

**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 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 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 Crusoe/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 nutrient pollution from a concentrated area and reduce the impact of agriculture on 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 non-point source pollution from the agricultural community, specifically sediments and nutrients
- Implement 3 acres of riparian herbaceous buffer to protect surface waterbodies
- Protect a source 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 sediment and nutrient 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 contaminated 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 Schuylers 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 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 utilize nutrients more efficiently

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

- Support the implementation 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 6000 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 agricultural 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 agricultural nutrient runoff by implementing a manure waste storage facility
- Reduce contamination of surface and ground water by allowing for the secondary containment of petroleum products should there be a spill
- 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 agricultural nutrient runoff by installing a storage facility
- Assist in the reduction of nutrient and sediment runoff into a class A waterway supporting drinking water use for approximately 65,000 people

\$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 agricultural nutrient runoff by installing a manure storage facility
- Installation of a diversion ditch and drip trenches to divert clean water from mixing with animal waste and reduce erosion

- 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 supporting drinking water use for approximately 65,000 people
- Address 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 agricultural 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 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 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
- Strategic stream crossing will be planned 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
- Implementation of this proposal will assist the District in addressing water quality issues in the County AEM planning priority unit 2

\$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:

- All seven farms included in the project will implement water management measures that will lead to reduced nutrient loading and erosion
- Strategies to mitigate runoff and erosion include the implementation of pond protection strategies, trail restoration and redirection, stream protection strategies, clean water exclusion measures, composting facility, and manure management strategies
- Implementation of this proposal will continue the District's efforts to comprehensively mitigate pollution runoff into the Walkkill 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 nutrient leaching and runoff through the implementation of an agricultural chemical handling and storage system
- Construct a windbreak and access road to reduce pesticide drift and soil erosion
- Aid in protecting 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 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

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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

\$250,950 was awarded to the Allegany County Soil and Water Conservation District to work with two farms in the Genesee River Watershed. This project will:

- Improve local drinking water quality by addressing watering issues of large animal concentrations near the source intake.
- Create bedded pack barns for cows to be housed during winter months.
- Store solid manure of cattle to spread during dry weather.

\$402,600 was awarded to the Cattaraugus County Soil and Water Conservation District to work with two farms in the Conewango Creek Watershed. This project will:

- Reduce runoff and groundwater problems in the Davis Brook and Conewango Creek by addressing high nutrient loading areas of the farmstead and surrounding area.
- Update the farm's waste storage capabilities to meet required standards and close outdated existing storages.
- Establish a riparian herbaceous buffer along Davis Brook to collect incoming nutrients and sediment from the farmstead.
- Repair and update an existing treatment system to better manage silage leachate and meet regulatory standards.

\$592,124 was awarded to the Niagara County Soil and Water Conservation District to work with one farm in the Tonawanda Creek Watersheds. This project will:

- Improve manure management and storage on the farm
- Implement a riparian forested buffer and filter strip on active cropland to intercept surface runoff
- Reduce non-point source pollution on over 500 acres of farmland

Finger Lakes

\$746,378 was awarded to the Cayuga County Soil and Water Conservation District to work with thirteen farms in the Finger Lakes Watershed. This project will:

- Support efforts across Tompkins and Cayuga counties to implement nearly 14,000 acres of cover crops.
- Improve soil health and yield on cultivated fields by retaining organic carbon with cover crops.
- Reduce risk for erosion and runoff on cultivated fields.

\$768,398 was awarded to the Cayuga County Soil and Water Conservation District to work with sixteen farms in the Finger Lakes Watershed. This project will:

- Support efforts across Seneca and Cayuga counties to implement over 14,000 acres of cover crops.
- Improve soil health and yield on cultivated fields by retaining organic carbon with cover crops.
- Reduce risk for erosion and runoff on cultivated fields.

\$264,248 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Lake Ontario Watershed. This project will:

- Construct a concrete manure storage facility to improve waste collection and management.
- Assist in a sustainable manure spreading in a landscape susceptible to high rates of runoff and water pollution.
- Help the farm meet the goals recently set by their voluntary CNMP.

\$70,000 was awarded to the Livingston County Soil and Water Conservation District to work with one farm in the Genesee River Watershed. This project will:

- Upgrade and enlarge an existing silage leachate storage tank to better accommodate the volume.
- Prevent groundwater infiltration of excess nutrients by using an impermeable liner.
- Foster environmental stewardship in the Genesee River Watershed.

\$282,934 was awarded to the Orleans County Soil and Water Conservation District to work with six 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 4700 acres of cover crops throughout the watershed
- Reduce excessive runoff of nutrients and soil erosion to positively impact water quality

\$324,951 was awarded to the Orleans County Soil and Water Conservation District to work with five farms in the Oak Orchard Creek and Sandy Creek Watersheds. This project will:

- Support the county's agricultural industry by assisting with environmental stewardship projects
- Implement agrichemical handling facilities to encourage safe storage and provide spill protection
- Protect active sources of public drinking water

\$478,435 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Genesee River Watershed. This Project will:

- Provide additional waste storage to allow for the application of manure nutrients when the risk of runoff is low
- Implement a riparian forest buffer adjacent to a recognized trout stream
- Encourage other farms in the area to utilize buffers as a best management practice for protecting water quality

\$544,685 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Cattaraugus Creek Watershed. This project will:

- Support water quality in greater Lake Erie watershed
- Provide additional waste storage to accommodate multiple waste streams and allow for the application of manure nutrients when the risk of runoff is low
- Implement a riparian herbaceous buffer and restrict access of livestock from a designated trout stream

\$536,290 was awarded to the Yates County Soil and Water Conservation District to work with eight farms in the Seneca Lake Watershed. This project will:

- Work with landowners across the county to implement 18 agricultural water quality Best Management Practices Systems
- Install stormwater control measures to separate and clean water from the farmsteads
- Implement over 5.5 acres of riparian herbaceous buffer to protect surface waterbodies

Southern Tier

\$442,760 was awarded to the Broome County Soil and Water Conservation District to work with one farm in the Upper Susquehanna River Watershed. This project will:

- Support construction of a waste storage facility that provides an additional five months of storage time for the farm and allows manure spreading in drier weather.
- Furthers the farm nutrient plan in a landscape that is susceptible to erosion and concentrated runoff flow.
- Reduce the potential for groundwater/surface contamination in a Sole Source Aquifer.

\$940,539 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:

- Construct two waste storage facilities that will improve manure management for the farm and reduce spreading in winter.
- Establish a forested riparian buffer along 950 feet of nearby Gay Creek.
- Help meet water quality goals set by the Upper Susquehanna TMDL.

\$682,580 was awarded to the Delaware County Soil and Water Conservation District to work with one farm in the Upper Susquehanna Watershed. This project will:

- Address issues with leachate freely running of bunk silos during rain events by collecting and diverting the target pollutant into a concrete storage facility.
- Reduce erosion and sediment loading into the nearby Treadwell Creek by implementing a forested riparian buffer along 210 feet of bank.
- Construct a storage facility to increase capacity and promote sustainable manure application timings as part of the farm's nutrient management plan.

\$421,906 was awarded to the Delaware County Soil and Water Conservation District to work with one farm in the Upper Susquehanna Watershed. This project will:

- Improve water quality in the Kortright Creek by reducing the amount of nutrients entering the waterbody through manure spreading in wet weather.
- Construct a concrete in-ground manure storage facility that would increase holding capacity of manure for the farm and reduce excess nutrient runoff
- Divert clean stormwater around the waste storage facility with the construction of a new drainage ditch.

\$921,893 was awarded to the Delaware County Soil and Water Conservation District to work with one farm in the Delaware River Watershed. This project will:

- Install a roofed concrete pad for heavy use area protection to prevent excess waste from cattle from being washed away during rain events.
- Fence off a nearby spring from cattle watering and install separate watering facilities.
- Establish 0.4 acres of forested riparian buffer along a tributary of the east branch of the Delaware River.

\$122,545 was awarded to the Schuyler County Soil and Water Conservation District to work with two farms in the Seneca Lake Watershed. This project will:

- Implement agrichemical handling facilities to encourage safe storage and provide spill protection
- Plant approximately 1.3 acres of riparian herbaceous buffer and 2.5 acres of riparian forest buffer to reduce sediment and nutrient loading to Seneca Lake
- Address sediment erosion from diversions flowing directly to Seneca Lake, a source of public drinking water

\$61,409 was awarded to the Schuyler County Soil and Water Conservation District to work with one farm in the Cayuga Lake Watershed. This project will:

- Exclude all livestock from surface waterbodies and plant 1.6 acres of riparian herbaceous buffer
- Provide for a livestock heavy use area to keep clean water clean and reduce farmstead runoff
- Support the reduction of sediment and nutrient runoff to tributaries of Cayuga Lake

\$196,200 was awarded to the Schuyler County Soil and Water Conservation District to work with three farms in the Chemung River Watershed. This project will:

- Implement high priority projects in Chemung and Schuyler counties and assist in meeting the goals defined in the Chesapeake Bay TMDL
- Exclude livestock from surface waterbodies and address sediment and nutrient loading issues
- Plant approximately 5 acres of riparian herbaceous buffer and 9 acres of riparian forest buffer

\$21,356 was awarded to the Tioga County Soil and Water Conservation District to work with two farms in the Owego Creek and Upper Susquehanna River Watersheds. This project will:

- Implement over 250 acres of cover crops to reduce cropland erosion and soil runoff
- Improve overall soil health by increasing water infiltration, increasing organic matter, encouraging healthy soil biota
- Address goals identified in the Chesapeake Bay TMDL

Central NY

\$641,200 was awarded to the Madison County Soil and Water Conservation District to work with three farms in the Chenango River and Chesapeake Bay Watersheds. This project will:

- Install waste storages to improve nutrient and waste management during times of inclement weather
- Manage stormwater on the farmstead
- Improve the silage leachate collection system to management stormwater in an effective way

\$213,438 was awarded to the Madison County Soil and Water Conservation District to work with four farms in the Upper Tioughnioga River and Chesapeake Bay Watersheds. This project will:

- Implement Best Management Practice Systems in both Madison and Onondaga counties
- Implement livestock heavy use area runoff management systems which will separate clean water out from the barnyards

- Provide enhanced manure management strategies to protect groundwater resources
- Provide for the implementation of rotational grazing and improved stream crossings

\$224,135 was awarded to the Madison County Soil and Water Conservation District to work with four farms in the Upper Tioungnioga River, Chenango River, and Chesapeake Bay Watersheds. This project will:

- Implement prescribed rotational grazing systems on over 60 acres of agricultural land
- Facilitate increased forage cover, improve nutrient transfer, increase species diversity and biological soil health
- Create approximately 12 acres of riparian herbaceous buffer and limit livestock access to streams

