

**Agricultural
Environmental
Management**



Round 27 Agricultural Nonpoint Source Abatement and Control Program Project Descriptions

All projects support the New York State Agricultural Environmental Management (AEM) Program by funding the implementation of agricultural water quality Best Management Practices (BMPs) to protect natural resources while maintaining the economic viability of New York State's diverse agricultural community.

Western NY

\$130,040 was awarded to the Allegany County Soil and Water Conservation District to work with one farm in the Genesee River Watershed. This project will:

- Convert cropland into permanent pasture to reduce loss of sediment and nutrients
- Convert highly erodible cropland into rotational grazing land
- Install an herbaceous buffer upstream of a public drinking water supply intake.
- Address a high priority sub-watershed that is part of the Genesee River Nine Element Watershed Plan

\$503,430 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Chautauqua Lake Watershed. This project will:

- Address agricultural nutrient runoff by providing manure storage and improved nutrient management
- Restore a riparian forest buffer to act as a filter for overland flow and enhance existing tree plantings
- Address the number one priority watershed in the Chautauqua County AEM Strategic Plan and support goals outlined in the Chautauqua Lake Watershed Management Plan, NYS Harmful Algal Bloom Action Plan, and Chautauqua Lake TMDL

\$561,457 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Allegany River – Findley Lake Watershed. This project will:

- Reduce nutrient runoff from the farmstead and improve manure management and storage on the farm
- Address high priority resource concerns as identified by the Chautauqua County SWCD AEM Strategic Plan
- Assist in meeting goals identified in the Findley Lake TMDL

\$24,385 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Slippery Rock Creek Watershed: a sub-watershed of Lake Erie. This project will:

- Provide for the proper storage and handling of agrichemicals, encourage safe storage and provide spill protection
- Implement over 100 acres of cover crops throughout the watershed to reduce soil compaction for improved water infiltration
- Protect active sources of public drinking water

Finger Lakes

\$64,040 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Oak Orchard Creek/Spring Creek Watersheds: sub-watersheds of Lake Ontario. This project will:

- Reduce excessive nutrient loading in impaired watersheds and support various objectives listed in several watershed management plans
- Improve nutrient management practices for more efficient land application
- Implement preventative practices to eliminate potential pollution concerns

\$140,640 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Tonawanda Creek Watershed. This project will:

- Upgrade an existing silage leachate storage and implement runoff control and treatment practices
- Foster continued environmental stewardship in the Tonawanda Creek Watershed
- Protect active sources of public drinking water

\$535,925 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Oatka Creek/Black Creek Watersheds. This project will:

- Implement recommended practices included in the Genesee River Nine Element Watershed Plan
- Collect, control, and utilize nutrients from the farmstead to improve crop production
- Prevent potential nutrient leaching through porous bedrock to groundwater resources

\$216,250 was awarded to the Livingston County Soil and Water Conservation District to work with five farms in the Genesee River Watershed. This project will:

- Protect active sources of public drinking water
- Implement a variety of practices to address erosion and water quality concerns
- Address potential sources of non-point source pollution identified by the Conesus Lake Watershed Management Plan

\$276,271 was awarded to the Orleans County Soil and Water Conservation District to work with five farms in the Oak Orchard River, Sandy Creek, and Johnson Creek Watersheds. This project will:

- Focus on building healthy soils and promoting reduced tillage practices
- Implement over 3,600 acres of cover crops throughout the watersheds
- Reduce excessive runoff of nutrients and soil erosion to positively impact water quality

\$635,388 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Sodus Creek/Sodus Bay Watersheds. This project will:

- Support the county's agricultural industry by assisting with environmental stewardship projects
- Implement significant best management practices to effectively address concerns and opportunities
- Encourage climate resiliency and sustainability
- Protect active sources of public drinking water

\$142,170 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Crusoie/Butler/Black Creek Watersheds. This project will:

