

Agenda Item F-4.
Drinking Water Projects
Fall 2021 Application Round (revised 2-8-22)
(Changes shown in red.)

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Project No.	Applicant Name	Project Name	Distressed	County	Engineering Firm	Project Description	Provided Additional Information	Min. Acceptable PF/Grant\$	% PF/Grant Verified	Total Project Cost	Total Funding Requested	State Grant	State Loan	SRF Principal Forgiveness	SRF Loan	Points Submitted	Points Verified	Difference in Points Claimed & Verified	Other Considerations/Staff Notes	
FUNDING REQUESTED IN COMPLETE APPLICATIONS										\$717,148,230	\$389,502,093	\$2,098,860	\$341,500	\$3,000,000	\$50,184,657					
1	Elizabeth City, City of	Raw Water Reservoir Rehabilitation (Supplement)		Pasquotank	AECOM	Additional funding for ongoing project WIF1956 Upgrade water treatment plant to meet surface water treatment plant requirements.	Yes	\$0	50%	\$2,426,732	\$1,353,429			\$676,715	\$676,715	85	85		Project WIF1956 previously funded with SRF funds. No benefit to providing SRP Grant if PF is available. Additional PF available after allocating available DWSRF loan funds. Award to higher priority eligible project.	
2	Davie County Public Utilities	Water Supply Improvements Project		Davie	Hazen & Sawyer	Additional funding for ongoing (WIF-2018 & SRP-D-0203) Water Supply Improvements Project.	Yes	\$0	0%	\$37,175,427	\$9,125,427				\$9,125,427	69	59	2.F: Project does not include a merger.		
3	Stovall, Town of	Water Tank, Water Main, and Associated Improvements (Reconsideration)	x	Granville	McGill Associates, PA	Replace waterlines and hydrants and install a mixer at elevated storage tank.	No	\$1,757,360	100%	\$1,757,360	\$1,757,360	\$1,757,360					58	53	2.J: Most recent and 3-year average audits show <30% water loss 4.B Drop from 10 to 8 points due to combined rates	RECONSIDERATION
4	Scotland Neck, Town of	Phase 2 Water Improvements	x	Halifax	Engineering Services, P.A.	Replace ±8,550 LF of waterlines and all appurtenances.	No	\$0	100%	\$1,513,130	\$1,513,130			\$1,116,697	\$396,433	51	51		Additional PF available after allocating available DWSRF loan funds. .	
5	Enfield, Town of	2021 Water Improvements Project Phase 7 - Distribution Lines and Appurtenances on Sherrod Heights, Branch Street, Whitfield Street & W. Burnette Avenue	x	Halifax	Engineering Services, PA	Replace ±6,250 feet of waterline and appurtenances.	No	\$859,685	0%	\$859,685	\$859,685						63	50	2.E.2: Did not include response to NOV or show violations directly related to project. 4.B: Lost points and PF eligibility from change to combined rates.	RECONSIDERATION Applicant's minimum acceptable PF (100%/\$859,685) is greater than its PF-eligibility (0%).
6	Pilot Mountain, Town of	Water System Improvements	x	Surry	WithersRavena I	Replace ±500 LF of 10-inch CI waterline and 35 hydrants. Install 21 new isolation valves, an altitude valve and a tank mixers.	Yes	\$0	50%	\$683,000	\$683,000	\$341,500	\$341,500			53	50	2.N.7: Did not adequately explain resiliency of replacing old waterlines size-by-size with new; not redundant.		
7	Sharpsburg, Town of	Phase 3 Water System Improvements Project	x	Edgecombe / Nash / Wilson	Engineering Services, P.A.	Replace old AC waterline with ±3,750 LF of 6-inch PVC and DI waterline and 125 LF of 8-inch directional drill HDPE waterline, 24 hydrants, and 74 services.	Yes	\$696,000	100%	\$928,000	\$928,000					52	48	4.A: Applicant claimed 8 points based on 925 connection. Page 1 of application states 1,049 residential connections.	Minimum acceptable PF is \$696,000, but SRF PF limited to \$500,000, and SRP grant is not available.	

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8	Sanford, City of	Sanford WTP Expansion		Lee	Hazen and Sawyer	Expand the WTP from 12 mgd to 24 mgd with improvements.	No	\$0	25%	\$147,540,000	\$73,770,000			\$500,000	\$19,500,000	55	48	2.H.3: Narrative shows detected levels are below the Health Advisory Level.	
