

**Agenda Item F-5.
Wastewater Projects
Fall 2021 Application Round**

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

	Funded in State Reserve
	Funded in State Reserve and CWSRF
	Funded in CWSRF
	Not Funded

Project No.	Applicant Name	Project Name	Distressed	County	Engineering Firm	Project Description	Provided Additional Information	% PF/Grant Verified	Total Project Cost	Total Funding Requested	State Grant	State Loan	SRF Principal Forgiveness	CWSRF Green Project Reserve Loan	SRF Loan	Points Submitted	Points Verified	Project Purpose	Project Benefit	System Management	Affordability	Difference in Points Claimed & Verified	Other Considerations/Staff Notes
FUNDING REQUESTED IN COMPLETE APPLICATIONS									\$383,665,320	\$364,583,124	\$4,939,998	\$9,048,494	\$2,500,000	\$5,149,900	\$79,726,699								
1	Louisburg, Town of	Green Hill Pump Station Replacement / Relocation		Franklin	Municipal Engineering Services Co., P.A.	Relocate Pump Station outside of 500 year flood plain.	No	50%	\$1,034,996	\$1,034,996	\$517,498	\$517,498				65	65	25	8	15	17		Application checked both 50% and 100% minimum grant dollar amount. We will assume 50% (lowest) amount.
2	Pilot Mountain, Town of	Collection System Improvements	x	Surry	WithersRavenel	Replace 4,300 LF of gravity sewer, one lift station, and 5 control panels of other lift stations.	No	50%	\$2,845,000	\$2,845,000	\$1,422,500	\$1,422,500				67	63	25	4	15	19	2.N.5 Application obtained 2.N.4 points, and therefore cannot receive 2.N.5 points also.	
3	Wilkesboro, Town of	Wilkesboro Cub Creek WWTP Expansion	x	Wilkes	HDR Engineering of the Carolinas, Inc.	WWTP expansion from 4.9 to 9 MGD.	No	100%	\$60,000,000	\$60,000,000	\$3,000,000		\$500,000		\$29,500,000	71	63	12	35	7	9	2.O: Cub Creek & Yadkin River are not impaired at WWTP discharge. Only further downstream towards High Rock Lake. 3.A.1 Insufficient AMP documentation. Gave CIP points instead (3.A.2).	Eligible for Green Project Reserve, however better funding is available through State Reserve and PF.
4	Pikeville, Town of	2022 Sanitary Sewer Improvements	x	Wayne	McDavid Associates, Inc.	Replace 1,500 LF of gravity sewer.	No	100%	\$500,000	\$500,000			\$500,000			58	58	25	3	5	25		
5	Halifax, Town of	Phase 1 Sewer System Improvements Project	x	Northampton	Engineering Services, P.A.	Rehabilitate Pump station and gravity sewer.	No	100%	\$1,100,000	\$1,100,000						53	53	25	0	5	23		Minimum acceptable PF is 100% (\$1,100,000), but SRF PF limited to \$500,000. and insufficient State Grants funds remain.
6	Eden, City of	Contracts IIB and V - Junction Pump Station Rehab & Smith River Replacement and Rehab and Siphon Replacement		Rockingham	WK Dickson	Rehabilitate pump station, adding resiliency, and rehabilitate gravity sewer.	Yes	25%	\$10,172,225	\$9,972,770			\$500,000		\$2,513,243	52	52	25	9	5	13		*** This project (CS370458-08) has \$7,158,892 in SRF funds from Fall 2020 (\$2,116,609 SRF Loan, \$5,042,373 ASADRA SRF loan). This Application seeks an additional \$3,013,243 because of increased construction costs.
7	Brevard, City of	North Brevard Sewer		Transylvania	Brown Consultants	New pump station and 6,800 LF of gravity sewer.	No	75%	\$2,287,367	\$2,287,367			\$500,000		\$1,787,367	52	52	15	15	7	15		
