

New York Chesapeake Bay Restore Clean Water Action Items: 2024-2025 Interim Programmatic and Numeric Milestones

Target Date	Milestone (WIP page reference) ¹	Deliverable	Lead Agency	Status	Comments/Status Updates								
Agricultural Sector													
12/31/2025	NYS funding for agricultural technical assistance through the Agricultural Environmental Management (AEM) Program (P.65)	<p>Implement two years of the AEM Base Program, supporting technical assistance and BMP system implementation by Soil & Water Conservation Districts through the AEM Tiers:</p> <p>Tier 1: Resource Inventory Tier 2: Environmental Assessment Tier 3: Conservation Planning Tier 4: BMP System Implementation Tier 5: Evaluation of Implemented Practices or Plan Update</p> <p>This program is funded through New York’s Environmental Protection Fund (EPF). During the last milestone period, the AEM Base Program provided funding for approximately \$3.2 million worth of technical assistance and \$1.6 million worth of cost-share for BMP system implementation for Soil and Water Conservation Districts with substantial area in the watershed.</p>	NYS Department of Agriculture and Markets (NYS AGM)/NYS Soil and Water Conservation Committee (NYS SWCC)	Ongoing	<p>2024 Update: This milestone report summarizes work through the AEM Tiers completed by SWCDs in the USC area using funding from AEM Base Program Round 18 (2024-2025). Except when specifically noted, all data represent accomplishments within the Chesapeake Bay Watershed HUC12s. This work is in addition to accomplishments documented in prior milestone reports.</p> <table border="1"> <thead> <tr> <th>AEM Base Program</th> <th>Round (2024-2025)</th> </tr> </thead> <tbody> <tr> <td>Districts Substantial Area in the Chesapeake Watershed</td> <td>17</td> </tr> <tr> <td>Total Technical Assistance Funding Awarded for Work through AEM Tiers 1-5</td> <td>\$3.7M</td> </tr> <tr> <td>Total Cost-Share Funding to Implement Tier 4 BMP Systems on Farms</td> <td>\$3.2M</td> </tr> </tbody> </table> <p>*includes AEM Base Tech dollars provided for entire county, not solely those HUC12s in the Chesapeake Bay Watershed.</p>	AEM Base Program	Round (2024-2025)	Districts Substantial Area in the Chesapeake Watershed	17	Total Technical Assistance Funding Awarded for Work through AEM Tiers 1-5	\$3.7M	Total Cost-Share Funding to Implement Tier 4 BMP Systems on Farms	\$3.2M
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Total Cost-Share Funding to Implement Tier 4 BMP Systems on Farms	\$3.2M												

¹ As part of the adaptive management process for achieving water quality goals, jurisdictions may submit programmatic milestones that modify, are in place of, or are in addition to milestones listed in their Phase I WIPs so long as the jurisdiction can demonstrate that they will be as effective toward meeting water quality goals.

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12/31/2025	NYS funding for agricultural practice implementation through the Agricultural Nonpoint Source Abatement and Control Program (AgNPS) (P.66)	Implement two rounds of the NYS Agricultural Nonpoint Source Abatement and Control Program (AgNPS). This program is funded through New York’s Environmental Protection Fund (EPF). \$25 million of statewide funding is available for AgNPS Round 30. Installation of BMPs implemented in the watershed through this program will be reported on an annual basis.	NYS AGM/ NYS SWCC	Ongoing	<p>2024 Update: Round 30 of the AgNPS Program offers a record \$30 million in state funding practices to further reduce nitrogen, phosphorus, and sediment loads from farms while providing other environmental and societal co-benefits. The request for proposals was released in November 2024, applications are due in February 2025, and awards will be announced later in 2025.</p>
12/31/2025	NYS funding for agricultural practice implementation through the Climate Resilient Farming Program (P.67)	Implement two rounds of the program. Program funds are available for projects that mitigate the impact of agriculture on climate change and enhance the on-farm adaptation and resiliency to projected climate conditions. This program is funded through New York’s Environmental Protection Fund (EPF). During the last milestone period, \$1.9 million was awarded to implement BMPs on 11 farms in the watershed. BMPs implemented in the watershed through this program will be reported on an annual basis.	NYS AGM/ NYS SWCC	Ongoing	<p>2024 Update: Round 8 of the Climate Resilient Farming Program was awarded in September 2024, including the following BMPs in the Chesapeake Watershed:</p> <ul style="list-style-type: none"> • Irrigation Water Management System (2 systems) • Erosion Control System - Structural (1 system) • Stream Corridor and Shoreline Management System (1 system) • Nutrient Management System - Cultural (1 system) • Forestry/Agroforestry System (2 systems) • Soil Health System (18 systems) <p>Not including farmer cost share, over \$1.1 million was awarded for projects on 22 farms in the Chesapeake Watershed. Round 9 of the CRF Program is expected to be released in winter 2024.</p>

