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1	North Carolina Clean Water State Revolving Fund									
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5	1	Charlotte-Mecklenburg SW Services	Restoration and enhancement of 7,373 linear feet of stream and 6.1 acres of wetland along Muddy Creek and Eastland Branch, tributaries to Campbell Creek in the McAlpine Creek watershed. Four stormwater best management practices (BMPs) that will address stormwater pollutants in an older, highly urbanized area. Create, enhance, and protect forested riparian areas.	Yes	15.0000	Mecklenburg	\$2,238,843	\$2,194,900	\$1,097,450	
6	1	Fayetteville, City of	Stormwater drainage improvements along Swainey Avenue in the Kornbow neighborhood, including installation of a detention basin.	Yes	11.0232	Cumberland	\$600,000	\$600,000	\$300,000	
7	1	Carolina Beach, Town of	The proposed project consists of the installation of two stormwater wet detention treatment ponds, force main and stormwater pump stations designed per the stormwater best practices manual and completely permitted by North Carolina Department of Environment and Natural Resources. The proposed treatment ponds are designed for the future build out of project area, which will equal 40 percent impervious area.	Yes	10.0051	New Hanover	\$2,300,000	\$2,300,000	\$1,150,000	
8	1	Burlington, City of	Rainwater harvesting device to capture runoff for irrigation purposes. The Kernodle Center has 5,400 square foot roof that currently drains and discharges into the storm sewer.	yes	9.0127	Alamance	\$65,000	\$65,000	\$32,500	
9	1	Raleigh, City of	Rainwater harvesting/reuse at 11 fire stations and one animal shelter including bioretention installation at six facilities. Collected water will be used for irrigation, vehicle washing, and kennel cleaning.	yes	4.0129	Wake	\$465,735	\$465,735	\$232,868	
10	1	Marion, City of	Improvements to the City of Marion's Corpening Creek Wastewater Treatment Plant including the installation of a new headwork assembly, chemical feed equipment, new digester and other appurtenances. Catawba Creek Wastewater Pump Stations and Force Main consists of the installation of a new mechanical screening device, 2 duplex submersible wastewater pump station, a chemical feed system, approximately 12,635 linear feet of 10-inch force main and the abandonment of the City of Marion's existing Catawba River Wastewater Treatment Plant.	No	19.0212	McDowell	\$6,601,364	\$2,601,364	\$1,300,682	
11	1	Graham, City of	Repair of existing sanitary sewer lines at three locations. The project involves sliplining approximately: 6,250 linear feet (l.f.) of 10-inch lines from Webb Avenue to I-40/85; 4,040 l.f. of 8-inch lines from W. Market Street to the 10-inch line on Bidney Drive; 1,580 l.f. of 12-inch and 450 l.f. of 8-inch outfall southeast of E. Crescent Drive; and 3,825 l.f. of 18-inch outfall lines going to the wastewater plant.	No	16.0128	Alamance	\$1,000,000	\$1,000,000	\$500,000	
12	1	Hickory, City of	Replacing an existing 21-inch terra cotta outfall with a 24-inch PVC pipe and installing same adjacent to Cripple Creek and Horseford Creek.	No	16.0095	Catawba	\$3,100,000	\$1,938,000	\$969,000	
13	1	Youngsville, Town of	Sewer Rehabilitation project includes repairs to existing brick manholes and relining of existing terra cotta sewer lines that were installed in the 1930's.	No	16.0085	Franklin	\$919,280	\$919,280	\$459,640	
14	1	Carolina Beach, Town of	Rehabilitation of approximately 2,652 linear feet of 8-inch gravity sewer, approximately 1,380 linear feet of 10-inch gravity sewer, approximately 360 linear feet of 12-inch gravity sewer, approximately 70 brick and mortar manholes, and approximately 85 service laterals.	No	16.0046	New Hanover	\$1,000,000	\$1,000,000	\$500,000	
15	1	Eden, City of	Smith River Phase 1, involves the replacement of approximately 55 linear feet (l.f.) of 8-inch gravity sewer, 45 l.f. of 12-inch gravity sewer, and 7 manholes. Dry Creek Phase 1, replacement of approximately 55 l.f. of 8-inch gravity sewer and 655 l.f. of 16-inch gravity sewer.	No	15.0267	Rockingham	\$714,303	\$714,303	\$357,152	