8	Graham, City of	Graham WWTP Improvements Project		Alamance	Hazen and Sawyer	Expansion of the Graham WWTP.	Yes	25%	\$45,445,000	\$10,151,000			\$500,000		\$9,651,000	68	50	12	31	0	7	2.1 Application did not include calculations showing decreased pollutant loading, as required for a WWTP expansion. 3.A.1 CIP not adopted within 2 years. 3.B OR cannot include (-) numbers. No points.	*** This project (CS370563-04) has \$35,294,000 in SRF loan. This Application seeks an additional \$10,151,000 because of increased construction costs.
9	Enfield, Town of	2021 CWSRF Sanitary Sewer Phase 4 Pump Stations 2, 6, 8 & 9 Replacement / Repair and Collection Lines Improvements	x	Halifax	Engineering Services, P.A.	Rehabilitate four pump stations and gravity sewer.	Yes	75%	\$1,877,615	\$1,877,615						56	50	12	0	15	23	2.E.2 Insufficient documentation. 2.N.7 Increasing backup generator size due to increased PS capacity is Not adding Redundancy. No Points given.	Minimum acceptable PF is \$1,408,211, but SRF PF limited to \$500,000, and SRP grant is not available. This project is continuation of other DWI-funded projects: E-SRP-W-17-0107, E-SRP-W-20-0179 and CDBG Projects 18-C-3072, 16-I-3157 and 20-I-3607.
10	Manteo, Town of	UV Disinfection and Resiliency Upgrade		Dare	Green Engineering	Install UV Disinfection and new generator at WWTP.	Yes	25%	\$1,882,030	\$1,882,030					\$1,882,030	49	47	25	6	5	11	2.D Points were not claimed, but the Application requested consideration regarding ISTV Dibromochloromethane in effluent. The issue is complicated; this Rule was in effect years ago.. Just recently applied to Manteo. No points given. 3.A.2 Draft meeting minutes can only be used for documentation for adoption of a CIP when < 45 days from Application Deadline. No points given.	
11	Ayden, Town of	Carmichael MHP Sewer Pump Station Improvements		Pitt	McDavid Associates, PA	Rehabilitate pump station.	Yes	50%	\$500,000	\$500,000						92	47	25	0	5	17	2.C SSOs more than 5 years old, and related to a tropical storm. 2.N.4 Insufficient documentation. 2.O No direct connection between Project and impaired waters. 3.A.1 No description of AMP included. 3.A.2 CIP Resolution more than 2 years old.	Applicant's minimum acceptable PF (100%/500,000) is greater than its PF-eligibility (50%).
12	Cape Fear Public Utility Authority	Walnut Street Pump Station (PS9) Replacement		New Hanover	McKim & Creed	Replace pump station. Eliminate another pump station with gravity sewer.	No	0%	\$5,149,900	\$5,149,900				\$5,149,900		49	44	25	9	10	0	3.B Insufficient documentation	Eligible for Green Project Reserve. This Project Satisfied minimum requirement for Green Project Reserve funding.
13	Pembroke, Town of	Wastewater System Improvements		Robeson	The Wooten Company	Rehabilitate of 37,000 LF gravity sewer, relocation of pump station, replacement of WWTP influent pump.	Yes	0%	\$2,013,500	\$2,000,000		\$2,000,000				53	43	25	3	0	15	3.A CIP does not meet 10-year requirement. CIP not updated in past 2 years. No AMP points.	CDBG-I Application also.
14	Clayton, Town of	Neuse River Water Reclamation Facility & ECIA PS & FM		Johnston	Town of Clayton	Expansion of the Clayton WWTP from 2 MGD to 5 MGD, and 27,800 LF 24-inch force main.	Yes	0%	\$175,100,000	\$59,940,000						43	43	12	8	15	8		Clayton has reached the \$100M in indebtedness cap (\$110,000,000 SRF loan project # CS370431-07). Only eligible for additional SRF loan if funds are available.