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8/31/2025	Cover Crop Implementation Program (P.70)	DEC consolidated the previous cover crop contract with the USC's Capacity Contract under objective Project Planning, Implementation, and Verification to extend cover crop funding through 2024. NY's WIP goal for 2025 is to plant 19,983 cover crops. During the final 5 th year of the previous cover crop contract, 15,287 acres of cover crops were implemented in the watershed.	Upper Susquehanna Coalition (USC)	Complete	2024 Update: In 2024, the USC contracted 3,568 new acres of cover crops and 15,765 continued acres. Acres Implemented through funding programs during the Fall 2024 Cover Crop Season was 4,652 NEW acres, and 13,912 Continued acres, totaling 18,564 acres implemented. These acres will be reflected in the 2025 Progress years model reporting.
12/31/2025	BMP data collection and reporting (P.62)	Collect agriculture BMP data following the Agricultural Environmental Management approach and using USC's online data management system to collect farm BMP data and convert to NEIEN-compliant format for the 2024 and 2025 Progress Runs. BMP data collection is supported by Chesapeake Bay Implementation Grant Funding (CBIG). There will be two collection and reporting timeframes 7/1/2023-6/30/2024 and 7/1/2024-6/30/2025.	USC	Ongoing	2024 Update: 2024 Agricultural BMP data was collected member SWCD's and input into the USC's AEM Online Tool for submission to the Chesapeake Bay Model via the NEIEN Node. 2024 Progress data was submitted via the NEIEN on September 27 th , September 30 th and on November 7 th ahead of the December 1 st , 2024 deadline. There were no NEIEN errors found during any of the submissions. Additional 2024 Progress Submissions were completed on December 6 th and December 19 th . BMP Verification Lists and Contracts were sent out on 12/16 to all counties for the 2025 Progress Year (7/1/2024 – 6/30/2025). All data will be due on June 30 th , 2025 for the start of QA/QC.
12/31/2025	Increase capacity of Reporting/Verification program, Enhanced BMP reporting (P.79-80) through the development of mobile application for	Using 2020 WIP assistance funds, the USC will oversee the development of a mobile "app" that will be used on a farm-by-farm basis either by the landowner or with assistance from their Soil and Water	USC, NYS DEC	Ongoing	2024 Update: The USC continues to work on development of a Record Keeping Application that will assist both the farm and the counties in implementation and reporting. The USC Ag Coordinator is currently working with University of Vermont on their Go Crop App. The USC Watershed Coordinator and Ag Coordinator met with UVM multiple times during the milestone

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	annual practice reporting and verification	Conservation District to assist with reporting annual agricultural practices including Cover Crops, Tillage Practices, Precision Feed Management, Manure Incorporation, and Nutrient Management. The USC will be working with University of Vermont to implement their “Go Crop Tool”.			period and are awaiting estimates for the application. Estimates for product development were received and discussions are continuing regarding upkeep costs and annual user fees.
12/31/2025	Increase capacity for agricultural BMP verification (P.79-80)	Implement and refine verification procedures for agricultural BMPs in the Chesapeake Bay watershed. Any updates to verification procedures will be reflected in New York’s Nonpoint Source QAPP on an annual basis as needed. Continue to evaluate program to be sure that all BMP’s are verified through “Whole Farm Verification” prior to the end of their lifespan. BMP verification is supported by Chesapeake Bay Implementation Grant Funding (CBIG). Discovered legacy BMPs should be reported if implementation, maintenance, and inspection years are accurate or estimated to the best of the data source’s ability. Discovered legacy BMPs should be reported if implementation, maintenance, and inspection years are accurate or estimated to the best of the	USC, NYS DEC	Ongoing	2024 Update: The random sampling selection was completed for 2024 with 144 farm sites verified. Additionally, 14 stream sites, 11 wetlands, and four urban buffers were verified. USC Staff and member Counties completed all the assigned verification workload and reported it by the 6/30/24 deadline. The random sampling selection was completed for 2025 with 145 farms sites selected for Whole Farm Verification, 14 Stream Sites, 12 Wetland Sites, and 7 Urban Buffer Sites to be completed for 2025 Progress Year. BMP Verifications Contracts and Lists were sent to counties on 12/16/2024 with data due by 6/30/2025.

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		data source’s ability. Each year, the USC contracts with the SWCD’s support staff time associated with Whole Farm Verification, Annual Practice Data Collection and Practice Reporting. Data Reporting is due by June 30th each year. QAQC is performed on all data from July through November, and all Data is submitted to the NEIEN by the December 1 deadline.			
12/31/2025	CAFO BMP data collection program (P.33)	Continue BMP data collection program for CAFO farms by combining NYSDEC compliance inspections with SWCD data collection and verification visits. Data collected will include both cost-shared and non-cost-shared BMPs to the extent possible to generate a complete record of implementation on CAFO farms. The CAFO BMP data collection program is supported by Chesapeake Bay Implementation Grant Funding (CBIG).	NYS DEC, USC	Ongoing	2024 Update: USC member counties participated in 10 CAFO inspections in the watershed during 2024. USC Staff document practice implementation on these farms and information is reported into the USC database, as outlined in the QAPP. During this year, no issues were reported. Additional CAFO visits also occur throughout the watershed annually without coinciding with a NYSDEC compliance inspection.
12/31/2025	Agricultural Environmental Management (AEM) Outreach and Education (P.34)	Deliver outreach programs for farmers and agricultural professionals in the watershed about agricultural environmental management, including Cornell Cooperative Extension, Soil & Water Conservation District, NYS AGM, and NRCS workshops as	USC, NYS AGM, Cornell University, NRCS	Ongoing	2024 Update: The USC coordinated and planned another series of Watershed Wednesdays in October and November with the assistance of OCCA and Choose Clean Water Coalition. All USC teams developed content and participated in outreach events held throughout the watershed geared towards ag