\$220,156 was awarded to the Madison County Soil and Water Conservation District to work with nine farms in the Chesapeake Bay Watershed. This project will:

- Implement approximately 4900 acres of cover crops over three years
- Address fields with highly erodible soils to reduce soil loss and nitrogen leaching
- Pilot no-till planting strategies to further improve soil health and reduce farm emissions

\$388,489 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. This project will:

- Protect drinking water for the City of Syracuse
- Implement a waste storage system on the farm which will increase storage capacity and reduce nutrient loading
- Support improved manure management to increase nutrient recycling and reduce the need for fertilizer application

\$61,630 was awarded to the Onondaga County Soil and Water Conservation District to work with three farms in the Skaneateles Lake Watershed. This project will:

- Implement rotational grazing and erosion control practices to reduce nutrient and sediment loss
- Support the implementation of 510 acres of cover crops on high risk fields
- Reduce risk of Harmful Algal Blooms and address goals listed in the Skaneateles Lake Harmful Algal Bloom Action Plan

\$115,200 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. This project will:

- Stabilize approximately 800 feet of a Class AA tributary of Skaneateles Lake.
- Reduce stream turbidity to continue the filtration avoidance of the drinking water for the City of Syracuse

- Re-establish a riparian forest buffer along the channel to slow the water, reduce soil erosion, and decrease nutrient and sediment loading into the lake

\$111,810 was awarded to the Onondaga County Soil and Water Conservation District to work with eight 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 2000 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

North Country

\$151,068 was awarded to the Essex County Soil and Water Conservation District to work with one farm in the Lake Champlain Watershed. This project will:

- Improve water quality in nearby waterways by managing sediment in runoff from the farmstead via redirection into water and sediment control basins.
- Reduce excess nutrients from exiting the farmstead by creation and use of a vegetated treatment area.
- Construct a waste storage facility to make the management and spreading of manure easier for the farm.

\$100,425 was awarded to the Essex County Soil and Water Conservation District to work with one farm in the Lake Champlain Watershed. This project will:

- Reduce sediment and nutrient loading to a nearby unnamed tributary to Lake Champlain.
- Construct a heavy use area runoff management system to collect and redirect polluted runoff.
- Establish a vegetated area to treat stormwater with high nutrient concentrations.

\$87,805 was awarded to the Essex County Soil and Water Conservation District to work with two farms in the Lake Champlain Watershed. This project will:

- Reduce sediment pollution by installing a concrete animal trail/walkway in a high traffic area of a farmstead.
- Install roof gutters to direct clean stormwater away from intensively used areas of the livestock farms.
- Construct a concrete pad on a farm, making it easier to scrape and remove excess manure.

\$49,915 was awarded to the Franklin County Soil and Water Conservation District to work with two farms in the St. Lawrence River Watershed. This project will:

- Utilize equipment purchased by the District to support soil health across the county and implement 750 acres of cover crop.
- Reduce tillage and water pollution while educating farmers on no-till and cover crop benefits.
- Work cooperatively with farmers to apply the correct type of cover crops for their farms.

\$209,700 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Black River Watershed. This project will:

- Construct a satellite manure waste storage, better accommodating the number of animals on the farm.
- Contribute towards meeting the goals of the District AEM Strategic Plan and Black River 9E Plan.
- Enable the farm to spread manure more sustainably during dry weather.

\$250,950 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Black River Watershed. This project will:

- Treat the farm's milking center waste by redirecting the flow and incorporating it into the sustainable manure spreading plan.
- Construct a concrete livestock heavy use area to store heifers and dry cows during summer months.
- Support local drinking water by eliminating process water discharge of into groundwater.

\$503,419 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Black River Watershed. This project will:

- Address resource concerns from silage leachate entering a roadside ditch near the bunk silos on the farm.
- Construct a concrete manure storage facility that will accept wastewater and provide additional manure storage for the farm.
- Minimize nutrient pollution in a landscape that is especially susceptible to groundwater infiltration.

\$6,900 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Finger Lakes Watershed. This project will:

- Develop a Comprehensive Nutrient Management Plan (CNMP) on a cow/beef operation.
- Plan sustainable practices of managing nutrients that also fits with the farm's economic plan.
- Foster environmental stewardship in the Finger Lakes Watershed.

\$273,665 was awarded to the St. Lawrence County Soil and Water Conservation District to work with one farm in the Grass River Watershed. This project will:

- Expand the farms manure storage capacity to allow for improved manure management
- Allow for improved timing and application of manure to reduce the potential of nutrient loss

Mohawk Valley

\$631,879 was awarded to the Herkimer County Soil and Water Conservation District to work with one farm in the Mohawk River Watershed. This project will:

- Construct a concrete manure storage, waste transfer components, and a covered laneway on the farmstead.
- Support the health of the local drinking water source by reducing the amount of nutrients infiltrating the groundwater.
- Contribute towards meeting the goals of the District AEM Strategic Plan and Mohawk River Coalition.

\$361,526 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Canajoharie Creek Watershed. This project will:

- Implement six best management practices systems to address multiple aspects of the farm operations
- Manage livestock stream access for grazing cattle and implement 1.2 acres of riparian herbaceous cover
- Install streambank stabilization practices to address an estimated soil loss of 400 cubic yards per year

\$108,956.00 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Schoharie Creek Watershed. This project will:

- Install a roofed barnyard to allow for more efficient manure collection and storage
- Install fencing and access control along 800 feet of a vital stream to prevent livestock from degrading water quality
- Address goals identified in the Mohawk River Watershed Management Plan to protect and restore natural hydrology

Capital Region

\$441,950 was awarded to the Albany County Soil and Water Conservation District to work with one farm in the Upper Hudson River Watershed. This project will:

- Support the surface water quality of Basic Creek, known for sediment and nutrient loading, through agricultural BMP implementation.
- Implement a riparian forest buffer and livestock access control to protect stream's ecological health from nearby farming.
- Effectively treat upstream sediment pollution from a livestock heavy use area.

\$219,310 was awarded to the Albany County Soil and Water Conservation District to work with one farm in the Upper Hudson River Watershed. This project will:

- Reduce manure spreading on steep slope fields during times of the year where runoff risk is high through construction of a waste storage facility and transfer system.
- Prevent high nutrient concentration leachate and stormwater runoff from entering nearby waterways and wetlands.
- Support the farm's commitment to a CNMP and AEM environmental plan.

\$172,000 was awarded to the Washington County Soil and Water Conservation District to work with one farm in the Wood Creek - Lake Champlain Watershed. This project will:

- Improve nutrient management and eliminate daily manure spreading
- Allow for the application of nutrients at the right rate, right time, and right place
- Address goals identified in the Lake Champlain TMDL

Long Island

\$204,675 was awarded to the Suffolk County Soil and Water Conservation District to work with twenty-six farms to address the Nassau Suffolk Sole Source Aquifer and Peconic Estuary. This project will:

- Replace thirty-eight petroleum product storage facilities to safely contain approximately 17,000 gallons of petroleum
- Aid in protecting a drinking water supply that serves over two million people

\$136,950 was awarded to the Suffolk County Soil and Water Conservation District to work with one farm to address the Peconic Estuary and the Long Island Sole Source Aquifer. This project will:

- Improve the efficiency of an existing anaerobic digester system
- Aid in protecting a drinking water supply that serves over two million people

**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

C012155 - \$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 implementation of cover crops
- Provide acceptable manure waste storage through winter months

C012158 - \$280,688.00 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 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

C012157 - \$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 degrading water quality
- Implement one acre of forested riparian buffer which will treat stormwater and maintain the integrity of the stream channel

C012156 - \$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 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

C012165 - \$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

C012163 - \$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

C012164 - \$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

C012172 - \$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

C012173 - \$129,435 was awarded to the Erie County Soil and Water Conservation District to work with one farm in the Eighteenmile 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 polluted runoff
- Implement a waste storage and transfer system that will improve management in winter months and reduce manure pile freezing

C012184 - \$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

C012189 - \$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 enough waste storage to meet operational needs and protect water quality
- Reduce manure transport requirements of farms and minimize risk of excess nutrient loss
- Protect local aquifers and groundwater from input of agricultural non-point source pollution

C012188 - \$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

C012191 - \$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

T012196 - \$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 tributaries

T012197 - \$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

C012198 - \$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:

- Improve drinking water quality and lower treatment costs for local municipalities
- Improve surface water quality of Silver Lake and tributaries
- Provide long-term manure waste storage where there is otherwise none

C012200 - \$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

C012199 - \$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 from degradation with livestock access control and fencing

C012201 - \$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 nineteen agricultural water quality BMPs
- Install stormwater control measures to separate and clean water from the farmsteads
- Implement field mulching to improve soil health, lower erosion, and sequester carbon

Southern Tier

C012159 - \$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 TMDL

C012170 - \$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 meets TMDL nutrient loading reduction goals for the Chesapeake Bay Watershed

C012168 - \$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 lead to reduce nutrient export and improved 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 CNMP

C012169 - \$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 be a minimal source of nutrient loading
- Improve manure storage and spreading operations on the farm
- Establish a riparian buffer on a nearby stream

C012192 - \$435,094 was awarded to the Tioga County Soil and Water Conservation District to work with one farm in the Upper Susquehanna River Watershed. His project will:

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

C012193 - \$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 from the farmstead
- Improve management of milk house waste and operations
- Replace a failing storage structure that is currently a water quality resource concern

Central NY

C012160 - \$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 prevent potentially harmful leachate from contaminating surface and groundwater resources
- Demonstrate the success of AEM planning and best management practice implementation to other area farms
- Reduce nutrient and pathogen loading into the Cayuga Lake Watershed

C012161 - \$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 CNMP goals by significantly reducing nutrient loads of spread manure
- Increase farm nutrient management flexibility in challenging weather

C012162 - \$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

C012167 - \$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 TMDL
- 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

C012180 - \$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
- Help protect surface and drinking water for residents of the county

C012179 - \$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

C012178 - \$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

T012187 - \$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

C012185 - \$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

C012186 - \$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 enough manure capacity and proper management
- Protect against Harmful Algal Blooms by decreasing nitrogen, phosphorus, and sediment entering Otisco and Onondaga Lakes

North Country

C012166 - \$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 chances of Harmful Algal Blooms
- Contain and manage silage before it runs off into nearby waterways
- Manage stormwater on the farmstead to prevent excess runoff and export of nutrients

T012174 - \$28,912 was awarded to the Franklin County Soil and Water Conservation District to work with two farms in the Salmon and Chateagay 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

C012175 - \$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 from entering an existing ditch and contaminating clean water
- Improve silage management, treatment, and collection on the farm
- Treat silage leachate with a waste separation facility and vegetated treatment area

C012176 - \$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

C012177 - \$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

C012181 - \$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

C012183 - \$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

C012182 - \$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 farms meet goals set out in AEM CNMP
- Prevent contaminated runoff from silage leachate from leaving the farmstead

C012190 - \$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

C012194 - \$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

C012195 - \$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 CNMP
- Manage manure and milk house waste in a way that is sustainable and minimizes agricultural non-point source pollution

Mid-Hudson

C012171 - \$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 and direct stormwater away
- Collect and store bunk silage leachate
- Reduce nutrient loading to the Hudson River

**Agricultural
Environmental
Management**



**Round 24 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

\$122,100 was awarded to the Allegany County Soil and Water Conservation District to work with two farms in the Wiscoy Creek Watershed. The project will:

- Reduce nutrient and sediment loading within the watershed
- Improve manure management on two farm facilities
- Control livestock access to the stream with exclusionary fence and access control

\$572,204 was awarded to the Cattaraugus County Soil and Water Conservation District to work with one farm in the Cattaraugus Creek Watershed. The project will:

- Reduce agricultural runoff and improve manure management
- Implement a Riparian Buffer for additional water quality protection

\$779,900 was awarded to the Cattaraugus County Soil and Water Conservation District to work with three farms in the Conewango Creek Watershed. The project will:

- Significantly reduce the impact of agricultural runoff on surface and groundwater
- Improve agricultural waste management
- Establish Riparian Buffers in sensitive areas to help reduce sediment and phosphorus runoff.

