

Drinking Water State Reserve Projects - April 2018 Application Round
Agenda Item I

The colors in this legend represent the example funding scenario described in the Staff Report.

	Funded in State Reserve
	Funded in DWSRF
	Funded in State Reserve and DWSRF
	Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Brief Project Description	Provided Additional Information	County	Total Funding Requested	Total Grant Amount	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY							\$58,774,635	\$4,659,268	\$2,472,804									
1	Enfield, Town of	Phase 4 Water System Improvements Project	Engineering Services, P.A.	Installation of 15,000 of replacement / upsized waterlines and 1,175 feet of new loop-closing waterlines, replacement of Cook Street Tank control valves	No	Halifax	\$2,109,843	\$2,109,843		\$2,109,843	88	65	10	10	15	30	Line Item 1.C & 1.C.1 - Includes waterline upsizing from 6-inch to 8-inch. Scored as 1.D & 1.D.1 instead. Line Item 2.E.2. - Violation previously addressed. Line Item 2.L.2 - Project does not create a new interconnection.	
2	Lucama, Town of	2018 Water Systems Improvements Phase 2	McDavid Associate, Inc.	Rehabilitation of 2,700 feet of waterline; replacement of meters at the wellhouses and filters and controls at the water plant; and installation of a new SCADA system and backup power at the wells	No	Wilson	\$2,227,200	\$2,227,200		\$2,227,200	96	61	20	0	13	28	Line Item 2.B - Failed to document related Line Item 2.I. Line Item 2.I - Did not document contamination. Line Item 3.B - CIP does not clearly include project; shows costs for only five years. Line Item 3.E - Did not document leak detection efforts.	
3	Montgomery County	Raw Water Pump Station Improvements	Wooten	Replacement of the raw water pumps including chemical feeds, motors, controls, valves backup power and SCADA	Yes	Montgomery	\$1,564,600	\$157,650		\$1,564,600	54	54	20	3	15	16		State Reserve Grant paired with SRF with PF
4	Oxford, City of	2017 B Water Line Replacement	McGill Associates	Installation of 8,400 feet of water lines in previously approved project, replacement of 2,050 feet of waterlines, and installation of 450 feet of new waterline to form loops	Yes	Granville	\$2,710,500			\$2,710,500	53	53	20	0	15	18	Line Item 3.D - Applicant does not have approved Source Water Protection Plan. Application still earns maximum Category 3 points.	
5	Snow Hill, Town of	2018 Water System Improvement	Green Engineering	Replacement of waterlines and installation of backup power for Well Site Number 4	No	Greene	\$651,420			\$668,600	51	51	20	3	10	18	Line Item 3.A - Project not clear on CIP. Line Item 4.C - LGU indicators updated.	
6	Hookerton, Town of	Hookerton Well No. 2 Generator	Mack Gay Associates, P.A.	Installation of backup power at Well Number 2	No	Greene	\$112,486			\$112,486	49	49	12	3	12	22		
7	Kinston, City of	Greenmead Water Line Replacement Project		Replacement of 19,500 feet of waterline	No	Lenoir	\$1,299,887			\$1,299,887	46	48	20	0	12	16	Line Item 4.A - Did not claim points available.	
8	Greene County	2018 Water System Improvements - Well Renovation and Chlorine Conversion Gas to Liquid	McDavid Associate, Inc.	Conversion of disinfection at seven wells from gaseous chlorine to liquid chlorine	Yes	Greene	\$1,383,000			\$1,483,000	45	45	12	0	13	20		
9	Robersonville, Town of	Water System Improvements	The Wooten Company	Replacement of 6,170 feet of waterline including the abandonment of 4,850 feet of 2-inch waterline	No	Martin	\$779,300			\$779,300	39	42	12	3	5	22	Line Item 3.A - Project not clear on CIP. Line Item 3.D - Application did not include Source Water Protection Plan approval letter. Line Item 4D - Application did not claim line item 4.A.	
10	Granite Falls, Town of	2018 Water Distribution System Improvements -- Replacement of Finished Water Line	The Wooten Company	Replacement of 2,900 feet of 8-inch waterlines with 12-inch	No	Caldwell	\$500,000		\$500,000	\$500,000	42	39	10	0	15	14	Line Item 3.A - Can receive points for only one of CIP (3.A) or AMP (3.B).	