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		well as two years of multi-day trainings, including: Conservation Skills Workshop, Certified Crop Advisor (CCA) Training, and Water Quality Symposium.			producers and interested landowners. The USC also completed four quarterly newsletters with project and program opportunities as well as numerous Facebook posts and website updates.
12/31/2023	Pursue additional funding sources for agricultural implementation (P.85-86)	USC coordinator(s) and team leader(s) along with SWCD will review and submit grant applications to appropriate funding sources to further the USC mission in our focus areas, implementation efforts for the CB program and staff support. Funding opportunities may include but not limited to NFWF, RCPP, and state funding sources.	USC, NYS DEC	Ongoing	<p>2024 Update: USC actively pursued and submitted several grant applications in 2024 to support USC member programming, project planning and implementation in all focus areas (ag, streams, wetlands, and buffers). The following were applied:</p> <ul style="list-style-type: none"> • USDA Forest Service IRA Forest Support for \$1.9 million to provide forestry assistance to small acreage underserved landowners by building capacity with the USC and member SWCS. This proposal was not approved. • NFWF Chesapeake Bay WILD proposal for \$750,000 to support wetland and riparian Forest buffer work along stream corridors and support mussel habitat as well as expanding SRBC eels in the classroom program. This was funded at a reduced rate \$500,000 so currently working on budget and scope of work edits. • Submitted proposal to The Nature Conservancy for staffing support for their Reforestation for the Future Pilot for \$99,660. The USC plans to provide technical assistance for plan development for 100 acres working with a minimum of 10 landowners. • Submitted proposal for Arbor Day Foundation in late August for \$330,000 for the purchase of 60,000 trees. • Stream Corridor Restoration proposal to the 2024 NFWF INSR grant round for \$1.9 million to support stream restoration, watershed assessments and stream team capacity. • NFWF Small Watershed Grant for \$500,000 to assist with buffer monitoring and maintenance

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					<p>and engagement with local landscapers to assist with buffer care. The title of the application was Investing in Riparian Forest Buffer Establishment: A Pilot Project in the Upper Susquehanna Watershed.</p> <ul style="list-style-type: none"> NFWF INSR \$1.9 million to support technical capacity and implementation within Districts for afforestation and riparian corridor restoration. <p>NYS State Afforestation Proposal for \$1.2 million to develop protocols, guidelines and tools for statewide afforestation program. In addition, funding support for staff and pilot projects</p>
12/31/2025	Soil health implementation and outreach (P.70)	This is an ongoing effort to promote the widespread use of soil health practices and demonstrate effective outreach programs for delivering technical assistance to small dairies implementing whole farm strategies to reduce nutrient and sediment loss. BMPs implemented in the watershed as a result this program will be reported on an annual basis.	USC	Ongoing	<p>2024 Update: The USC continues to support cover crops, nutrient management, and tillage practices through the future use of the Online Tracking App that will be developed, as well as pursuing additional funding for implementation. Practices implemented thru this initiative are tracked and reported by SWCD member counties.</p>
12/31/2024	NFWF Chesapeake Bay Stewardship Grant: Expanding Nutrient Management Across All Landscapes in the Headwaters for the Chesapeake Bay (NY,PA) (P.71-72)	In 2021, the USC was awarded \$500,000 for support of nutrient management planning and implementation in both Ag and piloting work in the Urban sector. The bulk of the grant will be focused on implementing nutrient management plans on agricultural lands. The USC is looking at setting aside \$50,000 for urban nutrient management planning and	USC	Ongoing	<p>2024 Progress: The USC contracted urban nutrient management plans for 9 properties on over 322 acres. Voluntary pledge cards for urban nutrient management BMPs were completed for 824 acres. As of 12/20/2024, 22,369 farm acres have been planned to baseline standards as a minimum, a good portion of those acres are higher planning standard level. This includes 90 plans, with 1,536 Soil Tests and 54 Manure Analysis.</p>

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		planning to partner with Binghamton University and Regional Planning Boards on the program development.			
12/31/2025	Regional Conservation and Partnership Program (P. 68)	Renewed in 2021, the USC was awarded funding to focus on implementing best management practices that address un-met needs in the watershed related to the TMDL load allocations and assist with re-occurring flooding issues. The stream practice sign up was held in 2023 and 5 applications were received. In 2024, The USC plans to have a sign up for farmstead practices and possible grazing in late 2024/early 2025.	USC	Ongoing	2024 Progress: Round 1 of RCPP contracts were awarded and three contracts are moving forward for stream work. Round 2 ranking is currently in progress for 9 farmstead applications. There will be a third round in 2025.
9/30/2022	USFS F21 Technical Capacity Support for Buffer Work (P.71-72)	Assist in the hire of riparian forest buffer technicians to increase technical capacity in the Upper Susquehanna watershed within NY and PA. Through this funding, the USC will work to maintain a focus on planning and implementation efforts regarding riparian buffer implementation within areas with identified workload. Technical assistance will address an existing workload as well as drive landowner/operator interest in	USC	Ongoing	2024 Update: This funding provided gap support for planning and grant proposal development for several USC Buffer Team staff. Staff attended training on agroforestry and pollinators, maintained our buffer maintenance equipment, developed planning tools, and finally planned over 10 projects. In the spring, the USC and partners coordinated four CREP trainings in an effort to train USDA and SWCD folks about the program and Conservation Practice 22, Riparian Forest Buffer. Over 100 staff attended one of the trainings, which were held throughout New York.

