

New York Chesapeake Bay Restore Clean Water Action Items  
 Final 2016-2017 Programmatic Milestones  
 Submitted 05/06/2016; Revised 05/25/2016

Target Date	Milestone (WIP page reference) <sup>1</sup>	Deliverable	Lead Agency	Comments/Status Updates
<b>Agriculture</b>				
08/05/2016	Demonstrate further progress toward nutrient and sediment reduction goals	Written plan for demonstrating further progress toward agricultural BMP goals described in the Watershed Implementation Plan. This description may include improved accounting of current implementation and ways to increase implementation levels in the future.	NYSDEC, USC, NYSDAM	
12/31/2016	Issue new CAFO general permits	New York is working to issue a new Clean Water Act CAFO general permit and a new Environmental Conservation Law CAFO general permit by the end of 2016.	NYSDEC	
08/31/2016	Chesapeake Bay Watershed Grant Program for Riparian Buffer Protection and Restoration (Step 1)	Issue a request for proposals for a new competitive funding program to support protection and restoration of riparian buffers. DEC expects to make up to \$1,000,000 of CBIG funding available for the first round of this program.	NYSDEC	
12/31/2016	Chesapeake Bay Watershed Grant Program for Riparian Buffer Protection and Restoration (Step 2)	Award funding for projects submitted in response to the RFP for buffer protection and restoration.	NYSDEC	
06/31/2017	Chesapeake Bay Watershed Grant Program for Riparian Buffer Protection and Restoration (Step 3)	Execute contracts for projects awarded funding in step 2 above.	NYSDEC	

<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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12/31/2017	NYS funding for agricultural conservation (p. 54)	Implement two rounds of the NYS Agricultural Nonpoint Source Abatement and Control Program (AgNPS) for practice implementation and two years of the AEM Base Program, supporting technical assistance by Soil & Water Conservation Districts through the AEM Tiers:  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	NYSDAM, USC	
12/31/2017	Dairy Acceleration Program (DAP is a New York State funding program supported by the state Environmental Protection Fund)	Implement two rounds of DAP to cost-share farm business planning and CNMP development/updates for dairy farms with fewer than 300 cows.	Cornell, NYSDEC, NYSDAM	
12/31/2017	Agriculture BMP data collection	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 2016 and 2017 Progress Runs.	USC	

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12/31/2017	CAFO BMP data collection program	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.	NYSDEC, USC	<b>Note:</b> This is a continuation of the 2014-2015 Milestone called, "Annual BMP data collection pilot program."
12/31/2017	BMP verification	Implement and refine verification procedures for agricultural BMPs in the Chesapeake Bay watershed.	USC, NYSDEC, NYSDAM	
12/31/2017	Implementation partners coordination	Improve coordination and support amongst organizations working in the Chesapeake Bay watershed and people that represent NY in Chesapeake Bay Program committees, workgroups, Goal Implementation Teams, expert panels, etc. This may include meetings, conference calls, support on funding proposals, etc.	NYSDEC, Partners	
12/31/2017	Agricultural Environmental Management (AEM) Outreach and Education (p. 25)	Deliver outreach programs for farmers and agricultural professionals in the watershed about agricultural environmental management, including Cornell Cooperative Extension, Soil &	USC, NYSDAM, Cornell, NRCS	

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	(AEM is a New York State planning program that helps farmers meet business objectives while protecting and conserving natural resources)	Water Conservation District, NYSDAM, and NRCS workshops as well as two years of multi-day trainings, including: Conservation Skills Workshop, Certified Crop Advisor (CCA) Training, and Water Quality Symposium.		
12/31/2017	Implementation of USDA-FSA Chesapeake Bay Riparian Forest Buffer Initiative and CREP State Enhancement Program  (The State Enhancement Program is supported by Chesapeake Bay Implementation Grant funding)	As part of the USDA-FSA Chesapeake Bay Riparian Forest Buffer Initiative, NYSDEC has allocated \$200,000 of CBIG funding (CREP State Enhancement Program) for practice incentive payments to landowners that enroll in new riparian forest buffer contracts through CREP. The payments will be 5-15 times the soil rental rate, depending on soil type and width of the buffer to be installed. Higher payments will be made to landowners that enroll cropland acres. USDA-FSA will also offer additional signing incentive payments to landowners located in the Chesapeake Bay watershed of \$250-375 per acre, depending on the length of the contract.	NYSDEC, NYSDAM, USC, USDA-FSA	<b>Note:</b> Initiation of the additional incentive payments is pending approval of amendments to New York's CREP agreement by USDA-FSA management.
12/31/2017	DNBR research initiative  (This project is supported by New York NRCS CIG funding)	To demonstrate applicability of coupled biochemical/biophysical systems (denitrifying bioreactor (DNBR) and active drainage management) to attenuate nitrogen (N) and phosphorus (P) in shallow groundwater using both diffuse and inline bioreactors. The outcome of this project will be to install 6 DNBR systems for treatment and monitoring, provide quantifiable, numerically defensible N and P reduction attributable to DNBRs, inform the NRCS state denitrifying bioreactor interim standard (747), to provide outreach to producers and stakeholders, and to train	Cornell, USC	

