Track 1- Manure Storage and Flare

$429,929 was awarded to the Wyoming County Soil and Water Conservation District to work with a dairy farm to install a manure storage cover and flare. The system will:

- Dramatically reduce methane emissions from the manure storage
- Promote energy savings and farm viability by reducing diesel fuel use
- Keep 3.5 million gallons of clean rainwater out of the storage, mitigating water quality concerns especially during major precipitation events

$268,350 was awarded to the Cortland County Soil and Water Conservation District to work with a dairy farm to install a manure storage cover and flare. The system will:

- Dramatically reduce methane emissions from the manure storage and its impacts will be studied by researchers at Cornell PRO-DAIRY
- Keep clean rainwater out of the storage, mitigating water quality concerns, especially during major precipitation events
- Enhance farm viability

$176,839 was awarded to the Genesee County Soil and Water Conservation District to work with a dairy farm to install a manure storage cover and flare. The system will:

- Dramatically reduce methane emissions from the manure storage
- Promote energy savings and farm viability by reducing diesel fuel use
- Keep two million gallons of clean rainwater out of the storage, mitigating water quality concerns, which is particularly important in the Upper Tonawanda Creek, Black Creek, and Oatka Creek watersheds

$141,500 was awarded to the Erie County Soil and Water Conservation District to work with a dairy farm to install a manure storage cover and flare. The system will:

- Dramatically reduce methane emissions from the manure storage
- Promote energy savings and farm viability by reducing diesel fuel use
- Keep two million gallons of clean rainwater out of the storage, mitigating water quality concerns

$83,382 was awarded to the Wayne County Soil and Water Conservation District to work with a swine farm to install an already designed manure storage cover and flare system. The farm has demonstrated commitment to environmental concerns, and

specifically climate change concerns, by implementing a variety of conservation practices including a 655 kW solar energy system. The cover and flare system will:

- Substantially reduce greenhouse gas emissions
- Prevent more than one million gallons of water from becoming contaminated with manure

Track 2- Water Management

$75,000 was awarded to the Orange County Soil and Water Conservation District to work with a farm on a flood resiliency project. It will create a floodplain bench through Stream Corridor Management and Riparian Buffer systems on a ¾ mile stretch of the Wallkill River. The floodplain bench will:

- Reduce flooding risk to approximately 3,000 acres of agricultural lands
- Enhance farm viability

$46,324 was awarded to the Onondaga County Soil and Water Conservation District to work with a farm to enhance flood resiliency in a changing climate. The project involves repairing a dam and recreating a pond and associated wetlands. This project will:

- Protect the water supply from sediment erosion from farms upstream
- Protect farms downstream from flooding
- Protect water quality
- Mitigate the impact of storms by reducing the risk of flooding

$26,705 was awarded to the Albany County Soil and Water Conservation District to work with a farm on a storm water retention project in an irrigation reservoir. This planned water management strategy will:

- Enhance farm operations in flood and drought conditions
- Prevent erosion
- Reduce greenhouse gas emissions by using solar power to operate the irrigation system

Track 3- Soil Health

$73,778 was awarded to the Wayne County Soil and Water Conservation District to work with a farm to implement a variety of soil health measures, including cover cropping, low tillage and crop rotation on more than 1,000 acres. These efforts will:

- Reduce energy use
- Increase soil carbon
- Store water in the soil during storms and droughts
- Reduce erosion and soil loss
- Reduce greenhouse gas emissions

$55,803 was awarded to the Onondaga County Soil and Water Conservation District to work with a farm to reduce greenhouse gas emissions and enhance resiliency in a changing climate. The project will implement 50 acres of prescribed grazing and 100 acres of cover crops. The project will include soil health testing to measure gains through the implemented best management systems. It will:

- Increase soil carbon
- Reduce fuel usage
- Prevent erosion
- Reduce greenhouse gas emissions

$22,316 was awarded to the Genesee County Soil and Water Conservation District to work with a farm to test cover crops on 100 acres before potentially implementing it on all 500 acres of the farm's cropland. Cover crops:

- Enhance soil carbon
- Reduce atmospheric carbon concentrations
- Improve water retention which is beneficial during both floods and droughts
- Reduce greenhouse gas emissions