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		<p>riparian restoration. Riparian restoration implementation will be accelerated through multiple funding sources. Supporting technical capacity within districts will result in the equivalent of a new full time buffer technician hire, increasing technical capacity available to address riparian restoration needs. The USC is working with USFS to extend the contract and add additional funds to be utilized in 2024.</p>			
12/31/2025	NRCS Contribution Agreement CRP/CREP and EQIP (P.68)	<p>USC entered into a Contribution Agreement with NRCS to provide technical assistance and support to participants with planning, design and implementation of CRP/CREP and EQIP conservation practices within the CB Watershed in NY.</p>	USC	Ongoing	<p>2024 Update: The agreement continues to be useful for Chenango SWCD, Tioga SWCD, and the Upper Susquehanna Coalition staff. The USC has worked on CREP in Chenango, Cortland, Otsego, Broome, and Tioga Counties. The primary focus of the technical assistance has been for CP-22s, riparian forest buffer. In a few instances the USC have worked on planting a CP30, marginal pastureland wetland buffer. The USC has paused on promoting CREP because the USDA is waiting for a new farm bill to be in place before they can continue.</p>
12/31/2025	Alliance for the Chesapeake Bay Organic Valley Initiative (P.154)	<p>USC is working an agreement that should be effective on 1/1/24 to provide technical support to Organic Valley farms in the NY portion of the CB watershed that want to implement Climate Smart Practices such as Riparian Forest Buffer.</p>	USC	Ongoing	<p>2024 Update: Progress is slow on this initiative. USC invited Organic Valley and Alliance for the Chesapeake Bay to attend USC meeting to roll out the program and provide updates. Meeting held by Alliance and Organic Valley during 2024 in Cortland with few farms attending. Waiting on Organic Valley and Alliance to conduct outreach to farms so that the USC can begin working with interested farms.</p>

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12/31/2025	Support Comprehensive Riparian Buffer Program and Conowingo WIP implementation using Infrastructure Investment Jobs Act (IIJA) grant funding (P.71-72)	IIJA funds will be used to continue the state practice incentive payment disbursement & CREP re-enrollment activity, support the riparian buffer stewardship program, and increase riparian forest buffer planning and implementation. Funding will also be used to implement high priority BMPs identified in the Conowingo WIP including wetlands, grazing, and nutrient management.	USC, NYS DEC	Ongoing	2024 Update: \$1.4 million of IIJA funds was sub-awarded at the end of the milestone period through a contract with the USC to support the USC Buffer Program. Funding will also be used to implement high priority BMPs identified in the Conowingo WIP including wetlands, grazing, and nutrient management. Supported four practice incentive payments to farms that completed CREP. Supported riparian forest buffer planning efforts in Broome County and upland planting in Chenango County. In Fall of 2024, 508 new acres and 2,557.28 continued acres of cover crops were implemented within the most effective basin watershed in Cortland County.
Developed Sector					
12/31/2025	NYS funding for non-agricultural nonpoint implementation through the Water Quality Improvement Project (WQIP) Program (P.130)	Implement two rounds of the NYS Water Quality Improvement Project (WQIP) Program This program is funded through New York's Environmental Protection Fund (EPF).	NYS DEC	Ongoing	2024 Update: Round 19 and 20 of WQIP was awarded during the 2024 milestone period. The following projects were awarded in the Chesapeake Bay watershed: <ul style="list-style-type: none"> • \$81,960 – Chenango County Hydroseeding Project • \$345,900 – Steuben County Bennetts Creek Stabilization and Field Protection Project • \$266,000 – Tioga County Blodgett Road Stream Rehabilitation • \$359,148 – Tompkins County South Road Culvert Replacement and Braley Hill Road Culvert Stabilization • \$35,000 – Tioga County Zebracki West Branch Owego Creek Rehabilitation Project
12/31/2025	NYS funding for non-agricultural nonpoint project planning and design through the Nonpoint Source	Implement two rounds of the Nonpoint Source Planning Grant (NPG) program. This program is funded through New York's Environmental Protection Fund	NYS DEC	Ongoing	2024 Update: Round 4 and 5 of NPG was awarded during the 2024 milestone period. The following projects were awarded in the Chesapeake Bay watershed: <ul style="list-style-type: none"> • \$14,247 – Otsego County Shadow Brook

