

**North Carolina Wastewater High Unit Cost (HUC) Grants - October 2014 Application Round**  
**Projects Approved for Funding by State Water Infrastructure Authority on Dec. 11, 2014**

Project No.	Applicant Name	Project Name	Engineering Firm	Project Description	County	Tier	WW HUC Funding Request	WW HUC Grant	Total Project Cost	Points Submitted	Points Verified (Total All Categories)	Project Type	Env. Benefit	System Mgmt.	Financials	Difference in Points Claimed & Verified	Other Considerations/ Staff Notes	
<b>FUNDING SUMMARY</b>							<b>\$29,979,970</b>	<b>\$3,478,101</b>	<b>\$30,783,993</b>									
1	Fremont, Town of	Wastewater System Improvements Lagoon	Municipal Engineering	Repair of leaks in the existing facultative lagoon to stop the resulting un-permitted discharge to nearby surface waters and to comply with SOC	Wayne	2	\$1,083,310	\$1,083,310	\$1,083,310	88.08	88.08	20	25	11	32.08		Other Considerations: Town is unable to pay fines associated with violations and SOC or pay to send flow to Goldsboro for treatment  Staff Notes: Was previously awarded CWSRF loan for project but unable to take on debt	
2	Franklinton, Town of	Wastewater System Rehab Phase II	Municipal Engineering	Rehabilitation or replacement of approximately 5,000 lf of gravity sewer and manholes	Franklin	2	\$1,879,380	\$1,879,380	\$1,907,571	83.32	80.32	25	0	9	46.32	1. SSES does not clearly cover the entire service sewershed.		
3	Clarkton, Town of	Collection System Project	Withers and Ravenel	Rehabilitation of 7,500 lf of 50 year old concrete pipe utilizing cure-in-place pipe	Bladen	1	\$480,600	\$480,600	\$480,600	72.00	70.00	28	0	13	29.00	1. Land use plan does not demonstrate a water-quality basis.		
4	Stantonsburg, Town of	Sanitary Sewer Replacement	Municipal Engineering	Rehabilitation or replacement of 2,260 lf of terra cotta gravity sewer; replacement of existing brick manholes	Wilson	1	\$674,975		\$674,975	80.43	69.43	25	10	7	27.43	1. SSES does not indicate entire sewer shed was evaluated. Its not clear that proposed work was included in previous SSES. 2. No indication that SSOs reached surface water. No direct connection between project and impairment. 3. Project does not benefit special water classification. 4. Provided documentation indicates that existing land use plan is not water quality based.	Other Considerations: Reduction in I/I will allow future growth	
5	Fremont, Town of	Wastewater System Improvements Sewer	Municipal Engineering	Sewer rehabilitation to reduce I/I and the amount of sewage sent to the City of Goldsboro for treatment consisting of the replacement of 3,000 l.f. of 8-inch VCP with new 8-inch PVC or rehabilitation with CIPP and manhole lining or replacement.	Wayne	2	\$611,740		\$611,740	69.08	66.08	25	0	9	32.08	1. Documentation for SSES does not clearly demonstrate the scope of the study, the methodology for determining condition, and mapping from the study was not provided.	Staff Notes: Was previously awarded CWSRF loan for project but unable to take on debt	
6	Elm City, Town of	Replacement of Parker Street Lift Station	AECOM Technical Services	Replacement of existing 150 gpm pump station	Wilson	1	\$229,500		\$229,500	66.58	65.09	25	0	9	31.09	1. Added one point for exceeding state flood hazard prevention ordinance since claimed and document in WWTP application 2. Applicant used incorrect MHI data in financial calculation		
7	Elm City, Town of	WWTP Improvement Project	McGill Associates	Construction of a new 0.24 MGD WWTP and modification of existing lagoons to serve as flow equalization and storage	Wilson	1	\$2,902,000		\$2,945,530	85.09	65.09	15	10	9	31.09	1. No Basinwide points given due to non compliance 2. Added operating ratio points since they were claimed and documented in Parker Street LS application	Other Considerations: Will allow Town to lift a moratorium that has been in place for 16 years	
8	Taylorsville, Town of	2015 Collection System Rehab Project	West Consultants	Rehabilitation or replacement of approximately 18,000 lf of gravity sewer including CCTV and smoke testing a total of 68,000 lf of sewer	Alexander	2	\$1,085,575		\$1,085,575	63.86	60.35	25	0	9	26.35	1. The provided land-use plan does not demonstrate that is water-quality based. 2. Calculated incorrect sewer rates.		
9	Franklinton, Town of	Wastewater System Rehab Phase III	Municipal Engineering	Upgrade of pump station capacity and upsizing of existing force main	Franklin	2	\$543,020		\$551,165	60.32	60.32	5	0	9	46.32			
10	Richmond, County of	Cordova Sewer Rehabilitation	Engineering Services	Replacement of approximately 17,000 lf of gravity sewer and manholes	Richmond	1	\$2,347,315		\$2,347,315	59.85	59.85	25	0	9	25.85			

