

**New York State  
Agricultural Nonpoint Source Abatement & Control Program  
Round 14 Projects**

All projects support the New York State Agricultural Environmental Management (AEM) Program by developing Comprehensive Nutrient Management Plans (CNMPs) or 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. The following projects will be administered by county Soil and Water Conservation Districts (SWCD) and operated and maintained by the farm owner. For specific information on the following projects, please contact the appropriate SWCD office.

**WESTERN NEW YORK - \$1,649,853**

- **Niagara County SWCD** – Implement BMPs on two farms in the Eighteenmile Creek Watershed, which drains into Lake Ontario. Practices to be installed include: a milk center wastewater treatment, a silage leachate management, a barnyard runoff management, a roof water management, and a compost system. These practices will improve the water quality of the creek, which is an important fishing stream in Niagara County. **\$202,743**
- **Orleans County SWCD** – Install agri-chemical mixing facilities on 21 farms in the Oak Orchard and Sandy Creek Watersheds of Orleans, Genesee, and Monroe Counties. A chemical mixing facility acts as a controlled environment, helping prevent chemical spills, chemical leaching into ground water, and/or runoff into surface waters of the Lake Ontario Basin. **\$487,090**
- **Wyoming County SWCD** – Implement BMPs on 13 farms in the Cattaraugus Creek Watershed and the Tonawanda Creek Watershed, a main water supply for the City of Batavia. Practices to be installed include: conservation tillage, cover crop, residue management, silage leachate control, barnyard runoff management, pest management, and a stream crossing. This project will help minimize and prevent potential sources of pollution in the watersheds. **\$960,020**

**FINGER LAKES - \$3,799,881**

- **Cayuga County SWCD** - Construct three manure storage facilities on two farms in the Seneca River Watershed. This project will reduce the application of nutrients to farm fields, lessening the potential for nutrient loading into the Seneca River Watershed. **\$247,209**
- **Cayuga County SWCD** – Construct a manure storage facility on one farm in the Owasco Lake Watershed, which will use nutrients to improve soil quality and decrease the need for commercial fertilizer. The nutrients will be incorporated into the soil using conservation tillage methods minimizing the potential for runoff and nutrient loading into Owasco Lake, a public drinking water supply for 70 percent of Cayuga County's residents. **\$105,190**
- **Cayuga County SWCD** – Implement multiple BMPs on five farms in the Cayuga Lake Watershed. Practices to be installed include: grassed waterways, heavy use area protection, a barnyard runoff management system, silage leachate control and a manure

storage. The environmental benefit of this project is through the reduction of nutrient and sediment loading into the network of tributaries flowing into Cayuga Lake. **\$252,787**

- **Cayuga County SWCD** – Implement rotational grazing systems on 17 farms in the Cayuga and Owasco Lake Watersheds. Short duration grazing allows the ground to remain in a vegetative state, and the increase in ground cover will act as a filter, increasing the amount of silt and nutrients that can be trapped and utilized by the vegetation resulting in a reduction of sediment, nutrients, and pathogens from entering the watersheds. **\$99,760**
- **Schuyler County SWCD** – Implement short duration grazing systems on 49 farms in 10 counties of the Oswego, Seneca, and Oneida River Watersheds. This project will address water quality issues by installing permanent vegetative cover on highly erodible soils. The conversion of row cropped farmland to permanent pasture will have a significant positive impact on sediment/nutrient and pesticide loading in the watersheds. **\$343,770**
- **Schuyler County SWCD** – Construct manure storage facilities on two farms in the Seneca Lake Watershed. This project addresses the need for reducing nutrient and sediment delivery to Seneca Lake, a public drinking water supply. **\$417,540**
- **Schuyler County SWCD** – Implement BMPs on four farms in the Chemung River Watershed of Chemung, Schuyler, and Steuben Counties. Systems to be installed include: barnyard runoff management, manure storage systems, and a vegetative filter strip. This project will reduce sediment and nutrient loading to the Chemung River Watershed. **\$518,125**
- **Schuyler County SWCD** - Implement BMPs on 21 vineyards in the Seneca and Keuka Lake Watersheds. Systems to be installed include: cover/green manure crop and mulching to reduce erosion thus improving the water quality of Keuka and Seneca Lakes. **\$68,200**
- **Seneca County SWCD** – Construct 12 agri-chemical mixing facilities on 12 farms in the Seneca Lake Watershed, which is a major drinking water source for approximately 100,000 people. The permanent structures will have an impervious surface to provide a safe area for handling on-farm pesticides and will reduce the potential for soil, groundwater and surface water contamination during pesticide mixing, loading, unloading and rinsing operations. **\$228,264**
- **Steuben County SWCD** – Implement prescribed grazing systems on 25 farms in the Chemung River Basin of Steuben and Chemung Counties, which will decrease sediment and nutrient loading to the watershed. **\$262,395**
- **Tompkins County SWCD** – Install a manure storage facility and milkhouse waste collection on one farm in the Salmon Creek Watershed. These BMPs will help identify water quality issues such as nutrient runoff. **\$402,594**