- Support water quality in greater Lake Ontario watershed
- Provide for the proper storage and handling of agrichemicals, encourage safe storage, and provide spill protection
- Implement 600 acres of cover crops to improve soil organic matter
- Encourage other farms in the area to utilize buffers as a best management practice for protecting water quality

\$36,360 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Oatka Creek Watershed. This project will:

- Support water quality in greater Genesee River watershed
- Decrease nutrients from a concentrated area to positively impact water quality
- Implement a riparian herbaceous buffer to protect surface water resources

\$418,030 was awarded to the Yates County Soil and Water Conservation District to work with ten farms in the Keuka Lake Watershed. This project will:

- Work with landowners across the watershed to implement 24 agricultural water quality Best Management Practices Systems
- Control potential non-point source pollution, specifically sediments and nutrients
- Implement three acres of riparian herbaceous buffer to protect surface waterbodies
- Protect active sources of public drinking water

\$179,220 was awarded to the Yates County Soil and Water Conservation District to work with four farms in the Canandaigua Lake Watershed, a sub-watershed in the Finger Lakes. This project will:

- Work with landowners across the county to implement Best Management Practice Systems to reduce sediments and nutrients into Canandaigua Lake
- Provide for the proper storage and handling of agrichemicals, encourage safe storage, and provide spill protection
- Implement 1.5 acres of riparian herbaceous buffer to protect surface waterbodies

Southern Tier

\$82,086 was awarded to the Delaware County Soil and Water Conservation District to work with one farm in the Upper Susquehanna River Watershed. This project will:

- Install livestock exclusion practices and establish 2.8 acres of forested riparian buffer along 1,700 feet of nearby creek.
- Provide streambank stabilization to prevent soil erosion
- Help meet water quality goals set by the Chesapeake Bay TMDL

\$698,444 was awarded to the Delaware County Soil and Water Conservation District to work with one farm in the Upper Susquehanna Watershed. This project will:

- Implement a livestock heavy-use area runoff management system, which will separate clean water out from the barnyards and prevent runoff from reaching the stream
- Support prescribed grazing practices to improve plant productivity and pasture soil health
- Establish 2.3 acres of forested riparian buffer

\$197,600 was awarded to the Schuyler County Soil and Water Conservation District to work with one farm in the Cohocton River Watershed. This project will:

- Implement a livestock heavy-use area runoff management system, which will separate clean water out from the barnyards and prevent livestock from having direct access to surface water
- Establish 2.5 acres of riparian herbaceous buffer to reduce sediments and nutrients from entering a Class A drinking water source
- Help meet water quality goals set by the Chesapeake Bay TMDL.

\$345,854 was awarded to the Tioga County Soil and Water Conservation District to work with three farms in the Upper Susquehanna River Watersheds. This project will:

- Implement Stream Corridor and Shoreline Management Systems to manage runoff and erosion
- Establish 5.5 acres of forested riparian buffer to reduce nitrogen, phosphorus, and sediment in the stream corridor
- Address goals identified in the Chesapeake Bay TMDL

Central NY

\$568,005 was awarded to the Cayuga County Soil and Water Conservation District to work with five farms in the Owasco and Cayuga Lake Watersheds. This project will:

- Improve soil health by implementing 5,100 acres of cover crops and 133 acres of permanent pasture
- Reduce sediment and nutrient loading to nearby waterways, minimizing the extent of harmful algal blooms in the Finger Lakes region

\$179,935 was awarded to the Cortland County Soil and Water Conservation District to work with one farm in the Trout Brook Watershed, a sub-watershed of the Susquehanna River. This project will:

- Implement a Livestock Heavy-Use Area Management System to provide significant nutrient and sediment reduction
- Help address goals identified in the Chesapeake Bay TMDL

\$333,031 was awarded to the Cortland County Soil and Water Conservation District to work with one farm in the Susquehanna River Watershed. This project will:

- Install a comprehensive water quality management project that includes several best management practice systems including: a Livestock Heavy-Use Area Runoff Management System, Waste Storage and Transfer System, and a Riparian Buffer System
- Improve nutrient management to allow for better use and distribution of nutrients
- Help address goals identified in the Chesapeake Bay TMDL