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	Funded in State Reserve
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Project No.	Applicant Name	Project Name	Engineering Firm	Brief Project Description	Provided Additional Information	County	Total Funding Requested	Total Grant Amount	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY							\$58,774,635	\$4,659,268	\$2,472,804									
11	Valdese, Town of	Main Street Water Line Replacement Project	McGill Associates	Replacement of 6,800 feet of waterlines	Yes	Burke	\$2,782,950			\$2,782,950	49	36	20	0	2	14	Line Item 3.B - No narrative to address four key areas of AMP. Line Item 3.C - Operating Ratio <1; combined utility rate <2.5%.	
12	Valdese, Town of	Water Treatment Plant Bleach Conversion Project	McGill Associates	Conversion of disinfection system from gaseous chlorine to liquid chlorine	Yes	Burke	\$658,300	\$164,575	\$493,725	\$658,300	52	36	20	0	2	14	Line Item 2.O - Project does not create a new redundancy. Line Item 3.B - No narrative to address four key areas of AMP. Line Item 3.C - Operating Ratio <1; combined utility rate <2.5%.	
13	Newton, City of	Newton Streetscape Phases 2-4 Water Utility Rehabilitation	Withers Ravenel	Replacement of 1,425 feet of waterline	Yes	Catawba	\$558,500		\$558,500	\$558,500	34	34	20	0	2	12		
14	Johnston County	WTP Efficiency Project		Installation of various process and capital upgrades to improve the operability and efficiency of the plant	No	Johnston	\$4,510,000			\$4,600,200	28	30	20	3	3	4	Line Item 4.B - Application did not claim the correct number of points.	
15	Edenton, Town of	Well Rehabilitation and New Ground Water Storage Tank	Stroud Engineering	Rehabilitation of four wells, installation of new finished water pump and construction of a new 0.5 MG ground storage tank to increase plant capacity from 0.8 MGD to 1.3 MGD	No	Chowan	\$1,336,000			\$1,336,000	28	28	2	0	10	16		
16	Iredell Water Corporation	Ostwalt-Amity Water System Improvements	Withers Ravenel	Installation of up to four wells, a storage tank, booster station and 74,000 feet of waterline extensions to serve new customers	Yes	Iredell	\$5,201,553			\$5,201,553	28	25	0	3	12	10	Line Item 2.J - Does not provide additional treatment.	
17	Manteo, Town of	AMI Meter Replacement Project	Green Engineering	Replacement of 1,637 meters	No	Dare	\$620,579		\$620,579	\$620,579	34	22	0	0	8	14	Line Item 1.C - Meter projects do not qualify. Line Item 4.B & 4.C - Not claimed under DWSRF program.	
18	East Arcadia, Town of	2018 Advanced Metering Infrastructure	McDavid Associate, Inc.	Replacement of 225 meters to allow East Arcadia to base water bill on usage	No	Bladen	\$300,000		\$300,000	\$300,000	26	21	0	0	5	16	Line Item 3.D - Application did not include Source Water Protection Plan approval letter.	
19	Lincoln County	Reepsville Road Interconnection		Installation of 8 miles of 12-inch waterline and a new booster pump station to improve the connection with the City of Lincoln's WTP	Yes	Lincoln	\$6,885,000			\$6,885,000	42	14	0	3	7	4	Line Item 2.G - Did not document low pressure. Line Item 2.L.2 - Did not document PWSID #s of the two systems nor provide interlocal agreement. Line Item 3.B - Narrative does not address four key areas of AMP. Line Item 3.C - Only Reepsville Road Application requested Operating Ratio Points.	Application lacked the required fund Transfer Certification - taken from other applications
20	Lincoln County	Water Treatment Plant Upgrade	Woolpert	Expansion of the WTP from 3.99 to 8.0 MGD	Yes	Lincoln	\$12,008,666			\$13,259,666	18	13	2	0	7	4	Line Item 3.B - Narrative does not address four key areas of AMP. Line Item 3.C - Reepsville Road Application requested Operating Ratio Points.	

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	Funded in State Reserve
	Funded in DWSRF
	Funded in State Reserve and DWSRF
	Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Brief Project Description	Provided Additional Information	County	Total Funding Requested	Total Grant Amount	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY							\$58,774,635	\$4,659,268	\$2,472,804									
21	Little Creek Water District	Gordon Road Waterline Extension		Installation of 19,000 feet of new waterline to connect pressure zones	No	Johnston	\$4,082,500			\$4,164,150	36	13	0	0	3	10	Line Item 1.D - Project is new infrastructure. Line Item 2.L.2 - Project does not create an interconnection. Line Item 3A - No documentation CIP adopted. Line Item 3.C - No calculation provided. Line Item 4.C - Claimed wrong number of LGU indicators.	
22	Lincoln County	Water Treatment Plant Transmission Line		Installation of 38,900 of 12-inch to 30-inch finished water transmission line	Yes	Lincoln	\$6,492,351			\$6,492,351	16	11	0	0	7	4	Line Item 3.B - Narrative does not address four key areas of AMP. Line Item 3.C - Reepsville Road Application requested Operating Ratio Points.	
							Total Funded in Drinking Water State Reserve	\$4,659,268	\$2,472,804									
								\$7,132,072										

Incomplete Applications																		
23	Greenville Utilities Commission	Water Treatment Plant Upgrade Phase I	Hazen and Sawyer	Increase WTP capacity from 22.3 to 32 MGD	No	Pitt	\$47,165,000			\$47,165,000								Application is incomplete; budget is not sealed by PE
24	South Granville Water and Sewer Authority	Water Treatment Plant Rehab	Hazen and Sawyer	Application does not describe an eligible capital project	Yes	Granville	\$9,014,520			\$9,014,520								Application is incomplete; a resolution authorizing the application was passed only after the application deadline

**Drinking Water State Revolving Fund (DWSRF) -
April 2018 Application Round
Agenda Item I**

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- Funded in State Reserve
- Funded in DWSRF
- Funded in State Reserve and DWSRF
- Not Funded

