

FY2010 Energy and Water Development Subcommittee

Federal Funding Requests

Charles E. Schumer

Adirondack North Country Association; Saranac Lake, NY; \$500,000

Funding would be used to offer technical assistance to Northern New York communities to engage in an assessment of their municipally-owned infrastructure to support cost savings and energy efficiencies. Additionally the funding would be used to provide technical assistance to communities to enable them to be a competitive location in a rapidly expanding market for green products and green businesses by increased local and regional branding, business development, marketing and recruitment strategies. The project would result in reduced municipal operating costs and an improved economy tied to “green” business development and branding.

Alfred State College SUNY College of Technology; Alfred, NY; \$150,000

Funds would be used to further develop a biodiesel demonstration project and technology facility as part of the Center for Renewable Energy, a component of the Alfred State Institute of Sustainability. Funding would further assist the college in meeting OSHA standards. The demonstration project would develop a workforce trained in the construction, installation, and operation of small-scale, economical biodiesel production facilities. The project would also provide training for technologies that have the potential to reduce fuel costs, reduce pollution, and decrease the country's dependence on foreign oil.

Brooklyn College, City University of New York; Brooklyn, NY; \$900,000

Funding would be used to purchase equipment that would enable research on new sources of biofuel, methods for processing fuels to reduce or eliminate hazardous materials and waste, decrease greenhouse gas emissions, and contribute to the creation of alternative fuels. The research undertaken by this project has the potential to increase the production of oil within the United States, thereby reducing this country's dependence on foreign petroleum sources. As a result, jobs that range from research and development to skilled labor would be created for American workers. Reduction of air pollution would also result from the use of algae based fuels, as use of this fuel does not release carbon dioxide into the atmosphere.

City of Auburn, NY; \$1,000,000

Inspections of the Owasco Lake Outlet Dam, more commonly known as the State Dam, have recently revealed Dam Safety problems with the spillway and at the Taintor Gate. Funding would be used to address these problems by making repairs to the State Dam. The primary purpose of the State Dam is to regulate the level of Owasco Lake (one of the Finger Lakes) and to serve as a flood control device along the outlet valley. If the State Dam Taintor Gate were to fail during a storm event, most of the northern part of Cayuga County would be at risk for significant flooding and possible lake life habitat could be negatively impacted.

City University of New York; New York, NY; \$4,000,000

The CUNY Energy Institute would develop advanced, sustainable and economical energy technologies with low carbon footprints. Funds provided in Fiscal Year 2010 would be used to research issues intrinsic to high energy density electricity storage systems, usually operated far from equilibrium conditions giving rise to complex and difficult-to-control interfacial phenomena. The Institute would develop systems to scales that would allow transfer of the technology to industry and operate a state-of-the-art electricity-storage research, development and testing facility that would create immediate employment for 50 professionals with the potential of adding an additional 500 jobs as result of spinoff activities.

College of Nanoscale Science & Engineering; Albany, NY; \$2,000,000

CNSE and EPV Solar together aim to develop a scalable commercial manufacturing process for thin-film photovoltaics based on tandem cells incorporating active layers of both nano-crystalline and amorphous silicon. This R&D commercialization program would create approximately fifty jobs in the near term, many of which will be at the level of scientists and technicians. Over the longer term, the incorporation of the project's results into commercial production of thin film photovoltaic modules would result in products with superior performance and lower cost, translating to significantly lower cost for PV electricity. This would represent a major stride towards reestablishing the US as a leader in the PV industry while enhancing CNSE as a world-class entity in the solar field. Furthermore, the project would provide students with a focused hands-on experience with designing, installing and maintaining renewable energy technologies and prepare them for post-secondary education/training in this new field.

Greenwood Lake Commission; Greenwood Lake, NY; \$350,000

Funding would be used to develop a water resources management plan for the New York section of Greenwood Lake to complement the project already being completed for the New Jersey section. Greenwood Lake is the headwaters for the Wanaque reservoir system, which provides drinking water to approximately 2.9 million people in Northern New Jersey. The Greenwood Lake watershed is 27.1 square miles. This project would minimize the amount of weed growth and sediment loading, drastically cut phosphorus with the planned works of the study for storm water management implementation, as well as the planning of dredging the northern end of Greenwood Lake.

