FY 2011 Energy and Water Development

Federal Funding Requests

Senator Kirsten Gillibrand

City of Mount Vernon – Green Jobs Training; $1,000,000; 1 Roosevelt Square, Mount Vernon, NY, 10550
This program would provide "green collar" training to interested individuals, giving them marketable skills in light of the expanding green jobs sector. The program would focus on young adults ages 18-24 who, due to economic challenges, have a difficulty in obtaining higher education or occupational training. This program will assist the unemployed and underemployed find work that allows them to fully participate in a dynamic industry. This project is estimated to create approximately 115 jobs.

City of Rochester – Sitting Renewable Energy on Closed Landfill; $562,500; 30 Church Street, Room 205A, Rochester, NY, 14614
This project will determine the feasibility of siting renewable solar, wind and/or methane gas energy generating facilities on the vacant portions of the closed Emerson Street landfill. While much of the site has already been transitioned into an industrial park, about 25 acres remain undeveloped. A thorough and comprehensive feasibility study will allow the City to effectively plan both landfill closure and effective reuse of the site for renewable energy. This project is estimated to create approximately 2 jobs.

County of Nassau – Green Energy Sustainable Loan Program; $3,000,000; 1550 Franklin Avenue, Mineola, NY, 11501
This project will create a sustainable loan program where non-profits, homes, and business will borrow money from the county to make their buildings and residences use green energy. Loans will be distributed to homes or businesses looking to install solar energy panels, or some other type of sustainable or renewable energy generator, helping to make the whole community more efficient and clean. This project is estimated to create approximately 2500 jobs, many of which will be in the fields of green construction and energy efficiency.

Foodlink – Waste to Fuel to Urban Farming; $1,000,000; 936 Exchange Street Rochester, NY, 14608
This project will allow the design and implementation of a system to convert a rich stream of food waste into fuel grade ethanol. This abundant source of energy, which would otherwise end up in landfills and waste water plants, will allow for the creation of clean energy solutions in a densely populated area. Further, this system will create from the remaining solids a nutrient-dense fertilizer for urban agriculture initiatives. This project is estimated to create approximately 30 jobs.

Fordham University – Energy Efficient Co Gen Chiller; $3,860,000; 441 E. Fordham Road Administration Building, Room 220, Bronx, NY, 10458
This project involves the purchase and installation costs of an energy efficient chiller plant with a "green" electrical co-generation component at its Rose Hill Campus in the Bronx. Once completed, the installation will have a positive impact on the University's carbon footprint and will also assist

Bronx County in the fulfillment of its own environmental and economic goals. This project is estimated to create approximately 50 jobs

Hudson Valley Community College – Large-Scale Wind Training; $463,347; 80 Vandenburgh Avenue, Troy, NY, 12180
This project will expand Hudson Valley Community College's renewable energy training program by initiating a large-scale wind technician training program at the college. As the alternative energy field grows, this program will help ready more individuals to enter this dynamic and local industry. The Community College will purchase large-scale wind equipment that will be used for hands-on instruction and safety education as well as create a curriculum for students. This project is estimated to create approximately 150 jobs.

JCC of Staten Island – Solar Electric System; $435,440; 1146 Manor Road, Staten Island, NY, 10314
This project will allow for the installation of a solar electric (PV) system at a Jewish Community Center on Staten Island. As with many environmentally friendly projects, this project would be provide benefits to the environment, the local community, and help promote the development of the renewable energy industry. The nearly 300 new solar electric panels will help the center provide for itself a more stable energy future.

Monroe County Department of Environmental Services – MillSeat Renewable Green Power Project; $2,000,000; 50 West Main Street, Rochester, NY, 14614
This project will allow the continued transformation of the Mill Seat Landfill in Riga to a through innovative harnessing of methane to create green renewable electrical energy. Landfills produce this gas naturally and a majority of sites simply pass this greenhouse gas into the atmosphere. By collecting the gas, a source of pollution will be eliminated and thermal energy will be provided to stimulate economic development on the Development parcels adjacent to the Landfill. This project is estimated to create approximately 20 jobs.

