Northeast Ohio Regional Sewer District

2024 - 2028 Program Summary as of Feb 29, 2024

Project Name and Location	RFP(1)	Design(2)	Award of Construction	Construction Estimate ($M)
CIP Treatment Plants				
CIP Treatment Plants Easterly				
Easterly Southerly Sludge Pump System (2011-0017)	1st Quarter 2027	2nd Quarter 2027	4th Quarter 2028	$7.4
Miscellaneous mechanical and building improvements to support the sludge pumping system, including a hydraulic capacity evaluation.				
CIP Treatment Plants Westerly				
Westerly Trickling Filter and Solids Contact Tank Aeration Improvements	04-Jan-24 A	20-Jun-24	2nd Quarter 2026	$17.0
This project consists of replacement of the filter media and equipment within the three trickling filters at Westerly WWTC and building and code improvements.				
Westerly Sludge Handling Improvements	07-May-20 A	03-Sep-20 A	21-Nov-24	$15.0
The Westerly Sludge Handling Improvements project will rehabilitate several process improvements at the Westerly Wastewater Treatment Center. Improvements include rehabilitation of the two gravity thickeners, replacement of one sludge storage tank, and replacement of existing solids pumps and associated piping. Additionally, construction of a new truck loadout area will provide the ability to load dewatered solids, liquid solids, and skimmings.				
Westerly Screen, Grit and Blower Improvements	2nd Quarter 2026	4th Quarter 2026	4th Quarter 2027	$9.5
Rehabilitation and replacement of the Westerly WWTC headworks screening, blower and grit equipment and building and code improvements.				
Primary Settling Replacement and Rehabilitation	2nd Quarter 2026	4th Quarter 2026	4th Quarter 2027	$7.6
This project will replace the primary settling tank equipment and rehabilitate the tanks at the Westerly WWTC.				
Skimmings Concentration Rehabiliitation	2nd Quarter 2027	4th Quarter 2027	4th Quarter 2028	$2.5
This project includes rehabilitation work within the Solids Handling Building associated with skimmings removal, collection, concentration and storage.				
CIP Treatment Plants Southerly				
Southerly Solids Handling Improvements	02-Nov-23 A	21-Mar-24	1st Quarter 2025	$5.2
The Southerly Solids Handling Improvements project will make operational, maintenance, and safety improvements throughout the solids handling facilities at Southerly WWTP. Including but not limited to the Grease Unloading Station, Decant & Storage Facility, Sludge Storage Tanks, and Gravity Thickeners.?xml:namespace prefix = "o" ns = "urn:schemas-microsoft-com:office:office" />				
REF PLC Replacement (APM3)	15-Dec-22 A	05-Oct-23 A	3rd Quarter 2026	$12.0
Automation hardware that runs the renewable energy facility are listed as active-mature by the manufacturer and have exceeded their recommended life span.				
Southerly Primary Heat Exchanger Replacement	N/A	N/A	20-Jun-24	$4.7
The removal of one incinerator primary heat exchanger and installation of a new primary heat exchanger that was purchased by the District. The removed heat exchanger will be refurbished and placed into storage for installation in a future contract.				
			CIP Treatment Plants Sub-Program Total:	**$80.9**
CIP Combined Sewer Overflow Control Program (CSO) Control Measures				
Easterly Plants				
Easterly Chemically Enhanced High Rate Treatment Facility	02-Apr-15 A	20-Aug-15 A	1st Quarter 2026	$126.0
The Easterly Chemically Enhanced High Rate Treatment (CEHRT) Facility is Consent Decree Control Measure 2. The Easterly CEHRT project includes preliminary design and then design of the new high rate treatment facility to treat CSO-001 based upon the findings documented in the Pilot Testing Report.				
Easterly CSO Projects				
Easterly Flood Control/Relief Sewer Project	18-Jul-24	21-Nov-24	4th Quarter 2026	$15.3
The Easterly Flood Control/Relief Sewers Project addresses model projected sewer surcharge and potential flooding problems within the Easterly CSO District, and provides system capacity improvements to convey runoff from the 5-year, 6-hour storm.This project includes the construction of replacement or parallel relief sewers to achieve the desired level of service.				
Southerly CSO Projects				