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11	Ramseur, Town of	Wastewater System Improvements	The Wooten Company	Improvements to the main pump station; replacement of 500 lf of force main; repairs and lining of approximately 1,500 lf of gravity sewer	Randolph	2	\$843,900		\$856,559	63.19	58.02	25	0	8	25.02	1. SSES only covers part of sewershed 2. Application used incorrect MHI data in financial calculation	
12	Clarkton, Town of	Equalization Basin Project	Withers and Ravenel	Conversion of old lagoon to provide additional flow equalization storage to new treatment facility	Bladen	1	\$421,000		\$421,000	28.00	57.00	15	0	13	29.00	1. Financial points were not provided on rating sheet and no total points were provided. 2. Project does not replace the lagoon but repurposes without any substantial rehabilitation. 3. Gave regionalization points since additional information was submitted for collection system project with documentation.	
13	Bay River Metropolitan Sewer Dist.	Oriental Lagoons Rehab & Repair	Stroud Engineering	Restoration and modification of existing lagoon embankments to increase depth to provide sufficient freeboard and to allow for more complete solids separation; installation of a new aeration system to enhance BOD removal	Pamlico	2	\$1,379,500		\$1,379,500	75.92	55.92	20	0	10	25.92	1. No direct benefit to impaired stream 2. No narrative for asset management plan 3. Operating ratio utilizing current financials is less than 1	
14	Taylorsville, Town of	2015 WWTP Rehabilitation Project	West Consultants	Improvements to WWTP clarifiers, blowers, RAS pumps, generator, grinder, screens, office; addition of dewatering facilities	Alexander	2	\$1,500,000		\$1,500,000	58.86	55.35	20	0	9	26.35	1. The provided land-use plan does not demonstrate that is is water-quality based. 2. Calculated incorrect sewer rates.	
15	Yadkin Valley Sewer Authority	2015 WWTP Rehabilitation Project	West Consultants	Replacement of existing chlorine gas with UV; a new secondary clarifier; a new office building; rehabilitation of 2,000 lf of effluent main; a mechanical screen; DO controls; rehabilitation of sludge drying beds; installation of a magnetic flow meter	Yadkin	2	\$2,500,000		\$2,500,000	59.17	55.16	20	0	13	22.16	1. Land use plan only covers part of the service area; gave points for significant steps towards adoption 2. Flood hazard prevention only covers part of the service area	
16	Eden, City of	Junction & Bridge St Pump Station Rehab	WK Dickson	Rehabilitation of existing pump stations including pumps, motors, and electrical to address capacity limitations	Rockingham	1	\$3,000,000		\$3,673,610	109.30	50.30	10	0	16	24.30	1. Project describes improvements to address capacity issues and never clearly indicates rehabilitation will be like for like. 2. Project purpose is to correct noncompliance so not eligible for basinwide points 3. No direct connection between project and turbidity impairment 4. Does not meet regionalization criteria since Town has always owned and operated all systems 5. Narrative does not explain how Flood Hazard prevention plan exceeds state standards	Staff Notes: Project will complete work required under an EPA administrative order and is eligible for grant funding under SL 2014-100 Section 14.17A(2)
17	Louisburg, Town of	WWTP Improvements	Municipal Engineering	Replacement of existing nutrient removal process controls; new SCADA system to control the treatment process	Franklin	2	\$350,000		\$350,000	57.06	49.06	20	0	1	28.06	1. Rate information provided did not include water rates 2. Project is not clearly included in CIP 3. No narrative provided for asset management 4. No narrative for how flood hazard ordinance exceeds state standards	
18	Mount Olive, Town of	Upgrades to Wastewater Spray Irrigation Sys.	AECOM Technical Services	Replacement of three effluent irrigation pumps; replacement of existing drip irrigation system with a spray system including removing tree crop and installing bermuda grass	Wayne	2	\$2,245,000		\$2,245,000	53.00	49.01	15	0	2	32.01	1. Documentation does not demonstrate that measures have been adopted complying with state flood hazard prevention requirements. 2. Application used incorrect MHI data in financial calculation.	
19	Hookerton, Town of	WWTP Improvements	Rivers & Associates	Abandonment of existing WWTP; new pump station and 23,700 lf of force main to send flows to Snow Hill for treatment	Greene	1	\$2,922,200		\$2,922,200	55.22	48.14	20	0	2	26.14	1. OR calculated using LGC 108C data is less than 1. 2. Narrative does not discuss water-quality based measures included in land use plan.	Other Considerations: If existing lagoon berm is left in current condition may result in catastrophic failure and release into Contentnea creek.