9	Peachland, Town of	Phase 1 Water Improvements		Anson	Engineering Services, PA	Replace and upsize ±16,350 LF of waterline to a 6-inch and extending an existing 8-inch waterline to improve flow and pressure.	No	\$1,719,105	75%	\$1,719,105	\$1,719,105					58	46	2.G: Pressure was measured at flow over 250 gpm. 4.B: Drop from 8 to 6 points based on combined rates.	RECONSIDERATION Minimum acceptable PF is \$1,719,105, but SRF PF limited to \$500,000, and SRP grant is not available.
10	Fuquay-Varina, Town of	Sanford WTP Expansion		Wake	Hazen and Sawyer	WTP Expansion.	No	\$0	0%	\$147,540,000	\$73,770,000				\$15,000,000	52	45	2.H.3: Did not exceed nor cite Health Advisory Level.	Insufficient funds to fund to \$20,000,000 after 15% assistance to small system requirements is met.
11	Yanceyville, Town of	Waterline Replacement		Caswell	Alley, Williams, Carmen & King, Inc.	Replace 1-inch to 3-inch waterline with 6-inch ductile iron pipe and rehab/replace 983 water service connections.	No	\$700,000	0%	\$1,325,000	\$1,325,000					61	40	2.D: Did not document project addresses revised LCR requirements. 2.G: Small lines do not document low pressure. 2.J: Claimed on scorecard but not addressed in Narrative 3.D: Water loss exceeds 10%; Study from 2010 does not document a program. 4.A through 4.C: Application included only the CDBG scorecard. Points recalculated based on LGU parameters.	Applicant's minimum acceptable PF (\$700,000) is greater than its PF-eligibility (50%).
12	Siler City, Town of	Water Pressure Project in Homewood Acres Neighborhood		Chatham	McGill Associates, PA	Install a new Booster Pump Station and ±5,660 LF of 2-in - 4 - in waterline to improve service to low-pressure area.	No	\$195,000	25%	\$826,355	\$826,355			\$206,589	\$619,766	60	40	2.B: Pressure problems under Line Item 2.G do not earn these points.	Fund to meet minimum 15% loan assistance to small systems
13	Winston-Salem, City of	Neilson WTP Modernization		Forsyth	Black & Veatch	Additional funding for project funded under WIF-1937, Rehabilitation (without expansion) of the Nielson WTP.	No	\$0	0%	\$121,870,000	\$41,870,000					39	39		RECONSIDERATION Insufficient funds after 15% assistance to small system requirements is met.
14	Lucama, Town of	2021 Water Line Replacement and Elevated Storage Tank		Wilson	McDavid Associates, Inc.	Replace ±4,000 feet waterline and install new 100K gal EST.	Yes	\$500,000	75%	\$1,405,000	\$1,405,000			\$500,000	\$905,000	76	38	1.C & 1.D: Narrative does not discuss size of replacement lines; EST makes project unambiguously expansion. 1.C.1&1.D.1: Budget does not Show 50% of construction cost is for aged infrastructure. 2.B: Project does not address an eligible issue (such as line Item 2.H). 3.D: Do not meet guidance; intermittently exceed 10% water loss; no action shown for more than a year.	Fund to meet minimum 15% loan assistance to small systems.
15	Lucama, Town of	2021 Phase 3 Water Line Replacement Spring / Campbell Streets and Little Rock Church Rd.		Wilson	McDavid Associates, Inc.	Replace ±4,000 feet of waterline.	Yes	\$375,000	75%	\$500,000	\$500,000					56	38	1.C & 1.D: Narrative does not discuss size of replacement lines. 1.C.1&1.D.1: Budget does not Show 50% of construction cost is for aged infrastructure. 3.D: Do not meet guidance; intermittently exceed 10% water loss; no action shown for more than a year.	Scope is subset of other Lucama Application. Recommend funding other application at equal priority.

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16	Orange Water and Sewer Authority	Jones Ferry Road WTP - Electrical Distribution Improvements		Orange	Hazen and Sawyer	New electrical building, electrical distribution, and control systems improvements at the WTP.	No	\$0	0%	\$7,181,400	\$7,181,400					42	37	3.C: Self-certification of a mandatory Source Water Resiliency and Response Plan is not an Approval Letter from PWS for a voluntary Source Water Protection Plan.	Insufficient funds after 15% assistance to small system requirements is met.	
17	Burgaw, Town of	Water Distribution System Rehabilitation Project		Pender	McKim & Creed	Replace ±23,200 LF of 1- 2 inch waterline with 4-inch waterline.	No	\$817,761	0%	\$3,271,044	\$3,271,044					40	36	4.B: Utility rate points corrected.	Minimum acceptable PF is \$817,761, but SRF PF limited to \$500,000, and SRP grant is not available.	
