

Clean Water State Revolving Fund (CWSRF) - April 2016 Application Round

Recommendations for Funding - Agenda Item J.1

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	Provided Additional Information	County	Total Funding Requested	Green Project Reserve	Principal Forgiveness	Base CWSRF	Total Project Cost	Points Submitted	Points Verified (Total all Categories)	Project Purpose	Project Benefit	System Management	Financial Situation	Difference in Points Claimed & Verified	Other Considerations/Staff Notes				
FUNDING SUMMARY							\$141,486,722	\$71,188,429	\$2,000,000	\$44,590,853													
1	Lake Lure, Town of	Greenline	Brown Consultants	Elimination of Lake Lure WWTP and installation of two PSs and 17 miles of 12-inch FM to pump flow to Spindale WWTP.	X	Rutherford	\$12,580,261		\$500,000	\$12,080,261	\$12,580,261	87.54	62.63	25	26	0	11.63	Line 2.F - the town will own and operate the collections systems so this project will not result in a merger. Line 3.B - Condition assessment is not complete and CIP does not cover 10 years. Line 3.C - sewer rates on application do not match those on rate sheet provided. Used rates on sheet provided and combined water and sewer/MHI is now 2.43% < 2.5% required for points.					
2	Albemarle, City of	Sanitary Sewer Rehabilitation, Phase 2 & WWTP Rehabilitation	LKC Engineering, PLLC	Replacement or rehabilitation of 7,000 lf of 30-inch, 24-inch, and 18-inch GS and manholes. At the Long Creek WWTP, replacement of 3 screw pumps with 10 mgd, 3.5 mgd, and 3.5 mgd capacity and electrical system.	X	Stanly	\$4,384,000		\$500,000	\$3,884,000	\$4,384,000	75.12	58.12	25	18	5	10.12	Line 2.P - not a direct link to copper impairment.					
3	Lumberton, City of	Sanitary Sewer Collection System Rehabilitation, 2016 Priority Repairs	The Wooten Company	Rehabilitation of 2,900 lf of 8-inch, 1,000 lf of 10-inch, 1,800 lf of 12-inch, and 1,100 lf of 18-inch GS, replacement of 2,600 lf of 8-inch FM.	X	Robeson	\$1,000,000		\$500,000	\$500,000	\$1,000,000	77.95	57.95	25	18	0	14.95	Line 2.E.1 - No AO provided. Just NOV from EPA. Line 3.B - CIP is for 5 yrs. Line 3.C - narrative does not show calculations. Using information provided we calculated OR = 0.85 and Combined Utility/MHI = 1.91%.	City notified by EPA of violation of CWA in May 2014. Not under an AO but the City is working toward the recommendations of EPA to rehab sewer system to eliminate SSOs.				
4	Charlotte, City of/ Charlotte Water	Sugar Creek WWTP Reliability Improvements Project	Charlotte Water	Rehabilitation of Sugar Creek WWTP to include aeration basin improvements (replacing diffusers, new influent distribution box, modify zoning), rehabilitation and/or replacement of blowers, pumps at the main PS, sluice gates, effluent filters, and final clarifier launders; installation of chemical phosphorous removal and SCADA; and demolition of the chorline contact chamber.	X	Mecklenburg	\$20,881,929	\$20,881,929			\$20,881,929	75	51.17	25	8	10	8.17	Line 2.P - there is not a direct link between the project and the impairment since impairment begins upstream of discharge. Line 3.C - calculation references numbers in Appendix O, but no information is submitted. Therefore use LGC numbers and OR < 1 so no points given. Line 4.A - used 2014 poverty rate. Line 4.B - rate used in narrative does not match pg. 2 of application. Used Appendix P calculation that does match and can be verified.					
5	Cape Fear Public Utility Authority	Air Relief Valve Replacement	Cape Fear Public Utility Authority	Replacement of 21 ARVs and MHs		New Hanover	\$2,046,200			\$2,046,200	\$2,046,200	54	44.04	25	5	5	9.04	Line 3.B - AMP not complete because condition assessment is still continuing and no resolution adopting AMP.					
6	Cape Fear Public Utility Authority	Southside WWTP Interim Rehabilitation	Cape Fear Public Utility Authority	Rehabilitation of Southside WWTP to include: new submersible pumps and discharge line for filtrate drain PS, repair clarifiers #1&2, replace #1&2 grit equipment, primary generator, motor controls, heat exchanger #3, repair concrete for screw pumps #1,2,&3, replace structural steel and roof at dewatering facility and lime stabilization facility.	X	New Hanover	\$6,158,625			\$6,158,625	\$6,158,625	49	39.04	25	0	5	9.04	Line 3.B - AMP not complete because condition assessment is still continuing and no resolution adopting AMP.					
7	Goldsboro, City of	Phase 4 Sewer Collection Rehabilitation Project	Goldsboro, City of	Rehabilitation of 29,919 lf of 8, 10, 12, 15-inch GS via CIPP, 50 point repairs, 123 MH, replacement of 16,032 lf of 8, 10, 12, 15-inch GS by pipe burst and open cut, 11 MH and 626 sewer services.	X	Wayne	\$6,268,382		\$500,000	\$5,768,382	\$6,268,382	72.21	38.68	25	0	0	13.68	Line 2.C - no documented SSOs provided, only state reduce likelihood. Line 3.A - No resolution adopting CIP. Line 3.B - No resolution adopting AMP. Line 3.C - <2.5%. Line 4.B - sewer rate in rate form different than what applicant used.					