Applicant Name	Project Name	Engineering Firm	Brief Project Description	Provided Additional Information	County	Total Funding Requested	Principal Forgiveness	Base DWSRF	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY						\$58,774,635	\$4,737,696	\$24,321,350									
1	Enfield, Town of	Phase 4 Water System Improvements Project	Engineering Services, P.A.	Installation of 15,000 of replacement / upsized waterlines and 1,175 feet of new loop-closing waterlines, replacement of Cook Street Tank control valves	No	Halifax	\$2,109,843			\$2,109,843	78	55	10	10	15	20	Line Item 1.C & 1.C.1 - Includes waterline upsizing from 6-inch to 8-inch. Scored as 1.D & 1.D.1 instead. Line Item 2.E.2. - Violation previously addressed. Line Item 2.L.2 - Project does not create a new interconnection.
2	Lucama, Town of	2018 Water Systems Improvements Phase 2	McDavid Associate, Inc.	Rehabilitation of 2,700 feet of waterline; replacement of meters at the wellhouses and filters and controls at the water plant; and installation of a new SCADA system and backup power at the wells	No	Wilson	\$2,227,200			\$2,227,200	86	51	20	0	13	18	Line Item 2.B - Failed to document related Line Item 2.I. Line Item 2.I - Did not document contamination. Line Item 3.B - CIP does not clearly include project; shows costs for only five years. Line Item 3.E - Did not document leak detection efforts.
3	Montgomery County	Raw Water Pump Station Improvements	Wooten	Replacement of the raw water pumps including chemical feeds, motors, controls, valves backup power and SCADA	Yes	Montgomery	\$1,564,600	\$624,650	\$782,300	\$1,564,600	50	50	20	3	15	12	State Reserve Grant paired with SRF with PF
4	Oxford, City of	2017 B Water Line Replacement	McGill Associates	Installation of 8,400 feet of water lines in previously approved project, replacement of 2,050 feet of waterlines, and installation of 450 feet of new waterline to form loops	Yes	Granville	\$2,710,500	\$1,000,000	\$1,710,500	\$2,710,500	47	47	20	0	15	12	Line Item 3.D - Applicant does not have approved Source Water Protection Plan. Application still earns maximum Category 3 points.
5	Kinston, City of	Greenmead Water Line Replacement Project		Replacement of 19,500 feet of waterline	No	Lenoir	\$1,299,887	\$649,943	\$649,944	\$1,299,887	46	46	20	0	12	14	Line Item 4.A - Did not claim points available.
6	Snow Hill, Town of	2018 Water System Improvement	Green Engineering	Replacement of waterlines and installation of backup power for Well Site Number 4	No	Greene	\$651,420	\$325,710	\$325,710	\$668,600	45	45	20	3	10	12	Line Item 3.A - Project not clear on CIP. Line Item 4.C - LGU indicators updated.
7	Greene County	2018 Water System Improvements - Well Renovation and Chlorine Conversion Gas to Liquid	McDavid Associate, Inc.	Conversion of disinfection at seven wells from gaseous chlorine to liquid chlorine	Yes	Greene	\$1,383,000	\$691,500	\$691,500	\$1,483,000	39	39	12	0	13	14	
8	Hookerton, Town of	Hookerton Well No. 2 Generator	Mack Gay Associates, P.A.	Installation of backup power at Well Number 2	No	Greene	\$112,486	\$56,243	\$56,243	\$112,486	39	39	12	3	12	12	
9	Granite Falls, Town of	2018 Water Distribution System Improvements -- Replacement of Finished Water Line	The Wooten Company	Replacement of 2,900 feet of 8-inch waterlines with 12-inch	No	Caldwell	\$500,000			\$500,000	36	33	10	0	15	8	Line Item 3.A - Can receive points for only one of CIP (3.A) or AMP (3.B).
10	Robersonville, Town of	Water System Improvements	The Wooten Company	Replacement of 6,170 feet of waterline including the abandonment of 4,850 feet of 2-inch waterline	No	Martin	\$779,300	\$389,650	\$389,650	\$779,300	39	32	12	3	5	12	Line Item 3.A - Project not clear on CIP. Line Item 3.D - Application did not include Source Water Protection Plan approval letter. Line Item 4D - Application did not claim line item 4.A.

**Drinking Water State Revolving Fund (DWSRF) -
April 2018 Application Round
Agenda Item I**

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	Funded in State Reserve
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	Funded in State Reserve and DWSRF
	Not Funded

Applicant Name	Project Name	Engineering Firm	Brief Project Description	Provided Additional Information	County	Total Funding Requested	Principal Forgiveness	Base DWSRF	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes	
FUNDING SUMMARY						\$58,774,635	\$4,737,696	\$24,321,350										
11	Valdese, Town of	Main Street Water Line Replacement Project	McGill Associates	Replacement of 6,800 feet of waterlines	Yes	Burke	\$2,782,950	\$1,000,000	\$1,782,950	\$2,782,950	49	32	20	0	2	10	Line Item 3.B - No narrative to address four key areas of AMP. Line Item 3.C - Operating Ratio <1; combined utility rate <2.5%.	
12	Valdese, Town of	Water Treatment Plant Bleach Conversion Project	McGill Associates	Conversion of disinfection system from gaseous chlorine to liquid chlorine	Yes	Burke	\$658,300			\$658,300	52	32	20	0	2	10	Line Item 2.O - Project does not create a new redundancy. Line Item 3.B - No narrative to address four key areas of AMP. Line Item 3.C - Operating Ratio <1; combined utility rate <2.5%.	
13	Johnston County	WTP Efficiency Project		Installation of various process and capital upgrades to improve the operability and efficiency of the plant	No	Johnston	\$4,510,000		\$4,510,000	\$4,600,200	28	30	20	3	3	4	Line Item 4.B - Application did not claim the correct number of points.	
14	Newton, City of	Newton Streetscape Phases 2-4 Water Utility Rehabilitation	Withers Ravenel	Replacement of 1,425 feet of waterline	Yes	Catawba	\$558,500			\$558,500	30	30	20	0	2	8		
15	Edenton, Town of	Well Rehabilitation and New Ground Water Storage Tank	Stroud Engineering	Rehabilitation of four wells, installation of new finished water pump and construction of a new 0.5 MG ground storage tank to increase plant capacity from 0.8 MGD to 1.3 MGD	No	Chowan	\$1,336,000		\$1,336,000	\$1,336,000	22	22	2	0	10	10		
16	Iredell Water Corporation	Ostwalt-Amity Water System Improvements	Withers Ravenel	Installation of up to four wells, a storage tank, booster station and 74,000 feet of waterline extensions to serve new customers	Yes	Iredell	\$5,201,553		\$5,201,553	\$5,201,553	24	21	0	3	12	6	Line Item 2.J - Does not provide additional treatment.	
17	Manteo, Town of	AMI Meter Replacement Project	Green Engineering	Replacement of 1,637 meters	No	Dare	\$620,579			\$620,579	20	16	0	0	8	8	Line Item 1.C - Meter projects do not qualify. Line Item 4.B & 4.C - Not claimed under DWSRF program.	
18	Lincoln County	Reepsville Road Interconnection		Installation of 8 miles of 12-inch waterline and a new booster pump station to improve the connection with the City of Lincolnton's WTP	Yes	Lincoln	\$6,885,000		\$6,885,000	\$6,885,000	40	12	0	3	7	2	Line Item 2.G - Did not document low pressure. Line Item 2.L.2 - Did not document PWSID #s of the two systems nor provide interlocal agreement. Line Item 3.B - Narrative does not address four key areas of AMP. Line Item 3.C - Only Reepsville Road Application requested Operating Ratio Points.	Application lacked the required fund Transfer Certification - taken from other applications
19	East Arcadia, Town of	2018 Advanced Metering Infrastructure	McDavid Associate, Inc.	Replacement of 225 meters to allow East Arcadia to base water bill on usage	No	Bladen	\$300,000			\$300,000	16	11	0	0	5	6	Line Item 3.D - Application did not include Source Water Protection Plan approval letter.	
20	Lincoln County	Water Treatment Plant Upgrade	Woolpert	Expand the WTP from 3.99 to 8.0 MGD	Yes	Lincoln	\$12,008,666			\$13,259,666	16	11	2	0	7	2	Line Item 3.B - Narrative does not address four key areas of AMP. Line Item 3.C - Reepsville Road Application requested Operating Ratio Points.	