18	Town of Franklin	Phase II WTP Improvements		Macon	WithersRavena I	Expand WTP from 2.0 to 4.0 MGD.	No	\$0	0%	\$8,889,000	\$8,889,000				\$0	39	36	2.E.2: Expansion project does not address failure-to-monitor.	Project funded July 2021 Fund to meet minimum 15% loan assistance to small systems. Last funded project (recommended)	
19	Craven County	Craven County Water Telemetry / SCADA (Reconsideration)		Craven	McKim & Creed	Install ±118,000 LF of fiber optic communications cable to connect water utility assets; upgrade or replace SCADA and flow meters; install backup power monitoring equipment.	Yes	\$0	0%	\$5,661,114	\$5,499,221					67	35	2.B: Did not provide documentation according to guidance. 2.D: Project does not address a promulgated regulation. 2.E.1: Did not provide narrative relating project to AO or SOC. 2.G: Did not show project addresses low pressure.	RECONSIDERATION	
20	Junaluska Sanitary District	Oak Park Water Line Replacement		Haywood	Brown Consultants, PA	Replace ±15,500 LF of 2-inch and 3-inch waterline with 6-inch waterline.	Yes	\$0	0%	\$3,961,316	\$3,961,316				\$3,961,316	37	35	3.A.2: Cannot unambiguously find project in the CIP; project appears to be a component of larger project in CIP; CIP lacks priority matrix.	Fund to meet minimum 15% loan assistance to small systems. Last funded project (recommended)	
21	Franklin County	New Mays Crossroads Elevated Tank		Franklin	LKC Engineering	Raise the existing elevated tank and install a new 500,000 Elevated Storage Tank.	Yes	\$0	0%	\$4,163,000	\$4,081,000					37	35	4.B: Priority recalculated based on combined rates.		
22	Fayetteville Public Works Commission	PO Hoffer WTF Phase 3 Residuals		Cumberland	Hazen and Sawyer	Construct new dewatering facility, a gravity thickener, and related improvements to Water Treatment Facility.	No	\$0	0%	\$21,254,712	\$20,784,031					32	32			
23	Henderson, City of	Kerr Lake Regional Water Treatment Plant Upgrades		Vance	CDM Smith	Additional funding for WIF1920: Expand 10 MGD Kerr Lake WTP to 20 MGD.	No	\$0	25%	\$66,730,941	\$20,837,941					38	32	2.N.7: Second clearwell is not redundant, but needed at higher flow. 3.E: Cannot compare variable usage rate to "effective" rate in base.		

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24	Dunn, City of	Highway 301 South Elevated Tank (Reconsideration)		Harnett	Davis-Martin-Powell & Associates	Install 500,000 gallon EST, install ±1,500 LF new 6-inch waterline to eliminate a dead end waterline.	No	\$0	0%	\$3,009,000	\$2,950,000					44	31	2.1: Does not show how adding a tank with a mixer would improve water quality. 2.K.2: Project does not include an interconnection. 3.A.2: Received priority for 3.A.1 already.	RECONSIDERATION
25	Cape Fear Public Utility Authority	Replacement of Water Mains, Valves and Water Services on S 5th Ave		New Hanover	WK Dickson	Replace ±9,820 LF of waterline, valves, hydrants and ±160 water services.	Yes	\$0	0%	\$1,758,300	\$1,758,300					45	30	2.D: Did not document project addresses revised LCR requirements 3.B: W&S Financial Information Form shows Operating Ratio <1.0	
26	Elkin, Town of	West Zone Improvements (Reconsideration)		Surry / Wilkes	West Zone Improvements (Reconsideration)	Replace ±7,230 LF of 8 an 12-inch waterline and install ne water storage tank.	No	\$0	50%	\$4,079,874	\$4,079,874					56	30	2.G: Pressure test performed at more than 250 gpm. 2.J: Do not provide water loss for whole system; nor provide annual water audits. 2.K.2: Project does not include an interconnection. 3.D: Did not document audits or ongoing program. Discuss the East Zone; project is in the West Zone. 4.B: Increases from 4 to 6 points due to combined rate.	RECONSIDERATION
27	Wilkesboro, Town of	Wilkesboro DWSRF Water Plant and Intake Project		Wilkes	McGill Associates, PA	Upgrade the WTP and raw water intake to achieve its design capacity. Install a pre-treatment system to address turbidity in source water.	Yes	\$0	0%	\$23,014,260	\$22,563,000					49	29	1.C.1: Aged infrastructure not clear in budget. 2.N.4: Do not show project in relation to flood area. 3.A.1: Do not describe key areas of the AMP.	