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FUNDING REQUESTED IN COMPLETE APPLICATIONS									\$383,665,320	\$364,583,124	\$4,939,998	\$9,048,494	\$2,500,000	\$5,149,900	\$79,726,699															
15	Wallace, Town of	Wallace Gravity Sewer Rehabilitation - Phase 2		Duplin	Stroud Engineering, PA	Rehabilitate 18,175 LG gravity sewer.	No	0%	\$1,520,720	\$1,520,720		\$1,520,720				49	39	25	0	5	9	3.A.1 Wrong project description in CIP compared to Narrative. No AMP points given.								
16	Burgaw, Town of	Wastewater Infrastructure Rehabilitation & Improvements		Pender	McKim & Creed	Relocate 3 pump stations, rehab a 4th pump station, and rehabilitate gravity sewer.	No	25%	\$7,405,733	\$7,405,733						52	39	15	8	5	11	1.C.1 Old replaced is 43%, which is less than 50%, so no points given. 2.N.7 Already awarded 1.N.1 points. Cannot award two 2.N points.	Applicant's minimum acceptable PF (\$1,851,433) but SRF PF limited to \$500,000, and insufficient State Grants funds remain.							
17	Stantonsburg, Town of	Stantonsburg Sanitary Sewer Rehab Phase II		Wilson	Municipal Engineering Services Co., P.A.	Replace/Rehabilitate 6,100 LF of gravity sewer.	Yes	50%	\$1,387,776	\$1,387,776		\$1,387,776				62	36	12	0	5	19	1.C Application does not specify like-for-like replacement of 8-inch pipe. Gave expansion points instead (1.D). 2.E.2 No points given for Town being on sewer Moratorium. 3.A.1 Insufficient AMP documentation.								
18	Belmont, City of	Belmont Pump Station and Force Main		Gaston	HDR Engineering of the Carolinas, Inc.	Decommission the Belmont WWTP, and a new 7 MGD pump station and force main to Charlotte Water system.	Yes	0%	\$41,559,473	\$15,095,034					\$15,095,034	37	34	25	3	0	6	2.1 No points give, since this construction project itself does not improve the quality of the treated effluent.								
19	Orange Water and Sewer Authority	Secondary Clarifier No. 4 Improvements Project		Orange	Hazen and Sawyer	Rehabilitate WWTP clarifiers.	No	0%	\$2,200,000	\$2,200,000		\$2,200,000				34	31	25	0	0	6	2.1 Repairing clarifiers does not gain points. Only adding new/additional treatment.								
20	Durham County	Chin Page Road Pump Station		Durham	CDM Smith	Relocate and expand pump station outside of 500 year flood plain, and expand gravity sewer.	No	0%	\$19,683,985	\$19,298,025					\$19,298,025	53	31	12	8	5	6	2.O No direct correlation between SSOs and impaired waters. Impairment is over 3 miles downstream, plu no SSO documentation provided.	Last Funded Project (recommended)							
21	Mebane, City of	Wastewater Resource Recovery Facility Expansion		Alamance	McGill Associates	Expansion of the Mebane WWTP.	Yes	0%	\$51,000,000	\$50,000,000						33	30	12	11	5	2	2.1 Application did not include calculations showing decreased pollutant loading, as required for a WWTP expansion.								
22	Wilkesboro, Town of	Cub Creek Phase III Stream Restoration	x	Wilkes	BREC	Stream and Buffer restoration.	Yes	0%	\$1,586,400	\$1,586,400						59	29	20	0	0	9	2.O Cub Creek & Yadkin River are not impaired at WWTP discharge. Only further downstream towards High Rock Lake. 2.P Project will benefit Class C waters only. Stream not impaired. No points given.	GREEN Project, Green Project Reserve minimum funding requirement was satisfied with higher priority eligible green projects.							
23	Wilson, Town of	Lower Bloemery Swamp and Old Fields Interceptor Sewer Project		Wilson	Green Engineering	Expansion of 18,910 LF force of gravity sewer.	No	0%	\$6,349,131	\$6,349,131						65	28	12	0	5	11	1.C.1 No Points given, as the Application received 1.D points. 2.C Expansion projects cannot earn points under this Line Item. 2.P No letter from Public Water Supplu Section confirming area is covered by an approved Source Water Protection Plan. No points given.								
24	Bald Head Island, Village of	Bald Head Island Wastewater Treatment Plant Expansion Project		Brunswick	McKim & Creed	Expansion of the SBR WWTP from 0.3 MGD to 0.65 MGD.	No	0%	\$12,973,895	\$12,973,895						32	27	15	0	0	12	1.C No points given because 1.H expansion points given (reclaimed points). 2.1 Improvements are to meet permit requirements. No points awarded.	GREEN Project, Green Project Reserve minimum funding requirement was satisfied with higher priority eligible green projects.							
25	Contentnea Metropolitan Sewage District	2021 CMSD Sewer Force Main Replacement	x (see note.)	Pitt	The Wooten Company	Expansion of 9,240 LF force main pipe.	No	50%	\$4,013,190	\$3,934,500						26	26	12	0	5	9	Note: Application did not claim 4.B points, so no 4.B points were given. Application calculated Rates in a non-conventional and in-correct way.	Grifton is Distressed. NOTE: CMSD serves three towns: Ayden, Grifton, and Winterville.							
26	Nashville, Town of	Essex Road Sewer Extension		Nash	Stocks Engineering	Replace failing septic systems in subdivision with gravity sewer.	No		\$663,592	\$597,232						52	24	2	0	7	17	1.B No documentation for failed septic systems. No maps. 2.C No maps of failed septic systems. No documents from registered sanitarian/soild scientist.	CDBG-I Application also.							
27	Graham, Town of	Copper Road Pump Station Upgrade		Alamance	Alley, Williams, Carmen & King, Inc	Relocate and expand pump station outside of the 500 year floodplain, and expand sewer and forcemain.	Yes	0%	\$2,616,000	\$2,616,000						56	22	12	3	0	7	2.N Unclear documentation regarding position of PS in 100 YR floodplain. Points given under 2.N.3 instead. 2.O Stream not listed as impaired. 2.P Haw River classified as WS-V and NSW. No points. 3.A.2 No documentation approving CIP.								
28	Fayetteville Public Works Commission	Rockfish Creek WRF Expansion Phase 3		Cumberland	Hazen and Sawyer	Expansion of the Rockfish Creek WRF.	No	0%	\$81,571,320	\$74,966,000						22	19	2	0	10	7	2.1 Application did not include calculations showing decreased pollutant loading, as required for a WWTP expansion.								