Hudson Valley Community College; Troy, NY; \$300,000

Funds would be used to expand Hudson Valley Community College's already robust renewable energy training program by initiating a large-scale wind technician training program at the college. Hudson Valley would be the only East Coast institution east of the Colorado Rockies to be internationally certified to offer large wind training. The college would use this certification to train other instructors and technicians across the country in large wind standards. Wind power is a cost-effective renewable resource, provides reliable energy, diversifies the US energy supply, provides financial savings to consumers, decreases consumption of fossil fuels, decreases reliance on foreign energy sources, and reduces pollutants that contribute to global warming.

Hunter College; New York, NY; \$500,000

Hunter College would use funding to train postdoctoral scientists in renewable energy technologies, after which they would contribute to cutting-edge research as future CUNY faculty or members of the technical staff of their research/education affiliate in Puerto Rico. This project would address basic research needs in several renewable energy areas.

Lake Montauk Harbor; East Hampton, NY; ACOE-GI; \$583,000

The Lake Montauk Harbor Feasibility Study would develop improvement plans to ascertain the most suitable solution to coastal erosion and habitat loss west of the entrance to Lake Montauk Harbor. The project would provide safe harbors for use by the fishing industries as well as provide a safe refuge for vessels visiting the Eastern End of Long Island. Lake Montauk is also home to a U.S. Coast Guard Station is located in the harbor that provides search and rescue operations for vessels in distress from all parts of the nation and especially Connecticut, Rhode Island, Massachusetts, New Jersey and New York. The U.S. Army Corps of Engineers and the NYSDEC executed a Feasibility Cost Sharing Agreement in February, 2003 for investigation of storm damage reduction and navigation improvements.

New York Institute of Technology; Central Islip, NY; \$1,290,000

This project would include the expansion of hybrid car fleet, use of bio-diesel fuels, solar panels and water usage on NYIT campuses. The New York Institute of Technology's strategic plan calls for a series of actions focused on sustainability from research to policy analysis to technology related to the built environment, water, ecosystems, and energy. The requested funding would help support a series of projects designed to improve energy efficiency and reduce carbon emissions on all three NYIT campuses in the U.S.

Ogdensburg Bridge and Port Authority; Ogdensburg, NY; \$2,300,000

Funding would be used for dredging to open up more of the Port's storage areas to direct discharge from vessels, reducing or eliminating the relocation charge. The Port of Ogdensburg receives roughly 180,000 tons of road salt per year for the State of New York and area municipalities in Northern New York State. A portion of the Authority's cost of handling the road salt is a relocation fee that is necessary due to the port's inability to discharge directly to storage areas. The proposed dredging would greatly improve the efficiency of handling this particular commodity, resulting in a potential cost savings of roughly \$100,000 - \$200,000 annually.

Oswego County BOCES; Mexico, NY; \$200,000

Funds would be used to purchase 100kw wind turbine system that includes wind turbine, monopole tower, concrete foundation, transformer, underground electric feeder, utility exterior disconnect, interface to electric service and utility devices. The project would provide a non-polluting source of energy that can displace greenhouse gas emissions from conventional power. The project would also lessen power consumption and costs by Oswego BOCES which would help alleviate demand on the local power grid and reduce component/member school districts costs. Conservative estimates for year one would be an annual energy savings of approximately 60,000 kwh, which is an equivalent of \$10,800.

Arts Center & Theatre of Schenectady, Inc.; Schenectady, NY; \$900,000

Funds would be used to support cogeneration at Proctors District Heating Plan (DHP). It now heats and cools Proctors and two others and is ready for expansion. This project would support downtown economic development projects while contributing no new carbon emissions.

Research Foundation on behalf of Farmingdale State College; Farmingdale, NY; \$1,200,000

The purpose of this project is to create a fuel cell system powered by hydrogen produced from biomass. Biomass is an environmentally-friendly and renewable source of energy. By using biomass for onsite energy production, the cost of electric power transmission to residential and commercial customers would be substantially reduced.

Schuyler County Partnership for Economic Development (SCOPED) acting for and on behalf of the US Salt LLC and Finger Lakes Railway Renewable Biomass Logistics Project; Watkins Glen, NY; \$1,000,000

This request would accelerate construction and certification of new storage capacity and accelerates interface connectivity with the transmission system. Funding would create 85-105 jobs and directly sustain US Salt manufacturing jobs. US Salt LLC is part of a partnership focused on domestic energy independence and energy security projects. Increased natural gas storage capacity adds to regional and national market and consumer price stability. This project would be one of the closest natural gas storage facilities to the high demand New York City market.