28	Rocky Point Topsail Water and Sewer District	RO Water Treatment Plant and Associated Improvements		Pender	CDM Smith	Additional funding for WIF2007. new WTP and waterline to increase capacity.	No	\$0	0%	\$66,870,000	\$43,120,000					41	29	1.D: Water Treatment Plant is new. 2.G Documented a hurricane-related water outage that has not recurred; did not measure low pressure according to guidance.	RECONSIDERATION
29	Lenoir, City of	Finley Area Water System Improvements		Caldwell	McGill Associates, PA	Install 150,000 gallon elevated water tank and booster pump station; replace 15,500 L.F. of waterline , 180 water service connections, 23 fire hydrants, two pumps in booster pump stations and all related appurtenances; install 12-inch waterline.	Yes	\$0	0%	\$5,865,000	\$5,750,000					31	26	3.C: Source Water Protection Letter over five years old; PWSID does not match.	

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30	Ossipee, Town of	Elon Ossipee Road Waterline	x	Alamance	LaBella Associates	Install ±3,000 LF of 6-inch waterline and appurtenances to extend service.	No	\$639,850	0%	\$639,850	\$639,850					28	26	1.D: New waterlines where none exist is "new", not "expansion".	Applicant's minimum acceptable PF is greater than its PF-eligibility.
31	Robbinsville, Town of	Tallahah Creek Water Treatment Plant Upgrades (Reconsideration)		Graham	McGill Associates, PA	Additional funding for H-SRP-D-17-0071: Recommission the WTP and replace existing meters with AMR meters	No	\$1,589,062	0%	\$2,118,750	\$2,118,750					64	26	1.C&1.C.1: plant offline for more than one year is treated as new infrastructure; meters earn no project purpose points 2.I: New plant; no existing treatment to "improve". 2.J: Meters reduce apparent (not real) water loss. 3.A.1&3.A.2: provide no narrative for AMP; do not document CIP adopted in past 2 years. 4.B: Drop from 8 to 6 points due to combined rates.	RECONSIDERATION
32	Stokes Water & Sewer Authority	Hinsdale Road Water Main Extension Project (Reconsideration)		Stokes	LKC Engineering, PLLC	Install ±7,900 LF of 8" and 6" waterline to serve 50 single-family residences.	Yes	\$500,000	0%	\$1,130,300	\$1,130,300					28	26	1.D: New waterlines where none exist is "new", not "expansion".	RECONSIDERATION
33	Sampson County	Keener Groundwater Supply Well		Sampson	Dewberry Engineers, Inc.	New water supply well and back-up power generator.	No	\$0	0%	\$1,503,825	\$1,503,825					33	25	2.K.2: Project does not include an interconnection; documentation fails to address public health need. 4.B: Increased from 6 to 8 points due to combined rates.	
34	Graham, City of	10" Water Main Replacement from Treatment Plant to Northwest Graham		Alamance	Alley, Williams, Carmen & King, Inc	Replace ±29,000 feet of 10-inch waterline with 16-inch waterline.	Yes	\$5,000,000	0%	\$10,092,000	\$10,092,000					59	23	2.D: Did not document project addresses revised LCR requirements. 2.G: Complaints do not document pressure below standard. 2.J: Did not report ILI; water for flushing is not "unaccounted-for". 2.K.2: Narrative does not establish the public health need of Green Level. 3.A.2: Project not clearly matched on CIP; did not document CIP adopted. 4.C: Cannot compare 2019 Statewide LGU parameters to requested 2021 local parameters.	
35	Sampson County	Governor Moore Road and South McCullen Road Water Main Extensions		Sampson	Dewberry Engineers, Inc.	Install ±31,000 LF of 6-in waterline and 50 new residential services.	No	\$0	0%	\$1,671,750	\$1,671,750					22	22	1.D: New waterlines where none exist is "new", not "expansion". 4.B: Increased from 6 to 8 points due to combined rates.	
36	Sampson County	Town of Harrells Interconnection		Sampson	Dewberry Engineers, Inc.	Install ±33,000 LF of 4-in and 8-, a booster pump station, a 20,000-gal ground storage tank, a master meter and vault to provide additional water to the Town of Harrells Water Corp. and water service to 69 new residential customers.	No	\$0	0%	\$2,762,800	\$2,762,800					30	22	2.K.2: did not discuss supplying system capacity or provide interlocal agreement. 4.B: Increased from 6 to 8 points due to combined rates.	
37	Mocksville, Town of	Madison Road BPS Renovation and North Elevated Tank		Davie	Willis Engineers, Inc.	Rehabilitate booster pump station; construct new EST, install ± 200LF of 12-inch waterline connecting the tank to the existing grid.	Yes	\$0	0%	\$3,451,200	\$3,451,200					37	19	1.C ==> 1.D: New tank is expansion. 3.A.1 ==> 3.A.2: Narrative does not describe effective O&M plan.	