

Climate Resilient Farming, Round 7 - Project Descriptions

RFP 0291

Track	Organization	Project Description	State Funding Requested	Total Project Amount	GHG Reduction Estimation (MTCO2 eq/yr.)
Track 1: Livestock Management Projects: reduce methane emissions from livestock operations including manure management through the collection and destruction of methane and increase resiliency to major precipitation events.					
1	Chautauqua SWCD	<p>\$423,403 was awarded to Chautauqua County Soil and Water Conservation District to work with a dairy farm to install a cover and flare system. The installation of the cover will be the second-phase of an on-going waste reduction project where the farm is already installing a manure solids separator facility. This project will reduce GHG emissions and increase resiliency. Methane has 84 times more global warming potential in the atmosphere than CO2 over a 20 year timespan. The farm will also eliminate 3.4M gallons of precipitation from entering the storage and reduce fossil fuel use on farm.</p>	\$ 423,403.00	\$ 604,834.00	27,047
1	Montgomery SWCD	<p>\$462,956 was awarded to Montgomery County Soil and Water Conservation District to work with a dairy farm that had installed a cover and flare system that is now past its life expectancy. The project will support a new manure management system that will improve efficiency and reduce GHG emissions. The manure management system will include a manure separation system.</p>	\$ 462,956.00	\$ 575,100.00	1,304
1	Ontario SWCD	<p>\$934,115 was awarded to Ontario County Soil and Water Conservation District to work with a dairy farm to install a manure storage cover and flare system that will include separation of manure solids for use as a primary bedding material for the farm, creating a closed loop system. This project will reduce GHG emissions and increase resiliency. Methane has 84 times more global warming potential in the atmosphere than CO2 over a 20 year timespan. The manure storage cover will also keep 425,000 gallons of precipitation from entering the storage resulting in added manure storage capacity and a significant water quality benefit.</p>	\$ 934,115.00	\$ 1,241,065.00	6,659

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1	Ontario SWCD	<p>\$167,115 was awarded to Ontario County Soil and Water Conservation District to work with a dairy farm to expand the farm's manure transfer infrastructure to allow the farm to cover an additional 1,000 acres of cropland with direct manure injection. The manure transfer system supports the farm's methane digester. The farm will be able to inject manure to enhance its nutrient management system on its crop fields and partner with several neighboring crop farms to provide manure as a fertilizer source, reducing fossil fuel based fertilizer purchases locally.</p>	\$ 167,115.00	\$ 317,065.00	12
1	Rensselaer SWCD	<p>\$560,813 was awarded to Rensselaer County Soil and Water Conservation District to work with a dairy farm to replace an outdated single membrane anerobic digester cover. The replacement cover will have a double membrane eliminating methane leakage and improving resiliency of the system as it will be less prone to tearing in the future. Other system replacements will be made to improve efficiency of the digester ensuring continued GHG reductions into the future.</p>	\$ 560,813.00	\$ 748,200.00	110

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1	Schoharie SWCD	<p>\$1,458,120 was awarded to Schoharie County Soil and Water Conservation District to work with a dairy farm to improve their manure management system. A complete system for GHG reduction will include a manure storage with a cover and flare system installed and decommissioning the existing storage at the end of its lifespan. Solid/liquid separation equipment will be implemented to reuse solids for bedding. This project will reduce GHG emissions and increase resiliency. Methane has 84 times more global warming potential in the atmosphere than CO2 over a 20-year timespan. The farm will also eliminate 1.6M gallons of rainwater from entering the storage, adding to storage capacity and water quality benefits.</p>	\$ 1,458,120.00	\$ 1,826,850.00	7,409
1	Steuben SWCD	<p>\$511,125 was awarded to Steuben County Soil and Water Conservation District to work with a dairy farm to implement a covered manure storage facility, including solid separation to reduce the volume of manure managed. Keeping manure solids dry and recycled in the bedding system will reduce methane production. The farm will become more resilient by using reusable manure solids for bedding, reducing the need for imported bedding material. Manure separation will reduce the volume of manure in the storage helping to address any potential water quality concerns.</p>	\$ 511,125.00	\$ 683,500.00	3,317

