

5-Year Cap Imp Plan

OTTAWA COUNTY SANITARY ENGINEERING DEPARTMENT

5-Aug-20

PRIORITY/ STATUS	NAME OF PROJECT	REPAIR/ REPLACEMENT OR NEW		CONSTRUCTION		DESCRIPTION OF PROJECT	STATUS OF PROJECT
			ESTIMATED TOTAL COST	TARGET YEAR			
Tier 1.1 Warranty Period	Ottawa County Regional Water - Elevated Tank Rehabilitation Project	Repair	\$ 1,167,419	2017 - 2019	Install TTHM improvement (mixers) in the Danbury; Rehab & Paint the Catawba Island & Harris Township water towers; blast to bare metal and paint the Danbury Tower & replace altitude valve at each tower	Planning/Design - 2014/2015 Phased Construction - Completed Danbury TTHM Improvement in 2015; PCI & Harris Rehab & Paint - Completed in 2018; Danbury Sandblasting & Painting Completed - 2019 Warranty Repair Work Tentatively Scheduled - 9/2020	
Tier 1.2 Warranty Period	Regional Water Treatment Plant Clarifier Mechanism Recoating	Repair/Replace	\$ 481,071	2018-2019	Sandblast and repaint clarifiers #1, 2 & 3 mechanism components	Construction Completed - 2019 Warranty Repair Work Tentatively Scheduled - 10/2020	
Tier 1.3 Construction	Danbury Township WWTS, Wastewater Pollutant & Nutrient Minimization Improvement Project	Replace/Rehab	\$ 1,618,706	2018 -2020	Replace influent chamber, rehab lagoon blower system, replace Actiflo turbidity & pH meter, and various imp. to PS#'s 1,2,3,4,6,7,8,9;JI1; GPS's 1,2, 4,5,7,8,9,10,11;GPS @ WWTP, CIPP lining of 584 lf of 21" RCP, 215 lf of 15" RCP, rehab of hammer taps within the Interceptor, Installation of inside drops & chemical grouting of service connections with manholes	Planning - Completed in 2016 Design - Completed in 2017 Construction - WWTP Imp & Sewer Lining Work Completed in 2018; Pump Station Rehabilitation Construction Completed - 2020	
Tier 1.4 Design/ Bidding	Moore's Dock Road Sanitary Sewer Rehabilitation Project	Replace	\$ 390,037	2020 - 2021	Cure in place 1,725 LF of 8" sanitary sewer & laterals complete with manholes & 26 service connections serving the CIC Condos on Moore's Dock Road	Planning - 2018 Additional Report & Design - 2019/2020 Construction - 2020/2021	
Tier 1.5 Design	Danbury Twp. Phase II Pump Station Improvements	Replace/Rehab	\$ 1,615,575	2021/2022	Various pump station improvements including cathodic protection, dry well coating, bypass pump piping, wet well lining and bypass pumping for PS's 1-10 and JI 1 & 2	Design - 2020 Construction - 2021/2022	
Tier 1.6 Design	Portage-Catawba Island - Phase II Pump Station Improvements	Replace/Rehab	\$ 484,111	2021/2022	Various pump station improvements including bypass piping outlet, swing arm check valves, replacement valve chamber & piping, and access doors for 34 pump stations per the plan schedule.	Design - 2020 Construction - 2021/2022	
Tier 1.7 Design/ Financing	OCRWTP - Filter Bed Rehabilitation and Media Replacement Project	Replace/Rehab	\$ 273,530	2021/2022	Rehab/Replace filter nozzles and media in filters 1 - 4 at the Regional Regional Water Treatment Plant	Design - 2020 Construction - 2021/2022	
Tier 1.8 Planning	RWTP and Interconnector Cathodic Protection	Repair	\$ 105,000	2022/2023	Install additional cathodic protection on RWTP mains and interconnector based upon CORRPRO follow up investigation	Planning - 2016 Construction - 2021	

