

**Agricultural  
Environmental  
Management**



**Round 25 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**

\$524,172 was awarded to the Allegany County Soil and Water Conservation District to work with three farms in the Genesee River Watershed. This project will:

- Improve surface water quality by excluding livestock access from an impaired stream
- Promote soil health through the implementation of cover crops
- Provide acceptable manure waste storage through the winter months

\$280,688 was awarded to the Allegany County Soil and Water Conservation District to work with three farms in the Caneadea Creek Watershed. This project will:

- Reduce nutrient runoff from farms into the Caneadea Creek watershed and Rushford Lake
- Improve farm management in winter months by providing waste storage to accept manure and feed waste
- Implement three acres of vegetated riparian buffer, which will treat stormwater and maintain the integrity of the stream channel

\$134,450 was awarded to the Allegany County Soil and Water Conservation District to work with one farm in the Genesee River Watershed. This project will:

- Address erosion issues on the farm by implementing best grazing practices
- Install fencing and access control along a vital stream to prevent livestock from impacting water quality
- Implement one acre of forested riparian buffer, which will treat stormwater and maintain the integrity of the stream channel

\$110,025 was awarded to the Allegany County Soil and Water Conservation District to work with two farms in the Angelica Creek Watershed. This project will:

- Improve farm management in the winter months by providing waste storage to accept manure and feed waste
- Implement riparian herbaceous buffer systems along important nearby streams

- Decrease nutrient loading to Angelica Creek and the Genesee River

\$193,325 was awarded to the Chautauqua County Soil and Water Conservation District to work with two farms in the Conewango Creek Watershed. This project will:

- Improve farms' bunk silo waste management and treatment
- Install a roofed barnyard to allow for more efficient manure collection and storage
- Implement fencing, water supply, and animal trails for a livestock exclusion system

\$206,150 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Clymer Pond Watershed and Water District. This project will:

- Reduce nutrient loading into local surface waters
- Improve manure management on the farm
- Protect the local aquifer and drinking water source from excessive nutrients

\$56,471 was awarded to the Chautauqua County Soil and Water Conservation District to work with three farms in the Lake Erie Watershed. This project will:

- Install agrichemical handling and storage systems on each of the farms
- Significantly reduce risk of pollution entering tributaries of Lake Erie
- Improve efficiency of management and operations on the farms

\$421,775 was awarded to the Erie County Soil and Water Conservation District to work with one farm in the Tonawanda Creek Watershed. This project will:

- Improve manure management and storage on the farm
- Minimize nutrients entering Tonawanda Creek
- Help meet water quality goals set by the Lake Erie Management Plan and Nine Element Plan

\$129,435 was awarded to the Erie County Soil and Water Conservation District to work with one farm in the Eighteen Mile Creek Watershed. This project will:

- Provide access control for grazing animals' movement to be kept out of a priority stream
- Install a riparian buffer to abate runoff
- Implement a waste storage and transfer system that will improve management in winter months and reduce manure pile freezing

\$118,914 was awarded to the Niagara County Soil and Water Conservation District to work with six farms in the Johnson Creek and Eighteen Mile Creek Watersheds. This project will:

- Implement over 1,900 acres of cover crops across six farms
- Improve soil health, promote microbial biodiversity, and reduce soil erosion
- Prevent against cropland soil loss and erosion

## **Finger Lakes**

\$865,881 was awarded to the Ontario County Soil and Water Conservation District to work with two farms in the Seneca Lake Watershed. This project will:

- Work with two CAFO farms to implement waste storage to meet operational needs and protect water quality
- Reduce manure transport requirements and minimize risk of excess nutrient loss
- Protect local aquifers and groundwater

\$368,987 was awarded to the Ontario County Soil and Water Conservation District to work with one farm in the Seneca Lake Watershed. This project will:

- Improve manure and bunk silo waste management on the farm
- Install a waste storage that will allow the farm to spread manure at the optimum time
- Protect surface and drinking water for the surrounding community

\$380,177 was awarded to the Seneca County Soil and Water Conservation District to work with two farms in the Cayuga Lake Watershed. This project will:

- Reduce nutrient loading to Cayuga Lake and help prevent the occurrence of Harmful Algal Blooms
- Cover a waste storage facility to help manage stormwater and prevent excess runoff nutrient export
- Protect surface water quality for nearby residents and stakeholders of the lake

\$48,915 was awarded to the Wayne County Soil and Water Conservation District to work with two farms in the tributaries of Lake Ontario. This project will:

- Address issues of erosion and phosphorus export on the farms
- Implement a stormwater control system to reduce erosion during large storm events
- Improve water quality of Lake Ontario and its tributaries

\$46,190 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the tributaries of Lake Ontario. This project will:

- Implement a livestock heavy-use area runoff management system
- Install roofs and gutters to redirect stormwater away from sensitive areas
- Design and construct a concrete pad to reduce soil erosion and compaction from livestock

\$578,335 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Genesee River Watershed. This project will:

- Ensure drinking water quality and lower treatment costs for local municipalities
- Ensure surface water quality of Silver Lake and tributaries
- Provide long-term manure waste storage

\$684,935 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Niagara River Watershed. This project will:

- Support water quality in Lake Erie and Lake Ontario
- Allow a manure spreading schedule that will reduce resource concerns
- Implement a riparian herbaceous buffer and restrict access of livestock from the stream bank

\$61,185 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Cattaraugus Creek Watershed. This project will:

- Protect local waterways and the sole-source aquifer from nutrient input
- Improve silage leachate management and storage on the farm
- Protect nearby waterways with livestock access control and fencing

\$283,060 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 county to implement over 19 agricultural water quality best management practices (BMPs)
- Install stormwater control measures to separate and clean water
- Implement field mulching to improve soil health, lower erosion, and sequester carbon

### **Southern Tier**

\$81,120 was awarded to the Broome County Soil and Water Conservation District to work with three farms in the Chenango River Watershed. This project will:

- Implement best grazing practices to improve surface water quality
- Implement buffers around key tributaries of the Chenango River
- Meet goals of the Chesapeake Bay Total Maximum Daily Load

\$509,102 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:

- Replace a failing silage bunk system with one that will address resource concerns
- Implement a riparian forest buffer to stabilize a local stream bank and reduce nutrient loading to the channel
- Help NYS meet Total Maximum Daily Load nutrient-loading reduction goals for the Chesapeake Bay Watershed

\$454,013 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:

- Address water and freezing issues in an existing barnyard, which will reduce nutrient export and improve herd health
- Restrict animal access to a nearby stream and implement a buffer along the stream banks

- Manage farmstead stormwater and nutrients in accordance with the farm's Certified Nutrient Management Plan

\$601,625 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:

- Effectively manage milk house waste to minimize nutrient loading
- Improve manure storage and spreading operations on the farm
- Establish a riparian buffer on a nearby stream

\$435,094 was awarded to the Tioga County Soil and Water Conservation District to work with one farm in the Upper Susquehanna River Watershed. This project will:

- Address recurring stream bank erosion on pasture land
- Establish a forested buffer along a riparian corridor of the farm
- Manage and control roof runoff water on the farmstead

\$467,645 was awarded to the Tompkins County Soil and Water Conservation District to work with one farm in the Cayuga Lake Watershed. This project will:

- Reduce agricultural non-point source nutrient loading
- Improve management of milk house waste and operations
- Replace a failing storage structure to support water quality

## **Central NY**

\$238,780 was awarded to the Cayuga County Soil and Water Conservation District to work with one farm in the Cayuga Lake Watershed. This project will:

- Implement total silage leachate collection to protect surface and groundwater resources
- Demonstrate the success of Agricultural Environmental Management (AEM) planning and best management practice implementation to other area farms
- Reduce nutrient loading into the Cayuga Lake Watershed

\$1,745,580 was awarded to the Cayuga County Soil and Water Conservation District to work with one farm in the Owasco and Cayuga Lake Watersheds. This project will:

- Improve nutrient management on the farm through installation of a Nutrient Recovery System
- Allow the farm to achieve Certified Nutrient Management Plan goals by significantly reducing nutrient loads of spread manure
- Increase farm nutrient management flexibility in challenging weather

\$371,087 was awarded to the Cayuga County Soil and Water Conservation District to work with eight farms in the Owasco and Cayuga Lake Watersheds. This project will:

- Implement over 5,000 acres of cover crops on farms in the watersheds
- Effectively manage cropland runoff
- Support residue and tillage management plans on farms

\$268,054 was awarded to the Cortland County Soil and Water Conservation District to work with two farms in the Upper Susquehanna River Watershed. This project will:

- Help meet nutrient and sediment reduction goals of the Chesapeake Bay Total Maximum Daily Load
- Implement a grazing plan and access control along a vital stream
- Install roofs and covers over animal barnyards to reduce nutrient loading during rainfall events

\$419,525 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Oneida Lake Watershed. This project will:

- Redesign a silage leachate treatment system to prevent excess nutrients from entering a stream
- Manage stormwater on the farmstead
- Protect surface and drinking water

\$295,005 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Oneida Lake Watershed. This project will:

- Implement livestock heavy-use area runoff management systems, which will separate clean water out from the barnyards
- Stabilize a stream shoreline and implement an herbaceous buffer along the banks
- Control runoff and sediment on the landscape with a stormwater control basin