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1	Tompkins SWCD	<p>\$734,790 was awarded to Tompkins County Soil and Water Conservation District to work with a dairy farm to install a manure storage cover and flare system. This project will reduce GHG emissions and increase resiliency. Methane has 84 times more global warming potential in the atmosphere than CO2 over a 20-year timespan. The farm will also avoid 330,000 gallons of precipitation from entering the storage once the cover is installed, eliminating 36 tractor trailer loads of hauling across their fields when incorporating manure, reducing fossil fuel use.</p>	\$ 734,790.00	\$ 925,990.00	9,877
1	Washington SWCD	<p>\$885,000 was awarded to Washington County Soil and Water Conservation District to work with a dairy farm to implement a composted bedded pack system for manure management. This alternative manure management system will eliminate daily spread of manure, protecting water quality and creating a stable soil amendment, which will improve soil health and reduce synthetic fertilizer use on farm. The overall switch in manure management will improve the nutrient value of the manure, reduce GHG emissions, and increase water quality in the surrounding watershed.</p>	\$ 885,000.00	\$ 1,183,250.00	47

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<i>Track 2: Adaptation and Resiliency: enhance climate resiliency and adaptive capacity of the farm operation; improved water management increases resiliency to drought and flood conditions as a result of climate change.</i>					
2	Allegany SWCD	\$138,690 was awarded to Allegany County Soil and Water Conservation District to work with a beef farm on improvement and expansion of their rotational grazing system, converting 100 acres of corn and hay rotation to permanent pasture. Conversion from annual row crops to permanent pasture will reduce GHG emission and increase carbon sequestration. The increased forage production during drought years will aid in the resiliency of the farm.	\$ 138,690.00	\$ 185,040.00	166
2	Chautauqua SWCD	\$38,170 was awarded to Chautauqua County Soil and Water Conservation District to work with a vegetable farm to implement a beneficial electrification project. An electric irrigation pump will replace an inefficient diesel pump, reducing GHG emissions by eliminating 510 gallons of diesel fuel use annually.	\$ 38,170.00	\$ 47,720.00	5
2	Chautauqua SWCD	\$104,737 was awarded to the Chautauqua County Soil and Water Conservation District to work with a vegetable, fruit, and sheep farm to install an efficient gravity spring irrigation system and livestock water line, and increase pasture space for rotational grazing and silvopasture. The gravity spring and livestock water line will increase the farm's climate resiliency, ensuring the farm has the ability to irrigate its crops during droughts and opens access to more pasture for rotational grazing, reducing the risk of soil compaction, contraction of parasites, and the need for supplemental feeding. The project will also open additional paddock space for silvopasture, further protecting the on-site natural resources and the farm from the effects of increased flooding and drought.	\$ 104,737.00	\$ 130,951.00	18

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2	Cortland SWCD	<p>\$196,308 was awarded to Cortland County Soil and Water Conservation District to work with a dairy farm to implement a system that will improve the farm's ability to manage nutrients, eliminating 2,400 truck loads and fuel usage annually associated with transporting and spreading nutrients to crop fields. A riparian forest buffer will also be installed along an unnamed tributary to Otter Creek.</p>	\$ 196,308.00	\$ 257,355.00	112
2	Cortland SWCD	<p>\$257,561 was awarded to Cortland County Soil and Water Conservation District to work with a dairy farm to implement an irrigation water management system and riparian forest buffer system. These systems will make the farm more resilient to drought by providing a reliable water supply of 3M gallons with a pipeline delivery system. The farm has also agreed to allow the Virgil Fire Department to install a dry hydrant at this location for community fire protection.</p>	\$ 257,561.00	\$ 338,255.00	66
2	Cortland SWCD	<p>\$83,783 was awarded to Cortland County Soil and Water Conservation District to work with a small cash crop operation to implement a stream corridor rehabilitation plan, including planting of trees and shrubs for a riparian forest buffer along the stream corridor. Woody trees and shrubs increase carbon sequestration and reduce GHG emissions.</p>	\$ 83,783.00	\$ 106,183.00	16

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2	Cortland SWCD	<p>\$82,842 was awarded to Cortland County Soil and Water Conservation District to work with an orchard to implement an irrigation water management project. An irrigation pond will capture overflow from an existing irrigation system, making better and efficient use of the irrigation system. Stormwater practices being proposed include tree and shrub plantings. The project will increase the farm's resiliency to flooding, heavy rainfall events, and periods of drought while increasing carbon sequestration by the planting of tree and shrubs.</p>	\$ 82,842.00	\$ 105,440.00	9