16	1	Morehead City	Renovating Pump Station No. 9, including the replacement of the 10 MGD mechanical bar screen and manual bar screen, demolition of the existing pump station, construction of a new pump station to include dual 2,500 gpm pumps, VFD drives, and all electrical work and yard piping. In addition, renovating Pump Station No. 12, which involves replacement of dual 650 gpm pumps, a new flow meter, and all electrical work and yard piping.	No	15.0108	Carteret	\$2,100,000	\$2,100,000	\$1,050,000	
17	1	Charlotte-Mecklenburg SW Services	Construct a 10.8 acre-foot lake to catch and filter stormwater runoff and provide a pond for irrigation purposes. The pond will detain stormwater to near pre-developed hydrology and as a result will protect Irwin Creek from the scouring effects of a highly urbanized watershed.	No	15.0000	Mecklenburg	\$589,106	\$577,555	\$288,778	
18	1	Mebane, City of	Replacement of approximately 1,920 linear feet of 8-inch gravity sewer by means of pipe bursting and slip-lining, replacement of 23 sanitary sewer manholes, and rehabilitation of one sanitary sewer manhole.	No	14.0101	Alamance	\$230,000	\$230,000	\$115,000	
19	1	Kure Beach, Town of	Sanitary sewer system improvements to replace and rehabilitate 4,950 linear feet of existing 8-inch, 10-inch, and 12-inch sewer lines to reduce inflow and infiltration on Fort Fisher Boulevard and Atlantic Avenue.	No	14.0058	New Hanover	\$1,210,432	\$619,432	\$309,716	
20	1	Moore County	Replacement of five sewer lift stations around Pinehurst Lake. The pump capacities are 100 gpm, 486 gpm, 1493 gpm, 344 gpm, and 370 gpm.	No	14.0003	Moore	\$3,488,037	\$3,000,000	\$1,500,000	
21	1	Pitt County	Sewer System Extension, PS and Force Mains to Provide Service to Stokes and Pactolus Elem. School	No	14.0000	Pitt	\$1,820,287	\$1,820,287	\$910,144	
22	1	Cove City, Town of	Install central sewer to the town. Approximately 3,900 linear feet of gravity sewer collection piping and manholes. The project will eliminate current public health hazard conditions and environmental hazard conditions by providing sewer to approximately 39 existing households.	No	13.0960	Craven	\$1,250,000	\$1,250,000	\$625,000	

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23	1	Selma, Town of	Installation of Radio SCADA RTUs at 19 sewer pump stations and installation of base station.	No	13.0114	Johnston	\$180,000	\$180,000	\$90,000	
24	1	Conover, City of	(1) cleaning and TV investigation of approximately 18,500 linear feet of sewer pipe and service laterals; (2) sewer rehabilitation to include point repairs of approximately 420 linear feet of 8-inch gravity sewer, 36 linear feet of 10-inch gravity sewer, 36 linear feet of 12-inch gravity sewer, and 36 linear feet of 15-inch gravity sewer; (3) point repairs to existing 4-inch and 6-inch service laterals; (4) replacement of 1, 235 linear feet of 8-inch gravity sewer; (5) replacement of 635 linear feet of 12-inch gravity sewer; (6) rehabilitation to existing manholes; and (7) rehabilitation (using cured-in-place pipe lining) of 700 linear feet of 8-inch gravity sewer, 50 linear feet of 10-inch gravity sewer, 150 linear feet of 12-inch gravity sewer, and 100 linear feet of 15-inch gravity sewer.	No	13.0111	Catawba	\$1,727,025	\$1,727,025	\$863,513	
25	1	Murphy, Town of	Cherokee Hills pump station, replace the existing 1-phase submersible grinder pumps with 3-phase submersible grinder pumps as well as new controls and an emergency generator and automatic transfer switch. The Murphy Medical Center pump station, replace the existing pump station with new submersible pumps, controls, emergency generator, automatic transfer switch, wet well, valve vault, piping, valves, and other associated appurtenances.	No	13.0044	Cherokee	\$771,500	\$771,500	\$385,750	
26	1	Rich Square, Town of	Rehabilitation of approximately 1,950 linear feet of 8-inch gravity sewer, approximately 3,000 linear feet of 12-inch gravity sewer, 14 manholes, and 47 sewer services; replacement of approximately 5,700 linear feet of 8-inch gravity sewer, approximately 3,500 linear feet of 10-inch gravity sewer, approximately 1,000 linear feet of 12-inch gravity sewer, 40 manholes, and 40 sewer services; approximately ten (10) point repairs and associated site work.	No	12.0531	Northampton	\$2,275,535	\$1,728,180	\$864,090	
27	1	Columbus, Town of	Replacement of approximately 35 manholes on the Miliken sewer interceptor that have been identified as sources of infiltration and inflow into the sewer system.	No	12.0364	Polk	\$280,600	\$280,600	\$140,300	