\$156,255 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Clymer Water District which includes Hulbert/Clymer Pond. The project will:

- Reduce phosphorus and nitrogen inputs to the Clymer Aquifer and surface water resources
- Improve agricultural waste management
- Implement a riparian herbaceous buffer to filter nutrients and sediment from livestock pasture

\$809,370 was awarded to the Chautauqua County Soil and Water Conservation District to work with two farms in the Conewango Creek Watershed. The project will:

- Improve manure management on two farm facilities
- Implement Riparian Buffers on several crop fields to help reduce sediment and phosphorus runoff
- Reduce sediment and phosphorus inputs into Conewango Creek, an important warm water fishery

\$298,380 was awarded to the Erie County Soil and Water Conservation District to work with one farm in the Sevens Creek and Cattaraugus Creek Watersheds. The project will:

- Provide technical and financial assistance for the control and abatement of sources of agricultural pollution
- Improve nutrient management and eliminate manure application during adverse weather conditions

Finger Lakes

\$171,750 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Genesee River and Upper Tonawanda Creek Watersheds. The project will:

- Provide additional waste storage capacity to eliminate the need to spread in sensitive environmental conditions
- Provide the farm the ability to distribute nutrients more evenly onto fields

\$259,270 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Upper Oak Orchard Creek Watershed. The project will:

- Implement a best management practice system to manage uncontrolled runoff from a barnyard area
- Prevent clean water from becoming contaminated with nutrients
- Reduce phosphorus inputs to the watershed

\$509,794 was awarded to the Genesee County Soil and Water Conservation District to work with two farms in the Oak Orchard and Twelvemile Creek Watersheds. The project will:

- Address two high priority watersheds within Genesee County
- Improve nutrient management on both farms and eliminate manure application during adverse weather conditions

\$152,555 was awarded to the Ontario County Soil and Water Conservation District to work with five farms in the Mud Creek Watershed a sub-watershed of the Oswego River Basin. The project will:

- Help meet the goals of the Lake Ontario Watershed Lakeside Action and Management Plan
- Address 600 acres of cropland experiencing sediment erosion

- Implement structural control practices to effectively store and release stormwater resulting in a total soil saving of 1500 tons per year

\$114,386 was awarded to the Orleans County Soil and Water Conservation District to work with three farms in the Johnson Creek and Sandy Creek Watersheds, sub-watersheds of Lake Ontario. The project will:

- Implement best management practices that will reduce pesticide runoff
- Promote safe agrichemical handling practices

\$92,547 was awarded to the Orleans County Soil and Water Conservation District to work with one farm in the Oak Orchard Creek Watershed. The project will:

- Address water quality concerns in the Greater Lake Ontario watershed
- Implement practices that will eliminate runoff of nutrients, sediments, and other pollutants
- Facilitate improved nutrient management

\$372,704 was awarded to the Orleans County Soil and Water Conservation District to work with one farm in the Oak Orchard Creek Watershed. The project will:

- Address water quality concerns in a high priority watershed
- Facilitate improved nutrient management and eliminate manure application during adverse weather conditions

\$254,480 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Salmon Creek Watershed. The project will:

- Implement four best management practice systems that will eliminate runoff of nutrients, sediments, and other pollutants
- Facilitate improved nutrient management
- Support the County's agricultural industry

\$72,720 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Wolcott Creek Watershed. The project will:

- Provide protection to groundwater resources used for drinking water
- Facilitate improved nutrient management and eliminate manure application during adverse weather conditions
- Eliminate direct livestock access to surface waterbodies

\$99,120 was awarded to the Wayne County Soil and Water Conservation District to work with one farm in the Lower Seneca River Watershed. The project will:

- Improve water quality through improved nutrient management and erosion control
- Address water quality concerns in the Greater Lake Ontario watershed
- Enhance soil health through the implementation of Cover Crops on 140 acres of cropland

\$63,731 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the East Koy/Wiscoy Creek Watershed. The project will:

- Address sediment, erosion, and nutrient issues to improve water quality
- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a Riparian Forest Buffer

\$168,940 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Buffalo Creek watershed. The project will:

- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a Riparian Buffer
- Provide streambank stabilization to reduce erosion and sediment inputs into the stream

\$681,530 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the Oatka Creek watershed, a sub-watershed of the Genesee River. The project will:

- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a Riparian Buffer
- Reduce nutrient and sediment runoff from agricultural lands in a high priority watershed

Southern Tier

\$61,370 was awarded to the Tioga County Soil and Water Conservation District to work with one farm in the Pipe Creek watershed. The project will:

- Exclude livestock from all riparian and wetland areas on the farmland
- Implement a prescribed rotational grazing plan
- Improve soil health and reduce erosion from heavily used areas

\$572,805 was awarded to the Tompkins County Soil and Water Conservation District to work with one farm in the Owasco watershed. The project will:

- Greatly reduce nutrient leaching and runoff from production fields and facilitate improved nutrient management
- Assist in mitigating local water quality concerns, as well as, address goals established in the Owasco Lake Harmful Algal Bloom Action Plan

Central NY

\$317,487 was awarded to the Cayuga County Soil and Water Conservation District to work with three farms in the Salmon Creek/Cayuga Lake Watershed. The project will:

- Reduce phosphorus, nitrogen, and pathogen loading to the watershed including surface and ground water resources

- Provide for improved nutrient management and allow for appropriate land application of manure
- Maintain the county's acreage in agriculture, as well as, the economic viability of the farms.

\$75,560 was awarded to the Cortland County Soil and Water Conservation District to work with four farms in the Tioughnioga River Watershed. The project will:

- Develop and implement comprehensive nutrient management plans for each participating farm
- The plans will help address nutrient and sediment impacts from agricultural sources
- Assist in meeting goals identified in the Susquehanna River total maximum daily load (TMDL)

\$531,328 was awarded to the Cortland County Soil and Water Conservation District to work with one farm in the Tioughnioga River Watershed. The project will:

- Implement conservation practices to benefit local natural resources while maintaining the economic viability of the farm
- Facilitate improved manure management and nutrient reduction in the watershed
- Implement approximately 1.3 acres of Riparian Forest Buffer the stream
- Demonstrate the water quality benefits of implementing best management practice systems to other farmers and local citizens

\$205,445 was awarded to the Madison County Soil and Water Conservation District to work with five farms in the Unadilla River Watershed which is connected to the Chesapeake Bay Watershed. The project will:

- Implement prescribed rotational grazing practices on all farms
- Protect water quality and enhance the farms profitability
- Implement over 30 acres of riparian buffers to filter nutrients and sediment

\$578,650 was awarded to the Madison County Soil and Water Conservation District to work with three farms in the Upper Chenango River Watershed which is connected to the Chesapeake Bay Watershed. The project will:

- Implement manure storages to eliminate winter spreading
- Facilitate improved manure management and treatment of runoff
- Address goals identified in the Chesapeake Bay Total Maximum Daily Load (TMDL)

\$371,100 was awarded to the Madison County Soil and Water Conservation District to work with one farm in the Otselic River Watershed, the headwaters of the Chesapeake Bay Watershed. The project will:

- Address goals identified in the Chesapeake Bay Total Maximum Daily Load (TMDL)
- Reduce nutrient runoff through improved agricultural waste management
- Establish a riparian herbaceous buffer to reduce nutrient loss into the watershed

\$331,650 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Oneida Lake Watershed. The project will:

- Improve manure management on the farms and increase storage capacity to eliminate winter spreading
- Implement approximately 2 acres of riparian herbaceous buffer to reduce and sediment nutrient loss

\$130,045 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles Lake Watershed. The project will:

- Strive to reduce nutrient, pathogen, and sediment loads flowing into the lake and protect the drinking water supply for the City of Syracuse
- Implement total silage leachate collection to prevent potentially harmful leachate from contaminating surface and groundwater resources
- Address concerns regarding harmful algal blooms within the lake

\$204,087 was awarded to the Onondaga County Soil and Water Conservation District to work with four farms in the Oneida Lake Watershed. The project will:

- Implement 4 Best Management Practice Systems to reduce the risk of nutrient, sediment contamination to surface water, ground water, and municipal water supplies
- Demonstrate the success of AEM planning and best management practice implementation to other area farms
- Implement approximately 300 acres of cover crops to reduce soil loss and improve soil health

\$626,661 was awarded to the Onondaga County Soil and Water Conservation District to work with five farms in the Onondaga Lake/Otisco Lake Watershed. The project will:

- Implement various best management practice systems to reduce agricultural non-point source pollution
- Abate threats to a public drinking water supply
- Address goals identified in the Onondaga Lake Total Maximum Daily Load (TMDL)
- Implement approximately 3600 acres of cover crops to reduce soil loss and improve soil health

\$34,637 was awarded to the Onondaga County Soil and Water Conservation District to work with two farms in the Upper Tioughnioga River Watershed. The project will:

- Implement erosion control systems and prescribed rotational grazing systems on both farms in the project
- Exclude livestock from water courses to address concentrated flows of contaminated runoff
- Address goals identified in the Chesapeake Bay Total Maximum Daily Load (TMDL)

North Country

\$ 222,975 was awarded to the Clinton County Soil and Water Conservation District to work with one farm in the Corbeau Creek Watershed which is a tributary of Lake Champlain. The project will:

- Reduce the risk of manure runoff to surface and groundwater resources
- Repair denuded walkways and prevent future soil degradation
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$ 71,010 was awarded to the Essex County Soil and Water Conservation District to work with one farm in the Boquet River Watershed which is a tributary of Lake Champlain. The project will:

- Reduce sediment erosion with the installation of stream crossings and laneways
- Reduce nutrient laden runoff by improving management of livestock grazing
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$ 76,000 was awarded to the Essex County Soil and Water Conservation District to work with one farm in the Boquet River Watershed which is a tributary of Lake Champlain. The project will:

- Protect the economic viability of the county's agricultural industry
- Improve farm manure management and prevent high phosphorus manure from contaminating runoff
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$452,495 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Chateaugay/Trout River Watershed. The project will:

- Reduce contaminated runoff impacts on groundwater and surface water resources
- Provide for improved nutrient management by increasing the farms ability to store manure during high risk spreading conditions

\$418,080 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Little Salmon River Watershed. The project will:

- Address resource concerns in the highest priority watershed within the county
- Reduce the contamination of surface and ground water through improved nutrient management

\$387,200 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Stony Creek Watershed. The project will:

- Provide for improved nutrient management by increasing the farms ability to store manure during high risk spreading conditions
- Reduce agricultural non-point source pollution within the watershed, which drains directly to Lake Ontario
- Keep the farm economically viable while protecting natural resources

\$700,067 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Little Stony Creek Watershed. The project will:

- Provide for improved nutrient management by increasing the farms ability to store manure during high risk spreading conditions
- Keep the farm economically viable while protecting natural resources

\$271,593 was awarded to the Jefferson County Soil and Water Conservation District to work with one farm in the Lower Stony Creek Watershed. The project will:

- Provide for improved nutrient management by increasing the farms ability to store manure during high risk spreading conditions
- Keep the farm economically viable while protecting natural resources

\$1,191,103 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Roaring Brook – Black River Watershed. The project will:

- Provide for improved nutrient management by increasing the farms ability to store manure during high risk spreading conditions
- Protect the drinking water supply for the City of Watertown
- Keep the farm economically viable while protecting natural resources

\$64,795 was awarded to the Lewis County Soil and Water Conservation District to work with two farms in the Mill Creek/Black Creek/ Stony Creek Watersheds. The project will:

- Implement various best management practice systems to reduce agricultural non-point source pollution
- Further goals identified in the Black River Watershed Management Plan and 9-Element Plan
- Implement approximately 50 acres of cover crops to improve and protection soil health

\$202,214 was awarded to the St. Lawrence County Soil and Water Conservation District to work with one farm in the Grass River Watershed. The project will:

- Reduce and prevent nutrient runoff into the watershed from agricultural non-point source pollution
- Provide for improved nutrient management increasing the farms ability to store manure during high risk spreading conditions
- Greatly reduce the environmental risk for the farm and the river

Mohawk Valley

\$314,800 was awarded to the Herkimer County Soil and Water Conservation District to work with one farm in the Nowadaga Creek watershed which drains to the Mohawk River. The project will:

- Provide for improved nutrient management increasing the farms ability to store manure during high risk spreading conditions
- Contribute towards meeting the goals of the Mohawk River Watershed Coalition

- Help maintain this dairy farm as a viable operation while being environmentally sound

\$104,078 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Canajoharie Creek and Mohawk River watersheds. The project will:

- Reduce the risk of pathogen contamination and nutrient runoff and improve the overall water quality of the watershed
- Provide for improved agricultural waste management of the farm reducing the transport of pollutants from the farmstead to a nearby perennial stream
- Implement improvements to a rotational grazing system to promote soil and forage health

\$144,085 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Otsquago Creek and Mohawk River watersheds. The project will:

- Reduce the risk of runoff from a corn silage bunk silo and improve the overall water quality of the watershed
- Implement improvements to a rotational grazing system to promote soil and forage health
- Remove livestock from the stream corridor

\$ 77,365 was awarded to the Otsego County Soil and Water Conservation District to work with one farm in the Schenevus Creek Watershed. The project will:

- Mitigate the negative effects of the primary nonpoint source pollutants of concern
- Implement approximately 26 acres of forested riparian buffers
- Protect local waters from nutrient and sediment loading while also contributing to the protection of the Chesapeake Bay Watershed

\$ 224,450 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Flat Creek Watershed. The project will:

- Provide adequate manure storage to eliminate daily spreading and reduce the environmental risk for spreading on frozen and/or saturated ground
- Reduce the potential risk of ground water and surface water contamination on karst topography

\$ 25,412 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Cobleskill Creek Watershed. The project will:

- Address agricultural resource concerns in the county's highest priority watershed
- Improve the land by reducing sediment runoff and restore soil in the project area
- Eliminate on-going pollutant discharges and allow for the proper application of the milk house wash water to reduce leaching and runoff during environmentally sensitive times

\$ 531,611 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Fox Creek/Schoharie Creek Watersheds. The project will:

- Provide adequate manure storage to eliminate daily spreading and reduce the environmental risk for spreading on frozen and/or saturated ground
- Facilitate the enhancement of nutrient management, reduce soil erosion and runoff, stabilize streambanks, and reduce the use of synthetic fertilizers and pesticides

Capital Region

\$670,800 was awarded to the Washington County Soil and Water Conservation District to work with two farms in the Lake Champlain Watershed. The project will:

- Provide for improved ag waste management increasing the farms ability to accomplish nutrient management goals
- Implement silage leachate runoff control and treatment practices to effectively manage runoff
- Reduce negative impacts on the environment while providing a positive impact on the general public
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

\$223,000 was awarded to the Washington County Soil and Water Conservation District to work with three farms in the Lake Champlain Watershed. The project will:

- Address concentration sources of pollution from the farmstead, as well as, cropland nutrient application
- Reduce negative impacts on the environment while providing a positive impact on the general public
- Address goals identified in the Lake Champlain Total Maximum Daily Load (TMDL)

Long Island

\$414,476 was awarded to the Suffolk County Soil and Water Conservation District to work with forty-four farms in the Nassau/ Suffolk Aquifer. The project will:

- Replace single-walled Petroleum Product Storage tanks with environmentally sound, double-walled tanks
- Prevent non-point source contribution to Long Island's sole source aquifer
- Reduce negative impacts on the environment while providing a positive impact on the general public

\$249,310 was awarded to the Suffolk County Soil and Water Conservation District to work with one farm in Suffolk's Sole Source Aquifer. The project will:

- Reduce primary pollutants from leaching into and degrading ground water sources
- Reduce negative impacts on the environment while providing a positive impact on the general public
- Prevent approximately 500 pounds of nitrogen from reaching the Peconic Estuary and the sole source aquifer annually

**Agricultural
Environmental
Management**



**Round 23 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

\$494,947 was awarded to the Chautauqua County Soil and Water Conservation District to work with three farms in the Chautauqua Lake Watershed. The project will:

- Protect against erosion
- Improve manure management
- Reduce phosphorus inputs into Chautauqua Lake

\$548,601 was awarded to the Chautauqua County Soil and Water Conservation District to work with one farm in the Chautauqua Lake Watershed. The project will:

- Improve manure management on two farm facilities
- Implement Riparian Buffers on several crop fields to help reduce sediment and phosphorus runoff

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\$798,891 was awarded to the Chautauqua County Soil and Water Conservation District to work with three farms in the Findley Lake and French Creek Watersheds. The project will:

- Enhance agricultural waste management practices to eliminate the need to spread manure during adverse weather conditions
- Improve Riparian Buffers to reduce sediment and phosphorus runoff into Findley Lake

\$519,560 was awarded to the Erie County Soil and Water Conservation District to work with three farms in the Upper Buffalo River Watershed. The project will:

- Implement 10 Best Management Practices on three high priority farm operations
- Provide technical and financial assistance for the control and abatement of sources of agricultural pollution
- Reduce silt/sediment by restricting livestock from watercourses and establishing riparian buffers
- Improve nutrient management and eliminate manure application during adverse weather conditions

\$100,125 was awarded to the Niagara County Soil and Water Conservation District to work with six farms in the Twelve Mile Creek Watershed. The project will:

- Implement cover crops on 1,302 acres of land to improve soil health
- Reduce the loss of sediments and nutrients from the watershed
- Provide greater vegetated cover on agricultural land throughout the year

Finger Lakes

\$126,396 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Black Creek Watershed. The project will:

- Provide additional waste storage capacity to eliminate the need to spread manure in adverse weather conditions
- Provide the farm the ability to distribute nutrients more evenly onto fields
- Implement a Riparian Buffer to help reduce sediment and phosphorus runoff

\$123,976 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Tonawanda Creek Watershed and Batavia Aquifer. The project will:

- Implement a best management practice system to treat silage leachate effluent
- Reduce risk of runoff entering a public drinking water supply
- Reduce the potential for groundwater contamination

\$131,612 was awarded to the Genesee County Soil and Water Conservation District to work with one farm in the Tonawanda Creek Watershed over karst topography. The project will:

- Prevent rain water from entering a barnyard area, effectively preventing contaminated runoff from leaving the area
- Implement cover crop on 158 acres of land
- Implement a riparian herbaceous buffer to filter nutrients and sediment from cropland

\$380,034 was awarded to the Ontario County Soil and Water Conservation District to work with two farms in the Canandaigua Lake Outlet Watershed. The project will:

- Address nutrient management concerns by implementing waste storage facilities
- Reduce the risk of nutrient loss through manure incorporation
- Reduce risks to public water supplies

\$58,520 was awarded to the Orleans County Soil and Water Conservation District to work with one farm in the Johnson Creek Watershed. The project will:

- Address water quality concerns in the Greater Lake Ontario watershed
- Implement practices that will eliminate runoff of nutrients, sediments, and other pollutants
- Facilitate improved nutrient management

\$130,051 was awarded to the Wyoming County Soil and Water Conservation District to work with one farm in the headwaters of Cattaraugus Creek. The project will:

- Address sediment, erosion, and nutrient concerns to improve water quality
- Facilitate improved nutrient management to allow manure to spread during favorable conditions
- Exclude livestock from a watercourse and implement a Riparian Buffer
- Provide protection to groundwater resources and an aquifer used for drinking water

Southern Tier

\$36,450 was awarded to the Broome County Soil and Water Conservation District to work with one farm in the Tioughnioga River watershed. The project will:

- Decrease erosion, sedimentation, nutrient loading, and pesticide use
- Implement a Prescribed Grazing System on 50 acres of land
- Exclude livestock from a watercourse and implement a Forested Riparian Buffer
- Allow producers to protect the environment, use the land more efficiently, and increase profitability