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2	Cortland SWCD	<p>\$300,187 was awarded to the Cortland County Soil and Water Conservation District to implement a silage leachate irrigation water management system on a 1,700 acre dairy farm in the Tioughnioga River Watershed, a tributary of the Susquehanna River. The project will include 1,250 feet of buried piping, a pumping plant, and an associated traveling sprinkler system. These systems will make the farm more resilient by eliminating truck hauling and instead irrigating this valuable nutrient to nearby crop fields, allowing the farm to irrigate during periods of drought and minimize crop loss due to variabilities in weather. This project also includes a two-acre riparian forest buffer, protecting nearly 1,100 linear feet of river shoreline and increasing carbon sequestration, further reducing GHG emissions.</p>	\$ 300,187.00	\$ 452,462.00	70
2	Erie SWCD	<p>\$153,595 was awarded to Erie County Soil and Water Conservation District to work with a nonprofit farm collective cultivating farmer-led and community-rooted agriculture and food systems to assist underserved population. The project will install an irrigation water management system to create efficiencies, improve resiliency, and reduce GHG emissions. The farm has been experiencing the need for an increased amount of irrigation water required during the growing season and intensified and more frequent dry spells and droughts.</p>	\$ 153,595.00	\$ 201,470.00	3

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2	Erie SWCD	\$107,475 was awarded to Erie County Soil and Water Conservation District to work with a vegetable farm that has been protected by the NYS Agricultural and Farmland Protection Program with the purchase of development rights that are held by the Western NY Land Conservancy. The project will implement stream bank stabilization to repair eroding bank, restore floodplain, and establish native riparian trees and shrubs. The projects will also protect the farm's water pump and electrical infrastructure.	\$ 107,475.00	\$ 143,750.00	2
2	Erie SWCD	\$272,011 was awarded to Erie County Soil and Water Conservation District to work with a dairy farm to implement an irrigation water management system, including an irrigation reservoir, livestock pipeline, and solar powered pumping plant. The system will provide 3M gallons of water for livestock drinking water and wash water for the dairy farm. The new system will eliminate the need to purchase and truck in water from off the farm, reducing GHG emissions through reduced fossil fuels and the conversion of cropland to permanent grasses surrounding the irrigation reservoir.	\$ 272,011.00	\$ 359,214.00	8
2	Essex SWCD	\$233,504 was awarded to Essex County Soil and Water Conservation District to work with multiple farms to implement water management systems that will directly protect high-priority watersheds, critical streams, and habitat from excessive agricultural runoff while increasing the capacity of the farms to improve soil health and carbon sequestration practices.	\$ 233,504.00	\$ 294,704.00	25

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2	Madison SWCD	\$100,250 was awarded to Madison County Soil and Water Conservation District to work with a small dairy farm to increase their resiliency. The project will install a riparian forest buffer, resize a stream channel, and install a lined waterway and diversion to greatly increase the farms ability to withstand future severe storm events. The buffer will also increase carbon sequestration through the planting and promoting native vegetation.	\$ 100,250.00	\$ 131,775.00	17
2	Madison SWCD	\$196,095 was awarded to Madison County Soil and Water Conservation District to work with an organic dairy experiencing erosion that is impacting the farm's pastureland. The project will stabilize sections of the nearly 5,000 feet of stream that sits adjacent to the pastureland. Stabilization of the banks will be accomplished through a combination of hard rock armoring and vegetative plantings.	\$ 196,095.00	\$ 254,170.00	17
2	Madison SWCD	\$69,245 was awarded to Madison County Soil and Water Conservation District to work with a small dairy that is experiencing severe erosion during storm events. A combination of reduced tillage, crop rotation, and cover crops will be implemented to improve soil health and reduce erosion in the field. Additionally, water and sediment control basins will be installed to control runoff water and sediment during future storm events.	\$ 69,245.00	\$ 89,730.00	35

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2	Niagara SWCD	<p>\$61,840 was awarded to the Niagara County Soil and Water Conservation District to implement a micro-irrigation system on a 150-acre orchard farm. This micro-irrigation system project will install small sensors in specific trees to precisely monitor the water requirements of the monitored and surrounding trees, helping to conserve water and eliminating emissions. This project will increase crop yield, crop quality, overall tree health, minimize water use, lessen nutrient and sediment runoff, protect the water quality of local waterways, and further prepare the farm to respond to extreme weather events driven by climate change.</p>	\$ 61,840.00	\$ 80,590.00	3