- **Tompkins County SWCD** - Install a manure storage facility on one farm in the Fall Creek Watershed to decrease the risk of nutrient loading into the Fall Creek Watershed. **\$305,745**
- **Tompkins County SWCD** – Implement BMPs on two farms in the Salmon Creek Watershed. Practices to be installed include: heavy use area protection, barnyard runoff management, milkhouse waste collection, and petroleum product storage and containment. These practices will have a positive impact on the watershed by reducing the potential for nutrient, pathogens and other contaminants from entering the watershed. **\$153,811**
- **Tompkins County SWCD** – Construct a roof water management system and heavy use area protection on one farm in the Owasco Lake Watershed. The practices will reduce the level of nutrients leaving the farm through contaminated runoff, thus having a positive impact on water quality. **\$22,554**
- **Yates County SWCD** - Implement of 31 BMPs on 11 farms in the Seneca Lake Watershed within Yates and Ontario Counties. Systems to be installed include: grassed waterways, diversions, filter strips, contour farming, pest management, streambank protection, barnyard runoff management, and agrichemical mixing facilities. This project will address the water quality concerns by providing additional protection to major drinking water supplies within the county. **\$252,607**
- **Yates County SWCD** - Implement 31 BMPs on 12 farms in the Keuka Lake Watershed within Yates and Steuben Counties. Practice systems to be installed include: diversions, agri-chemical mixing facilities, grassed waterways, and spring development. This project will address water quality concerns by reducing sediment with attached pollutants and pesticides from impacting the surface drinking water supply of Keuka Lake and various drinking water wells within the watershed. **\$119,330**

#### **SOUTHERN TIER - \$905,772**

- **Chenango County SWCD** - Implement rotational grazing systems on four farms in the Susquehanna, and Chenango River Watersheds. Short duration grazing allows the ground to remain in a vegetative state, thus helping to reduce runoff of nutrients, sediment, and pathogens from entering streams and waterbodies. **\$94,860**
- **Delaware County SWCD** - Implement riparian forest buffers on two farms in the Upper Susquehanna River Basin. This project will implement alternative water sources, permanent fencing, tree and shrub planting, and defined animal trails and walkways/crossings. In addition to the sediment and nutrient trapping benefits of riparian forest buffers, the livestock on both farms will have controlled limited access to all surface water flowing to the Susquehanna River and its tributaries. **\$204,213**
- **Delaware County SWCD** - Implement 2,000 feet of stream stabilization, using natural stream channel design techniques on a farm located on the Tremper Kill upstream from the Pepacton Reservoir. Twenty-five percent of New York City's drinking water comes from this reservoir. The project will facilitate 10 acres of Conservation Reserve Enhancement

Program (CREP) implementation and livestock exclusion along 2,800 feet of stream.  
**\$139,535**

- **Delaware County SWCD** - Implement Precision Feed Management (PFM) on four dairy farms in the Susquehanna River Basin. The project will reduce nitrogen and phosphorus imports onto the dairy farms, thus reducing the amount of nutrients that can be transported off the farm through leaching or runoff. This project will continue an already successful PFM program in the County. **\$122,052**
- **Tioga County SWCD** – Install an agricultural waste storage facility and milkhouse waste disposal on one farm in the Owego Creek Watershed. These systems will help protect both surface and groundwater resources by reducing the potential for runoff and leaching through proper nutrient management. **\$345,112**