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Kingsbury Run Consolidation Sewer	03-Feb-22 A	16-Jun-22 A	1st Quarter 2025	$95.6
The Kingsbury Run Consolidation Sewer (KRCS) project is part of Control Measure #21 of the District's Consent Decree and will intercept and control wet weather flows from eight CSO regulators tributary to CSO 040 that currently overflow to the Kingsbury Run Culvert, and divert, convey and discharge to the Southerly Storage Tunnel (SOT) at the SOT shaft just west of Garden Valley Avenue, East of E. 65th Street. The Kingsbury Run Consolidation Sewer system consists of numerous underground connection, diversion and gate structures, two branches of 90-inch to 120-inch diameter consolidation sewers and associated smaller sewer connections.				
Southerly Regulators and Relief Sewers	16-Feb-23 A	06-Jul-23 A	3rd Quarter 2025	$10.5
The Southerly Regulators and Relief Sewers (SRRS) project includes regulator modifications or replacements, relief sewers, and replacement sewers, to meet specific CSO control requirements of the District's Consent Decree (Control Measure #21).				
Southerly Tunnel Dewatering Pump Station	16-Mar-23 A	19-Oct-23 A	2nd Quarter 2026	$34.1
The Southerly Tunnel Dewatering Pump Station (STDPS) project is a key element of Control Measure #21 of the District's Consent Decree and includes the construction of a roughly 175 feet deep tunnel pump station that will dewater the Southerly Tunnel system. The 54 MGD pump station is planned to be installed inside of the 65-ft diameter mining shaft at the southern end of the Southerly Tunnel and will lift flows from the tunnel to then be conveyed by gravity to the SWWTP via the southwest interceptor (SWI).				
Big Creek Tunnel (BCT)	16-Nov-23 A	21-Mar-24	4th Quarter 2026	$260.0
The Big Creek Tunnel is the primary part of Control Measure #22 of the District's Consent Decree and includes the construction of 22,400 lf of 20-foot diameter storage tunnel that will provide CSO control to 11 CSOs in a tributary area of 4,700 acres.				
BCSO-2 Bellaire Road/ Peelor Ave. Consolidation Sewer	1st Quarter 2025	3rd Quarter 2025	2nd Quarter 2027	$21.3
The Bellaire Road Consolidation Sewer System will intercept wet weather overflow from an existing regulator near the intersection of Kensington Avenue and Bellaire Road. The Peelor Avenue Consolidation Sewer System will collect wet weather flow from existing regulators, along Peelor and Shamrock Avenues. These consolidation sewers will deliver wet weather flows to the Big Creek Tunnel.				
Big Creek CSO-059 Storage Tank	2nd Quarter 2025	4th Quarter 2025	3rd Quarter 2027	$17.0
The Big Creek CSO 059 Storage tank is part of Control Measure #22 of the District's Consent Decree and includes a 1.5-MG storage tank to be constructed at the intersection of Spring and Jennings Roads. The proposed project includes three regulator modifications and dry weather outlet (DWO) capacity improvements to control Big Creek overflows to three events for the Typical Year.				
BCSO-3 W143th St. Consolidation Sewer	3rd Quarter 2026	4th Quarter 2026	3rd Quarter 2029	$63.4
BCSO-3 W143th St. Consolidation Sewer				
District-Wide Projects				
CIP ROW Services - 5	04-Jul-24	14-Nov-24	N/A	$0.0
General Right of Way Services				
CSO Consent Decree and NPDES Performance Compliance Project Phases 3	3rd Quarter 2025	4th Quarter 2025	N/A	$0.0
The PCP contract provides technical support for the CSO program, CD, NPDES permit, and regulatory support over the next 16 years in phases. The scope of the PCP contract includes: Control Measure post construction monitoring and compliance verification Maintenance of the NEORSD's CSO master models Coordination and QA/QC of project models developed by the various design consultants Model/evaluation needs of the CSO system, CD and/or NPDES permit, as well as any regulatory assistance NPDES permit annual reporting Operational Plan updates				
CIP Combined Sewer Overflow Control Program (CSO) Control Measures Sub-Program Total:				**$643.3**
CIP Building Improvements				
CIP Building Districtwide				
Southerly and Westerly Roof Safety	1st Quarter 2025	3rd Quarter 2025	4th Quarter 2026	$1.5
Address compliant fall prevention for access and maintenance activities on building roof tops at Southerly and Westerly plants.				
Districtwide HVAC Upgrade Phase 4	1st Quarter 2027	3rd Quarter 2027	3rd Quarter 2028	$15.0
Districtwide HVAC Upgrade Phase 4				
Districtwide HVAC Upgrade Phase 3	N/A	N/A	1st Quarter 2025	$8.0