\$1,041,600 was awarded to the Madison County Soil and Water Conservation District to work with three farms in the Susquehanna River Watershed. This project will:

- Implement two Waste Storage and Transfer Systems, a Livestock Heavy-Use Area Runoff Management System, and a Silage Leachate Runoff Treatment and Collection System
- Target a watershed with a Total Maximum Daily Load
- Improve manure management to allow for the application of nutrients during environmentally suitable conditions
- Reduce the potential risk of surface and ground water contamination

\$474,858 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Upper Unadilla River Watershed: a sub-watershed of the Susquehanna River. This project will:

- Address a high priority watershed identified in the NYS DEC Chesapeake Bay Watershed Implementation Plan
- Reduce nutrient loading into a tributary of the Unadilla River

- Improve manure management, allowing the farm to utilize nutrients more efficiently

\$76,290 was awarded to the Madison County Soil and Water Conservation District to work with six farms in several sub-watersheds of the Susquehanna River. This project will:

- Support the implementation of over 900 acres of cover crops on high-risk fields
- Reduce nitrogen leaching and soil erosion from fields with highly vulnerable soil types

\$128,462 was awarded to the Onondaga County Soil and Water Conservation District to work with two farms in the Oneida Lake Watershed. This project will:

- Implement a Silage Leachate Runoff Control and Treatment System to collect leachate
- Implement 252 acres of Prescribed Rotation Grazing, which will provide significant reductions in nutrient and sediment loss
- Eliminate unrestricted livestock access from a nearby stream

\$81,540 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. This project will:

- Address sediment turbidity concerns in Skaneateles Lake, a public drinking water source
- Implement a series of erosion control practices to reduce sedimentation and allow for continued filtration avoidance
- Reduce risk of Harmful Algal Blooms and address goals listed in the Skaneateles Lake Harmful Algal Bloom Action Plan

\$57,042 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. This project will:

- Improve nutrient management practices for more efficient land application
- Protect a Class AA tributary of Skaneateles Lake
- Reduce risk of Harmful Algal Blooms and address goals listed in the Skaneateles Lake Harmful Algal Bloom Action Plan

\$64,820 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. This project will:

- Promote healthy, stable soils through the expansion of a rotational grazing system
- Reduce risk of Harmful Algal Blooms and address goals listed in the Skaneateles Lake Harmful Algal Bloom Action Plan
- Address water quality concerns in Skaneateles Lake, a public drinking water source

\$449,925 was awarded to the Onondaga County Soil and Water Conservation District to work with seven farms in the Otisco Lake and Onondaga Lake Watersheds. This project will:

- Promote healthy soil and improve soil nutrient retention to decrease nutrient loading into Otisco and Onondaga Lakes
- Implement over 6,000 acres of cover crops on highly erodible farmland over a three-year period
- Encourage other farms within the watershed to adopt similar soil health practices

\$411,522 was awarded to the Oswego County Soil and Water Conservation District to work with one farm in the Big Bay Creek Watershed: a sub-watershed of Oneida Lake. This project will:

- Provide long-term manure storage to address runoff and high-water table concerns
- Reduce nutrient loss to the environment by applying nutrients under optimal conditions

North Country

\$403,030 was awarded to the Clinton County Soil and Water Conservation District to work with one farm in the Lake Champlain Watershed. This project will:

- Address nutrient runoff by installing a manure storage facility
- Improve nutrient management and decrease soil erosion by planting 600 acres of cover crop
- Help meet water quality goals set by the Lake Champlain TMDL

\$333,670 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Develin Brook-Little Salmon River Watershed. This project will:

- Address nutrient runoff by implementing a manure waste storage facility
- Reduce the risk of potential contamination of surface and ground water by allowing for the secondary containment of petroleum products
- Address the number one priority watershed in the Franklin County AEM Strategic Plan