**Drinking Water State Revolving Fund (DWSRF) -
April 2018 Application Round
Agenda Item I**

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	Funded in State Reserve
	Funded in DWSRF
	Funded in State Reserve and DWSRF
	Not Funded

Applicant Name	Project Name	Engineering Firm	Brief Project Description	Provided Additional Information	County	Total Funding Requested	Principal Forgiveness	Base DWSRF	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes	
FUNDING SUMMARY						\$58,774,635	\$4,737,696	\$24,321,350										
21	Lincoln County	Water Treatment Plant Transmission Line		Installation of 38,900 of 12-inch to 30-inch finished water transmission line	Yes	Lincoln	\$6,492,351		\$6,492,351	14	9	0	0	7	2	Line Item 3.B - Narrative does not address four key areas of AMP. Line Item 3.C - Reepsville Road Application requested Operating Ratio Points.		
22	Little Creek Water District	Gordon Road Waterline Extension		Installation of 19,000 feet of new waterline to connect 385 and 492 pressure zones	No	Johnston	\$4,082,500		\$4,164,150	30	7	0	0	3	4	Line Item 1.D - Project is new infrastructure. Line Item 2.L.2 - Project does not create an interconnection. Line Item 3A - No documentation CIP adopted. Line Item 3.C - No calculation provided. Line Item 4.C - Claimed wrong number of LGU indicators.		
							Total Funded in DWSRF	\$4,737,696	\$24,321,350									
								\$29,059,046										

Incomplete Applications																
23	Greenville Utilities Commission	Water Treatment Plant Upgrade Phase I	Hazen and Sawyer	Increase WTP capacity from 22.3 to 32 MGD	No	Pitt	\$47,165,000		\$47,165,000							Application is incomplete; budget is not sealed by PE
24	South Granville Water and Sewer Authority	Water Treatment Plant Rehab	Hazen and Sawyer	Application does not describe an eligible capital project	Yes	Granville	\$9,014,520		\$9,014,520							Application is incomplete; a resolution authorizing the application was passed only after the application deadline