\$133,480 was awarded to the Broome County Soil and Water Conservation District to work with one farm in the Nanticoke Creek watershed which is within the Susquehanna River Watershed. The project will:

- Allow the farm to utilize manure nutrients more efficiently and protect the environment
- Reduce the potential of groundwater contamination through better utilization of manure resources

\$1,453,776 was awarded to the Delaware County Soil and Water Conservation District to work with two farms in the Susquehanna River watershed. The project will:

- Allow the farms to utilize manure nutrients more efficiently
- Install Forested Riparian Buffers on more than 70 acres within the watershed
- Provide streambank protection on 2.5 miles of stream channel

\$332,105 was awarded to the Delaware County Soil and Water Conservation District to work with one farm in the Carrs Creek watershed which is within the Susquehanna River watershed. The project will:

- Exclude livestock from the watercourse
- Establish approximately 2 acres of Riparian Forest Buffer to reduce the risk of nitrogen, phosphorus, and pathogens entering the watershed
- Address runoff concerns from the barnyard area and allow the farm to better manage waste resources

\$583,600 was awarded to the Schuyler County Soil and Water Conservation District to work with two farms in the Seneca Lake watershed. The project will:

- Reduce nutrient and pathogen contamination and help to protect critical drinking water sources
- Allow the farms to utilize manure nutrients more efficiently and protect the environment
- Implement Riparian Herbaceous Buffers on each farm

\$540,600 was awarded to the Schuyler County Soil and Water Conservation District to work with two farms in the Taughannock Creek watershed which is a direct tributary of Cayuga Lake watershed. The project will:

- Address manure management and nutrient reduction on several thousand acres of cropland in the watershed
- Implement Riparian Herbaceous Buffers on cropland to protect the creek and its direct tributaries
- Address goals established in the Cayuga Lake Total Maximum Daily Load (TMDL)

\$103,385 was awarded to the Steuben County Soil and Water Conservation District to work with one farm in the Lower Canisteo watershed which enters the Tioga River and ultimately Chesapeake Bay. The project will:

- Reduce sedimentation and nutrient loading within the watershed
- Exclude livestock from a stream and establish a riparian buffer area to provide further stabilization of the streambank
- Enhance the barnyard area to prevent runoff contamination

\$117,049 was awarded to the Steuben County Soil and Water Conservation District to work with three farms in the Tioga River and Elk Creek Watersheds. The project will:

- Exclude livestock from watercourses and reduce nutrient and sediment losses
- Develop prescribed grazing systems to facilitate a greater opportunity to manage pasture appropriately
- Establish vegetated buffers and vegetated enhancements on pastures to reduce nutrient loss into streams

\$189,930 was awarded to the Steuben County Soil and Water Conservation District to work with one farm in the Lower Canisteo watershed, Chemung River Basin, and ultimately the Chesapeake Bay watershed. The project will:

- Reduce nutrient losses to surface and ground water
- Promote improved nutrient management and eliminate manure application during adverse weather conditions
- Install a vegetated buffer to protect a hydrologically sensitive area

\$243,100 was awarded to the Tioga County Soil and Water Conservation District to work with one farm in the Catatonk Creek watershed. The project will:

- Reduce nutrient runoff to surface waters and nutrient leaching in an unconsolidated aquifer
- Implement four Best Management Practice Systems to address resource concerns

- Assist in mitigating local water quality concerns, as well as

\$359,800 was awarded to the Tioga County Soil and Water Conservation District to work with one farm in the Susquehanna River watershed. The project will:

- Exclude livestock from watercourses and install a riparian forested buffer
- Reduce nutrient and sediment loads within the watershed
- Assist in mitigating local water quality concerns

Central NY

\$168,618 was awarded to the Cayuga County Soil and Water Conservation District to work with two farms in the Yawgers Creek Watershed, a subwatershed of Cayuga Lake watershed. The project will:

- Reduce the potential for nutrients and pathogens to flow into surface water or leach through karst topography.
- Provide for improved nutrient management and allow for appropriate land application of manure
- Maintain the county's acreage in agriculture, as well as, the economic viability of the farms

\$90,284 was awarded to the Cayuga County Soil and Water Conservation District to work with five farms in the Owasco and Cayuga Lake watersheds. The project will:

- Reduce nutrient, silt, and sediments in the watershed through the implementation of prescribed grazing systems
- Convert 80 acres of row crops to permanent pasture
- Reduce energy use, decrease costs, and improve animal health and productivity
- Exclude livestock from hydrologically sensitive areas

\$92,348 was awarded to the Cayuga County Soil and Water Conservation District to work with seven farms in the Owasco Lake watershed. The project will:

- Implement cover crops on a total of 1,485 acres of cropland
- Decrease soil erosion, reduce runoff, enhance soil health, and increase organic matter
- Provide significant soil health benefits and improve productivity
- Reduce runoff of silt, sediments, and nutrients from manure and fertilizer applications

\$509,177 was awarded to the Cayuga County Soil and Water Conservation District to work with one farm in the Salmon Creek Watershed, a subwatershed of Cayuga Lake watershed. The project will:

- Provide for improved nutrient management and allow for more efficient land application of manure
- Reduce nutrient loading to the watershed by directly incorporating nutrients into the soil

- Promote a higher nutrient use efficiency by crops

\$661,350 was awarded to the Cortland County Soil and Water Conservation District to work with one farm in the Tioughnioga River Watershed. The project will:

- Protect soil health by reducing traffic in fields when soil conditions are most vulnerable
- Improve manure application management which will reduce leaching and runoff potential
- Maintain the county's acreage in agriculture, as well as, the economic viability of the farms
- Maximize the availability of nutrients for crop production thereby reducing applications of additional fertilizer

\$98,080 was awarded to the Cortland County Soil and Water Conservation District to work with one farm in the Merrill Creek Watershed. The project will:

- Protect local and regional water resources that are currently impacted by agricultural sources of nutrients
- Implement approximately 2 and a half acres of Riparian Forest Buffer along 1,100 feet of stream
- Demonstrate the water quality benefits of implementing best management practice systems to other farmers and local citizens

\$454,350 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Chenango River Watershed which is connected to the Chesapeake Bay Watershed. The project will:

- Address manure management and nutrient reduction in the watershed
- Provide for improved nutrient management and allow for appropriate land application of manure
- Address runoff concerns from the barnyard area and allow the farm to better manage waste resources
- Implement a Riparian Herbaceous Buffer to filter nutrients and sediment

\$156,794 was awarded to the Madison County Soil and Water Conservation District to work with ten farms in the Upper Chenango River Watershed which is connected to the Chesapeake Bay Watershed. The project will:

- Implement cover crops on a total of 4,000 acres of cropland
- Reduce nitrogen leaching from crop fields during the non-growing season
- Decrease soil erosion, reduce runoff, enhance soil health, and increase organic matter
- Provide significant soil health benefits and improve crop productivity

\$537,200 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Oneida Lake Watershed. The project will:

- Reduce nutrient runoff through improved agricultural waste management
- Improve crop quality and productivity

- Establish Riparian Herbaceous Buffers to reduce nutrient loss into streams to protect a tributary of Oneida Creek

\$168,450 was awarded to the Madison County Soil and Water Conservation District to work with five farms in the Upper Susquehanna River Watershed. The project will:

- Reduce the cumulative effects of nutrient loading and sedimentation and protect ground water aquifers
- Implement prescribed grazing systems over 1,200 acres of land
- Increase farm profitability by decreasing the need for purchased feed and promote animal health

\$459,850 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Cowaselon Creek Watershed, a sub-watershed of Oneida Lake. The project will:

- Address manure management and nutrient reduction in the watershed
- Provide for improved nutrient management and allow for appropriate land application of manure
- Establish Riparian Herbaceous Buffers to reduce nutrient loss into streams

\$760,900 was awarded to the Madison County Soil and Water Conservation District to work with two farms in the Chittenango Creek Watershed, a sub-watershed of Oneida Lake. The project will:

- Reduce nutrient and sediment loading to Oneida Lake and its tributaries
- Protect private drinking water sources and valuable fisheries within the watershed
- Improve waste management and allow for appropriate land application of manure
- Establish Riparian Herbaceous Buffers to reduce nutrient loss into streams

\$200,125 was awarded to the Onondaga County Soil and Water Conservation District to work with five farms in the Greater Chittenango Creek Watershed. The project will:

- Implement farmstead and pasture Best Management Practice Systems
- Enhance nutrient reduction efforts in the Oneida Lake Watershed
- Implement grazing enhancement projects, barnyard heavy use areas, and silage leachate collection systems
- Establish Riparian Herbaceous Buffers to reduce nutrient loss into streams

\$245,946 was awarded to the Onondaga County Soil and Water Conservation District to work with four farms in the Seneca Lake Watershed. The project will:

- Implement six Best Management Practice Systems to reduce the risk of nutrient, sediment and petroleum contamination to surface water, ground water, and municipal water supplies
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Implement cover crops to reduce soil loss and improve soil health

\$132,130 was awarded to the Onondaga County Soil and Water Conservation District to work with five farms in the Onondaga Lake/Otisco Lake Watershed. The project will:

- Address nutrient and sediment reduction impacting Onondaga Lake and its sub-watersheds
- Implement various best management practice systems to reduce agricultural non-point source pollution

\$179,202 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Skaneateles/Otisco Lake Watersheds. The project will:

- Reduce contamination from pathogens and nutrients, thereby enhancing water quality
- Address water quality concerns for a main drinking water source serving over 200,000 customers
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions

\$180,616 was awarded to the Onondaga County Soil and Water Conservation District to work with one farm in the Onondaga Lake Watershed. The project will:

- Reduce and prevent agricultural non-point source pollution from pathogen and nutrient runoff from manure spreading
- Implement a riparian herbaceous buffer to protect waterways adjacent to crop fields
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions

North Country

\$ 74,336 was awarded to the Clinton County Soil and Water Conservation District to work with one farm in the Little Ausable Watershed which is a tributary of Lake Champlain. The project will:

- Reduce and prevent agricultural non-point source pollution from silage leachate runoff
- Protect sensitive aquatic habitats from the effects of contaminated runoff

\$213,765 was awarded to the Franklin County Soil and Water Conservation District to work with one farm in the Onondaga Lake Watershed. The project will:

- Reduce contaminated runoff impacts on groundwater and surface water resources
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Exclude livestock from a tributary of Trout River and implement a Riparian Herbaceous Buffer

\$406,119 was awarded to the Lewis County Soil and Water Conservation District to work with one farm in the Black Creek-Beaver River Watershed. The project will:

- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions

- Implement 5.8 acres of riparian herbaceous buffer to protect the water quality of two trout streams
- Keep the farm economically viable while protecting natural resources