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		conservation and watershed management personnel to site, install, and manage DNBRs.		
12/31/2017	Susquehanna Watershed Riparian Buffer Enhancement Project (This project is supported by the USFS/NRCS Joint Chiefs' Landscape Restoration Partnership)	Provide education to promote riparian forest buffer implementation to landowners, develop and provide buffer workshops and trainings, coordinate buffer workgroups, and track implementation in the watershed.	USC	
12/31/2017	Implementation and outreach associated with NFWF Chesapeake Bay Stewardship Fund grant (This project is supported by the NFWF Chesapeake Bay Stewardship Fun)	Integration of 8,510 feet of stream rehabilitation with 100 buffer and 450 grazing acres. These practices combined with outreach, training and support will provide long-term responses to flood events.	USC	
12/31/2017	Comprehensive Conservation Riparian Buffer Approach (This project is supported by the NFWF Chesapeake Bay Stewardship Fund)	Research, lead the development, and facilitate the application of new tools for buffer implementation.	USC	
12/31/2017	Soil health implementation and outreach (This project is supported by New York NRCS CIG funding)	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.	USC	

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12/31/2017	Integrated Approach to Nutrient Management (This project is supported by the NFWF Chesapeake Bay Stewardship Fund)	Develop a coordinated, integrated, and comprehensive nutrient management planning process which includes the development of a resource team and the use of nutrient reduction tools for the purposes of increased adoption of Nutrient Management Plans and associated BMPs, and maximizing farm sustainability, profitability and sound resource management.	USC	
12/31/2017	Upper Susquehanna Coalition I-4 Program (This project is supported by the NFWF Chesapeake Bay Stewardship Fund)	Work with seven watersheds and their communities to reduce stream channel nutrient and sediment contributions through the survey, identification, design and implementation of practices and projects on 7,000+ feet of stream corridor. In addition, build local capacity through direct education and technical assistance to local governments to help improve stream health and habitat on 2,500 feet of stream channel.	USC	
12/31/2017	Upper Susquehanna Agricultural BMP Implementation (This program is supported by 2016 RCPP funding from USDA-NRCS)	Hold sign-up for additional EQIP practices using funding from the Regional Conservation Partnership Program.	USC, NRCS	
12/31/2017	Compliance and enforcement of CAFO permits	Continue to implement enhanced oversight of facilities in the Susquehanna and Chemung River Basins regulated by NYSDEC SPDES permits.	NYSDEC	
<b>Nonpoint Sources (Non-Agriculture)</b>				

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12/31/2017	Wetland restoration	Continue wetland restoration on public and private lands	USC	
12/31/2017	Flood mitigation	Continue streambank berm removal program to reconnect streams to their floodplains.	USC	
12/31/2017	Post-flood emergency stream intervention	Hold post-flood emergency stream intervention training sessions for municipal officials, contractors and machine operators.	USC, NYSDEC	
12/31/2017	Trees for Tribs riparian buffer program	Continue the Trees for Tribs stream buffer program in the Susquehanna and Chemung river watersheds.	NYSDEC, USC	
12/31/2017	Acid whey use (This project is supported by the New York State Environmental Protection Fund)	Continue project with Cornell University to improve understanding of the composition of and best practices for agronomic use of acid whey.	NYSDEC, Cornell	
<b>Stormwater</b>				
12/31/2017	Green infrastructure guide for municipalities	Continue working with NYSEFC to develop a low cost green infrastructure guide for municipalities in the Chesapeake Bay watershed.	NYSDEC	
12/31/2016	Track stormwater BMP data	Develop a system to track stormwater BMPs in the Chesapeake Bay watershed.	NYSDEC	
12/31/2017	Report stormwater BMP data	Report stormwater BMP data beyond erosion and sediment control in the 2017 Progress Run.	NYSDEC	
09/30/2016	Clean up historic stormwater BMP data	Use 2016 WIP Assistance funding and support from Tetra Tech to gather and report historic	NYSDEC	

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		stormwater BMP data from MS4s in the Chesapeake Bay watershed.		
12/31/2017	MS4 recordkeeping and reporting template	Seek technical support to complete development of the template and begin implementation.	NYSDEC	
12/31/2016	Evaluate fertilizer sales data	Evaluate non-farm fertilizer sales data to assess effectiveness of NY's Dishwasher Detergent and Nutrient Runoff Law and to support receipt of the phosphorus reduction credit in the Chesapeake Bay Watershed Model.	NYSDEC	
12/31/2017	Compliance and enforcement of MS4 communities, industrial stormwater and construction sites	Continue to implement enhanced oversight of facilities in the Susquehanna and Chemung River Basins regulated by NYSDEC SPDES permits.	NYSDEC	
04/30/2017	MS4 general permit	DEC will work with EPA through the established coordination process before the draft MS4 permit is released for public comment to ensure consistency with New York's Watershed Implementation Plan.	NYSDEC	
<b>Wastewater</b>				
12/31/2017	Nitrogen bubble permit compliance	Ensure compliance of Bay Significant wastewater treatment plants with the nitrogen bubble permit limits. Compliance with Phase I of the bubble begins in January 2016; compliance with Phase II begins in January 2017; and compliance with Phase III begins in January 2018.	NYSDEC	

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12/31/2017	Reconstruction of Binghamton-Johnston City wastewater treatment plant	Oversee compliance with consent order that outlines the schedule of construction and dates for achieving effluent limits.	NYSDEC	
12/31/2017	Continue to use EPA's Integrated Compliance Information System (ICIS)	Continue to use the ICIS data management system to submit individual SPDES permit data as appropriate.	NYSDEC	
12/31/2017	Compliance and enforcement of wastewater permits	Continue to implement enhanced oversight of facilities in the Susquehanna and Chemung River Basins regulated by NYSDEC SPDES permits.	NYSDEC	
<b><i>Habitat and Wildlife Restoration and Protection</i></b>				
12/31/2017	Hellbender restoration	Continue developing a hellbender restoration program in the Chesapeake Bay watershed.	USC, NYSDEC, USFWS, SUNY Buffalo	