State University of New York College of Environmental Science and Forestry (SUNY-ESF); Syracuse, NY; \$750,000

This project would integrate, install and commission a 200KWe woody biomass combined heat and power set for sustainable and renewable electricity and thermal energy production. Biomass is used most efficiently for power and heat production in combined heat and power (CHP) projects. CHP offers distributed generation of electrical and/or mechanical power; waste-heat recovery for heating, cooling, or process applications; and seamless system integration for a variety of technologies, thermal applications, and fuel types into existing building infrastructure. CHP systems typically achieve total system efficiencies of 60 to 80 % for producing electricity and thermal energy.

Steuben County Industrial Development Agency (SCIDA) acting on behalf of the Thomas Corners Storage-Steuben County Natural Gas Storage project; Bath, NY; \$1,000,000

Funding would accelerate interface connectivity with the transmission system. The Thomas Corners Storage/Arlington Storage Company, LLC is advancing a 7.5 billion cubic feet (Bcf) certified storage facility. Its green environmental footprint is FERC 7-C approved. Thomas Corners enables a vital new additional strategic natural gas storage capacity in New York State and the Northeast. The overall project would create 60-80 skilled labor construction jobs. Long term, the Thomas Corners Storage project should create four new full time positions. If funded, the project's increased natural gas storage capacity would add to regional and national market and consumer price stability.

The New School; New York, NY; \$5,000,000

Funds would be used for construction of an energy efficient, platinum LEED "green building" which would house innovative classroom and serve as the school's energy and environmental studies research/learning center. This project would demonstrate how an urban building can be built for environmental efficiency with a specific focus on reducing greenhouse gases. As a university facility, this building would become a major educational laboratory and training center for the next generation of "green collar workers." Through its design, function, purpose, and location, the New School's Green Building would create 800 jobs in New York and involve 500 students, ranging from master's level architects to part-time students seeking certificates.

The Wild Center/Natural History Museum of the Adirondacks; Tupper Lake, NY; \$425,000

This project would combine the Wild Center's model for use and interpretation of energy saving technologies with the Museum of the Adirondacks' efforts to save energy costs by weatherizing housing and creating "green economy" jobs. The project would support the demonstration of one of the first wood pellet gasification boilers made in the U.S., when there is strong interest across the region following a USFS project on wood biofuels use. As a result, the project would stimulate growth in renewable wood fuel industries including high efficiency boiler manufacturing and associated enterprises and provide green job training for energy efficiency workers where almost none exist.

Town of Oyster Bay, NY; \$527,000

Funds would be used to reconstruct a facility employing geothermal and solar renewable energy systems. Of primary importance would be the implementation of Geothermal Energy derived from the Long Island Groundwater Aquifer. As a closed loop in ground pipe system operating in conjunction with a heat pump it would deliver heating for the residence building at a high efficiency coefficient of performance (COP).

Town of Shelter Island, NY; \$197,440

Funds would be used to obtain a permit for, and perform the work of: demolishing the existing, extremely dilapidated bulkhead at the farthest end of the Shell Beach peninsula and installing a new bulkhead in order to better protect the channel into West Neck Harbor. Due to the severe storm damage and many years of wear and tear, the bulkhead is in very poor condition, rendering it ineffective for its intended purpose as well as creating a hazard for residents and visitors.

University of Rochester- Laboratory For Laser Energetics; Rochester, NY; \$72,861,000

Funding would be used to support the Laboratory for Laser Energetics. The Laboratory for Laser Energetics (LLE) is a vital component of our nation's scientific capital and leadership, a key to the strategic efforts to develop an independent energy future, and, with over 880 people involved in LLE's program and a source of new business start-ups, it is a crucial part of the high-tech economy of New York State. LLE is the only inertial confinement fusion program and high-energy-density-physics program jointly supported by the federal and state government, industry, utilities, and a university.