#### **NORTH COUNTRY - \$2,454,904**

- **Clinton County SWCD** – Construct manure storage facilities on three farms in the Lake Champlain Basin. Lake Champlain is a natural resource that not only provides enormous wildlife and recreational value, but also provides a source of drinking water for most homes and camps along its shores. This project will decrease the amount of phosphorus, a major source of nutrient pollution, from entering the Lake. **\$711,800**
- **Franklin County SWCD** - Construct manure storage facilities on three farms in the Chateaugay River Watershed. This project will eliminate the need for winter manure spreading, having positive effects on groundwater and surface water quality throughout the Chateaugay River Watershed. **\$843,575**
- **Lewis County SWCD** – Implement BMPs on six farms in the Black River Watershed. Systems to be installed include: manure storage facilities, short-term rotational grazing, silage leachate control systems, barnyard roof runoff structures, diversions, stream crossings, and heavy use area protection systems. This project will have a positive benefit on the Black River by reducing the amount of sediment and nutrients from entering the watershed. **\$777,429**
- **Washington County SWCD** – Install an anaerobic digester on one farm in the Halfway Creek Watershed, a subwatershed of the Lake Champlain Basin. The digester will allow the farm to make better use of its nutrients, lowering the potential for runoff to the surrounding watershed, and have the added benefit of converting animal waste to methane gas to produce a clean-renewable source of energy for the farm and potentially the power grid. **\$122,100**

#### **CENTRAL NEW YORK - \$3,542,482**

- **Cortland County SWCD** - Implement barnyard runoff management, milking center wastewater treatment and disposal BMPs on four farms to control nutrient and sediment loads to the Upper Tioughnioga Watershed. These projects on the four farms will eliminate areas of uncontrolled runoff and provide for the containment and collection of concentrated sources of nutrients. **\$317,624**

- **Cortland County SWCD** - Continued implementation of BMPs on four farms in the Otselic River Watershed. Specifically barnyard runoff management and silage leachate control systems will be implemented to reduce the risk of nutrients and other pollutants from entering the watershed. **\$443,537**
- **Madison County SWCD** – Develop 11 CNMPs on over 3,000 acres in three sub-watersheds of the Upper Susquehanna River. Completion and implementation of CNMPs on these priority farms will help to reduce several types of agricultural nonpoint sources of pollution such as silt, sediment, pathogens, and excess nutrients. **\$75,460**
- **Madison County SWCD** – Install manure storage facilities and barnyard runoff management systems on five farms in the Chenango River Watershed in Madison and Chenango Counties. Because the Chenango River is a major tributary of the Susquehanna River, the practices to be installed address water quality issues that impact the Susquehanna, and ultimately the Chesapeake Bay. **\$461,275**
- **Madison County SWCD** – Implement BMPs on eight farms in the Upper Tioughnioga Watershed. Practices to be installed include: silage leachate control, barnyard runoff management, rotational grazing systems and a manure storage facility. This project will reduce nutrient loading into the watershed, increasing water quality and improving the habitat of aquatic life. **\$589,110**
- **Madison County SWCD** – Implement short duration grazing systems on 12 farms in the Upper Susquehanna River Watershed in Madison and Otsego Counties. Managed grazing systems will significantly reduce erosion and nutrient issues benefiting aquatic habitat in the affected watercourses. **\$101,983**
- **Madison County SWCD** – Implement 16 BMPs on five farms in the Unadilla River Watershed of Madison and Oneida Counties. Practices to be installed include: riparian forest buffers, barnyard runoff management, heavy use area protection, diversions, and manure storage facilities. These practices will have a positive impact on water quality within the watershed by reducing the amount of sediment and nutrients that can reach the river and its tributaries. **\$279,753**
- **Oneida County SWCD** – Implement 17 BMPs on 12 priority farms in the Mohawk River Watershed. The planned practices are in close proximity to the river and will reduce nonpoint sources of pollution in the Mohawk River Watershed. Practices to be installed include: barnyard runoff management, silage leachate management, and manure storages. In an extra effort to protect the river, all participating farms will also be installing conservation buffers to contain excess sediment and nutrients before entering the watercourse. **\$463,667**
- **Onondaga County SWCD** – Implement 16 BMPs on 9 high priority farms in the sub-watersheds of Otisco Lake, Onondaga Creek and Nine-Mile Creek. Systems include: barnyard runoff management, milk center waste water treatment, composting facilities, animal trails and walkways, pasture management, and livestock exclusion. Addressing