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	Planning Grant (NPG) (P.130)	(EPF).			<p>Nonpoint Source Stormwater Mapping and Assessment</p> <ul style="list-style-type: none"> • \$8,937 – Otsego County Cripple Creek Nonpoint Source Stormwater Mapping and Assessment • \$8,937 – Otsego County Hayden Creek Stormwater Mapping and Assessment • \$75,000 - Village of Waverly Dry Brook Stream Corridor Assessment
12/31/2025	NYS funding for green infrastructure projects to reduce stormwater impacts through the Green Infrastructure Grant Program (GIGP) (P.129)	Implement two rounds of the Green Infrastructure Grant Program (GIGP). This program is funded through New York’s Environmental Protection Fund (EPF).	NYS DEC/EFC	Ongoing	2024 Update: The 15 th round of EPG was announced in February 2024. Ten projects were awarded, however there were no projects in the Chesapeake Bay Watershed.
12/31/2022	Expand reporting of Urban Nutrient Management Plans in the Watershed (P.120)	Using CBIG funding, NYSDEC will work with the Upper Susquehanna Coalition to promote implementation and reporting of urban nutrient management plans and practices.	NYS DEC	Ongoing	2024 Update: Over 800 acres of voluntary urban nutrient management pledge cards and plans were reported to the NEIEN database.
12/31/2025	Compliance and enforcement of MS4 communities, industrial stormwater and construction sites through New York Phase II Stormwater	Continue to implement enhanced oversight of facilities in the Susquehanna and Chemung River Basins regulated by NYSDEC SPDES permits.	NYS DEC	Ongoing	2024 Update: DEC conducted 2 inspections at construction stormwater sites in the watershed. DEC participated in 3 technical assistance meetings and responded to 4 complaints for construction stormwater sites. DEC issued 4 notices of violations for construction stormwater sites.

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	Program (P.110)				
Wastewater Sector					
12/31/2025	Modify Significant facility permits (P.91-92, 99)	NYSDEC will initiate permit modifications for 32 Significant facilities to include 2025 wasteload allocations and concentration limits. Permits that are up for renewal have been or are in the process of being modified with 2025 wasteload allocations. The remaining permits will be modified together as a mass modification during the milestone period. There have been 22 permits issued and 8 permits remain in progress. Two facilities Addison and Endicott Interconnect Technologies have terminated permits. The number of permits modified will be reported on an annual basis.	NYS DEC	Ongoing	2024 Update: Twenty-eight significant permits have been modified and issued to date to include Phase III WIP requirements. The two remaining permits have gone to public notices during the milestone period and should be issued during the next milestone period.
12/31/2025	Continue to use EPA's Integrated Compliance Information System (ICIS) (P.103)	Continue to use the ICIS data management system to submit individual SPDES permit data as appropriate.	NYS DEC	Ongoing	2024 Update: During calendar year 2024, DEC entered individual SPDES permit data into the ICIS database as appropriate.
12/31/2025	Compliance and enforcement of wastewater permits (P.87-88)	Continue to implement enhanced oversight of facilities in the Susquehanna and Chemung River Basins regulated by NYSDEC	NYS DEC	Ongoing	2024 Update: During the reporting period, 46 unique facilities were inspected in the watershed with 50 total inspection visits. 1 facility in the watershed had enforcement actions taken and 4 complaint responses were

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		SPDES permits.			responded to during 2024.
12/31/2025	NYS funding for wastewater treatment improvement through the Water Quality Improvement Project (WQIP) Program (P.106)	Implement two rounds of the NYS Water Quality Improvement Project (WQIP) Program. This program is funded through New York's Environmental Protection Fund (EPF).	NYS DEC	Ongoing	2024 Update: Round 19 and 20 of WQIP was awarded during the 2024 milestone period. The following projects were awarded in the Chesapeake Bay watershed: <ul style="list-style-type: none"> • \$1,781,120 – Village of Endicott Sewer Connection System Improvements Phase 2 • \$10,000,000 – Village of Sherburne Wastewater Nutrient Reduction • \$2,202,400 – City of Cortland Wastewater Nutrient Reduction • \$9,858,147 – Village of Owego Sewer Collection System Improvements • \$10,000,000 - Village of Endicott Wastewater Treatment Facility Nutrient Reduction • \$10,000,000 – Chemung County Sewer District Consolidation – Milton Street Wastewater Treatment Plant • \$2,300,000 – City of Oneonta Wastewater Treatment Phosphorus Reductions • \$3,420,000 – Town of Owego Sewer Wastewater Treatment Improvements.
12/31/2025	NYS funding for wastewater treatment improvement project planning and design through the DEC/EFC Wastewater Infrastructure	Implement two rounds of the DEC/EFC Wastewater Infrastructure Engineering Planning Grant (EPG).	NYS DEC/EFC	Ongoing	2024 Update: Round 13 of EPG was awarded during the 2024 milestone period. The following projects were awarded in the Chesapeake Bay watershed: <ul style="list-style-type: none"> • \$50,000– Village of Tully WWTP • \$50,000 – Village of Hamilton Inflow and Infiltration Study • \$50,000 – Village of Cooperstown Inflow