\$400,080 was awarded to the St. Lawrence County Soil and Water Conservation District to work with one farm in the Grass River Watershed. The project will:

- Reduce and prevent nutrient runoff into the watershed from agricultural non-point source pollution
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Greatly reduce the environmental risk for the farm and the river

Mohawk Valley

\$159,415 was awarded to the Herkimer County Soil and Water Conservation District to work with one farm in the East Canada Creek and the Mohawk River watersheds. The project will:

- Reduce nitrogen leaching into valuable watershed resources
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Help maintain this dairy farm as a viable operation while being environmentally sound

\$232,538 was awarded to the Montgomery County Soil and Water Conservation District to work with one farm in the Mother Creek and Mohawk River watersheds. The project will:

- Reduce the risk of pathogen contamination and nutrient runoff and improve the overall water quality of the watershed
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Enable the farm to utilize a manure nutrient source for crops during the growing season
- Implement improvements to a rotational grazing system to promote soil and forage health

\$ 413,694 was awarded to the Otsego County Soil and Water Conservation District to work with one farm in the Middle Butternut Creek Watershed. The project will:

- Provide public source water protection while ensuring farm economic viability
- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Protect local water sources from nutrient and sediment loading while also contributing to the protection of the Chesapeake Bay Watershed

\$ 367,180 was awarded to the Otsego County Soil and Water Conservation District to work with one farm in the Cherry Valley Creek Watershed. The project will:

- Provide for the proper handling and application of manure and milking center waste to prevent nutrients and other contaminants from contaminating water resources
- Implement 5.8 acres of Riparian Forested Buffer

\$ 17,312 was awarded to the Schoharie County Soil and Water Conservation District to work with one farm in the Cobleskill Creek Watershed. The project will:

- Improve the land by reducing sediment runoff and restore soil in the project area
- Allow for the proper application of the milk house wash water to reduce leaching and runoff during environmentally sensitive times
- Reduce the potential risk of ground water and surface water contamination on karst topography

Capital Region

\$718,980 was awarded to the Washington County Soil and Water Conservation District to work with two farms in the Lake Champlain Watershed. The project will:

- Provide for improved nutrient management by increasing the farm's ability to store manure during high risk spreading conditions
- Implement Riparian Herbaceous buffers to help reduce the potential for sediment and nutrient deposition

Mid-Hudson

\$ 23,550 was awarded to the Sullivan County Soil and Water Conservation District to work with one farm in the Onondaga Lake Watershed. The project will:

- Prevent agricultural nutrients from leaving the farm and entering nearby waterways
- Help properly handle and manage the nutrients produced on a topography that has severe slopes

**Agricultural
Environmental
Management**



**Round 22 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

Cattaraugus County SWCD

C701241 - \$1,428,671.00 was awarded to the Cattaraugus County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Cattaraugus Creek Watershed. Cattaraugus Creek is the largest tributary of Lake Erie in New York State. These conservation practices which include agricultural waste management systems and riparian buffers will keep nutrients and other pollutants out of the creek and Lake Erie while helping the farms remain economically viable.

Chautauqua County SWCD

C701245 - \$406,243.00 was awarded to the Chautauqua County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the French Creek Watershed. These conservation practices which include an agricultural waste management systems and cover crops will keep nutrients and other pollutants out of the creek while helping the farms remain economically viable.

Erie County SWCD

C701251 - \$532,781.00 was awarded to the Erie County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Eighteenmile Creek/Lake Erie Watershed. Eighteenmile Creek is a highly visible recreational and economic resource that outlets directly into Lake Erie. The conservation practices which include an agricultural waste management systems and riparian buffers will keep nutrients and other pollutants out of the creek while helping the farms remain economically viable.

Niagara County SWCD

C701264 - \$60,669.00 was awarded to the Niagara County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on three farms in the Eighteen Mile Creek watershed. Eighteen Mile Creek watershed is the largest watershed in Niagara County discharging into Lake Ontario. The conservation practices to be implemented are cover crop systems. These practices will keep nutrients and other pollutants out of the creek while helping the farms remain economically viable.

Finger Lakes

Genesee County SWCD

C701254 - \$173,703.00 was awarded to the Genesee County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the White Creek Watershed which is a sub-watershed of the Oatka Creek, a main tributary to the Genesee River. The farm will be implementing a silage leachate system, prescribed grazing system, irrigation water management system, and a riparian buffer that will keep nutrients and other pollutants out of the creek while helping the farms remain economically viable.

Orleans County SWCD

C701271 - \$313,904.00 was awarded to the Orleans County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on nine farms in the Oak Orchard, Sandy Creek, and Johnson Creek Watersheds. The farms will be implementing cover cropping systems that will keep nutrients and other pollutants out of the creeks while helping the farms remain economically viable.

T701272 - \$34,584.00 was awarded to the Orleans County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Oak Orchard River Watershed. The farm will be implementing a silage leachate treatment system that will keep nutrients and other pollutants out of the watershed while helping the farms remain economically viable.

Wayne County SWCD

C701283 - \$75,163.00 was awarded to the Wayne County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Erie Canal watershed. The conservation practices to be addressed include: silage leachate control and treatment and a livestock heavy use area runoff treatment system. These systems will keep nutrients and other pollutants out of the canal while helping the farms remain economically viable.

Wyoming County SWCD

C701284 - \$926,527.00 was awarded to Wyoming County SWCD for the implementation of best management practices to address agricultural water quality concerns on four farms in the Tonawanda Creek Watershed. Tonawanda Creek is a tributary of the Niagara River which flows into Lake Ontario. The best management practices to be implemented include: ag waste treatment systems and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the creek while helping the farms remain economically viable.

C701285 - \$891,282.98 was awarded to Wyoming County SWCD for the implementation of best management practices to address agricultural water quality concerns on three farms in the Genesee River Basin. The Genesee River is a tributary of Lake Ontario. The best management practices to be implemented include: ag waste treatment systems and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the creek while helping the farms remain economically viable.

C701286 - \$547,778.00 was awarded to Wyoming County SWCD for the implementation of best management practices to address agricultural water quality concerns on one farm in the Tonawanda Creek Watershed. Tonawanda Creek is a tributary of the Niagara River which flows into Lake Ontario. The best management practices to be implemented include: ag waste treatment system and a riparian buffer. These systems will keep nutrients, sediment and other pollutants out of the creek while helping the farms remain economically viable.

Southern Tier

Broome County SWCD

C701239 - \$89,100.00 was awarded to Broome County SWCD for the implementation of best management practices to address agricultural water quality concerns on three farms in the Upper Susquehanna River – Otselic River Watershed. The watershed ultimately drains to the Chesapeake Bay, where the EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function. The best management practices to be implemented include: prescribed rotational grazing systems that involve controlling livestock access to streams. These systems will keep nutrients, sediment and other pollutants out of the watershed while helping the farms remain economically viable.

C701240 - \$133,566.00 was awarded to Broome County SWCD for the implementation of best management practices to address agricultural water quality concerns on two farms in the Upper Susquehanna River – Nanticoke Creek Watershed. The watershed ultimately drains to the Chesapeake Bay, where the EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function.

The best management practices to be implemented include: livestock heavy use area runoff management systems. These systems will keep nutrients, sediment and other pollutants out of the creek while helping the farms remain economically viable.

Chemung County SWCD

C701246 - \$388,985.00 was awarded to the Chemung County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on three farms in the Upper Susquehanna River watershed. The watershed ultimately drains to the Chesapeake Bay, where the EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function. The best management practices to be implemented include: livestock heavy use area runoff management system, silage leachate treatment system, and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the watershed while helping the farms remain economically viable.

Schuyler County SWCD

C701278 - \$451,970.00 was awarded to the Schuyler County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on ten farms in the Seneca Lake watershed. Seneca Lake, one of the Finger Lakes, is a drinking water source for the Village of Watkins Glen. The best management practices to be implemented include: erosion control systems, cover crops, access control systems, ag waste storage and treatment systems, livestock heavy use area runoff management systems, silage leachate systems, and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the watershed while helping the farms remain economically viable.

C701279 - \$198,900.00 was awarded to the Schuyler County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Seneca Lake watershed. Seneca Lake, one of the Finger Lakes, is a drinking water source for the Village of Watkins Glen. The best management practices to be implemented include: livestock heavy use area runoff management systems and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the watershed while helping the farms remain economically viable.

Central NY

Cayuga County SWCD

C701242 - \$105,177.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Cayuga Lake Watershed. The Cayuga Lake Watershed is the

largest watershed within the Finger Lakes region covering approximately 500,000 acres. The best management practices to be implemented include: ag waste treatment systems and a riparian buffer. These systems will keep nutrients, sediment and other pollutants out of the lake while helping the farms remain economically viable.

C701243 - \$205,530.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Salmon Creek Watershed. The Salmon Creek Watershed is a sub-watershed of the Cayuga Lake Watershed and a major tributary to Cayuga Lake. The best management practices to be implemented include: silage leachate treatment systems, erosion control and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the watershed while helping the farms remain economically viable.

C701244 - \$277,960.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on eight farms in the Cayuga Lake Watershed. The Cayuga Lake Watershed is a Class AA (T) waterbody and is a drinking water source for approximately 100,000 residences. The best management practices to be implemented include: cover crop systems. These systems will keep nutrients, sediment and other pollutants out of the lake while helping the farms remain economically viable.

Cortland County SWCD

C701248 - \$293,675.00 was awarded to the Cortland County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Merrill Creek Watershed, a major tributary to the Otselic River. The river ultimately flows into the Chenango River, Susquehanna River and ultimately the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function in the bay. The runoff control will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

C701249 - \$597,485.00 was awarded to the Cortland County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Fall Creek Watershed, a major tributary to Cayuga Lake. Fall Creek is also a drinking water source for Cornell University and the hamlet of Forest Home. The runoff control will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

C701250 - \$192,646.00 was awarded to the Cortland County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Factory Brook Watershed. The proposed project will address water quality concerns in several other watershed throughout Cortland County including the Susquehanna River watershed. The Susquehanna River ultimately drains to the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the

goal of reducing contamination in order to restore biological function in the bay. The runoff control will keep nutrients and other pollutants out of the watershed while helping the farm remain economically viable.

Madison County SWCD

C701257 - \$503,450.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on 2 farms in the Chittenango Creek Watershed, a sub-watershed of the Oneida Lake Watershed. The project proposes to implement animal waste management systems, stream corridor animal exclusion, and buffer systems on both farms. This project will keep nutrients and other pollutants out of the watershed while helping the farms remain economically viable.