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Tier 1.9 Planning	Water Distribution Flow Monitoring	New	\$ 220,500	2023/2024	Install water distribution flow monitoring equipment in 6 locations	Preliminary Planning
Tier 1.10 Planning/ Financing	Allen/Jerusalem Twp. Sanitary Sewer System	New	\$ 19,784,988	2024/2025	Sanitary sewer extension to serve the Curtice/Williston area * Highest Priority Unsewered Area Project in Ottawa County	Planning - 2018/2019 Design/Financing - PROJECT ON HOLD . . . until Ohio EPA Water Quality Modeling and Ottawa & Lucas County Health Department Sanitary Surveys are completed - Estimated Survey & Modeling Completion date - 2022 Corrective Action Solution - Subject to change.

Total Value of Tier 1.1 through 1.10 Infrastructure = \$ 26,140,937 (5-Years)

Tier II - Long Range Capital Improvement Plan Projects

Tier 2.1 Planning	OCRWTP - Filter Bed Rehabilitation and Media Replacement Project	Replace/Rehab	\$ 325,000	2026	Rehab/Replace filter nozzles and media in filters 5 - 8 at the Regional Regional Water Treatment Plant	Design - 2020 Construction - 2026
Tier 2.2 Planning	Regional Water Distribution Secondary Feed Loop to Catawba and Danbury Townships	New	\$ 1,488,483	2026/2027	Installation of 10,890 LF of 12" diameter PVC water main to serve as a secondary feed line to Catawba Island and Danbury Townships starting at the Perry Street PRV and ending at the Sand Rd/ SR #163	Planning - 2019 Design - 2021
Tier 2.3 Planning	Danbury Twp. WWTS Improvements	Replace/Rehab	\$ 504,000	2027	Replace lagoon system blowers, install intake screen & P.S.improvements	Planning
Tier 2.4 Planning	PCI Future WWTP Improvements	Replace/Upgrade	\$ 1,841,750	2027	Septage bldg., odor control, sludge press, and blower improvements	Planning/Discussion
Tier 2.5 Planning	PCI - St. Rt. #163 San Sewer Ext. from Christy Chapel to Croghan Colonial Bank	New	\$ 1,050,000	2028	Construction of 5,850 LF of gravity sanitary sewers in the unsewered area of St. Rt. #163	Preliminary Discussion - Ongoing
Tier 2.6 Preliminary Discussion	Ottawa County Sanitary Engineering - Administrative Operations Facility	Replace/Upgrade	\$ 1,008,000	2027	Construct a +/- 7,000 sq. ft. administration building/garage at the OCRWTP site to house office/administrative department personnel	Preliminary Discussion - Ongoing

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Tier 2.7 Preliminary Discussion	Nugent's Canal Wastewater System	New	To be determined	2027	Install New WWTS to serve Nugent's Canal	Preliminary Discussion	
Tier 2.8 Design/ Financing	Phase 5, Allen/Clay Township Sanitary Sewer Improvement Project	New	\$ 2,388,750	2028	Installation of new sanitary sewers throughout a portion of the unsewered area of Section 20 within Clay Township	General Plan Completed - 9/94 Design Completed - 4/97 Construction - Dependent upon financing	
Tier 2.9 Planning	Phase 6, Allen/Clay Township Sanitary Sewer Project	New	\$ 2,754,640	2029 (Final Phase)	Phased installation of the Allen/Clay Township Sewer System serving areas adjacent to the Village of Genoa	General Plan Completed - 9/94 Preliminary Design Completed - 4/97 Construction - Dependent upon financing	
Tier 2.10 Planning	Erie Township Sanitary Sewer Ext - Remaining Phases	New	\$ 3,847,156	2029-20??	Installation of new sanitary sewers, pumps stations, grinder pumps and replacement sewers to serve the remaining areas of Erie Township identified in the 2014 Master Plan	Will be completed in phases as prioritized by the Ottawa County Health Department or development	
Tier 2.11	SR #163/53 San Sew Corridor Analysis	Replace/Upgrade	To be determined	2029	Analyze San Sew collection options to service the SR #163/53 area	Preliminary Discussion	
Tier 2.12	South Bass Island Sanitary Sewers	New	To be determined	2029	Sanitary sewer installation throughout Township Areas	Preliminary Listing	
Tier 2.13	S Portage Sanitary Sewer Project	New	To be determined	2029	Sanitary sewer installation to southern Portage Twp.	Preliminary Listing	
Tier 2.14	Rocky Ridge Sewer Project	New	To be determined	2030	Public wastewater service to Rocky Ridge	Preliminary Listing	