Wastewater State Reserve Projects - April 2018 Application Round
Agenda Item J

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 Funded in State Reserve
 Funded in CWSRF
 Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	Number of New Connections	\$ per Connection	County	Total Funding Requested	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY									\$116,903,117	\$4,330,450									
1	Oxford, City of	2017 B Sewer Line Replacements	McGill Associates, PA	Rehabilitation and/or replacement of 9,800 LF of 8-inch to 10-inch gravity sewer	yes			Granville	\$3,468,000		\$3,468,000	75	75	25	15	15	20		
2	East Yancey Water and Sewer District	East Yancey County Sewer Improvements Phase 2	Withers Ravenel	Installation of 4,700 LF of 12-inch gravity sewer to connect multiple previously constructed sewer segments in East Yancey County to resolve failed infrastructure and resolve straight piping	yes	30	\$18,861	Yancey	\$565,835		\$865,835	58	58	15	15	0	28		
3	Winterville, Town of	Sanitary Sewer System Rehabilitation	Rivers & Associates, Inc.	Replacement of 3,800 LF of 8-inch to 12-inch gravity sewer and rehabilitation of 19,000 LF of 8-inch to 12-inch gravity sewer	no			Pitt	\$3,532,200		\$3,602,900	71	56	25	0	15	16	Line Item 2.C - No documentation provided to show this project will resolve failed infrastructure or SSOs.	
4	Cajah's Mountain, Town of	Sutton Place Sewer Extension	The Wooten Company	Installation of a new pump station, 5,600 LF of forcemain, 7,900 LF of 8-inch gravity sewer to resolve failed septic systems	no	63	\$31,841	Caldwell	\$2,006,000	\$2,006,000	\$2,006,000	55	55	15	15	5	20		
5	Franklin County	2019 WWTP Rehabilitation	LKC Engineering, PLLC	Rehabilitation of the Franklin County WWTP to include replacement of an aeration basin, splitter box, aerobic digester, and installation of blowers and a new blower building	no			Franklin	\$8,316,000		\$8,482,000	55	52	25	0	5	22	Line Item 2.J - Project does not provide additional treatment.	
6	Lumberton, Town of	Sanitary Sewer Collection System, 2018 Priority Repairs	The Wooten Company	Rehabilitation of 9,900 LF of 8-inch and 6,400 LF of 10-inch gravity sewer	yes			Robeson	\$1,000,000		\$1,050,000	69	49	25	0	10	14	Line Item 2.C - No documentation of SSOs provided. Line Item 3.C - Calculation applicant provided was incorrect. OR = 0.92 using information provided in Financial Information form.	
7	Franklin County	Franklinton Sanitary Sewer Pump Station Rehabilitation	Municipal Engineering Services Co., PA	Rehabilitation of 3 pump stations to include: replacement of pumps, piping, valves, and controls; installation of valve vaults, emergency bypass pump connection, and SCADA	no			Franklin	\$1,365,000	\$1,365,000	\$1,392,300	48	48	25	0	5	18		
8	Newton, City of	Newton Streetscape Phases 2-4 Sewer Utility Rehabilitation	Withers Ravenel	Replacement of 764 LF of 8-inch gravity sewer	no			Catawba	\$197,400	\$197,400	\$197,400	45	45	25	0	2	18		
9	Engelhard Sanitary District (Reconsideration)	Engelhard Lagoon Closure and Dewatering Pump Station Restoration	Stroud Engineering, PA	Final stage of replacement of failed 9-acre facultative lagoon including closure of the lagoon and rehabilitation of the Dewatering PS	No			Hyde	\$520,000		\$520,000	94	44	15	0	5	24	Line Item 1.B - Applicant claimed 1.B and 1.C points. Project does not replace or repair failed spray/drip irrigation field or infiltration basin. Line Item 2.E.1 - All work was required to be completed by 12/1/2017. No extension documentation was provided, therefore, project is not required for compliance with SOC. Line Item 2.P and 2.Q - Based upon information provided by the Washington Region Office, the project does not directly benefit impaired waters. Extensive information was previously reviewed and no additional information was provided with this application.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.

Wastewater State Reserve Projects - April 2018 Application Round

Agenda Item J

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	Funded in CWSRF
	Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	Number of New Connections	\$ per Connection	County	Total Funding Requested	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY									\$116,903,117	\$4,330,450									
10	Norwood, Town of	Norwood WWTP Renovation	Willis Engineers, Inc.	Rehabilitations of the Norwood WWTP to include: installation of a new headworks facility with screening and grit removal, aeration basin improvements, flow splitter box, 2 new clarifiers with RAS/WAS PS, a UV disinfection system, electrical improvements and SCADA	yes			Stanly	\$4,271,000		\$4,271,000	43	43	25	8	0	10		
11	Warren County (Reconsideration)	Pleasant Hill Pump Station Replacement	Rivers & Associates, Inc.	Replacement of Pleasant Hill PS with new 350 gpm PS	Yes			Warren	\$617,700		\$617,700	55	37	12	0	5	10	Line Item 1.B - Applicant claimed 1.B and 1.C points. Project is not for failing infrastructure as defined in guidance nor clearly rehab/replacement. Therefore scored as expansion, Line Item 1.D.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
12	Walstonburg, Town of	I&I Study and Remediation	Draper Aden Associates	Rehabilitation of pump station, manholes, frames and lids, and perform SSES of collection system	no			Green	\$173,650	\$173,650	\$173,650	46	33	2	0	5	26	Line Item 1.C - Project is not clearly rehab/replacement. Therefore scored as expansion, Line Item 1.D.	
13	Spruce Pine, Town of	Spruce Pine Sewer Rehabilitation	Withers Ravenel	Installation of 1,700 LF of FM and 150 LF of gravity sewer to redirect flow of the HWY19E forcemain and rehabilitation of 1,000 LF of 8-inch and 10-inch gravity sewer.	no			Mitchell	\$588,400	\$588,400	\$588,400	43	30	12	0	0	18	Line Item 1.C - Insufficient documentation to determine whether the project creates additional capacity by moving flow from one area to another. Therefore scored as expansion, Line Item 1.D.	
14	Mount Holly, City of	Wastewater Treatment Plant Regionalization Project	City of Mount Holly	Installation of pump station, 3,700 LF of dual 24-inch FM, and equalization tanks to regionalize with Charlotte at future Long Creek WWTP	no			Gaston	\$18,850,000		\$18,850,000	78	25	12	0	5	8	Line Item 1.B - Applicant claimed four project purposes. This is an expansion, gave points for Line Item 1.D and 1.D.1. Line Item 2.C - No documentation provided to show this project will resolve failed infrastructure or SSOs. Line Item 2.D - No documentation provided of promulgated but not yet effective regulation. Line Item 2.F - Project does not merger Mount Holly with Charlotte. This is a regionalization project. Line Item 2.J - Project does not clearly improve quality of water. Line Item 2.R - Required documentation not provided.	
15	Clayton, Town of	Wastewater Collection System Improvements	The Wooten Company	Replacement of Walnut Creek Lift Station with 3,560 LF of 16-inch gravity sewer, expansion of Glen Haven LS to 950 gpm, and replacement of 8-inch FM with 7,800 LF of 12-inch	no			Johnston	\$3,956,000		\$3,956,000	25	23	12	0	5	6	Line Item 3.A - Project is not clearly shown on CIP. No documentation showing adoption of CIP. CIP does not meet guidance requirements.	
16	Southport, City of	Shalotte Wastewater Treatment Plant Expansion	WK Dickson & Co., Inc.	700,000 GPD expansion of the Shalotte WWTP as part of the City of Southport project.	no			Brunswick	\$5,945,139		\$25,795,747	14	20	2	0	0	18		During ER evaluation, it was determined that building capacity at the Shalotte WWTP was more feasible than the City constructing a new WWTP.
17	Lincoln County	Killian Creek Wastewater Treatment Plant Upgrade	Lincoln County	Expansion of the Killian Creek WWTP from 3.35 MGD to 6.6 MGD	yes			Lincoln	\$24,639,793		\$26,633,793	28	20	0	3	7	10	Line Item 3.B - Discussion of AMP in the narrative does not meet guidance requirements. Gave CIP points instead, Line Item 3.A.	