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This project will rehabilitate various HVAC equipment and systems at the District's Easterly WWTP, Southerly WWTP, Westerly WWTP, GJM Administration Building, and EMSC facility. The proposed modifications will provide improvements in multiple areas at each facility to accommodate additional HVAC requirements, replace defective and/or outdated equipment, provide additional equipment for code requirements due to changes in building usage, and provide increased energy efficiency.				
Districtwide Roof Improvements Phase 3	N/A	N/A	1st Quarter 2027	$3.2
District-wide Roof Improvements Phase 3				
CIP Building Easterly				
Easterly Resident Engineer Building and Detritus Equipment Removal	1st Quarter 2027	3rd Quarter 2027	3rd Quarter 2028	$1.0
This project includes the demolition of the Resident Engineer Building and decommissioning of the unused areas of the Detritus Tank process.				
CIP Building Improvements Sub-Program Total:				**$28.7**
CIP Collection Systems (Interceptors - Rehabilitation)				
CIP Collection System Southerly				
Broadway Pump Station Elimination	2nd Quarter 2025	3rd Quarter 2025	3rd Quarter 2026	$2.0
This project includes collection system improvements and decommissioning of the Broadway Pump Station.				
CSO-249 Elimination	N/A	N/A	1st Quarter 2025	$5.0
This project includes the elimination of several District regulators and redirecting of combined sewer flows from the CSO 249 outfall.				
CIP Collection System Systemwide				
CSO Culvert/Outfall Inspection and Repair 1	04-Nov-21 A	21-Apr-22 A	18-Jul-24	$11.0
The CSO/Culvert-Outfall Inspection and Repair-1 (COIR-1) project is a comprehensive condition assessment and rehabilitation project across the District's service area. The project encompasses Combined Sewer Overflow (CSO) culverts and pipes downstream of District CSO regulator structures. The purpose of this project is to assess the condition of existing pipes and identify cost-effective renewal options. Design and construction for renewal will be performed for sewers that have structural defects. Approximately 20,000 linear feet of combined sewer pipes will be inspected to verify condition, and then full design and construction of pipe rehabilitation and/or replacement will be performed. Approximately 34,000 linear feet of Member Community Stormwater Outlet pipes (SWOs) downstream of NEORSD CSO regulators will be inspected to gather and assess their condition for future potential rehabilitation needs. The District will integrate the inspection findings into our overall asset management planning to inform future prioritization and renewal efforts.				
Odor Control Facility Upgrades	1st Quarter 2025	2nd Quarter 2025	2nd Quarter 2026	$2.5
Evaluation of facilities and reconfiguration and replacement of filter media at 7 locations in the collection system.				
CSO Culvert/Outfall Inspection and Repair 2	1st Quarter 2025	2nd Quarter 2025	2nd Quarter 2027	$11.0
Inspection, evaluation, design and construction of CSO culverted streams and outfalls. This is the second of seven projects.				
Collection System Asset Renewal-3	1st Quarter 2026	2nd Quarter 2026	2nd Quarter 2028	$5.5
The CSAR projects will effectively prioritize repairs from a menu of sewer segments and structures. The menu was developed based on asset management repair and renewal tool output. The CSAR-3 designers will review the list of choices and help us determine the most needed repairs as well as the right project packaging for the future CSAR contracts.				
Kingsbury Asset Renewal	20-Oct-22 A	20-Apr-23 A	4th Quarter 2025	$12.0
The Kingsbury Asset Renewal (KAR) projects will include inspection, condition assessment and structural repair/renewal of sewer assets in the Kingsbury Run sewershed. The KAR designers will perform condition assessment using NASSCO certified coding system and provide rehabilitation recommendations and planning level costs for up to 60,000-LF of sewers, and provide full design of structural rehabilitation and repairs for approximately 14,000-LF of those sewers. The KAR designers will also prioritize and make recommendations for the most needed repairs as well as the right project construction bid packaging for the KAR contracts.				
CSO Culvert/Outfall Inspection and Repair 3	3rd Quarter 2027	4th Quarter 2027	4th Quarter 2029	$11.0
The CSAR projects will effectively prioritize repairs from a menu of sewer segments and structures. The menu was developed based on asset management repair and renewal tool output. The CSAR-2 designers will review the list of choices and help us determine the most needed repairs as well as the right project packaging for the future CSAR contracts.				
Collection System Asset Renewal-4	3rd Quarter 2028	4th Quarter 2028	4th Quarter 2030	$5.5

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The CSAR projects will effectively prioritize repairs from a menu of sewer segments and structures. The menu was developed based on asset management repair and renewal tool output. The CSAR-2 designers will review the list of choices and help us determine the most needed repairs as well as the right project packaging for the future CSAR contracts.				
Kingsbury Branch A Repair	N/A	N/A	06-Jun-24	$5.7
The Kingsbury Branch A Rehabilitation Project will rehabilitate Culvert Segment CSO040E0000 - CSO040A0015 in advance of the Kingsbury Asset Renewal project because of significant damage incurred by this culvert segment as a result of extensive earth fill placed above it. In its current significantly damaged condition, Culvert Segment CSO040E0000 - CSO040A0015 is in danger of collapse. Rehabilitation will consist of an internal lining of the culvert's walls and roof over a 350 foot long section.				
CIP Collection Systems (Interceptors - Rehabilitation) Sub-Program Total:				**$71.2**
CIP Program Total:				**$824.1**