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2	Oneida SWCD	<p>\$188,610 was awarded to Oneida County Soil and Water Conservation District to work with a nonprofit organization founded by Marine Corps Veterans who are working on implementing regenerative agriculture practices. The project will install a water management system, including a retention pond for irrigation and agroforestry cropping system.</p>	\$ 188,610.00	\$ 252,281.00	243
2	Onondaga SWCD	<p>\$107,489 was awarded to Onondaga County Soil and Water Conservation District to work with a dairy to install a water recycling and collection system. Approximately 23,000 gallons of water will be collected daily from a nutrient manure storage and captured to be utilized through a plate cooler to pre-cool the milk, reducing on-farm energy needs. The additional water will also be used for cow comfort and as a source for fire suppression, increasing resiliency.</p>	\$ 107,489.00	\$ 179,038.00	78
2	Onondaga SWCD	<p>\$75,509 was awarded to Onondaga County Soil and Water Conservation District to work with an egg farm to implement a farm pond with a gravity-fed supply line to the production facility. The project will include an ultraviolet treatment to address biosecurity concerns, and a dry hydrant will be installed to address local community resiliency needs for fire suppression.</p>	\$ 75,509.00	\$ 115,340.00	48

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2	Onondaga SWCD	<p>\$68,943 was awarded to the Onondaga County Soil and Water Conservation District to implement water and erosion control practices on three agricultural operations. This project largely focuses on installing water and sediment control basins (WASCOB) to capture field runoff, helping to keep water clean. This project also includes a diversion plan to convey water along the edge of fields to minimize flooding on a neighboring residential property, and a plan to stabilize a farm road to shed water into adjacent woods to reduce the volume of stormwater entering the WASCOB. This project will greatly improve the flood resiliency and erosion control of these three farms.</p>	\$ 68,943.00	\$ 105,367.00	6

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2	Onondaga SWCD	<p>\$196,705 was awarded to the Onondaga County Soil and Water Conservation District to better manage water resources and increase resiliency on two farms. One farm will implement stream stabilization practices to decrease instances of cropland flooding, as well as an irrigation water management system to increase resiliency for the farm's five acre apple orchard. The other farm will implement approximately 1.2 acres of critical area planting to increase riparian vegetation and decrease erosion, nutrient and fertilizer runoff, and cropland flooding.</p>	\$ 196,705.00	\$ 250,949.00	3
2	Ontario SWCD	<p>\$147,390 was awarded to Ontario County Soil and Water Conservation District to work with a large organic vegetable farm to develop two farm ponds for water irrigation for 900 acres of vegetables. The ponds will provide storage of 10M gallons together and water control structures will reduce concentrated water flow from causing damaging erosion in large storm events.</p>	\$ 147,390.00	\$ 279,215.00	-
2	Orange SWCD	<p>\$57,000 was awarded to Orange County Soil and Water Conservation District to work with a diversified operation that includes beef, hay, pumpkins, and Christmas trees. The project will update the farm's irrigation system to include a permanently installed distribution line and connection to a reliable water supply, which will reduce labor and GHG emissions. This project will make the farm more resilient in times of drought.</p>	\$ 57,000.00	\$ 84,060.00	-

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2	Orange SWCD	\$66,380 was awarded to Orange County Soil and Water Conservation District to work with a sod farm in the Black Dirt Region to install a more efficient irrigation water management system. The new system will reduce water usage, improve distribution, reduce energy consumption associated with the pump operation, and reduce fuel usage and GHG emission.	\$ 66,380.00	\$ 93,680.00	7
2	Orange SWCD	\$109,000 was awarded to the Orange County Soil and Water Conservation District to implement 181 acres of irrigation water management systems on a 700-acre apple orchard farm. This project also includes the construction of two new wells for irrigation. This project will increase the farm's ability to irrigate effectively by 25%, or the addition of 100 gallons per minute to the farm's total capacity. The increased storage and irrigation capabilities will make the farm more resilient to drought and extreme weather, improving its long term sustainability.	\$ 109,000.00	\$ 150,580.00	-
2	Orleans SWCD	\$132,680 was awarded to Orleans County Soil and Water Conservation District to implement a riparian forest buffer system on 8.6 acres. The buffer will help stabilize the stream corridor, create habitat, increase carbon sequestration and reduce GHG emissions.	\$ 132,680.00	\$ 172,520.00	69

