

New York Chesapeake Bay Restore Clean Water Action Items

2024-2025 Programmatic and Numeric Final Milestones

Target Date	Milestone (WIP page reference) <sup>1</sup>	Deliverable	Lead Agency	Status	Comments/Status Updates
<b>Agricultural Sector</b>					
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 &amp; 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)		

<sup>1</sup> 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). \$13.5 million of statewide funding is available for AgNPS Round 29. During the last milestone period a total of \$11.8 million was awarded to implement BMPs on 32 farms in the watershed. Installation of BMPs implemented in the watershed through this program will be reported on an annual basis.	NYS AGM/ NYS SWCC		
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, \$3.2 million was awarded to implement BMPs on 22 farms in the watershed. BMPs implemented in the watershed through this program will be reported on an annual basis.	NYS AGM/ NYS SWCC		

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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 <sup>th</sup> year of the previous cover crop contract, 15,287 acres of cover crops were implemented in the watershed.	Upper Susquehanna Coalition (USC)		
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		
12/31/2025	Increase capacity of Reporting/Verification program, Enhanced BMP reporting (P.79-80) through the development of mobile application for annual practice	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 Conservation District to assist with reporting annual	USC, NYS DEC		

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	reporting and verification	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”.			
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 data source’s ability. Each year, the USC contracts with the SWCD’s support staff time associated with Whole	USC, NYS DEC		

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		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		
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 well as two years of multi-day trainings, including: Conservation Skills Workshop, Certified Crop Advisor	USC, NYS AGM, Cornell University, NRCS		

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		(CCA) Training, and Water Quality Symposium.			
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		
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		
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	USC		

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		<p>\$50,000 for urban nutrient management planning and planning to partner with Binghamton University and Regional Planning Boards on the program development.</p>			
12/31/2025	<p>Regional Conservation and Partnership Program (P. 68)</p>	<p>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.</p>	USC		
9/30/2022	<p>USFS F21 Technical Capacity Support for Buffer Work (P.71-72)</p>	<p>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</p>	USC		

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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	<p>NRCS Contribution Agreement CRP/CREP and EQIP (P.68)</p>	<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		
12/31/2025	<p>Alliance for the Chesapeake Bay Organic Valley Initiative (P.154)</p>	<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		



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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		
<b>Developed Sector</b>					
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		
12/31/2025	NYS funding for non-agricultural nonpoint project planning and design through the Nonpoint Source Planning Grant (NPG) (P.130)	Implement two rounds of the Nonpoint Source Planning Grant (NPG) program. This program is funded through New York's Environmental Protection Fund (EPF).	NYS DEC		
12/31/2025	NYS funding for green infrastructure projects to reduce stormwater impacts	Implement two rounds of the Green Infrastructure Grant Program (GIGP). This program is funded through New York's Environmental	NYS DEC/EFC		

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	through the Green Infrastructure Grant Program (GIGP) (P.129)	Protection Fund (EPF).			
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		
12/31/2025	Compliance and enforcement of MS4 communities, industrial stormwater and construction sites through New York Phase II Stormwater Program (P.110)	Continue to implement enhanced oversight of facilities in the Susquehanna and Chemung River Basins regulated by NYSDEC SPDES permits.	NYS DEC		
<b>Wastewater Sector</b>					
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	NYS DEC		

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		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.			
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		
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 SPDES permits.	NYS DEC		
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		
12/31/2025	NYS funding for	Implement two rounds of the	NYS DEC/EFC		

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	wastewater treatment improvement project planning and design through the DEC/EFC Wastewater Infrastructure Engineering Planning Grant (EPG) (P.106)	DEC/EFC Wastewater Infrastructure Engineering Planning Grant (EPG).			
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		
12/31/2025	Track trading amount individual SPDES (P.100)	Track nutrient trades among Significant wastewater facilities and modify permits accordingly.	NYS DEC		
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		