Wastewater State Reserve Projects - April 2018 Application Round
Agenda Item J

The colors in this legend represent the example funding scenario described in the Staff Report.
 Funded in State Reserve
 Funded in CWSRF
 Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	Number of New Connections	\$ per Connection	County	Total Funding Requested	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY									\$116,903,117	\$4,330,450									
18	King, City of	City of King Wastewater Treatment Facility	Husley McCormick & Wallace	Installation of a new 0.55 MGD WWTP, 21,650 LF of new 18-inch gravity sewer, and a new 300-350 acre land application system	yes			Stokes/Forsyth	\$27,420,000		\$28,045,000	35	20	0	0	0	20	Line Item 2.P - Project does not clearly benefit impairment to stream. Line Item 2.R - Project does not result in the elimination of an NPDES discharge.	
19	Johnston County	CS370560-18 - Biosolids Facility Improvement, Additional Funding	Hazen and Sawyer	Improvements to the Landfill Biosolids facility to handle solids from 4 MGD expansion at Johnston County WWTF	no			Johnston	\$6,711,000		\$6,711,000	30	17	2	0	5	10	Line Item 1.D.1 - Insufficient documentation to determine that 50% of the project cost is replacing old infrastructure. Line Item 2.J - Application does not provide enough description on the improved quality of water. Line Item 3.A - No documentation showing adoption of CIP. CIP does not meet guidance requirements.	Additional funding requested for increased cost of 4 MGD expansion project.
20	Johnston County	Pine Level to Selma Force Main & WWPS		Installation of a new 550 GPM WWPS and 10,000 LF of 8-inch FM	no			Johnston	\$2,760,000		\$2,760,000	19	15	0	0	5	10	Line Item 1.D - No Narrative provided in application Line Item 3.A - No documentation showing adoption of CIP.	
									Total Funded in Wastewater State Reserve	\$4,330,450									

Not Funding because applicant not eligible for the minimum acceptable grant percentage indicated in its application

21	Beaufort, Town of (Reconsideration)	Sanitary Sewer Rehabilitation	Rivers & Associates, Inc.	Rehabilitation of 9,000 LF of 8-inch gravity sewer, 12 MHs, and 450 LF of point repairs; replacement of 350 LF of 8-inch gravity sewer	Yes			Carteret	\$1,640,000		\$1,672,800	54	54	25	0	5	24	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.	
22	Louisburg, Town of (Reconsideration)	WRF Clarifier Improvements; WAS/RAS Pump Replacements, Scum Pit Chopper Pump	Municipal Engineering Services Co., PA	Rehabilitation of both clarifiers, replacement of WAS/RAS pumps, and installation of new chopper pump in scum pit	Yes			Franklin	\$1,129,000		\$1,157,500	65	54	25	0	7	22	Line Item 2.J - Project does not provide additional treatment to original design. Line Item 3.B - Narrative states AMP does not have good inventory of water and sewer lines. Gave CIP points instead, Line Item 3.A.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
23	Robersonville, Town of (Reconsideration)	Wastewater System Improvements	The Wooten Company	Find and fix for the rehabilitation/replacement of 3,500 LF of 8-inch gravity sewer	Yes			Martin	\$1,000,000		\$1,000,000	68	58	25	0	5	28	Line Item 3.B - No AMP discussion in the narrative. CIP does not meet guidance requirements.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
24	Selma, Town of (Reconsideration)	2017 Sewer Rehabilitation	The Wooten Company	Rehabilitation/replacement of 6,300 LF of 10-inch to 15 inch gravity sewer as determined by CCTV inspection	Yes			Johnston	\$2,000,000		\$2,000,000	70	50	25	0	5	20	Line Item 2.P - Project does not clearly benefit impairment to stream.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.

Cleanwater State Revolving Fund (CWSRF) - April 2018 Application Round
Agenda Item J