nutrients, pathogens and sediment pollution will help improve water quality in the affected watersheds. **\$427,159**

- **Onondaga County SWCD** – Implement five BMPs on four farms in the Skaneateles Lake Watershed, the water supply for the City of Syracuse. The systems to be installed include: barnyard runoff management, composting, pathogen management-calf structure, and an agri-chemical mixing facility. This project will help reduce and/or eliminate nonpoint sources of agricultural pollution from pathogens, nutrients, sediment and pesticides. These projects will allow the comprehensive watershed management program of the Skaneateles Lake Watershed Agricultural Program to continue to satisfy the filtration avoidance criteria for Skaneateles Lake as required by the New York State Department of Health. **\$106,713**
- **Onondaga County SWCD** – Implement 16 BMPs on ten priority farms within the Seneca River Watershed. Practices to be installed include: barnyard runoff management, a grassed waterway, access road improvement, pasture management, silage leachate control, nutrient management consisting of compost facilities, milk center waste treatment, an agrichemical mixing facility, and a nutrient/sediment control system. Pollutant sources that will be addressed include bio-chemical oxygen demand, nutrients, sediment, pesticide, and pathogens. **\$276,201**

#### **MOHAWK VALLEY - \$477,214**

- **Montgomery County SWCD** - Implement BMPs on two farms in the Flat Creek Watershed. Practices to be installed include: a manure storage facility, milk center waste treatment and disposal, heavy use area protection, silage leachate control, and roof water management systems. These practices will decrease the amount of nutrients and pathogens from entering the watershed. **\$200,648**
- **Otsego County SWCD** – Implement pasture management systems on seven livestock operations in the Upper Susquehanna River Watershed. These practices will reduce the amount of soil and nutrients that are lost to erosion and leaching, as well as reduce the amount of nutrient and pathogen loading to the watershed by restricting access of livestock to the creeks, streams, and other hydrologically sensitive areas. **\$61,470**
- **Otsego County SWCD** – Implement manure storage and a low-flow collection system wastewater treatment strip on one farm in the Lower Unadilla River Watershed. These practices will decrease the potential for nutrients and effluent with a high biological oxygen demand from reaching the waterbody. **\$98,100**
- **Schoharie County SWCD** – Implement CNMPs on four farms in the Cobleskill Creek and Flat Creek Watersheds, both draining into the Mohawk River. The plans will insure proper distribution of nutrients and prescribe other appropriate management practices to reduce the potential for runoff and pollution to occur in the watershed. **\$29,828**
- **Schoharie County SWCD** – Implement BMPs on one farm in the Flat Creek Watershed. Systems to be installed include: silage leachate management, milkhouse waste collection,

roof water management, heavy use area protection, and access road improvement. This project will decrease the potential of nutrients reaching the watershed. **\$87,168**

**DOWNSTATE NEW YORK - \$251,189**

- **Orange County SWCD** – Implement BMPs on 20 farms in the Wallkill River Watershed, focusing on barnyard water management, stream protection, and grazing systems. Through the implementation of this project, nutrient, sediment, and pesticides will be addressed, thus improving the water quality of the Wallkill River. **\$157,717**
  
- **Suffolk County SWCD** – Implement petroleum bulk storage containment practices on 16 farms located above Suffolk County’s Federal Environmental Protection Agency designated sole source aquifer, which is the drinking supply for most of the County’s residence. The new storage tanks will be double walled and professionally installed on concrete pads to reduce the potential for groundwater contamination from existing single walled tanks. **\$93,472**

**TOTAL NEW YORK STATE - \$13,081,295**