\$342,629 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Whetstone Creek-Black River Watershed. This project will:

- Install a covered barnyard that encompasses a compost bedded pack to reduce nutrient and sediment runoff
- Address nutrient runoff by installing a storage facility
- Assist in the reduction of nutrient and sediment runoff into a Class A waterway

\$417,936 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Stony Creek-Black River Watershed. This project will:

- Address nutrient runoff by installing a manure storage facility
- Install a diversion ditch and drip trenches

- Prevent cattle from crossing an intermittent stream to limit erosion and nutrient loading

\$438,294 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Capidon Creek-Black River Watershed. This project will:

- Improve nutrient management and decrease soil erosion by planting 2,000 acres of cover crop
- Assist in the reduction of nutrient and sediment runoff into a Class A waterway
- Address potential pollutants included in the Black River Nine Element Watershed Plan

Mohawk Valley

\$683,328 was awarded to the Herkimer County Soil and Water Conservation District to work with one farm in the Fulmer Creek and Steele Creek Watersheds. This project will:

- Address nutrient runoff by installing a manure storage facility
- Reduce stress on 596 acres considered as Highly Erodible Land, especially at risk for manure transport during saturated or frozen conditions
- Assist in the reduction of nutrient and sediment runoff into two watersheds listed on the NYS Priority Waterbody List

\$690,429 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Lower Canajoharie Creek Watershed. This project will:

- Expand and improve an existing manure storage facility to reduce nutrient and sediment runoff
- Install a process wash water management system to eliminate significant amounts of processed water from running toward a nearby stream and negatively impacting groundwater
- Assist in the reduction of nutrient and sediment runoff through controlling access and hardening a cattle access route

\$237,846 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Zimmerman Creek-Mohawk River Watershed. This project will:

- Expand and improve a covered barnyard manure storage to improve on-farm nutrient management and reduce runoff
- Reduce nutrient and sediment runoff and erosion by fencing heifers out of an on-farm stream
- Plan a strategic stream crossing in areas that will have less impact to the stream bank, further reducing nutrient and sediment runoff and stream bank erosion

Capital Region

\$235,589 was awarded to the Rensselaer County Soil and Water Conservation District to work with one farm in the Moordenerkill Watershed. This project will:

- Construct two roofed, heavy-use areas to reduce sediment and nutrient runoff
- Mitigate nutrient runoff through a bunk silage runoff separator with a central waste facility and vegetative treatment area

\$289,098 was awarded to the Rensselaer County Soil and Water Conservation District to work with one farm in the Browns Brook-Hoosick River Watershed. This project will:

- Employ twelve strategies that will reduce nutrient and sediment runoff from the farm to the surrounding watershed
- Implement management strategies to reduce nutrient and sediment loading and mitigate erosion
- Address concerns related to an impaired watershed

Mid-Hudson

\$182,674 was awarded to the Orange County Soil and Water Conservation District to work with seven farms in the Lower Hudson Watershed. This project will:

- Implement water management measures that will lead to reduced nutrient loading and erosion
- Mitigate runoff and erosion through the implementation of pond protection strategies, trail restoration and redirection, stream protection strategies, clean water exclusion measures, composting facility, and manure management strategies
- Mitigate potential pollution runoff into the Wallkill River Watershed

\$228,426 was awarded to the Ulster County Soil and Water Conservation District to work with two farms in the Twaalfskill Creek-Hudson River Watershed. This project will:

- Reduce potential nutrient leaching and runoff through the implementation of an agri-chemical handling and storage system
- Construct a windbreak and access road to reduce pesticide drift and soil erosion
- Protect a public source of drinking water

Long Island

\$154,275 was awarded to the Suffolk County Soil and Water Conservation District to work with one farm in the Mecox Bay Watershed. This project will:

- Address potential nutrient and sediment leaching and runoff by implementing a manure storage and transfer facility on the farm
- Implement management strategies to improve nutrient management practices and reduce nutrient loading
- Address concerns related to an impaired watershed