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	Funded in State Reserve
	Funded in CWSRF
	Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	Number of New Connections	\$ per Connection	County	Total Funding Requested	Principal Forgiveness	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes	
FUNDING SUMMARY									\$116,903,117	\$2,000,000	\$57,904,174										
1	Oxford, City of	2017 B Sewer Line Replacements	McGill Associates, PA	Rehabilitation and/or replacement of 9,800 LF of 8-inch to 10-inch gravity sewer	yes			Granville	\$3,468,000	\$500,000	\$2,968,000	\$3,468,000	69	69	25	15	15	14			
2	Winterville, Town of	Sanitary Sewer System Rehabilitation	Rivers & Associates, Inc.	Replacement of 3,800 LF of 8-inch to 12-inch gravity sewer and rehabilitation of 19,000 LF of 8-inch to 12-inch gravity sewer	no			Pitt	\$3,532,200	\$500,000	\$3,032,200	\$3,602,900	65	50	25	0	15	10	Line Item 2.C - No documentation provided to show this project will resolve failed infrastructure or SSOs.		
3	East Yancey Water and Sewer District	East Yancey County Sewer Improvements Phase 2	Withers Ravenel	Installation of 4,700 LF of 12-inch gravity sewer to connect multiple previously constructed sewer segments in East Yancey County to resolve failed infrastructure and resolve straight piping	yes	30	\$18,861	Yancey	\$565,835	\$500,000	\$65,835	\$865,835	48	48	15	15	0	18			
4	Lumberton, Town of	Sanitary Sewer Collection System, 2018 Priority Repairs	The Wooten Company	Rehabilitation of 9,900 LF of 8-inch and 6,400 LF of 10-inch gravity sewer	yes			Robeson	\$1,000,000	\$500,000	\$500,000	\$1,050,000	67	47	25	0	10	12	Line Item 2.C - No documentation of SSOs provided. Line Item 3.C - OR = 0.92 using information provided in Financial Information form.		
5	Franklin County	2019 WWTP Rehabilitation	LKC Engineering, PLLC	Rehabilitation of the Franklin County WWTP to include replacement of an aeration basin, splitter box, aerobic digester, and installation of blowers and a new blower building	no			Franklin	\$8,316,000		\$8,316,000	\$8,482,000	49	46	25	0	5	16	Line Item 2.J - Project does not provide additional treatment.		
6	Cajah's Mountain, Town of	Sutton Place Sewer Extension	The Wooten Company	Installation of a new pump station, 5,600 LF of forcemain, 7,900 LF of 8-inch gravity sewer to resolve failed septic systems	no	63	\$31,841	Caldwell	\$2,006,000			\$2,006,000	45	45	15	15	5	10			
7	Franklin County	Franklinton Sanitary Sewer Pump Station Rehabilitation	Municipal Engineering Services Co., PA	Rehabilitation of 3 pump stations to include: replacement of pumps, piping, valves, and controls; installation of valve vaults, emergency bypass pump connection, and SCADA	no			Franklin	\$1,365,000			\$1,392,300	42	42	25	0	5	12			
8	Newton, City of	Newton Streetscape Phases 2-4 Sewer Utility Rehabilitation	Withers Ravenel	Replacement of 764 LF of 8-inch gravity sewer	no			Catawba	\$197,400			\$197,400	39	39	25	0	2	12			
9	Norwood, Town of	Norwood WWTP Renovation	Willis Engineers, Inc.	Rehabilitations of the Norwood WWTP to include: installation of a new headworks facility with screening and grit removal, aeration basin improvements, flow splitter box, 2 new clarifiers with RAS/WAS PS, a UV disinfection system, electrical improvements and SCADA	yes			Stanly	\$4,271,000		\$4,271,000	\$4,271,000	37	37	25	8	0	4			

Cleanwater State Revolving Fund (CWSRF) - April 2018 Application Round
Agenda Item J

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	Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	Number of New Connections	\$ per Connection	County	Total Funding Requested	Principal Forgiveness	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY									\$116,903,117	\$2,000,000	\$57,904,174									
10	Engelhard Sanitary District (Reconsideration)	Engelhard Lagoon Closure and Dewatering Pump Station Restoration	Stroud Engineering, PA	Final stage of replacement of failed 9-acre facultative lagoon including closure of the lagoon and rehabilitation of the Dewatering PS	No			Hyde	\$520,000			\$520,000	84	34	15	0	5	14	Line Item 1.B - Applicant claimed 1.B and 1.C points. Project does not replace or repair failed spray/drip irrigation field or infiltration basin. Line Item 2.E.1 - All work was required to be completed by 12/1/2017. No extension information was provided, therefore, project is not required for compliance with SOC. Line Item 2.P and 2.Q - Based upon information provided by the Washington Regional Office, the project does not directly benefit impaired waters. Extensive information was previously reviewed and no additional information was provided with this application.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
11	Warren County (Reconsideration)	Pleasant Hill Pump Station Replacement	Rivers & Associates, Inc.	Replacement of Pleasant Hill PS with new 350 gpm PS	Yes			Warren	\$617,700			\$617,700	45	27	12	0	5	10	Line Item 1.B - Applicant claimed 1.B and 1.C points. Project is not for failing infrastructure as defined in guidance nor clearly rehab/replacement. Therefore scored as expansion, Line Item 1.D.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
12	Walstonburg, Town of	I&I Study and Remediation	Draper Aden Associates	Rehabilitation of pump station, manholes, frames and lids, and perform SSES of collection system	no			Green	\$173,650			\$173,650	36	23	2	0	5	16	Line Item 1.C - Project is not clearly rehab/replacement. Therefore scored as expansion, Line Item 1.D.	
13	Mount Holly, City of	Wastewater Treatment Plant Regionalization Project	City of Mount Holly	Installation of pump station, 3,700 LF of dual 24-inch FM, and equalization tanks to regionalize with Charlotte at future Long Creek WWTP	no			Gaston	\$18,850,000		\$18,850,000	\$18,850,000	74	21	12	0	5	4	Line Item 1.B - Applicant claimed four project purposes. This is an expansion, gave points for Line Item 1.D and 1.D.1. Line Item 2.C - No documentation provided to show this project will resolve failed infrastructure or SSOs. Line Item 2.D - No documentation provided of promulgated but not yet effective regulation. Line Item 2.F - Project does not merger Mount Holly with Charlotte. This is a regionalization project. Line Item 2.J - Project does not clearly improve quality of water. Line Item 2.R - Required documentation not provided.	
14	Spruce Pine, Town of	Spruce Pine Sewer Rehabilitation	Withers Ravenel	Installation of 1,700 LF of FM and 150 LF of gravity sewer to redirect flow of the HWY19E forcemain and rehabilitation of 1,000 LF of 8-inch and 10-inch gravity sewer	no			Mitchell	\$588,400			\$588,400	33	20	12	0	0	8	Line Item 1.C - Insufficient documentation to determine whether the project creates additional capacity by moving flow from one area to another. Therefore scored as expansion, Line Item 1.D.	
15	Clayton, Town of	Wastewater Collection System Improvements	The Wooten Company	Replacement of Walnut Creek Lift Station with 3,560 LF of 16-inch gravity sewer, expansion of Glen Haven LS to 950 gpm, and replacement of 8-inch FM with 7,800 LF of 12-inch	no			Johnston	\$3,956,000		\$3,956,000	\$3,956,000	21	19	12	0	5	2	Line Item 3.A - Project is not clearly shown on CIP. No documentation showing adoption of CIP. CIP does not meet guidance requirements.	
16	Southport, City of	Shallotte Wastewater Treatment Plant Expansion	WK Dickson & Co., Inc.	700,000 GPD expansion of the Shallotte WWTP as part of the City of Southport project.	no			Brunswick	\$5,945,139		\$5,945,139	\$25,795,747	14	14	2	0	0	12		During ER evaluation, it was determined that building capacity at the Shallotte WWTP was more feasible than the City constructing a new WWTP.
17	Lincoln County	Killian Creek Wastewater Treatment Plant Upgrade	Lincoln County	Expansion of the Killian Creek WWTP from 3.35 MGD to 6.6 MGD	yes			Lincoln	\$24,639,793		\$10,000,000	\$26,633,793	22	14	0	3	7	4	Line Item 3.B - Discussion of AMP in the narrative does not meet guidance requirements. Gave CIP points instead, Line Item 3.A.	