Village of Port Washington North, NY; \$1,000,000

Funds would be used to stabilize an eroding waterfront and bulkheads to fully utilize the property. Permitted by both the New York State Department of Environmental Conservation and the Army Corps of Engineers, the Village has completed all master plan designs and is currently 60% complete in constructing Phase 1 of the project, which should be fully completed within the year.

Army Corps of Engineers Funding Requests:

Black Lake Aquatic Plant Control Reconnaissance Study, Ogdensburg, NY; \$50,000

The reconnaissance study would determine the potential for an environmentally and economically feasible aquatic plant control program. The study would also identify a sponsor willing to cost share in the feasibility study and possible future control actions.

Black Rock Channel NY; \$5,470,000

Funds would provide for Operations and Maintenance of the Lock. The lock provides the only means for deep draft commercial vessels to reach delivery ports on the upper Niagara River; including a major coal power generation plant, fuel storage facilities and refinery.

Bronx River Basin; \$325,000

Local communities throughout the Bronx River Basin have suffered flooding and significant environmental degradation. The reconnaissance study, certified in January 2000, recommended further study of flood damage protection and environmental restoration opportunities along the river. Funding would be utilized to complete this feasibility phase of the study, with the exception of external peer review.

Bronx River; \$10,000,000

This would reduce the risk to the public and restore a good portion of the channel to authorized depth.

Browns Creek; \$200,000

Funds would be used for engineering and design for future maintenance dredging.

Buffalo Harbor; \$9,100,000

Funds would be used to perform Project Condition Surveys, structure repair of the South Breakwater, and maintenance dredging.

Buffalo River Environmental Dredging; \$350,000

Funds would be used to remove and/or remediate contaminated sediments.

Buttermilk Channel; \$8,500,000

Funds would be used to maintenance dredge and place the material upland at a contractor provided site. This funding could remove the critical shoals, restore navigational safety by reducing the risk to the public, and restore a large portion of the project to authorized depth.

Delaware and Neversink Rivers, City of Port Jervis, Orange County, (205) (NYSDEC); \$200,000

The City of Port Jervis has requested Corps of Engineers assistance in flood damage reduction efforts in the City which could include restoring two urban streams which have been culverted and channelized and also non-structural efforts to reduce flooding and storm water problems.

East River; \$3,300,000

Funds would be used to conduct testing for HARS. Funds would also be used for the next maintenance dredging cycle.

East Rockaway Inlet; \$2,500,000

Funds would provide additional condition survey(s) per year to better document controlling depths, in coordination with the United States Coast Guard and the major users of the inlet. Funds could return it to an annual cycle, reducing risk to the public by decreasing the probability of project failure and restoring the channel to authorized depth.

East Rockaway to Rockaway Inlet; \$1,000,000

The purpose of the Reformulation Study is to evaluate and identify reasonable alternatives to provide storm damage protection to the project area. Funds would be used to continue the reformulation study for the Rockaway peninsula.

Eastchester Creek; \$12,000,000

Eastchester Creek allows safe passage of oil barges and construction materials to Bronx County and Westchester County in the city of New York. Approximately 895,000 tons of cargo is transported through this channel annually (2004 WCS). Petroleum, sand and gravel, and scrap metal are transported to thirteen docks located along the channel. The creek supports combined petroleum storage facilities of 39 steel storage tanks with the capacity to store 217,550 barrels of petroleum.

Environmental Infrastructure Niagara Falls NY (WRDA 2007 Sec 5158 (189)); \$5,000,000

These capital improvements would allow the 48 millions of gallons per day waste water treatment plant to continue to serve the waste water needs of the City of Niagara Falls and the Town of Niagara in accordance with all USEPA and NYSDEC issued permits.

Environmental Infrastructure Wellsville NY (WRDA 2007 Sec 5158 (189)); \$2,000,000

Funds would be used for water supply, water, and wastewater infrastructure improvements

Finger Lakes (Multi-purpose) (WRDA); \$100,000

A reconnaissance study would be conducted to determine the feasibility of carrying out a project(s) for aquatic ecosystem restoration and protection, and to address water quality and aquatic nuisance species.

Fire Island to Jones Inlet; \$21,650

Maintenance funds would be used to dredge the inlet and place the material along Gilgo Beach and Robert Moses State Park.