\$603,011 was awarded to the Madison County Soil and Water Conservation District to work with four farms in the Chenango River Watershed. This project will:

- Provide an improved barnyard heavy-use area system that will restrict milking cows from a stream
- Install a waste storage that will improve nutrient and waste management during times of heavy precipitation
- Manage silage leachate and stormwater in an effective way

\$28,920 was awarded to the Onondaga County Soil and Water Conservation District to work with two farms in the Skaneateles Lake Watershed. This project will:

- Protect drinking water for the City of Syracuse
- Help maintain an oligotrophic state in the lake
- Support mulching operations in a vineyard, which will improve soil condition and health

\$324,018 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Otisco Lake Watershed. This project will:

- Implement a waste storage system on the farm, which will increase storage capacity and reduce nutrient loading
- Improve water quality of Otisco Lake
- Reduce risk of Harmful Algal Blooms

\$273,925 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Otisco Lake Watershed. This project will:

- Improve surface and drinking water quality of Otisco Lake through reduction of non-point source nutrients
- Upgrade an existing satellite storage to provide manure capacity and proper management
- Protect against Harmful Algal Blooms by decreasing nitrogen, phosphorus, and sediment entering Otisco and Onondaga Lakes

### **North Country**

\$108,866 was awarded to the Clinton County Soil and Water Conservation District to work with one farm in the Lake Champlain Watershed. This project will:

- Reduce nutrient loading to Lake Champlain, which will help decrease potential of Harmful Algal Blooms
- Contain and manage silage runoff
- Manage stormwater on the farmstead to prevent excess runoff and export of nutrients

\$28,912 was awarded to the Franklin County Soil and Water Conservation District to work with two farms in the Salmon and Chateaugay Watersheds. This project will:

- Implement over 300 acres of cover crops
- Support soil health and a diverse soil microbial community
- Reduce erosion and soil loss on cropland

\$197,805 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Salmon River Watershed. This project will:

- Eliminate leachate and ensure clean water
- Improve silage management, treatment, and collection on the farm
- Treat silage leachate with a waste separation facility and vegetated treatment area

\$107,800 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Black River Watershed. This project will:

- Mitigate nutrient loading into the Black River and Lake Ontario
- Improve surface water quality and fish and waterfowl habitat
- Help the farm meet goals of nutrient management set out by the AEM plan

\$172,968 was awarded to the Lewis County Soil and Water Conservation District to work with five farms in the Black River Watershed. This project will:

- Implement over 980 acres of cover crops on five farms
- Improve the soil health of Lewis County
- Improve production and productivity of farm fields

## **Mohawk Valley**

\$129,892 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Canajoharie Creek Watershed. This project will:

- Construct a manure waste storage
- Implement livestock access control for grazing cattle
- Manage stormwater from an area heavily used by livestock and reduce nutrient loading from runoff

\$244,389 was awarded to the Montgomery Soil and Water Conservation District to work with one farm in the Cayadutta Creek Watershed. This project will:

- Implement three best management practice systems to improve the management of agricultural waste
- Address goals identified in the Draft Mohawk River Action Agenda

\$320,157 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Schoharie Creek Watershed. This project will:

- Implement a waste storage and transfer system and silage leachate control system on the farm
- Help farm meet goals set out in AEM Certified Nutrient Management Plan
- Prevent silage leachate runoff from leaving the farmstead

\$914,268 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Cobleskill Creek Watershed. This project will:

- Reduce nutrient loading to the Mohawk River Watershed
- Restrict livestock access to a stream and provide a point of crossing
- Provide covered storage for manure

## **Capital Region**

\$81,800 was awarded to the Washington County Soil and Water Conservation District to work with one farm in the Lake Champlain and Hudson River Watersheds. This project will:

- Implement a silage leachate control and treatment system capable of treating both high and low flow events
- Reduce nutrients to two impaired major water bodies
- Lower risk of Harmful Algal Blooms in Lake Champlain

\$904,000 was awarded to the Washington County Soil and Water Conservation District to work with one farm in the Hudson River and Lake Champlain Watersheds. This project will:

- Reduce phosphorus loading to Lake Champlain and minimize risk of future Harmful Algal Blooms



- Address resource concerns identified by the farm's Certified Nutrient Management Plan
- Manage manure and milk house waste in a way that is sustainable and minimizes agricultural impacts

### **Mid-Hudson**

\$453,318 was awarded to the Dutchess County Soil and Water Conservation District to work with one farm in the Hudson River Watershed. This project will:

- Construct a roof structure over an existing bunk silo to redirect stormwater
- Collect and store bunk silage leachate
- Reduce nutrient loading to the Hudson River