

5-Year Cap Imp Plan

OTTAWA COUNTY SANITARY ENGINEERING DEPARTMENT

Date: December 21, 2018

PRIORITY/ STATUS	NAME OF PROJECT	REPAIR/ REPLACEMENT OR NEW	ESTIMATED TOTAL COST	CONSTRUCTION TARGET YEAR	DESCRIPTION OF PROJECT	STATUS OF PROJECT
Tier 1.1 Construction	PCI WWTP & Collection System Improvements (Phase I)	Replace/Rehab	\$ 2,739,223	2018	Replace mechanical screen, aerated grit removal system, valves on the WAS force main @ each digester tank, install new telescopic valve on each of the 3 digesters, rehab chlorine contact tank, add new dissolved oxygen probe within each reactor tank and various other improvements to the WWTP; in addition, various improvements to PS#'s 30,40,50,70, 90,110, 115,120,130,132,135,145,150, 170,180,190,200,210,220,230,240,250,260,270,280,285,290,320, 330,340,350,360,380,390,400,405,410,420,435,437,438,440,442, 450,500, 510 and the RWPS.	Planning - Completed in 2016 Design - Completed in 2017 Construction - 2018
Tier 1.2 Construction	Erie Township Sanitary Sewer, Phase I (Alternative 3-A) Serving the Asher Beach Area	New	\$ 1,573,847	2018	Installation of 5,179' of gravity sanitary sewers and a pump station to serve Lakeshore Drive and the Ascher Beach area in Eastern Erie Township	Preliminary Planning - Completed in 2013 Design - Completed in 2016 Easements/Financing - Completed in 2017 Construction - 2018
Tier 1.3 Construction	Ottawa County Regional Water - Elevated Tank Rehabilitation Project	Repair	\$ 1,355,745	2017 - 2019	Rehab & Paint the Catawba Island, Danbury & Harris Township water towers; install TTHM improvement (mixers) in the Danbury Tower; and replace altitude valve at each tower.	Planning/Design - 2014/2015 Phased Construction - Completed Danbury TTHM Improvement in 2015; PCI & Harris Rehab & Paint - Completed 2018; Danbury Sandblast & Paint - 2019
Tier 1.4 Construction	Danbury Township WWTS, Wastewater Pollutant & Nutrient Minimization Improvement Project	Replace/Rehab	\$ 1,531,829	2018 -2019	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;J11; 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 - 2018; Pump Station Rehab - 2019
Tier 1.5 Construction	Regional Water Treatment Plant Clarifier Mechanism Recoating	Repair/Replace	\$ 553,000	2018-2019	Sandblast and Repaint Clarifiers #1, 2 & 3 Mechanism Components	Construction: 2018 to 2019
Tier 1.6 Construction	State Road Sanitary Sewer Subsidence Emergency Repair Project	Repair/Replace	\$ 316,575	2018-2019	Install a new pump station, 470' of 3-inch force main, laterals and a manhole to replace a collapsed sanitary sewer.	Construction: 2018 to 2019
Tier 1.7 Planning	RWTP and Interconnector Cathodic Protection	Repair	\$ 100,000	2019	Install additional cathodic protection on RWTP mains and interconnector based upon CORRPRO follow up investigation	Planning - 2016 Construction - 2019
Tier 1.8 Planning	Regional Water - Raw Water Pump Station Improvements	Replace	\$ 125,000	2019	Replace Raw Water Pump Number #3 with a 200 HP pump (when necessary)	Planning

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Tier 1.9 Planning	Moores Dock Road Sanitary Sewer Replacement Project	Replace	\$ 213,416	2020	Cure in place 1,725 LF of 8" sanitary sewer complete with manholes & 26 service connections serving the CIC Condos on Moores Dock Rd	Planning - 2018 Design - 2019 Construction - 2020
Tier 1.10	Danbury Twp. Phase II Collection System Improvements	Replace/Rehab	\$ 608,400	2021	Various pump station improvements including cathodic protection, dry well coating, bypass pump piping, wet well lining and by pass pumping for PS's 1-10 and JI 1 & 2	Planning
Tier 1.11	PCI Phase II Collection System System Improvements	Replace/Rehab	\$ 386,100	2021	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.	Planning
Tier 1.12 Planning	Regional Water Distribution Secondary Feed Loop to Catawba and Danbury Townships	New	\$ 1,417,603	2021	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/ SR #163 intersection.	Planning - 2018 Design - 2019 Construction - 2021
Tier 1.13 Preliminary Discussion	Ottawa County Sanitary Engineering - Administrative Operations Facility	Replace/Upgrade	\$ 960,000	2021	Construct a +/- 7,000 sq. ft. administration building/garage at the OCRWTP site to house office/administrative department personnel.	Preliminary Planning - 2018 Design/Financing 2019 Construction - 2020 to 2021
Tier 1.14 Planning	Water Distribution Flow Monitoring	New	\$ 210,000	2021	Install water distribution flow monitoring equipment in 6 locations	Preliminary Planning
Tier 1.15	Allen/Jerusalem Twp. Sanitary Sewer Extension to Oregon	New	\$ 13,485,000	2025	Sanitary sewer extension to serve the Curtice/Williston area	Planning
Tier 1.16 Design/ Financing	Phase 5, Allen/Clay Township Sanitary Sewer Improvement Project	New	\$ 2,275,000	2026	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 1.17 Planning	Phase 6, Allen/Clay Township Sanitary Sewer Project	New	\$ 2,623,467	2024 (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 1.18 Planning	Erie Township Sanitary Sewer Ext - Remaining Phases	New	\$ 3,663,959	2026-2031	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	Planning Will be completed in phases as prioritized by the Ottawa County Health Department or development
Tier 1.19 Planning	PCI - St. Rt. #163 San Sewer ext from Christy Chapel to Croghan Colonial Bank	New	\$ 1,000,000	2026	Construction of 5,850 LF of gravity sanitary sewers in the unsewered area of St. Rt. #163.	Preliminary Discussion