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20	Hamlet, City of	Walls Trlr Prk Pump Sta/Force Main Replcmnt	The Wooten Company	Replacement of 4,500 lf of force main; new engine driven standby pump	Richmond	1	\$687,500		\$697,812	74.21	46.17	25	0	0	21.17	1. Errors in rate calculations 2.No impairment points since the noted impairment is for mercury due to atmospheric desposition 3. Work in Richmond County does not directly implement costal habital protection plan 4. Does not own other systems	Other Considerations: Currently experiencing SSOs related to force main failure
21	Eden, City of (**)	Meadow Greens and Covenant Branch PS FM Relief	WK Dickson	Interconnection of force main from two existing pump station to a larger existing force main to convey peak flows and eliminate SSOs	Rockingham	1	\$560,000	\$34,811	\$570,963	109.30	45.30	5	0	16	24.30	1. Project is to increase pump capacity and not a rehabilitation with no increase 2. Project does not replace any existing infrastructure 3. Project purpose is to correct noncompliance so not eligible for basinwide points 4. No direct connection between project an turbidity impairment 5. Does not meet regionalization criteria since Town has always owned and operated all systems 6. Narrative does not explain how Flood Hazard prevention plan exceeds state standards	Staff Notes: Project will complete work required under an EPA administrative order and is eligible for grant funding under SL 2014-100 Section 14.17A(2) In addition to this funding amount, this project also received funding as provided for by Session Law 2014-100 - See (**) below.
22	Dublin, Town of	Hwy 410 Pump Station Replacement Project	Withers and Ravenel	Replacement and expansion of lift station built in 1978	Bladen	1	\$311,000		\$311,000	30.00	33.17	10	0	7	16.17	1. Financial points were not provided on rating sheet and no total points were provided 2. Project expands current capacity and is not considered a replacement project	
23	Ranlo, Town of	West Pump Station Removal Project	Denver Toler	Replacement of existing pump station with approximately 800 lf of gravity sewer to provide additional hydraulic capacity	Gaston	2	\$314,855		\$314,855	26.87	14.87	5	0	-4	13.87	1. No direct connection between project and stated mercury impairment. 2. Provided CIP does not include proposed project.	
<b>INELIGIBLE APPLICATIONS (Not Scored (*))</b>																	
24	Andrews, Town of	WWTP Rehabilitation	McGill Associates	**Ineligible for HUC** Rehabilitation of trickling filter including replacement of filter media and refurbishment of the rotating mechanism and stationary column; improvements to chlorination/dechlorination system; replacement of existng generator	Cherokee	2	\$1,107,600		\$1,124,214	86.73	*	*	*	*	*		Staff Notes: Ineligible based upon information provided on the Water and Sewer Rate form (1.49%); application calculated eligibility using an average of in and out of town rates will eligibility largely being established by out of town water rates which do not apply to the project service area

**(\*\*) Award of Additional \$500,000 Provided for by Session Law 2014-100**

21	Eden, City of	Meadow Greens and Covenant Branch PS FM Relief	WK Dickson	Interconnection of force main from two existing pump station to a larger existing force main to convey peak flows and eliminate SSOs	Rockingham	1	\$560,000	\$500,000	\$570,963	109.30	45.30	5	0	16	24.30	1. Project is to increase pump capacity and not a rehabilitation with no increase 2. Project does not replace any existing infrastructure 3. Project purpose is to correct noncompliance so not eligible for basinwide points 4. No direct connection between project an turbidity impairment 5. Does not meet regionalization criteria since Town has always owned and operated all systems 6. Narrative does not explain how Flood Hazard prevention plan exceeds state standards	(**) Session Law 2014-100 Section 14.17A.(2) provided an additional \$500,000 for projects specifically implementing an EPA Administrative Order in a Tier 1 county. This project for the City of Eden is eligible for funding under the Session Law provision and was approved for funding in the amount of \$500,000 by the State Water Infrastructure Authority on Dec. 11, 2014.
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