Fire Island to Montauk Point; \$14,800,000

Funds would be used to complete reformulation study efforts, nourishment of the 1st and 3rd Westhampton Interim Project, and 1st Nourishment of the West of Shinnecock Interim Project. Funds would also be used to continue the monitoring of the Westhampton and West of Shinnecock Interim Projects.

Flushing Bay & Creek; \$10,000

Flushing Bay and Creek Federal channel support fourteen marine terminals that receive and ship sand, stone, and petroleum products by barge. The concrete, asphalt and aggregate facilities on this channel have a combined 67,000 tons of storage capacity. The deep draft channel is also used by a municipal marina and the NYPD Harbor Patrol Unit Station.

Genesee River, NY Watershed; \$200,000

Funds would be used to develop a multi-agency strategic plan for recommending and implementing measures that would restore the beneficial uses of the Genesee River

Great Kills Harbor; \$80,000

Funding would provide for an updated condition survey of the channel, preparation of a controlling depth report and continued coordination with the US Coast Guard.

Great South Bay (Patchogue); \$200,000

Funding would allow for a condition survey, volume computations of the critical shoal areas, and preparation of a controlling depth report for coordination with the US Coast Guard. Funds would initiate Plans and Specifications for possible future maintenance dredging of the more critical shoals in Great South Bay and provide for an updated condition survey of the recently dredged Patchogue River.

Hancock Flood Reduction Study; \$100,000

Funds would allow for the initiation of a flood damage reduction study based on the June 2006 record Delaware River floods in the Town of Hancock, Delaware County, New York.

Hudson River – Maintenance; \$1,270,000

Funds would be used to complete contract surveys, supervision and administration activities for Hudson River maintenance dredging, initiate sediment sampling for proposed FY11/12 maintenance dredging, perform annual project condition surveys and hired labor channel maintenance activities.

Hudson River - O&C; \$1,550,000

Funds would be used for routine operation and maintenance of the Troy Lock and Dam an associated buildings and grounds in accordance with applicable environmental, safety and security requirements. The Lock serves as a integral link between the Hudson River and the New York State Canal system.

Hudson River Channel; \$750,000

Funds would be used for sampling and testing, as well as engineering and design.

Hudson-Raritan Estuary, NY&NJ; \$500,000

Funds would be utilized for continuation of the feasibility study, completion of the Programmatic Environmental Impact Statement and feasibility evaluation of the restoration opportunities that are outlined in the CRP.

Inspection of Completed Works; \$160,000

Funding would be used for routine inspections, engineering reviews of encroachments, and additional work.

Jamaica Bay; \$6,000,000

Funding would allow for continuing maintenance of shoaled areas with placement as beneficial use on an ocean or bay beach or in marsh island restoration within the Jamaica Bay Marsh Island complex, consistent with Regional Sediment Management and Environmental Operating Principles.

Jones Inlet to East Rockaway Inlet, Long Beach; \$5,000,000

Funds would be used to complete design and initiate construction of first contract.

Kings Park; \$100,000

Funds would be used to initiate the feasibility study for this aquatic ecosystem restoration project.

Lake Chautauqua Aquatic Plant Control Feasibility Study, Jamestown, NY; \$200,000

The feasibility study would address in detail the extent of the invasive aquatic plant problem in the lake, a proposed treatment plan of action, define the Corps and cost share partners roles and responsibilities and address environmental impacts to determine if a future cost share program for control actions is justified.

Lake Montauk Harbor; \$440,000

Funds would be used to complete this feasibility phase of the study. The study area is located on the south fork of eastern Long Island, Suffolk County, New York.

Long Island Intra-coastal Water Way; \$3,250,000

The lengthy 33.6 mile project provides protected passage through the Great South Bay, Bellport Bay, Narrow Bay, Moriches Bay, Quantuck Bay and Shinnecock Bay. The federally improved channel connects local bays to the ocean through several coastal inlets. Three USCG Stations utilize this waterway for search and rescue missions. Segments of the channel are impassable.

Mattituck Harbor; \$60,000

Funding would be used for environmental coordination w/stakeholders and interface with Section 111 Program.

Mattituck Harbor; \$4,800,000

Funds would be used to fully fund the Design and Implementation Phase including complete construction.

Montauk Point, NY; \$625,000

The study area, including the historic lighthouse and bluff, is located at the end of the southern fork of Long Island in the Town of East Hampton. The original position was some 300 feet from the eastern tip of Long Island, but the combined forces of storm induced erosion and long-term constant erosion now leave less than 75 feet of land in front of the structure.