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Tier 1.20	Nugent's Canal Wastewater System	New	?	2026		Install New WWTS to Serve Nugent's Canal	Preliminary Listing
Total Value of Tier 1.1 through 1.20 Infrastructure =			\$ 35,138,164				

Tier II - Capital Improvement Plan Projects

Tier 2.1	Danbury Twp. WWTS Improvements	Replace/Rehab	\$ 504,000	2026		Replace Lagoon System Blowers, Install Intake Screen & P.S. Imp.	Planning
Tier 2.2	PCI Future WWTP Improvements	Replace/Upgrade	\$ 841,750	2026		Septage Bldg., Odor Control, and Blower Improvements	Planning
Tier 2.3	South Bass Island Sanitary Sewers	New	?	2028		Sanitary Sewer installation throughout Township Areas	Preliminary Listing
Tier 2.4	S Portage San. Sewer Project	New	?	2029		Sanitary sewer installation to southern Portage Twp.	Preliminary Listing
Tier 2.5	Rocky Ridge Sewer Project	New	?	2029		Public wastewater service to Rocky Ridge	Preliminary Listing
Tier 2.6	SD#7 Water Main Replacement	Replacement	\$ 2,060,000	2029		Replacement of 20,250 LF of CI water mains installed in 1962	Preliminary Listing
Tier 2.7	Danb. Twp. - SR #163 San Sew Ext	New	\$ 921,560	2030		Construction of sanitary sewers in unsewered area of SR #163	Design Completed - 12/05
Tier 2.8	Salem Twp., Behlman Rd Sewer Ext	New	\$ 381,000	2030		Install gravity sewers on Behlman Rd, North of SR# 163	Preliminary Listing
Tier 2.9	Regional Water Intake Extension	Upgrade	\$ 3,200,000	2030		Extend raw water intake further into Lake Erie	Preliminary Listing
Tier 2.10	Phase III, Church Road Sewer	New	\$ 100,500	?		Install balance of gravity and pressure sewer system	Design Completed - 4/94, project on hold
Tier 2.11	Curtice Water Main Project	New	?	?		Installation of water mains throughout Curtice	Preliminary Listing
Tier 2.12	Memorial Shoreway Sewer Extension	New	?	?		Sanitary sewer extension to serve Memorial Shoreway (Johnsons Isld)	Preliminary Listing - 12/3/18
Tier 2.13	SR#163 Sewer Extention	New	?	?		Sanitary sewer extension to serve properties west of Lightner Road	Preliminary Listing - 12/3/18
Tier 2.14	Lightner Road Serwer Extension	New	?	?		Sanitary sewer extension to serve African Lion Safari	Preliminary Listing - 12/3/18
Tier 2.15	Port Clinton Eastern Road Sewer Ext	New	?	?		Extension serving from Bay Shore Rd to Church Rd (parts or whole)	Preliminary Listing - 12/3/18
Tier 2.16	Gill Road Sewer Extension	New	?	?		Sanitary sewer extension to serve properties Gill Road properties	Preliminary Listing - 12/3/18
Tier 2.17	PS #450 PCI expansion/upgrade	Replace/Upgrade	?	?		Upgrade Pump Station to serve Future Development	Preliminary Listing - 12/3/18
Tier 2.18	PCI - Grinder Pump Replacement	New	?	?		Grinder Pump Replacement Project	Preliminary Listing - 12/3/18

Additional Projects Requested by the General Public

Tier 3.1	Portage View Estates Water Main	New	\$ 330,000	?		3,300' Extension of an 8" water main in Portage View Estates	Village of Oak Harbor to extend services?
Tier 3.2	SR# 2 Water Main Extension	New	\$ 606,900	?		5,950' Extension of a 12" water main on State Route 2	Preliminary Listing
Tier 3.3	Tettau Road Water Extension	New	\$ 380,000	?		3,800' Extension of an 8" water main on Tettau Road	Preliminary Listing
Tier 3.4	Elmwood Park Water Main Ext.	New	To be determined	?		Installation of water mains throughout Elmwood Park Subd.	Preliminary Listing
Tier 3.5	Ascher Beach Water Extension	New	To be determined	?		Installation of water mains throughout Ascher Beach	Preliminary Listing