Total Value of Tier 2.1 through 2.14 Infrastructure = \$ 14,882,779 (6-10Years)

Additional Projects Discussed/Listed/Requested by the General Public

Tier 3.1	SD#7 Water Main Replacement	Replacement	\$ 2,163,000	2031	Replacement of 20,250 LF of CI water mains installed in 1962	Preliminary Listing
Tier 3.2	Dby Twp. - SR #163 San Sew Ext	New	\$ 967,638	2032	Construction of sanitary sewers in unsewered area of SR #163	Design Completed - 12/05
Tier 3.3	Salem Twp., Behlman Rd Sewer Ext	New	\$ 4,000,050	2032	Install gravity sewers on Behlman Rd, North of SR# 163	Preliminary Listing
Tier 3.4	Regional Water Intake Extension	Upgrade	\$ 3,360,000	2033	Extend raw water intake further into Lake Erie	Preliminary Listing
Tier 3.5	Phase III, Church Road Sewer	New	\$ 105,525	2035	Install balance of gravity and pressure sewer system	Design Completed - 4/94, project on hold
Tier 3.6	Curtice Water Main Project	New	To be determined	To be determined	Installation of water mains throughout Curtice	Preliminary Listing
Tier 3.7	Memorial Shoreway Sewer Extension	New	To be determined	To be determined	Sanitary sewer extension to serve Memorial Shoreway (Johnsons Island)	Preliminary Listing - 12/3/18

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Tier 3.8	SR#163 Sewer Extension	New	To be determined	To be determined		Sanitary sewer extension to serve properties west of Lightner Road	Preliminary Listing - 12/3/18
Tier 3.9	Lightner Road Sewer Extension	New	To be determined	To be determined		Sanitary sewer extension to serve African Lion Safari	Preliminary Listing - 12/3/18
Tier 3.10	Port Clinton Eastern Road Sewer Ext	New	To be determined	To be determined		Extension serving from Bayshore Rd to Church Rd (parts or whole)	Preliminary Listing - 12/3/18
Tier 3.11	Gill Road Sewer Extension	New	To be determined	To be determined		Sanitary sewer extension to serve properties Gill Road properties	Preliminary Listing - 12/3/18
Tier 3.12	PS #450 PCI Expansion/Upgrade	Replace/Upgrade	To be determined	To be determined		Upgrade pump station to serve future development	Preliminary Listing - 12/3/18
Tier 3.13	PCI - Grinder Pump Replacement	New	To be determined	To be determined		Grinder pump replacement project	Preliminary Listing - 12/3/18
Tier 3.14	SR# 2 Water Main Extension	New	\$ 637,245	To be determined		5,950' Extension of a 12" water main on State Route 2	Preliminary Listing
Tier 3.15	Tettau Road Water Extension	New	\$ 399,000	To be determined		3,800' Extension of an 8" water main on Tettau Road	Preliminary Listing
Tier 3.16	Elmwood Park Water Main Extension	New	To be determined	To be determined		Installation of water mains throughout Elmwood Park Subd.	Preliminary Listing
Tier 3.17	Ascher Beach Water Main Extension	New	To be determined	To be determined		Installation of water mains throughout Ascher Beach	Preliminary Listing

Date: August 5, 2020