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	Engineering Planning Grant (EPG) (P.106)				and Infiltration Study
12/31/2025	NYS funding for wastewater treatment improvement upgrades through Water Infrastructure Improvement & Intermunicipal Grants (P.106)	Implement two rounds of the DEC/EFC Water Infrastructure Improvement & Intermunicipal Grants (WIIA).	NYS DEC/EFC	Ongoing	<p>2024 Update: 2024 WIIA was awarded during the 2024 milestone period. The following projects were awarded in the Chesapeake Bay watershed:</p> <ul style="list-style-type: none"> • \$3,729,104– Village of Sherburne Wastewater Treatment Plant and Pump Station Upgrade • \$5,875,000 – Village of Endicott Wastewater Treatment Plant Nutrient Reduction Project • \$1,249,790 Town of Bath Lake Salubria and Kanona Collection System • \$1,097,750 Village of Canisteo Disinfection System and Wastewater Treatment Plant Improvements
12/31/2025	Track upgrades for facilities (P.98, 106)	Track upgrades for enhanced nutrient removal for significant and non-significant facilities through existing wastewater grant programs.	NYS DEC/EFC	Ongoing	<p>2024 Update: The following facilities are currently under contract for engineering or implementation of nutrient upgrades or facility improvements:</p> <p>Engineering Planning Grants:</p> <ul style="list-style-type: none"> • Mt. Zoar Area Sanitary Sewer Study for Town of Southport • Village of South Corning • Village of Tully WWTP • Village of Hamilton • Village of Cooperstown <p>Water Quality Improvement Projects</p> <ul style="list-style-type: none"> • Owego (T) SD#1 WPCP • Bath (V) WWTP • Cooperstown WWTP

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					<ul style="list-style-type: none"> • Chemung County Sewer Districts • Village of Sidney WWTP • Town of Chenango Wastewater Treatment Improvement at Northgate Facility • Village of Sherburne Wastewater Nutrient Reduction • City of Cortland Wastewater Nutrient Reduction • Village of Owego Sewer Collection System Improvements • Village of Endicott Wastewater Treatment Facility Nutrient Reduction • City of Oneonta Wastewater Treatment Phosphorus Reductions <p>EFC Water Infrastructure Improvement & Intermunicipal Grant Awards</p> <ul style="list-style-type: none"> • Village of Endicott Sanitary Sewer • Village of Afton Wastewater Collection and Treatment • Village of Bainbridge Sanitary Sewer • Village of Canisteo Disinfection System • Town of Erwin Wastewater Treatment Plant & Route 417 Sewer Improvements • Village of Sherburne Wastewater Treatment Plant • Town of Bath Lake Salubria and Kanona Collection System
12/31/2025	Track trading amount individual SPDES (P.100)	Track nutrient trades among Significant wastewater facilities and modify permits accordingly.	NYS DEC	n/a	2024 Update: No nutrient trades were done among significant facilities during the milestone period.

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12/31/2025	Wastewater Growth Analysis (P.107)	DEC conducts an analysis to determine if changes in flow are due to measurable growth or due to wet weather and impacts of I&I. If flow changes are due to growth, New York will implement actions to offset the load associated with growth. Flow increases due to wet weather as a result of excessive I&I will be addressed through I&I studies and remediation. This analysis will be completed for 2024-2025.	NYS DEC	n/a	2024 Update: Analysis results will be provided during the next reporting period.
12/31/2025	Wastewater Growth Analysis (P.107)	Based on the 2023 Wastewater Growth Analysis, prioritize follow up on for the following facilities: <ul style="list-style-type: none"> - Sidney (V) STP - Address potential I&I issues - Greene (V) WWTP – review for potential growth during 2024-2025. - Sherburne (V) STP - Address potential I&I issues - Chobani Inc. – review for potential growth during 2024-2025. 	NYS DEC	n/a	2024 Update: The two-year wastewater growth analysis will be prepared for the 2023 progress period.
12/31/2025	Binghamton-Johnston City wastewater treatment plant	DEC will continue to provide the most up to date information on the Binghamton-Johnson City	NYS DEC	Ongoing	2024 Update: The facility has been meeting both nitrogen and phosphorus concentration limits during the milestone period.

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	Compliance (P.101)	WWTP permit and consent order.			
Other Sectors/Climate Change					
12/31/2025	Updating Forest Harvesting Acres (P.141-142)	DEC will work with Chesapeake Bay Program to update harvested forest acres in the model using state-specific data.	NYS DEC	Ongoing	2024 Update: DEC has continued participation on the Timber Harvest Task Force under the Forestry Workgroup. State-owned forests with timber harvest records are now being reported from 2013-2024 to CAST.
12/31/2025	Climate Change Allocation (P.145)	DEC has submitted an updated BMP input deck to account for the additional allocation of 0.399 million lbs. of nitrogen and 0.044 million lbs. of phosphorus.	NYS DEC	Ongoing	2024 Update: NY is continuing to implement BMPs towards the Phase III WIP and Climate Change additional loads.
12/31/2025	2035 Climate Change Conditions (P.145)	Preliminary estimates for the climate impact through 2035 indicate a doubling of the 2025 load effect. The effect of climate change on our ability to meet the Bay's water quality standards is a significant and increasing concern.	NYS DEC	Ongoing	2024 Update: As of 2024, there are 44 Climate Smart Communities registered in the watershed. There are 13 communities with bronze certification and one, Tompkins County, with a silver certification.
12/31/2024	NFWF Chesapeake Bay Stewardship Grant: Watershed Approach to Stream Corridor Restoration in the Headwaters for the Chesapeake Bay (NY, PA) (P.71)	In 2021, the USC was awarded \$500,000 to focus on stream corridor restoration efforts in I-4 Watersheds and fund a two person USC stream assessment team to conduct three additional watershed assessments and help SWCD's that participated in I-4 work on prioritizing projects, designing, and securing funding for implementation.	USC	Ongoing	2024 Update: The Upper Susquehanna Coalition met and exceeded all proposed deliverables for this project. Notably, the USC implemented 20.88 acres of riparian forest buffer, 1,900 feet of livestock exclusion, 7,694 feet of stream corridor restoration, namely through bank stabilization and in stream structures, 10.85 acres of upland afforestation, and 17.5 acres of wetland restoration. Portions of the Cohocton and Tioughnioga watersheds received intense assessments, via desktop review and through in-field visual assessments. Otherwise, a desktop