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8	Mocksville, Town of	Dutchman's Creek WWTP Renovation	Willis Engineers, Inc.	Replacement of influent screening, secondary clarifier, RAS/WAS PS. Installation of gravity belt thickener and construction of a new aerobic digester.	X	Davie	\$3,000,000			\$3,000,000	\$3,100,000	46.83	35.62	15	6	5	9.62	Line 1.C.1 - <50% of project cost is to rehab/replace old infrastructure. Line 4.B - Town calculated sewer rates incorrectly, was based on bimonthly billing, not monthly.	
9	Raleigh, City of PUD	Neuse River RRF Bioenergy Recovery Program (Anaerobic Digester Project)	Hazen and Sawyer	Rehabilitation of thickening building, belt filter press building, conveyor system and final cake storage area; installation of a new sludge conditioning facilities to include: degritting, screening and de-watering, one 92 dry tons/day THP system, cooling heat exchangers, and two 2.22 MG anaerobic digesters; nitrogen sidestream treatment facility; FOG receiving and pasturization facility; and gas storage, cleaning and utilization facility.	X	Wake	\$50,000,000	\$50,000,000			\$96,630,000	43.26	35.17	15	5	7	8.17	Water and Sewer Rates - no calculations provided. We used rate sheet and assumed 3/4" meter size and came up with \$28.62 for water and \$37.23 for sewer. Line 3.B - condition assessment is complete at WWTP. Line 4.B - slight difference due to differences in calculated rates.	
10	Hendersonville, City of	Multi-area Streambank Restoration Project	Hendersonville, City of	Stabilization of 7,000 lf of streambanks. 6,080 lf of bioengineered geolifts, 3,600 lf of brush mattresses, 16,600 live stakes, several log and boulder vanes, and 18,000 sy of erosion control matting.	X	Henderson	\$2,982,484			\$2,982,484	\$2,982,484	52.9	31.58	0	20	0	11.58	Water and Sewer Rates - no calculations provided. We used LGC form came up with \$27.93 for sewer. Line 1. F - Project qualifies as climate resiliency for treatment works under WRRRA new eligibilities. Line 4.B - difference due to differences in calculated rates.	
11	Cape Fear Public Utility Authority	PS 137 Qual Woods Elimination	Cape Fear Public Utility Authority	Replacement of PS with gravity sewer. For flow only need 8-inch GS but project is to install 10-inch GS.	X	New Hanover	\$461,950			\$461,950	\$461,950	54	31.04	12	5	5	9.04	Line 1.C - appears to be an expansion. No calculations were given. Our preliminary calculations at the stated reduced slope indicate 8-inch GS will handle flow. Points were given for Line 1.D instead. Line 1.C.1 - points given for 1.D.1 instead. Line 3.B - AMP not complete because condition assessment is still continuing and no resolution adopting AMP.	
12	Johnston County	Swift Creek Interceptor	Johnston County Public Utilities	Installation of 9,100 lf of 12-inch and 16-inch GS along Swift Creek from NC 42 to Cornwallis Rd, 1,200 gpm PS at Cornwallis Rd with connection to existing FM.		Johnston	\$1,675,000			\$1,675,000	\$1,675,000	26.37	26.40	12	0	5	9.40	Line 4.B - MHI used was wrong.	
13	Taylorsville, Town of	Taylorsville WWTP Renewable Energy Project	Municipal Engineering Services Company, PA	Installation of 100KW photovoltaic renewable energy system to produce 80KW of power.		Alexander	\$306,500	\$306,500			\$306,500	30	25.59	0	5	5	15.59	Line 4.B - we used rate sheet and calculated \$30.90 for sewer.	
14	Cape Fear Public Utility Authority	Pump Station 10 Force Main Replacement	Cape Fear Public Utility Authority	Replacement of 5,200 lf of 30-inch FM with 4,000 lf of 30-inch FM along a shorter route. Existing 30-inch FM will remain in place as emergency backup.	X	New Hanover	\$3,923,500			\$3,923,500	\$3,923,500	54	21.04	2	5	5	9.04	Line 1.C - appears to be an expansion because existing FM will remain in place for emergency use, points were given for Line 1.D instead. Line 1.C.1 - no points given because infrastructure is not being replaced and will remain available for service. Line 3.B - AMP not complete because condition assessment is still continuing and no resolution adopting AMP.	