Mt. Morris Lake; \$5,937,000

Funds would provide routine Operations and Maintenance of the Dam, Service Facilities and Recreation Features.

Mud Creek, Great South Bay; \$600,000

Funds would be used to complete this Ecosystem Restoration Feasibility Phase.

New York and New Jersey Channels; \$15,000,000

Funds would be used for maintenance dredging of critical portions of the federal channel. Failure to dredge critical channel segments will create unsafe navigation conditions, require light loading and increase transportation costs. Funding would restore the channel to authorized depth, reduce risk to the public, by providing for the removal of shoals near oil refinery and terminals.

New York City Watershed; \$1,000,000

The New York City Watershed Environmental Assistance program establishes a process to provide design and construction assistance to non-Federal interests for publicly owned water-related environmental infrastructure and resource protection and development practices in the eight county portion of the New York City watershed. The eligible projects include water supply, storage, treatment, and distribution facilities and surface water resource protection and development.

New York Harbor Drift Removal; \$7,317,000

Funds would be used to continue drift collection operations in New York & New Jersey Harbor providing for the safe navigation of vessels transiting the harbor.

New York Harbor, NY (Prevention of Obstructive Deposits); \$950,000

Funds would be used to continue providing vessel-based surveillance of the waters of the New York and New Jersey Harbor-Estuary, as well as to conduct enforcement cases against those who pollute the waterways or create unacceptable hazards to safe commercial and recreational navigation.

New York Harbor; \$6,000,000

Funding would develop testing criteria, defensible testing protocols and management of dredged material placement. The dredged material originates from NY & NJ Harbor deepening projects and maintenance dredging of berths and federal channels. Managing and

monitoring Ocean Placement and Reef sites that accept dredged material from projects within the New York Harbor is critical to the successful completion of harbor deepening efforts and ongoing maintenance of deep draft commercial channels in the Port of NY & NJ.

New York State Canal; \$5,000,000

Funds would be used for a reimbursement program to New York State for the costs of operating, maintaining and rehabilitating the Barge Canal. The canal system is of major importance to New York State and the nation. It provides a navigation linkage system for New York State. It is associated with the historical development of our countries development.

Niagara River, NY Watershed (WRDA); \$104,000

Funds would be used to develop a multi-agency strategic plan for recommending and implementing measures that will restore the beneficial uses of the Niagara River.

Northport Harbor, Huntington; \$2,600,000

Funds would be used to fully fund the Design and Implementation Phase including complete construction.

NY & NJ Harbor Deepening; \$119,000,000

Funds would be used to continue construction of existing contracts and to award 3 new contracts.

Onondaga Lake, NY; \$4,043,000

Funds would be used to develop and implement lake improvement projects

Onondaga Lake, NY; \$500,000

Funds would be used for development and implementation of lake improvement projects.

Orchard Beach; \$1,000,000

Funds would be used to execute a PPA with the non-federal sponsor, and initiate a fully funded construction contract.

Oswego Harbor, NY; \$4,300,000

Funds would be used to perform Engineering and Design for the East and West Arrowhead Breakwater Repair and for Construction Repair, West Breakwater. Located at the entrance of the Lake Approach Channel, the arrowheads are part of a 100 year old, 10,000 foot breakwater system protecting the harbor, and have deteriorated due to the cumulative effects of wave and freeze thaw action.

Oswego River Watershed; \$200,000

Funding would be used for a comprehensive investigation of measures to improve water supply, hydropower, fish and wildlife habitat, navigation, flood damage reduction, recreation, and water quality in the Oswego Basin.

Portchester Harbor; \$250,000

The transportation of approximately 70,000 tons of commodities/annually occurs via the Port Chester federal navigation channel, including 460,000 barrels of petroleum products valued at greater than \$23 million. Funding of \$250,000 could continue Engineering and Design, and coordination among stakeholders for possible future maintenance dredging.

Project Conditions Surveys, NY; \$1,910,000

Monitoring the condition of high use, deep draft, commercial channels in the Port of NY & NJ and communicating the condition to port channel users, is critical for the safety and efficient operation of the Port. Also, as the Corps of Engineers funding for maintenance dredging of the many shallow-draft channels and harbors in New York becomes scarce, it becomes more critical that full funding be provided so that hydrographic surveys be performed and annual condition reports published.

