,144	Vance	\$460,000			\$460,000	49.31	27.31	0	10	5	12.31		Application package lacked narrative. 1.C Failed to document that new waterlines are replacement without expansion. (-12) 3.A CIP not included (-2) 3.B Asset Management Plan not included (-10) 3.D Did not include plan approval letter as the guidance requires (-5) 3.F Did not document water conservation incentive rate (-3)	
24	Cove City, Town of	2015 Water System Improvements	McDavid Assoc.	Construction of a 100,000 gallon elevated storage tank and a 150 gpm supply well.			Craven	\$2,108,000		**	\$2,108,000	41.92	25.91	12	0	5	8.91		1.B Did not document failed infrastructure; 1.C awarded instead (-25, +12) 2.E.2 did not include copy of NOV or NOD (-3)	Project will not proceed without principal forgiveness
25	Randleman, City of	City of Randleman South Randleman Transmission Main	MBD Consult. Eng.	Construction of 10,550 feet of 12-inch waterline and a master meter / control valve station to provide a redundant feed from the Piedmont Triad Regional Water Authority.			Randolph	\$1,249,130			\$1,274,112	22.90	24.12	2	10	0	12.12		Applicant did not submit revised scoring information for 2015. 4.A & 4.C: Financial points recalculated.	
26	Oxford, City of	Water Storage Tank & Associated Water Mains	Martin-McGill	Installation of a 750,000 gallon elevated storage tank, related transmission mains, controls and a SCADA system.			Granville	\$3,139,200			\$3,201,984	53.46	23.45	0	6	7	10.45		1.D Includes new waterlines (-2) 2.B Did not document contamination or lack of managerial, financial, or technical capacity (-20) 2.E.2 Did not document contamination (-3) 3.D The applicant did not document approval of source water protection plan (-5)	
27	Scientific Water & Sewerage Corp.	Lauradale Water System Required Consolidation	Burgin Eng.	Construction of two new wells (#4 & #5), upgrade of existing well #2, addition of two new ground storage tanks and replacement of approximately 10,550 feet of existing waterline to become self-sufficient in supply rather than a purchaser from ONWASA.			Onslow	\$4,394,242			\$4,392,242	36.37	16.71	0	3	5	8.71		Applicant did not submit revised scoring information for 2015. 1.C & 1.C.1: Project includes new infrastructure (-20)	
28	Newton, City of	City of Newton Advanced Metering Infrastructure Project	Western Piedmont COG	Replacement of approximately 6,133 water meters with Automated Meter Reading system.			Catawba	\$2,913,843			\$3,861,519	13.68	11.24	0	0	0	11.24		Applicant did not submit revised scoring information for 2015. 4.A & 4.C Financial points recalculated.	

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29	Junaluska Sanitary District	Water Meter Replacement	Brown Consult.	Replacement of approximately 1,696 water meters with Automated Meter Reading system.			Haywood	\$1,041,750		1,041,750	\$1,062,585	17.92	10.92	0	0	0	10.92	3.A Documentation does not show adoptaton of CIP (-12) 3.C Operating Ratio based on operating revenue (rather than total revenue) is below 1.00 (-5)		
29A (*)	Junaluska Sanitary District	Water Infrastructure	Brown Consult.	Replacement of cast iron and asbestos cement water piping.			Haywood	\$4,233,194		4,233,194	\$1,062,585	17.92	10.92	0	0	0	10.92	3.A Documentation does not show adoptaton of CIP (-12) 3.C Operating Ratio based on operating revenue (rather than total revenue) is below 1.00 (-5)	(* Project approved by State Water Infrastructure Authority on March 4, 2016. Following the Jan. 2016 meeting, staff determined what seemed to be one application (No. 29 above) was actually two.	
30	Pine Knoll Shores, Town of	2014 Advanced Meter Infrastructure Improvements	McDavid Assoc.	Replacement of approximately 1,6793 water meters with Automated Meter Reading system.			Carteret	\$507,000		507,000	\$507,000	16.85	9.87	0	0	5	4.87	Applicant did not submit revised scoring information for 2015. 3.E Application did not document hidden leak detection (-5) 3.F Did not document water conservation incentive rate (step increase in cost-per-gallon is at 5,001 gallons) (-3)		
31	Rutherford College, Town of	Town of Rutherford College 2015 Water System Improvements Project	West Consult.	Replacement of 2-inch galvanized steel pipe with approximately 5,300 LF of 6-inch and 3,700 LF of 2-inch lines including closing of loops and installation of approximately 30 blow-off valves.			Burke	\$474,430		474,430	\$474,430	8.69	7.32	0	0	0	7.32	1.D Project includes new lines (-2) 4.A & 4.C Financial points recalculated.		
					Total DWSRF Funding Approved for Sept. 2015 Application Round:							\$46,919,718								