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15	Cape Fear Public Utility Authority	Pump Station 12 Force Main Replacement	Cape Fear Public Utility Authority	Replacement of 4,600 lf of 20-inch FM with 5,000 lf of 16-inch FM, 2 ARV. Existing 20-inch FM will remain in place as emergency backup.	X	New Hanover	\$1,766,000			\$1,766,000	\$1,766,000	54	21.04	2	5	5	9.04	Line 1.C - appears to be an expansion because existing FM will remain in place for emergency use, points were given for Line 1.D instead. Line 1.C.1 - no points given because infrastructure is not being replaced and will remain available for service. Line 3.B - AMP not complete because condition assessment is still continuing and no resolution adopting AMP.	
16	Cape Fear Public Utility Authority	Greenfield Lake Outfall Phase 3 Sewer Replacement	Cape Fear Public Utility Authority	Installation of 161 lf of 24-inch, 72 lf of 18-inch GS and MH on pile foundation. Abandon in place 555 lf of GS and remove 4 MHs.		New Hanover	\$344,451			\$344,451	\$344,451	31	16.04	2	0	5	9.04	Line 2.E.1 - US EPA consent decree states "forcemain rehabilitation component of the CIRP shall require rehab of all FMs and related appurtenances that have been identified as in need of rehab under the CSSAP". This project is for a gravity sewer. Line 3.B - AMP not complete because condition assessment is still continuing and no resolution adopting AMP.	
INELIGIBLE APPLICATIONS																			
17	Davie County	East Davie Wastewater Collection System	Highfill Infrastructure Engineering, PC	Installation of 4,700 lf of 8-inch FM from Yadkin River PS to Smith Creek FM which will become repurposed Yadkin River FM to reverse flow from Yadkin River PS to Smith Creek PS, replacement of pumps at Yadkin River PS to accommodate FM reroute, demolition of Smith Creek PS, installation of 3,400 lf of 18-inch GS from Smith Creek PS to new Bermuda Run West PS, Bermuda Run West PS and 6,800 lf of 16-inch FM, East Davie PS and 31,000 lf of 20-inch FM to Muddy Creek Interceptor.		Davie	\$17,073,300												Ineligible based upon submitted Fund Transfer Certification which includes transfer that does not meet requirements of G.S. 159G-37(b)
18	Louisburg, Town of	Novozymes Sewer Improvements	Municipal Engineering Services Company, PA	Installation of Effluent PS to convey flow from Novozymes wastewater treatment facility to permitted discharge location.		Franklin	\$6,634,140												Project is for a privately owned WWTP. Confirmed ineligible for SRF funding by EPA.