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29	Orange Water and Sewer Authority	Morgan Creek Interceptor Replacement		Orange	Engineer Not yet selected	Expand 2000 LF of 24-inch gravity sewer with 30-inch gravity sewer.	Yes	0%	\$1,400,000	\$1,400,000						48	18	12	0	0	6	2.O Project does not directly benefit impaired waters. 2.P Insufficient documentation: No letter from PWS confirming Source Water Protection Plan.	
30	Contentnea Metropolitan Sewage District	20201 WWTP Re-Rating	x (see note.)	Pitt	The Wooten Company	Expansion (Phase 2) of the CMSD WWTP.	Yes	0%	\$4,092,240	\$4,012,000						22	16	2	0	5	9	4.8 Rates were calculated in a non-conventional and incorrect way. No points given. Grifton is Distressed. NOTE: CMSD serves three towns: Ayden, Grifton, and Winterville.	

Incomplete Applications																							
	Elizabethtown, Town of	Repair and Rehabilitation of WWTP		Bladen	EL Robinson Engineering	Rehabilitate WWTP.	Yes	0%	\$3,450,000	\$2,000,000						55	36	25	0	0	11	INCOMPLETE APPLICATION: 3.A.1 AMP Guidance not followed. No CIP adoption. 3.B No financial information given, so No Operating Ratio, and No Affordability Calculator results	INCOMPLETE APPLICATION: CDBG Application also. Application has CDBG Resolution only. No Funds Transfer Certificate Form. Not eligible for minimum PF/Grant acceptable.