Cleanwater State Revolving Fund (CWSRF) - April 2018 Application Round
Agenda Item J

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	Funded in State Reserve
	Funded in CWSRF
	Not Funded

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	Number of New Connections	\$ per Connection	County	Total Funding Requested	Principal Forgiveness	Total Loan Amount	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Staff Notes
FUNDING SUMMARY									\$116,903,117	\$2,000,000	\$57,904,174									
18	King, City of	City of King Wastewater Treatment Facility	Husley McCormick & Wallace	Installation of a new 0.55 MGD WWTP, 21,650 LF of new 18-inch gravity sewer, and a new 300-350 acre land application system	yes			Stokes/Forsyth	\$27,420,000			\$28,045,000	35	14	0	0	0	14	Line Item 2.P - Project does not clearly benefit impairment to stream. Line Item 2.R - Project does not result in the elimination of an NPDES discharge.	
19	Johnston County	CS370560-18 - Biosolids Facility Improvement, Additional Funding	Hazen and Sawyer	Improvements to the Landfill Biosolids facility to handle solids from 4 MGD expansion at Johnston County WWTF	no			Johnston	\$6,711,000			\$6,711,000	26	13	2	0	5	6	Line Item 1.D.1 - Insufficient documentation to determine that 50% of the project cost is replacing old infrastructure. Line Item 2.J - Application does not provide enough description on the improved quality of water. Line Item 3.A - No documentation showing adoption of CIP. CIP does not meet guidance requirements.	Additional funding requested for increased cost of 4 MGD expansion project.
20	Johnston County	Pine Level to Selma Force Main & WWPS		Installation of a new 550 GPM WWPS and 10,000 LF of 8-inch FM	no			Johnston	\$2,760,000			\$2,760,000	15	11	0	0	5	6	Line Item 1.D - No Narrative provided in application. Line Item 3.A - No documentation showing adoption of CIP.	
									Total Funded in CWSRF		\$2,000,000	\$57,904,174								
											\$59,904,174									

Not Funding because applicant not eligible for the minimum acceptable grant percentage indicated in its application

21	Beaufort, Town of (Reconsideration)	Sanitary Sewer Rehabilitation	Rivers & Associates, Inc.	Rehabilitation of 9,000 LF of 8-inch gravity sewer, 12 MHs, and 450 LF of point repairs; replacement of 350 LF of 8-inch gravity sewer	Yes			Carteret	\$1,640,000			\$1,672,800	48	48	25	0	5	18	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.	
22	Louisburg, Town of (Reconsideration)	WRF Clarifier Improvements; WAS/RAS Pump Replacements, Scum Pit Chopper Pump	Municipal Engineering Services Co., PA	Rehabilitation of both clarifiers, replacement of WAS/RAS pumps, and installation of new chopper pump in scum pit	Yes			Franklin	\$1,129,000			\$1,157,500	59	48	25	0	7	16	Line Item 2.J - Project does not provide additional treatment to original design. Line Item 3.B - Narrative states AMP does not have good inventory of water and sewer lines. Gave CIP points instead, Line Item 3.A.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
23	Robersonville, Town of (Reconsideration)	Wastewater System Improvements	The Wooten Company	Find and fix for the rehabilitation/replacement of 3,500 LF of 8-inch gravity sewer	Yes			Martin	\$1,000,000			\$1,000,000	58	48	25	0	5	18	Line Item 3.B - No AMP discussion in the narrative. CIP does not meet guidance requirements.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.
24	Selma, Town of (Reconsideration)	2017 Sewer Rehabilitation	The Wooten Company	Rehabilitation/replacement of 6,300 LF of 10-inch to 15 inch gravity sewer as determined by CCTV inspection	Yes			Johnston	\$2,000,000			\$2,000,000	64	44	25	0	5	14	Line Item 2.P - Project does not clearly benefit impairment to stream.	This Applicant indicated the project would not move forward without grant funds. There are not sufficient grant funds available; therefore, this project is not funded.