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2	Rensselaer SWCD	\$142,597 was awarded to the Rensselaer County Soil and Water Conservation District to construct 1,240 feet of stream bank protection and repair a critically important stream crossing to restore access to many fields and a farmhouse. Increased yearly extreme precipitation events have made the stream crossing no longer accessible, meaning the farm cannot reach its hay fields. The stream bank protection, critical area planting, and riparian forest buffer and herbaceous cover will increase carbon sequestration, stabilize eroding banks, and help to filter any runoff.	\$ 142,597.00	\$ 190,129.00	10
2	Schenectady SWCD	\$38,870 was awarded to Schenectady County Soil and Water Conservation District to work with a fruit and nut orchard on a water irrigation management system. A water reservoir and pumping station will be tied into an existing farm pond to meet irrigation needs. A riparian forest buffer around the pond will protect water quality and promote biodiversity and providing habitat.	\$ 34,870.00	\$ 50,526.00	15

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2	Schoharie SWCD	\$290,735 was awarded to Schoharie County Soil and Water Conservation District to work with a vegetable farm to implement a drip irrigation system. The system will optimize soil moisture and limit weed pressure and mechanical cultivation of weeds. More efficient water irrigation will reduce GHG emissions through the reduction in fossil fuels used for tillage, cultivation, and synthetic fertilizer application.	\$ 290,735.00	\$ 364,585.00	5
2	Tompkins SWCD	\$166,390 was awarded to Tompkins County Soil and Water Conservation District to work with a diverse group of producers including livestock, nursery stock, vegetable, orchard, and small fruit crop producers to implement ponds for control and collection of excess surface water during high rain events and wet conditions. By implementing these irrigation ponds and associated irrigation water management systems, the farms will decrease GHG emissions by decreasing vehicle trips needed to truck water for crops, trees, and livestock from off-farm sources.	\$ 166,390.00	\$ 205,675.00	5
2	Ulster SWCD	\$148,830 was awarded to Ulster County Soil and Water Conservation District to work with two vegetable farms on irrigation water management systems. Inefficient diesel irrigation pumps will be replaced with electric pumps and an existing farm pond will be expanded to meet irrigation needs. The project will realize more effective irrigation water management, improved crop rotations, reduced fossil fuel usage, reduced GHG emissions, and eliminate the location of a diesel pump in a floodway.	\$ 148,830.00	\$ 262,380.00	44

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2	Wayne SWCD	<p>\$29,450 was awarded to Wayne County Soil and Water Conservation District to work with a vegetable and maple operation to implement an irrigation water management system. The project will also include the establishment of pollinator habitat to increase beneficial insects that support the farm operation and add to biodiversity.</p>	\$ 29,450.00	\$ 39,342.00	1

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2	Wayne SWCD	\$154,663 was awarded to Wayne County Soil and Water Conservation District to work with a vegetable and fruit farm to implement an irrigation water management system to water 30 acres of fruit trees. The project will also incorporate an integrated pest management system and weather monitoring system to prevent pest and frost damage related to climate change.	\$ 154,663.00	\$ 219,825.00	200
2	Wayne SWCD	\$35,468 was awarded to Wayne County Soil and Water Conservation District to work with a fruit orchard on their irrigation water management system, installing a micro-irrigation drip system over 22 acres of high-density fruit trees. The system will directly apply water or fertilizer to the root zone and maintain soil moisture. A riparian buffer will be installed to promote biodiversity and pollinator habitat.	\$ 35,468.00	\$ 51,153.00	147
2	Washington SWCD	\$154,625 was awarded to Washington County Soil and Water Conservation District to work with a beef farm to implement a stream corridor and shoreline management system that will ensure safe access to the rotational grazing system on the western side of Black Creek. Proper grazing management increases carbon sequestration and improved nitrogen management, leading to reduced GHG emissions. Water control structures will allow for proper floodplain connectivity during high water events, increasing climate resiliency, and a riparian buffer will aid in improved aquatic habitat.	\$ 154,625.00	\$ 208,125.00	18
2	Yates SWCD	\$292,160 was awarded to Yates County Soil and Water Conservation District to work with a vineyard on Keuka Lake. The farm will implement several types of erosion control practices, including underground outlets and diversion ditches. The improved diversion ditches and vegetation will capture and retain water during storm events and act as a carbon sink.	\$ 292,160.00	\$ 402,260.00	11