28	1	Gastonia, City of	Installation of 371 linear feet of 24-inch CIPP liner in a 24-inch corroded class A concrete pipe that has suffered extensive corrosion from hydrogen sulfide, at the Catawba Creek Pumping Station. Includes rehabilitation of the main inflow vault, replacement and lining of 24-inch bends in the pipe.	No	12.0219	Gaston	\$308,532	\$308,532	\$154,266	
29	1	Highlands, Town of	Extending sewer service to the Mirror Lake area including 12,600 linear feet of 8-inch gravity sewer lines, 120 manholes, a 100 gpm pump station, and 260 linear feet of 4-inch HDPE force main.	No	12.0022	Macon	\$3,986,180	\$3,000,000	\$1,500,000	
30	1	Hertford, Town of	The proposed project consists of sanitary sewer rehabilitation to include but not limited to: 2,535 linear feet (l.f.) 6-inch Diameter sanitary sewer trenchless rehabilitation, 9,045 l.f. 8-inch Diameter sanitary sewer trenchless rehabilitation, 2,495 l.f. 10-inch Diameter sanitary sewer trenchless rehabilitation, 760 l.f. 6- and 8-inch Diameter sanitary sewer point repairs, 400 vertical feet sanitary sewer manhole rehabilitation, and 3 each sanitary sewer manhole installations in various locations of the Town of Hertford collection system.	No	11.4867	Perquimans	\$854,187	\$854,187	\$427,094	
31	1	Scotland Neck, Town of	Repair and/or replacement of approximately 13,500 linear feet of gravity sewer, 192 service connections, 37 manholes, and 16 point repairs. Between Main Street and Greenwood Street.	No	11.0373	Halifax	\$1,804,776	\$1,534,250	\$767,125	
32	1	Rhodhiss, Town of	Sewer rehabilitation including the replacement of approximately 350 linear feet of 8-inch gravity sewer, and rehabilitation of approximately 95 manholes.	No	11.0070	Burke	\$188,764	\$188,764	\$94,382	
33	1	Liberty, Town of	Replacement of approximately 3,000 linear feet of old 8-inch sewer line from Frazier Avenue to the Kinro Road pump station, installation of fifteen manholes, rehabilitation of one existing manhole, and four service reconnections.	No	11.0066	Randolph	\$300,000	\$300,000	\$150,000	
34	1	Troutman, Town of	Sewer rehabilitation including the replacement of approximately 400 linear feet of 8-inch gravity sewer, relining (CIPP) approximately 771 linear feet of 8-inch gravity pipe, replacement of approximately 10 manholes, rehabilitating (raising) 2 manholes, and modification of the Massey Street Pump Station, consisting of construction of a smaller wet-well structure.	No	11.0009	Iredell	\$237,595	\$237,595	\$118,798	
35	1	Tuckaseegee Water & Sewer Authority	Improvements to the existing Tuckaseegee Water and Sewer Authority's Wastewater Treatment Plant #1 that would expand the Plant from 1.5 MGD to 3.5 MGD.	No	11.0000	Jackson	\$14,165,000	\$3,000,000	\$1,500,000	
36	1	Buncombe County MSD	Replacement of existing 6-inch, 8-inch, and 12-inch sewer lines near Lake Julian with new 12-inch, 10-inch, and 8-inch ductile iron lines. The replacement lines have an approximate combined length of 4,134 linear feet. These sites are identified as PRP 47006 Glen Bridge Road, and PRP 48002 Long Shoals Road.	No	10.1005	Buncombe	\$1,029,600	\$1,029,600	\$514,800	
37	1	Dover, Town of	Construction of 2,925 linear feet of gravity sewer collection facilities to complete service to an unsewered community.	No	10.0962	Craven	\$1,100,000	\$1,100,000	\$550,000	
38	1	Chadbourn, Town of	Repair and/or replacement of sewer lines along First Avenue including 4,100 linear feet of 8-inch gravity sewer and nine manholes.	No	10.0540	Columbus	\$1,406,027	\$1,212,491	\$606,246	

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39	1	Wilson, City of	Contentnea Interceptor sanitary sewer rehabilitation project that consists of the lining of 9,008 linear feet of 30-inch diameter gravity sewer pipe.	No	10.0348	Wilson	\$1,396,006	\$1,396,006	\$698,003	
40	1	High Point, City of	Repair and rehabilitate and abandonment of the existing Lazy Lane Pump Station.	No	10.0258	Guilford	\$1,816,485	\$1,798,500	\$899,250	
41	1	Roxboro, City of	Rehabilitation of sewer outfalls and mains draining to the Brooks Pumping Station consisting of cured-in-place pipe lining of 3,740 linear feet (l.f.) of 8-inch gravity sewer, pipe bursting 970 l.f. of 6-inch and 8-inch sewer, and repairing 33 sewer connections.	No	10.0149	Person	\$465,548	\$465,548	\$232,774	