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					review was conducted within several other areas to better prioritize riparian restoration opportunities and provide information as to whether there are opportunities. A future project could be to develop an outreach campaign for these landowners. Lastly, The USC was able to connect with two Environmental Justice/DEIJ communities regarding stream corridor management and restoration.
8/1/2024	SRBC Mud Creek Wetland and Buffer Restoration Project (P.53)	In 2021, the USC was awarded a grant for \$316,000 to purchase a property in the Mud Creek watershed and restore over 26 acres of wetland and riparian forest area.	USC	Ongoing	2024 Update: Through the course of this project, USC used project funds to purchase and protect a 104.5 acre property and enhanced 26 acres of riparian and wetland area with 6.2 acres of riparian forest buffer and 19.8 acres of wetland. Restoration activities included planting 3,372 trees and shrubs in the previously active agricultural fields, hydrology management, invasive species management and deer exclusion fencing.
7/31/2025	SRBC Chenango River Partnership Project – Wetland, Stream and Buffer Restoration Project (P.53)	In 2022, the USC was awarded a grant for \$358,560 to restore a severely eroding section of Chenango Riverbank, to restore and enhance 17.5 acres of wetland, and to restore 5.5 acres of Riparian Forest Buffer.	USC	Ongoing	2024 Update: In 2024, 4,455 trees and shrubs were planted throughout 14.8 acres of wetland and riparian area at the Chenango River site. This planting expanded site work completed in 2023 for a total of 18.4 acres of restored and enhanced wetland, 6.6 acres of riparian forest restoration and 545 feet of streambank restoration. The restoration was coupled with invasive species management, mowing and the installation of an access trail. In 2025, work will target additional invasive species management and mowing, educational signage and supplemental planting as needed.
3/31/2025	NFWF SWG Landscape Wide Afforestation (P.53)	In 2023, the USC was awarded a grant for \$500,000 to plant 30,000 plantings in upland areas, 200 trees within municipal areas, and 7 acres of riparian plantings.	USC	Ongoing	2024 Update: 2024 was a robust year of plantings. Through this grant, the USC has planted close to 55,000 trees. Plants have been planted throughout the watershed- focusing on riparian areas, but also throughout upland rural areas and within urban centers. In total, 137

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		This funding will support pilot projects for forest establishment throughout the landscape within the watershed.			acres of land have been planted. The USC continue to engage with landowners and volunteers through this program, as it provides funding for outreach activities. The USC reached over 1,300 people and engaged with 88 volunteers.
12/31/2025	NFWF INSR Water Quality Program (P.53)	In 2023, USC was awarded a grant for \$1 million to support our Water quality program. The watershed restoration practices include, (1) riparian forest buffers, including associated livestock practices, (2) non-tidal wetland restoration, creation or enhancement, and (3) floodplain restoration that reconnects incised streams. Deliverables: 50 acres of RFB, 240 acres of grazing, 20 acres of wetland restoration and 400 acres of forest establishment, 0.19 miles of stream restoration including 5 acres of floodplain reconnection.	USC	Ongoing	2024 Update: This program's purpose is to fill programmatic and funding gaps with the implementation of farm practices such as grazing, riparian forest buffers, wetland restoration, and stream corridor restoration. Funding is widely available to SWCD member districts for use. To date, the USC has implemented 1,530 linear feet of riparian forest buffer (25.5 acres), 0.5 acres of wetland restoration, 7,365 feet of stream corridor restoration, 215 acres of rotational grazing, and over 23,000 feet of livestock exclusion.
3/31/2025	NFWF INSR Fueling Natural Filters	In 2022, USC was awarded a grant for \$1 million to coordinate an implementation-driven program with special emphasis on restoration of natural filters, specifically riparian buffers, wetland restoration, floodplain reconnection, upland afforestation, and permanent land protection within targeted	USC	Ongoing	2024 Update: A contract was completed during the reporting period. The QAPP was approved, and the USC is moving forward with contracts to SWCDs as well as wetland restoration work. All implementation deliverables have been met and the grant is set to close March 31, 2025. At this time, USC and land trust staff are looking at properties to permanently protect, both via in-field and desktop reviews. The USC has implemented 120 acres of riparian forest buffer, 35 acres of wetland restoration acres, over 3,000 feet of stream corridor restoration, 12.2

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		locations.			acres of floodplain restoration, 1,240 acres permanently protected through purchase or easement, and 20 acres of upland afforestation.