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Track 3: Healthy Soils NY: Soil Health practices sequester carbon, improve water quality and increase resiliency to the impacts of climate change.					
3	Cayuga SWCD	\$1,410,562 was awarded to the Cayuga County Soil and Water Conservation District to implement 21,390 acres of conservation practices on eight farms. Cover crops, crop residue and tillage management, reduced tillage, and deep tillage will be utilized to increase soil conservation and health, leading to reduced soil erosion, reduced soil compaction, increased organic mater, and increased water holding capacity of the soil. These conservation practices will also reduce the potential for nutrient runoff and improve water quality within the Finger Lakes Watersheds, including Owasco and Cayuga Lakes.	\$ 1,410,562.00	\$ 1,757,605.00	2,265
3	Cayuga SWCD	\$769,812 was awarded to the Cayuga County Soil and Water Conservation District to implement 8,770 acres of cover crops and 600 acres of deep tillage to alleviate compaction on 12 farms over three years. This project will decrease soil erosion, reduce runoff, enhance soil health, increase organic matter, improve moisture retention, and sequester carbon within the Cayuga and Seneca Lake Watersheds.	\$ 769,812.00	\$ 956,865.00	983
3	Chautauqua SWCD	\$308,571 was awarded to the Chautauqua County Soil and Water Conservation District to implement a manure injection system for five farms to more efficiently manage nutrients for a total of 4,380 acres of cropland injected over three years. A manure injection system ensures manure is efficiently utilized, maximizing its benefits for crop growth and soil health improvement while reducing the risk of runoff into the surrounding watershed.	\$ 308,571.00	\$ 461,653.00	720

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3	Cortland SWCD	<p>\$115,708 was awarded to the Cortland County Soil and Water Conservation District to implement a riparian buffer on 1.4 acres, 100 acres of cover crops, and the installation of a crossing for manure injection systems to open access to 170 additional acres of cropland. The implementation of a riparian buffer and cover crops will decrease soil erosion, reduce runoff, enhance soil health, increase organic matter, improve moisture retention, and sequester carbon. Manure injection greatly increases the farm's nutrient management capacity, reduces storage time and emissions from manure, reduces truck traffic and compaction which will improve soil health, and reduce fuel usage and greenhouse gas emissions.</p>	\$ 115,708.00	\$ 169,850.00	90

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3	Franklin SWCD	<p>\$387,655 was awarded to the Franklin County Soil and Water Conservation District to implement 1,320 acres of cover crops on 10 farms. These farms are within the Chateauguay River, Salmon River, and St. Regis Watersheds. Cover cropping will increase ground plant cover and bolster soil health, resulting in reduced erosion and nutrient and sediment runoff.</p>	\$ 387,655.00	\$ 512,275.00	382
3	Genesee SWCD	<p>\$268,760 was awarded to the Genesee County Soil and Water Conservation District to implement 3,288 acres of cover crops on two dairy farms, two cash crop farms, and three beef farms. This project will increase soil organic matter through carbon sequestration, improve water retention, reduce erosion, reduce soil compaction, and increase nitrogen fixation, reducing the need for additional fertilizer use across seven farms.</p>	\$ 268,760.00	\$ 352,247.00	371

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3	Madison SWCD	<p>\$94,150 was awarded to Madison County Soil and Water Conservation District to work with an organic crop farm that has actively implemented soil health practices, installed solar power, and eliminated the use of synthetic fertilizer. The SWCD will use the grant to assist the farm to transition to reduced-tillage methods for crop production. Reduced tillage decreases the number of passes across the field, increases organic matter by reducing soil disturbance, and increases overall soil health. The farm will also introduce double cropping and increase use of cover crops. A central tire inflation system will be installed to reduce soil compaction and increase fuel economy, thereby reducing greenhouse gas emissions.</p>	\$ 94,150.00	\$ 122,082.00	130