C701258 - \$437,150.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Oneida Lake Watershed, specifically the Cowaselon Creek and Canastota Creek sub-watersheds. The project proposes to implement animal waste management systems and a riparian buffer systems. This project will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

C701259 - \$488,150.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Oneida Lake Watershed, specifically the Cowaselon Creek and Canastota Creek sub-watersheds. The project proposes to implement two waste storage systems and a forested riparian buffer. This project will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

C701260 - \$389,058.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on 17 farms throughout 4 counties in the Susquehanna River Watershed. The Susquehanna River ultimately drains to the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function in the bay. The project proposes to implement cover crops on all farms. This project will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

Onondaga County SWCD

C701265 - \$200,831.00 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on eleven farms across two sub-watershed; Skaneateles Lake and the Greater Oswego River Watershed. Both watersheds are sources of drinking water for several communities throughout central NY. The best management practices to be

implemented include: cover crop systems and a prescribed rotational grazing system. These systems will keep nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

C701268 - \$284,446.00 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the West Branch Limestone Creek/Lower Limestone Creek Watershed. The best management practices to be implemented include: a waste storage and transfer system, riparian buffer system, and 200 acres of cover crop. These systems will keep nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

C701266 - \$194,447.00 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Fabious Brook/West Branch Tioughnioga Watershed. The Tioughnioga River is part of the Susquehanna River watershed which ultimately drains to the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function in the bay. The best management practices to be implemented include: a waste storage structure and livestock heavy use area protection. These systems will keep nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

C701267 - \$249,110.00 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Onondaga Lake Watershed. The best management practices to be implemented include: prescribed grazing, access control, cover crops, and a barnyard runoff system. These systems will keep nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

C701269 - \$176,731.00 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Chittenango Creek/Limestone Creek Watershed. These watersheds are part of the larger Oneida Lake Watershed. The best management practices to be implemented include: a waste storage and transfer system. This system will keep nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

Oswego County SWCD

C701273 - \$107,783.00 was awarded to the Oswego County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Lake Neatahwanta watershed. The lake's watershed is 17.7 square miles and consists of four Class C streams. The best management practices to be implemented include: a livestock heavy use area runoff system, a prescribed rotational grazing system and a riparian buffer. These systems will keep

nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

North Country

Clinton County SWCD

C701247 - \$187,462.00 was awarded to the Clinton County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Lake Champlain Watershed. Lake Champlain has an existing Total Maximum Daily Load to address phosphorus loading. The conservation practice systems, including a waste storage and transfer system, will keep nutrients and other pollutants out of the lake while helping the farm remain economically viable.

Essex County SWCD

C701252 - \$167,901.00 was awarded to the Clinton County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Lake Champlain Watershed. Lake Champlain has an existing Total Maximum Daily Load to address phosphorus loading. The conservation practice systems, including a waste composting system, will keep nutrients and other pollutants out of the lake while helping the farm remain economically viable.

Lewis County SWCD

C701256 - \$63,061.00 was awarded to the Lewis County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on three farms in the Black River Watershed. The Black River Watershed makes up approximately 81% of Lewis County. The project proposes to implement cover crops on all three farms. These conservation systems will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

Mohawk Valley

Fulton County SWCD

C701253 - \$149,149.00 was awarded to Fulton County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Great Sacandaga Lake Watershed. These conservation practices will keep nutrients and other pollutants out of the lake while helping the farm remain economically viable.

Herkimer County SWCD

C701255 - \$231,500.00 was awarded to Herkimer County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Nowadaga, Ocquionis, and Otsquago Watersheds. The best management practices to be implemented include: a waste storage and transfer system. These systems will keep nutrients, sediment and other pollutants out of the watersheds while helping the farms remain economically viable.

Montgomery County SWCD

C701261 - \$167,440.00 was awarded to the Montgomery County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Canajoharie Creek Watershed. The conservation practice systems, including an agricultural waste storage system, silage leachate treatment system, livestock heavy use area runoff system, process wash water management system and access control keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

C701262 - \$420,178.00 was awarded to the Montgomery County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Caroga Creek Watershed. The conservation practice systems, including an agricultural waste management systems and a riparian buffer system keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

C701263 - \$120,627.00 was awarded to the Montgomery County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the South Chuctanunda Creek watershed. The conservation practice systems, which include various agricultural waste management systems, will keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

Otsego County SWCD

C701274 - \$269,922.00 was awarded to the Otsego County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Upper Susquehanna River and the Chesapeake Bay which is currently under EPA mandated TMDL for nutrients and sediment. The conservation practice systems, which include a riparian buffer systems, will keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

C701275 - \$143,087.00 was awarded to the Otsego County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Lower Wharton Creek, which is a subwatershed of

the Upper Susquehanna River and the Chesapeake Bay. These watersheds are currently under EPA mandated TMDL for nutrients and sediment. The conservation practice systems, which include: heavy use area protection, access control and a forested riparian buffer, will keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

C701276 - \$202,058.00 was awarded to the Otsego County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Upper Schenevus Creek watershed. Ultimately, the Upper Schenevus Creek waters flow to the Upper Susquehanna River and the Chesapeake Bay which is currently under EPA mandated TMDL for nutrients and sediment. The conservation practice systems, which include a prescribed rotational grazing system, will keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

C701277 - \$257,764.00 was awarded to the Otsego County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in Otego Creek watershed. The proposed conservation practice systems will keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

Capital Region

Albany County SWCD

C701238 - \$86,627.00 was awarded to the Albany County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Fox Creek watershed. Fox Creek is a classified trout stream throughout most of Albany County. The conservation practice systems, which include a prescribed rotational grazing system, will keep phosphorus and other nutrients out of the watershed while helping the farm remain economically viable.

Washington County SWCD

C701280 - \$757,691.00 was awarded to the Washington County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Battenkill White Creek watershed. Conservation practices to be implemented include a waste storage and transfer system, cover crops, and a riparian buffer. These systems will keep nutrients and other pollutants out of the watershed while helping the farm remain economically viable.

C701281 - \$670,928.00 was awarded to the Washington County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Upper Hudson watershed. Conservation practices to be

implemented include silage leachate treatment systems, livestock heavy use area protection, and streambank protection. These systems will keep nutrients and other pollutants out of the watershed while helping the farm remain economically viable.

C701282 - \$304,635.00 was awarded to the Washington County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Lake Champlain Canal watershed; a sub-watershed of the Lake Champlain drainage basin. Conservation practices to be implemented include silage leachate treatment systems, livestock heavy use area protection, and riparian buffers. These systems will keep nutrients and other pollutants out of the watershed while helping the farm remain economically viable.

Mid-Hudson

Orange County SWCD

C701270 - \$337,755.00 was awarded to the Orange County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on ten farms in the Wallkill River watershed. The Wallkill River is currently classified as stressed under the Department of Environmental Conservation's Priority Waterbodies List. Conservation practices to be implemented include a wide variety of practices from erosion control practices to agrichemical storage and handling system. These systems will keep nutrients and other pollutants out of the watershed while helping the farm remain economically viable.

**Agricultural
Environmental
Management**



**Round 21 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

Allegany County SWCD

\$232,468.00 was awarded to the Allegany County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Rushford Lake Watershed, which is part of the Caneadea Creek Watershed. Additionally, these projects are also part of the Cuba Rushford School District drinking water supply. These conservation practices will keep nutrients and other pollutants out of the creek while helping the farms remain economically viable.

\$502,210.00 was awarded to the Allegany County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on four farms in the within the Chenunda and Cryder Creek watersheds. These sub-watersheds are part of the Genesee River Basin and are also upstream of the Village of Wells-ville's water supply. These conservation practices will keep nutrients and other pollutants out of the creeks while helping the farms remain economically viable.

Chautauqua County SWCD

\$250,508.90 was awarded to the Chautauqua County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on a farm in the Cassadaga Creek Watershed. Cassadaga Creek is a recharge area for the City of Jamestown's drinking water aquifer. The conservation practice systems, including a silage leachate control and treatment system and cover cropping, will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

Erie County SWCD

\$599,365.00 was awarded to Erie County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on four farms

in the Clear Creek Watershed. Clear Creek Watershed is a sub-basin within the Cattaraugus Creek Watershed. Clear Creek outlets into Lower Cattaraugus Creek which ultimately drains to Lake Erie. The conservation practices, will address sediment and nutrient runoff through waste management and the installation of riparian buffers. These practices will keep nutrients and sediment out of the creek and will help the farms remain economically viable.

Finger Lakes

Genesee County SWCD

\$168,099.68 was awarded to Genesee County SWCD for the implementation of best management conservation practice to address agricultural water quality concerns on two farms in the Upper Tonawanda Creek Watershed. Tonawanda Creek is a drinking water supply for the City of Batavia. The conservation practices including rotational grazing and Ag waste management will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

\$369,167.50 was awarded to Genesee County SWCD for the implementation of best management conservation practice to address agricultural water quality concerns on one farm in the Little Tonawanda Creek Watershed. Tonawanda Creek is a drinking water supply for the City of Batavia. The conservation practices will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

Monroe County SWCD

\$79,712.00 was awarded to the Monroe County SWCD for the implementation of best management practices to address agricultural water quality concerns on four farms in the Irondequoit Creek Watershed; a sub-watershed of the Lake Ontario Basin. The best management practices, including cover cropping and streambank stabilization systems, will address soil erosion concerns and reduce the amount of sediment entering Irondequoit Creek while helping the farms remain economically viable.

Wayne County SWCD

\$127,510.00 was awarded to the Wayne County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Salmon Creek Watershed which directly outlets to Lake Ontario. The conservation practices to be addressed include: streambank and shoreline management and access control. These systems will keep nutrients and other pollutants out of the creek while helping the farms remain economically viable.

\$115,857.70 was awarded to the Wayne County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two

farms in the Black Brook watershed which ultimately flows to Lake Ontario. The conservation practices to be addressed include: silage leachate control and treatment, prescribed grazing, and an ag waste composting facility. These systems will keep nutrients and other pollutants out of the stream while helping the farms remain economically viable.

Wyoming County SWCD

\$644,820.00 was awarded to Wyoming County SWCD for the implementation of best management conservation practices to address sediment, erosion, and nutrient issues on three dairy farms in the Cattaraugus Creek Watershed. The Cattaraugus Creek flows to Lake Erie and is its largest tributary. The best management practices to be implemented include: waste storage systems, cover cropping, and riparian buffers. These systems will keep nutrients, sediment, and other pollutants out of the creek while helping the farms remain economically viable.

\$229,244.58 was awarded to Wyoming County SWCD for the implementation of best management practices to address agricultural water quality concerns on two farms in the Upper Buffalo Creek Watershed. Buffalo Creek is a tributary of the Buffalo River which flows into Lake Erie. The best management practices to be implemented include: ag waste treatment and riparian buffers. These systems will keep nutrients, sediment and other pollutants out of the creek while helping the farms remain economically viable.