42	1	Bryson City, Town of	Replacement of the Powell Lift Station with a new duplex submersible pump station along with an emergency generator and automatic transfer switch. Also as part of this project, approximately 2,700 linear feet of existing 10-inch vitrified clay sanitary sewer will be replaced with 16-inch ductile iron pipe.	No	10.0136	Swain	\$449,570	\$166,524	\$83,262	
43	1	Lake Lure, Town of	Sewer pipe joint wrapping-sealing of sewer lines under Lake Lure to reduce inflow and infiltration.	No	10.0040	Rutherford	\$3,000,000	\$3,000,000	\$1,500,000	
44	2	Highlands, Town of	Innovative stormwater treatment consisting of the construction of approx. 830 linear feet of 15-inch, 18-inch, 24-inch, 36-inch, and 36-inch equivalent storm sewer piping including 12 curb inlets, 1 junction box, 75 feet of 2' x 4' box culvert, approx. 28,000 cubic feet of innovative underground storage using the rain tank storage system, 25-cfs crystal stream technologies hydrodynamic separator, and related appurtenances. Final repairs will also incorporate native vegetation and plantings and the installation of pervious grass paver parking areas and access lanes along with pervious sidewalks to reduce runoff.	Yes	19.0030	Macon	\$546,517	\$546,517	\$273,259	
45	2	Watauga County (Western North Carolina Alliance)	Upper Watauga River Enhancement Project - stabilize eroded streambanks through natural channel design measures and a vegetated rock slope along the most severely eroded portion; native planting will occur in all disturbed areas (herbs, trees, shrubs). Includes permanent conservation easements of a 50' wide buffer along the river which will not be disturbed after the enhancement measures are in place.	Yes	15.0090	Watauga	\$580,000	\$580,000	\$290,000	
46	2	Black Mountain, Town of	Project involves the construction of 6 off-line regional extended stormwater wetland detention/sedimentation areas upstream of Lake Tomahawk and the replacement of the existing inlet control structure and valve. This project will create over 21.5 acre-feet (34,600 yd3) of additional storage capacity and prevent sediment (TSS) from entering the lake by providing sediment removal and storage in a location designed for easy sediment removal. The new regional stormwater detention areas will utilize native riparian wetland vegetation to assist in the removal of additional urban runoff pollutants such as nitrogen and phosphorus. The new stormwater detention areas will also provide flood control and reduce the erosive velocities of stormwater runoff.	Yes	15.0032	Buncombe	\$412,840	\$412,840	\$206,420	
47	2	Mecklenburg County	Torrence Creek stream restoration of approx. 17,000 linear feet (l.f.) of degraded stream channel and riparian buffer. This includes the establishment of small floodplain wetlands/BMPs. A mix of restoration approaches (Rosgen Priority I, II, and III) restoring pattern (where possible), profile, and dimension will be used for the entire reach along with some relocation.	Yes	11.0311	Mecklenburg	\$3,179,076	\$2,576,000	\$1,288,000	
48	2	Asheville, City of (Trans & Eng)	The proposed project involves constructing a regional stormwater Best Management Practice (BMP) and performing streambank restoration along Dingle Creek. This project includes the construction of an off-line 1-acre riparian stormwater wetland, enhancement of 400 linear feet (l.f.) of Dingle Creek, and stabilization of an additional 400 l.f. of streambank. All channel stabilization and enhancement measures will use natural channel techniques.	Yes	9.0077	Buncombe	\$454,500	\$454,500	\$227,250	
49	2	Fayetteville, City of	Skye Dr. stormwater improvements consisting of underground stormwater detention under student parking areas on the campus of Fayetteville Technical Community College and upgrades the stormdrain pipes that connect the detention basins to the rest of the system. The detention chambers not only provide TSS removal but also slow the rate at which the stormwater is released into Branson Creek.	Yes	7.0232	Cumberland	\$679,640	\$557,000	\$278,500	
50	2	Raleigh, City of	Reuse irrigation system at the Neuse River Wastewater Treatment Plant will deliver reclaimed water to approximately 106 acres of agricultural land at the Neuse River Wastewater Treatment Facility, including: 1) approx. 11,086 linear feet of 12-inch reclaimed water mains; 2) irrigation piping, valving and spray irrigation nozzles for 8 fields; and 3) all appurtenances, irrigation control work and telemetry.	Yes	0.0129	Wake	\$1,541,906	\$1,541,906	\$770,953	