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3	Onondaga SWCD	<p>\$69,186 was awarded to the Onondaga County Soil and Water Conservation District to implement a prescribed grazing system for beef cows on 28 acres of farmland. Rotational grazing limits the time cows spend in a single area, which will decrease sediment and animal manure migration into the tributary of Limestone Creek. This project will increase perennial pasture and forage quality, and improve overall soil health and climate resilience.</p>	\$ 69,186.00	\$ 110,687.00	35
3	St. Lawrence SWCD	<p>\$410,504 was awarded to the St. Lawrence County Soil and Water Conservation District to implement an expansion of a dairy farm's manure injection system to greatly increase nutrient management. A manure injection system ensures manure is efficiently utilized, maximizing its benefits for crop growth and soil health improvement while reducing the risk of runoff. This project includes 13,271 feet of buried manure transfer pipeline that enables the farm to access 519 additional acres with their manure injection system.</p>	\$ 410,504.00	\$ 587,396.00	74

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3	St. Lawrence SWCD	<p>\$234,055 was awarded to the St. Lawrence County Soil and Water Conservation District to work with a dairy farm to enhance nutrient management and reduce methane and volatile nitrogen emissions by expanding their manure soil injection system. The project will result in manure injected over 980 acres, aiding in carbon sequestration, reduction of greenhouse gasses, and many other water quality, climate, and soil health benefits. Additionally, the project will include 800 acres of cover crops and 800 acres of reduced tillage management to increase soil health on the farm.</p>	\$ 234,055.00	\$ 406,050.00	419
3	St. Lawrence SWCD	<p>\$118,025 was awarded to the St. Lawrence County Soil and Water Conservation District to implement 1,350 acres of cover crops and 900 acres of reduced tillage on two dairy farms. Implementing cover crops on these farms will enhance soil health, prevent erosion, increase organic matter, break pest cycles, suppress weeds, and improve water absorption. Reduced tillage will enhance soil health and maintain organic matter, thereby increasing the soil's water absorbing capabilities and elevating climate resiliency throughout the watershed.</p>	\$ 118,025.00	\$ 146,975.00	197

Track	Organization	Project Name	State Funding Requested	Total Project Amount	<i>GHG Reduction Estimation (MTCO2 eq/yr.)</i>
3	Schoharie SWCD	<p>\$223,135 was awarded to the Schoharie County Soil and Water Conservation District to implement an Erosion Control System by installing an alley cropping system of harvestable nut trees. This project will benefit the environment by greatly reducing erosion, sedimentation, and runoff and improve soil health due to reduced tillage, increases in carbon sequestration due to the addition of trees in a perennial system, and reduced fuel usage. It will also increase the water holding capacity of the soil, thereby reducing flooding within West Creek/Cobleskill Creek Watersheds.</p>	\$ 223,135.00	\$ 282,835.00	475
3	Seneca SWCD	<p>\$180,890 was awarded to the Seneca County Soil and Water Conservation District to implement 2,145 acres of cover crops on seven farms over the course of three years. The implementation of cover crops will decrease soil erosion, reduce runoff, greatly enhance soil health, increase organic matter, and reduce greenhouse gas emissions. This project will bolster the farms' resiliency to flooding and resulting erosion, reducing nutrient runoff and building soil health.</p>	\$ 180,890.00	\$ 256,592.85	242

Track	Organization	Project Name	State Funding Requested	Total Project Amount	<i>GHG Reduction Estimation (MTCO2 eq/yr.)</i>
3	Tioga SWCD	<p>\$64,186 was awarded to the Tioga County Soil and Water Conservation District to implement 750 acres of cover crops on one farm. This project also includes education and outreach for all aspects of soil health. Implementing cover crops will increase soil organic matter, nutrient cycling, soil nitrogen availability, and water holding capacity of the soil in addition to reducing compaction and erosion, and promote weed suppression.</p>	\$ 64,186.00	\$ 81,221.00	85

Track	Organization	Project Name	State Funding Requested	Total Project Amount	GHG Reduction Estimation (MTCO2 eq/yr.)
3	Wayne SWCD	<p>\$185,856 was awarded to the Wayne County Soil and Water Conservation District to implement 830 acres of cover crops on four farms for three years, resulting in 2,490 acres of cover cropping over the life of the project. Much of the project acreage borders directly on the Canandaigua Outlet, and cover cropping will increase the farms' climate resiliency, greatly improve the soil health of the land, and elevate water quality in the surrounding watershed.</p>	\$ 185,856.00	\$ 244,981.00	281
			\$ 15,974,279.00	\$ 21,411,007.85	64,012.30

Track		Awarded
1	Livestock Management	\$ 6,137,437.00
2	Adaptation & Resiliency	\$ 4,995,787.00
3	Healthy Soils NY	\$ 4,841,055.00
		\$ 15,974,279.00