\$572,763.33 was awarded to Wyoming County SWCD for the implementation of best management practices to address agricultural water quality concerns on three farms in the Genesee River Basin. The Genesee River flows northward from Pennsylvania and outlets into Lake Ontario. The best management practices to be implemented include: ag waste storage, silage leachate treatment, and riparian buffers. These systems will keep nutrients, sediment, and other pollutants out of the river while helping the farms remain economically viable.

\$182,959.07 was awarded to Wyoming County SWCD for the implementation of best management practices to address agricultural water quality concerns on two farms in the Cayuga Creek watershed. The headwaters of Cayuga Creek are located in Wyoming County; the creek flows into the Buffalo River and ultimately Lake Erie. The best management practices to be implemented include: erosion control, silage leachate treatment, and riparian buffers. These systems will keep nutrients, sediment, and other pollutants out of the creek while helping the farms remain economically viable.

Yates County SWCD

\$324,510.00 was awarded to Yates County SWCD for the implementation of best management practices to address agricultural water quality concerns on twelve farms in the Keuka Lake watershed. Keuka Lake, one of the Finger Lakes, is also a source of drinking water for the Village of Penn Yan, Village of Hammondsport, several other locations and over 2000 lakeshore properties. The best management practices to be implemented in-

clude: erosion control practices, riparian buffers, and agricultural chemical handling systems. These systems will keep nutrients, sediment, and other pollutants out of the creek while helping the farms remain economically viable.

Southern Tier

Broome County SWCD

\$74,950.00 was awarded to the Broome County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Tioughnioga River and Oquaga Creek/West Branch Delaware River Watersheds. These sub-watersheds are part of the Susquehanna Watershed. The watershed ultimately drains to the Chesapeake Bay, where the EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function. In addition, the City of Binghamton draws its drinking water from the Susquehanna River. The conservation practice systems, will keep nutrients and other pollutants out of the river while helping the farms remain economically viable.

Chemung County SWCD

\$360,500.00 was awarded to the Chemung County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Chemung River watershed. The watershed ultimately drains to the Chesapeake Bay, where the EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function. The Chemung River itself is also utilized as a drinking water supply. The conservation practice systems, including a silage leachate control and treatment system and cover cropping, will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

Delaware County SWCD

\$1,080,804.30 was awarded to the Delaware County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Upper Susquehanna Watershed. The Upper Susquehanna Watershed is currently under TMDL regulations and will also help meet the New York State's Chesapeake Bay TMDL goals for agricultural riparian forest buffers, tree planting, and alternative watering facilities for pastures. The conservation practice systems will keep nutrients and sediment out of the river, and ultimately the bay, while helping the farms remain economically viable.

Steuben County SWCD

\$623,850.00 was awarded to the Steuben County SWCD for the implementation of agricultural best management practices to address water quality concerns on one farm in the Cohocton River Watershed. This watershed is a sub-watershed within the Chesapeake

Bay Watershed. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function of the bay. The conservation practices will include the implementation of an ag waste storage which will keep nutrients and other pollutants out of the river when helping the farm remain economically viable.

Tioga County SWCD

\$122,610.75 was awarded to the Tioga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on six farms within the Chesapeake Bay Watershed. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function. Funding will be used to implement cover cropping on the participating farms. These farms will be used as demonstration projects to show the benefits of cover crops and encourage the adoption by other farms throughout the county.

Tompkins County SWCD

\$503,800.00 was awarded to the Tompkins County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Fall Creek Watershed. Fall Creek Watershed, including the Southern End of Cayuga Lake, encompasses the primary water supply for the towns of villages of Dryden, Mclean, and Freeville and contributes to the primary water supply of the city of Ithaca. The project will address runoff concerns and will help keep pollutants out of the creek while helping the farm remain economically viable.

Central NY

Cayuga County SWCD

\$173,905.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Salmon Creek Watershed. The Salmon Creek Watershed is a sub-watershed of the Cayuga Lake Watershed and a major tributary to Cayuga Lake. The conservation practice systems will keep sediment, nutrients, and other pollutants out of the creek and water supply while helping the farm remain economically viable.

\$78,990.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Owasco Lake Watershed. Owasco Lake is a drinking water source for over 70% of Cayuga County's population. The conservation practice systems will keep sediment, nutrients, and other pollutants out of the lake and water supply while helping the farm remain economically viable.

\$458,590.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on

seven farms in the Cayuga Lake Watershed. The Cayuga Lake Watershed is the largest watershed within the Finger Lakes region covering approximately 500,000 acres. The conservation practice systems will keep sediment, nutrients, and other pollutants out of the lake and water supply while helping the farm remain economically viable.

\$319,054.00 was awarded to the Cayuga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Cayuga Lake Watershed. The Cayuga Lake Watershed is the largest watershed within the Finger Lakes region covering approximately 500,000 acres. The conservation practice systems will keep sediment, nutrients, and other pollutants out of the lake and water supply while helping the farm remain economically viable.

Cortland County SWCD

\$269,575.50 was awarded to the Cortland County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on three farms in the Upper Tioughnioga River Watershed. This watershed is designated as a Federal Sole Source Aquifer. It also flows into the Chenango River, Susquehanna River and ultimately the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function in the bay. The runoff control will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

\$169,855.00 was awarded to the Cortland County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on a farm in the Upper Tioughnioga/West Branch Tioughnioga River Watershed. This watershed flows into the Chenango River, Susquehanna River and ultimately the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function in the bay. The runoff control will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

Madison County SWCD

\$165,085.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Upper Chenango River Watershed. The Chenango River flows to the Susquehanna River and ultimately Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function of the bay. The proposed conservation practices will keep nutrients and other pollutants out of the river while helping the farms remain economically viable.

\$95,550.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two farms in the Upper Tioughnioga River Watershed. The Tioughnioga River is a major trib-

utary of the Susquehanna River and eventually the Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function of the bay. The best management practices to be installed through this project will result in the reduction of agricultural non-point source pollution to both surface and ground water.

\$180,598.00 was awarded to the Madison County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on three farms in the Sangerfield River Sub-Watershed of the Upper Chenango River Watershed. The Chenango River flows to the Susquehanna River and ultimately Chesapeake Bay. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function of the bay. The proposed conservation practices will keep nutrients and other pollutants out of the river while helping the farms remain economically viable.

Onondaga County SWCD

\$448,307.20 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on four farms in the Lower Seneca River Watershed which ultimately outlets into Lake Ontario. The goal of these conservation practice systems is to reduce oxygen demand from sediments, nutrients, and pathogens that enter the Seneca River System. These practices will keep nutrients and other pollutants out of the river while helping the farms remain economically viable.

\$171,348.30 was awarded to the Onondaga County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on five farms in the Greater Onondaga Lake Watershed. This watershed encompasses the drinking water supply of Otisco Lake and ultimately outlets into Lake Ontario. The conservation practice systems will address non-point source pollution concerns on the participating farms and include implementation of five prescribed rotational grazing systems. These practices will keep nutrients and other pollutants out of the lake while helping the farms remain economically viable.

North Country

Clinton County SWCD

\$128,031.00 was awarded to the Clinton County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Lake Champlain Watershed. Lake Champlain has an existing Total Maximum Daily Load to address phosphorus loading. The conservation practice systems, including a waste storage and transfer system, will keep nutrients and other pollutants out of the lake while helping the farm remain economically viable.

Jefferson County SWCD

\$1,057,925.50 was awarded to the Jefferson County SWCD for the implementation of cover cropping to address agricultural water quality concerns on six farms in the Sandy Creek and Stony Creek Watersheds. Both watersheds drain directly into Lake Ontario and are documented as impaired on the DEC Priority Waterbody List. In addition to other conservation practices, participants have committed to implementing riparian buffers on cropland. These practices will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

St. Lawrence County SWCD

\$482,555.00 was awarded to the St. Lawrence County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Raquette River Watershed which is within the Village of Potsdam's water supply. The conservation practices will include the implementation of an ag waste storage. This practice will keep nutrients and other pollutants out of the river while helping the farm remain economically viable.

Mohawk Valley

Fulton County SWCD

\$336,844.00 was awarded to Erie County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Middle Sacandaga River Kenneyto Creek Watershed. This project is also located within the recharge area for the Village of Broadalbin's South Municipal Well. These conservation practices will keep nutrients and other pollutants out of the creek while helping the farm remain economically viable.

Montgomery County SWCD

\$750,743.75 was awarded to the Montgomery County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on two neighboring farms in the Briggs Run Watershed. The Briggs Run Watershed encompasses two public drinking water supplies and has been a priority watershed for Montgomery County for several years. The conservation practice systems, including an agricultural waste storage system to facilitate proper use of nutrients, will keep phosphorus and other nutrients out of the stream while helping the farm remain economically viable.

Otsego County SWCD

\$328,947.79 was awarded to the Otsego County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Unadilla River watershed. This watershed is a sub-watershed within the

Chesapeake Bay Watershed. The EPA has assigned a Total Maximum Daily Load with the goal of reducing contamination in order to restore biological function of the bay. The conservation practice system will address non-point source pollution concerns on the participating farms and include the implementation of a silage leachate treatment system. These practices will keep nutrients and other pollutants out of the river while helping the farms remain economically viable.

Capital Region

Washington County SWCD

\$404,590.00 was awarded to the Washington County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on one farm in the Nipmoose Brook watershed; a sub-watershed on the Hoosic-Wal-loomsac watershed. Conservation practices to be implemented include a waste storage and transfer system, cover crops, and streambank and shoreline protection. These systems will keep nutrients and other pollutants out of the watershed while helping the farm remain economically viable.

Long Island

Suffolk County SWCD

\$145,763.25 was awarded to the Suffolk County SWCD to support the development of 15 nutrient management plans (12 Certified Nutrient Management Plans and 3 Cultural Nutrient Management Plans). The agricultural operations are located within the Peconic Estuary, Long Island Sound and South Shore Estuary. These plans will focus on stewardship, plant health, and resource concerns pertaining to nutrient loading with a focus on nitrogen. These nutrient management plans will ultimately help farms keep pollutants out of the sound while helping the farms remain economically viable.

\$302,546.36 was awarded to the Suffolk County SWCD for the implementation of best management conservation practices to address agricultural water quality concerns on twenty-five farms in Long Island's sole source aquifer which is one of the most productive aquifers in the United States. The best management practices will involve the replacement of their old corroding, singled-walled, Petroleum Product Storage Facilities with environmentally sound double-walled fuel tanks. These projects will help keep pollutants out of the aquifer while helping farms remain economically viable.