Numeric Milestones

Best Management Practices	BMP Type	Unit	2024 Progress	2024 Milestone	2025 Progress	2025 Milestone	Milestone Program/Funding Sources
Nutrient Management Core N & P	Annual	Acres	121,630	137,434		151,245	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Cornell Dairy Acceleration Program (DAP) CAFO Compliance Enhanced BMP reporting (2020 WIP Assistance)
Nutrient Management Rate, Timing, Placement N & P	Annual	Acres	116,363	136,434		151,245	
Cover Crops	Annual	Acres	20,391	18,737		19,983	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) USC Cover Crop Implementation Program Enhanced BMP reporting (2020 WIP Assistance)
Forest Buffers on Fenced Pasture Corridor	Cumulative	Acres	1,886	3,222		3,543	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Comprehensive Riparian Buffer Establishment in the Susquehanna River Basin Program Susquehanna Watershed Riparian Buffer Enhancement Project Expanding Engagement in the Upper Susquehanna Coalition Buffer Program
Forest Buffers	Cumulative	Acres	1,201	1,887		2,124	
Soil and Water Conservation Plan	Cumulative	Acres	200,207	275,588		299,454	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Enhanced BMP reporting (2020 WIP Assistance)
Livestock Waste Management Systems	Cumulative	Animal Units	88,095	125,643		133,741	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) CAFO Compliance

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Best Management Practices	BMP Type	Unit	2024 Progress	2024 Milestone	2025 Progress	2025 Milestone	Milestone Program/Funding Sources
Dairy Precision Feeding	Annual	Animal Units	23,968	27,920		30,000	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Cornell Dairy Acceleration Program (DAP) Enhanced BMP reporting (2020 WIP Assistance)
Urban Nutrient Management Plans	Annual	Acres	815	9,287		18,574	<ul style="list-style-type: none"> NFWF Chesapeake Bay Stewardship Grant: Expanding Nutrient Management Across All Landscapes in the Headwaters for the Chesapeake Bay DEC Urban Nutrient Management Pilot Project
Conservation Tillage	Annual	Acres	27,265	23,467		25,944	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Enhanced BMP reporting (2020 WIP Assistance)
Pasture Alternative Watering	Cumulative	Acres	1,665	4,680		6,239	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Enhanced BMP reporting (2020 WIP Assistance)
Horse Pasture Management	Cumulative	Acres	846	405		775	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) CAFO Compliance Enhanced BMP reporting (2020 WIP Assistance)
Wetland Creation	Cumulative	Acres	65	193		258	<ul style="list-style-type: none"> WQIP Expanding Wetland Work in the Upper Susquehanna River Watershed Climate Resilient Farming (CRF) SRBC Mud Creek Wetland and Buffer Restoration Project
Wetland Rehabilitation	Cumulative	Acres	25	1,526		2,034	<ul style="list-style-type: none"> WQIP Expanding Wetland Work in the Upper Susquehanna River Watershed Climate Resilient Farming (CRF) SRBC Mud Creek Wetland and Buffer Restoration Project
Land Retirement	Cumulative	Acres	4,119	6,196		8,855	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Enhanced BMP reporting (2020 WIP Assistance)
Alternative Crops	Cumulative	Acres	774	1,551		2,068	<ul style="list-style-type: none"> Enhanced BMP reporting (2020 WIP Assistance)

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Best Management Practices	BMP Type	Unit	2024 Progress	2024 Milestone	2025 Progress	2025 Milestone	Milestone Program/Funding Sources
Tree Planting	Cumulative	Acres	185	615		819	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Enhanced BMP reporting (2020 WIP Assistance)
Manure Incorporation	Annual	Acres	29,408	67,158		89,359	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Enhanced BMP reporting (2020 WIP Assistance)
Stream Restoration	Cumulative	Feet	75,359	79,120		113,340	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Enhanced BMP reporting (2020 WIP Assistance)
Barnyard Runoff Control + Loafing Lot Management	Cumulative	Acres	244	418		591	<ul style="list-style-type: none"> Agricultural Nonpoint Source Abatement and Control Program (AgNPS) Climate Resilient Farming (CRF) Enhanced BMP reporting (2020 WIP Assistance)
Runoff Reduction <ul style="list-style-type: none"> Sheet flow to vegetated filter strip Impervious disconnection 	Cumulative	Acres treated	3,721	4,500		6,000	<ul style="list-style-type: none"> NYS Water Quality Improvement Project (WQIP) Program NYS Environmental Justice Community Development Impact Grant Program NYS Climate Smart Communities Grant Program NYS Local Waterfront Revitalization Program NYS Environmental Facilities Corporation Green Innovation Grant Program NYS Environmental Facilities Corporation Green Resiliency Grant Program
Stormwater Treatment <ul style="list-style-type: none"> Bioretention Rain Garden Dry swale Bioswales Green roofs Infiltration practices Permeable Pavement Rainwater Harvesting 	Cumulative	Acres treated	2,722	3,300		4,400	<ul style="list-style-type: none"> NYS Water Quality Improvement Project (WQIP) Program NYS Environmental Justice Community Development Impact Grant Program NYS Climate Smart Communities Grant Program NYS Department of State Local Waterfront Revitalization Program NYS Environmental Facilities Corporation Green Innovation Grant Program NYS Environmental Facilities Corporation Green Resiliency Grant Program