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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"> <li>- Sidney (V) STP - Address potential I&amp;I issues</li> <li>- Greene (V) WWTP – review for potential growth during 2024-2025.</li> <li>- Sherburne (V) STP - Address potential I&amp;I issues</li> <li>- Chobani Inc. – review for potential growth during 2024-2025.</li> </ul>	NYS DEC		
12/31/2025	Binghamton-Johnston City wastewater treatment plant Compliance (P.101)	DEC will continue to provide the most up to date information on the Binghamton-Johnson City WWTP permit and consent order.	NYS DEC		
<b><i>Other Sectors/Climate Change</i></b>					
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		
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		

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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		
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		
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		
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		

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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. This funding will support pilot projects for forest establishment throughout the landscape within the watershed.	USC		
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 that we plan to focus on 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		
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	USC		

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		reconnection, upland afforestation, and permanent land protection within targeted locations.			

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		137,434		151,245	<ul style="list-style-type: none"> <li>Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>Climate Resilient Farming (CRF)</li> </ul>



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Nutrient Management Rate, Timing, Placement N & P	Annual	Acres		136,434		151,245	<ul style="list-style-type: none"> <li>• Cornell Dairy Acceleration Program (DAP)</li> <li>• CAFO Compliance</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Cover Crops	Annual	Acres		18,737		19,983	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> <li>• USC Cover Crop Implementation Program</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Forest Buffers on Fenced Pasture Corridor	Cumulative	Acres		3,222		3,543	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> </ul>
Forest Buffers	Cumulative	Acres		1,887		2,124	<ul style="list-style-type: none"> <li>• Comprehensive Riparian Buffer Establishment in the Susquehanna River Basin Program</li> <li>• Susquehanna Watershed Riparian Buffer Enhancement Project</li> <li>• Expanding Engagement in the Upper Susquehanna Coalition Buffer Program</li> </ul>
Soil and Water Conservation Plan	Cumulative	Acres		275,588		299,454	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Livestock Waste Management Systems	Cumulative	Animal Units		125,643		133,741	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> <li>• CAFO Compliance</li> </ul>
Dairy Precision Feeding	Annual	Animal Units		27,920		30,000	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Cornell Dairy Acceleration Program (DAP)</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Urban Nutrient Management Plans	Annual	Acres		9,287		18,574	<ul style="list-style-type: none"> <li>• NFWF Chesapeake Bay Stewardship Grant: Expanding Nutrient Management Across All Landscapes in the Headwaters for the Chesapeake Bay</li> <li>• DEC Urban Nutrient Management Pilot Project</li> </ul>

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Conservation Tillage	Annual	Acres		23,467		25,944	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Pasture Alternative Watering	Cumulative	Acres		4,680		6,239	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Horse Pasture Management	Cumulative	Acres		405		775	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> <li>• CAFO Compliance</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Wetland Creation	Cumulative	Acres		193		258	<ul style="list-style-type: none"> <li>• WQIP Expanding Wetland Work in the Upper Susquehanna River Watershed</li> <li>• Climate Resilient Farming (CRF)</li> <li>• SRBC Mud Creek Wetland and Buffer Restoration Project</li> </ul>
Wetland Rehabilitation	Cumulative	Acres		1,526		2,034	<ul style="list-style-type: none"> <li>• WQIP Expanding Wetland Work in the Upper Susquehanna River Watershed</li> <li>• Climate Resilient Farming (CRF)</li> <li>• SRBC Mud Creek Wetland and Buffer Restoration Project</li> </ul>
Land Retirement	Cumulative	Acres		6,196		8,855	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Alternative Crops	Cumulative	Acres		1,551		2,068	<ul style="list-style-type: none"> <li>• Enhanced BMP reporting (2020 WIP Assistance)</li> </ul>
Tree Planting	Cumulative	Acres		615		819	<ul style="list-style-type: none"> <li>• Agricultural Nonpoint Source Abatement and Control Program (AgNPS)</li> <li>• Climate Resilient Farming (CRF)</li> </ul>

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

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Pavement • Rainwater Harvesting							Program