Ransom Creek, Hopkins Road (CAP 14); \$1,180,000

Funds would be used for emergency stream bank erosion protection. Reduce human health and safety risks to motorists in a residential area. Streambanks have eroded 1,000 linear feet at five key locations along the study area, impacting Hopkins Road. Due to this erosion, the west shoulder of the road has sloughed between 2” and 24” and significant cracks continue to develop in the middle of the road. Various alternatives are being explored during the feasibility study.

Rochester Harbor; \$555,000

Funds would provide for a survey of the harbor, retrieving recorded data on a periodic (monthly) basis. Additional funds would provide for Engineering and Design/Construction of the West Pier Repair, and for Engineering and Design for the East Pier Repair

Saugerties Harbor; \$1,000,000

Smokes Creek, NY; \$250,000

Funds would be used for modifications for improvement of environment; channel relocation, wetland and flood control. Current channel configuration has sheet-pile which is not suitable spawning habitat for walleye. Other project features could include creating a wetland in the existing channel location and providing public access features. Flood control features would be incorporated into design.

Sodus Bay Aquatic Plant Control Reconnaissance Study, Sodus Point, NY; \$50,000

The reconnaissance study would determine the potential for an environmentally and economically feasible aquatic plant control program. The study would also identify a sponsor willing to cost share in the feasibility study and possible future control actions.

Soundview Park, Bronx, NY Aquatic Ecosystem Restoration Project; \$3,500,000

The project would involve the restoration of approximately 3 acres of tidal wetlands with the lagoons of Soundview Park. Funding would be used for the Design and Implementation Phase (Construction) of the project.

South Park Lake (CAP 206); \$150,000 Funding would be used for habitat restoration to restore lake to self-regulating ecological system. An estimated 100,000 cubic yards (CY) of organic material may be dredged, potential for enhanced water quality for fish and waterfowl inhabitants, and subsequent elimination of invasive plant species.

Spring Creek; \$4,000,000

The proposed ecosystem restoration project would improve the habitat in Spring Creek Park located in northern Jamaica Bay, bounding the counties of Kings and Queens, New York.

Upper Delaware River Watershed, Livingston Manor, NY; \$200,000

Initial impetus for the study was the January 1996 storm event which caused over \$15 million in damages in Delaware County, NY. Consecutive major floods in September 2004, April 2005 and June 2006, again caused devastation along the main stem Delaware River and its tributaries, repeatedly damaging property and disrupting tens of thousands of lives. This study would work to formulate a plan to both reduce flood damages and also improve degraded environmental resources.

Upper Delaware River Watershed Management, Livingston Manor, NY (NYSDEC); \$250,000

In response to the frequent devastating flooding including the events in 2004, 2005, 2006, which resulted in one death and hundreds of thousands of dollars of damages, funding would allow for the development of a management plan to identify areas in need of design and implementation of projects in the interests of flood damage reduction, environmental restoration and other allied purposes. Funding would allow for the development of a management plan to identify areas in need of design and implementation of projects.

Upper Delaware River Watershed, NY Floodplain Reconnection (TNC); \$150,000

Initial impetus for the study was the January 1996 storm event which caused over \$15 million in damages in Delaware County, NY. Consecutive major floods in September 2004, April 2005 and June 2006, again caused devastation along the main stem Delaware River and its tributaries, repeatedly damaging property and disrupting tens of thousands of lives. This study will work to formulate opportunities where reconnecting the Upper Delaware River to its natural floodplain will both improve prized environmental resources while also helping to reduce flood damages.

Upper Susquehanna River Basin Comprehensive Flood Damage Reduction Study, New York; \$300,000

Funding would allow for a reconnaissance study of the Upper Susquehanna River Watershed.

Walton Flood Reduction Study, Delaware County, New York; \$100,000

Funds would allow for the initiation of a flood damage reduction study based on the June 2006 record floods in the Town of Walton, Delaware County, New York.

Westchester Creek; \$12,500,000

Westchester Creek is located in the greater New York City area and extends 4 miles inland north of the East River. Funding would be used to perform engineering and design for the future maintenance dredging of this commercial channel which serves a highly populated area.