Nassau University Medical Center – NUMC EnergySmart Medical Complex; $2,000,000; 2201 Hempstead Turnpike, East Meadow, NY, 11554
This project will allow the Medical Center to implement energy-saving upgrades as well as an expanded medical campus for students and the infirmed. Like most medical complexes across the nation, NUMC is a massive energy user with outdated, inefficient buildings that divert substantial resources away from health care to energy and operating costs. This will help support the move forward on major energy efficiency and clean energy upgrades to the NUMC complex at East Meadow, contributing to a more efficient medical experience. This project is estimated to create approximately 50 jobs.

New York City Department of Small Business Services – Renewable Energy Demonstration Projects; $1,300,000; 110 William Street, 7th Floor, New York, NY, 10038
This project will place, test and note the barriers renewable energy technologies face in order to provide viable options in urban environments. The density and vertical orientation of cityscapes requires unique solutions in order to provide innovative energy projects in a unique environment. This project will help to ensure that even our most populated communities are not left out of the movement towards efficient, renewable energy. This project is estimated to create approximately 15 jobs.

Niagara County Community College – Energy Program Equipment; $300,000; 3111 Saunders Settlement Road, Sanborn, NY, 14132
This project will equip the College's laboratory space in preparation for their new Energy Management and Wind Energy Associates Degree programs. These programs will help meet the employment needs of the energy efficiency and renewable energy industries and any interested individuals. The field of energy efficiency construction is growing and this project will prepare highly-skilled workers to enter this high-demand industry. This project is estimated to create approximately 3 jobs.

Onondaga Community College – Developing the Green Collar Workforce for Clean Tech Jobs; $290,850; 4585 West Seneca Turnpike, Syracuse, NY, 13215
This project will help procure advanced sustainable energy equipment for the College's newly established Sustainability Institute's Labs and Academic Programs. The equipment, which will include cutting-edge wind turbine technology and photovoltaic panels, will also be used to support new academic and workforce training programs to assist the growth of New York State's emerging alternative energy technologies industry. This project is estimated to create approximately 1,000 jobs.

Polytechnic Institute of NYU – Advanced Cyber-Controlled Smart Grid with Renewable Energy Sources; $2,500,000; Six MetroTech Center, Brooklyn, NY, 11201
This project will allow the creation of a state-of-the-art cyber-controlled smart microgrid experimental facility. This smart grid, which is a technology that helps to distribute power without waste, will allow the Institute to perform advanced study on future energy systems. This research will provide scientific discovery, technology transfer to commercial efforts, workforce training and education, market penetration, and business success for Smart Grid and energy storage systems. This project is estimated to create approximately 15 jobs.

St. Barnabas Hospital – St. Barnabas Hospital Green Building and Energy Efficient Renovations; $1,055,000; 4422 Third Avenue, Bronx, NY, 10457
This project will allow the pursuit of various projects that will reduce the energy consumption of the hospital, resulting in a significant efficiency increase for the campus. These savings will be available to support much needed patient care and prevention programs and will contribute to the ongoing, safe and efficient operation of the Hospital, which is the employer of over 2,500 individuals in an area where medical jobs are in high demand.

St. Joseph's Hospital Health Center – Clinical Observation Unit/Chest Pain Center; $5,000,000; 301 Prospect Avenue, Syracuse, NY, 13203
This project will allow the construction of an energy-efficient 15-bed Clinical Observation Unit that will include several beds specifically dedicated for Chest Pain evaluation. This will be part of a green building initiative that will expand the hospital's Emergency Department so it may meet current demands. In this manner, the hospital can become one further example of a structure that does not sacrifice energy efficiency during expansion efforts. This project is estimated to create approximately 600 jobs.

St. Lawrence County IDA Local Development – Clean Energy Development Initiative; $1,100,000; 80 State HWY 310 Suite 6, Canton, NY, 13617
This project involves the construction of new green boilers for power generation in the North Country, reducing local reliance on fossil fuels and decreasing petrochemical emissions and the

carbon footprint with the use of renewable fuel sources. This project is estimated to create approximately 95 jobs, many of which are in the new "green" industry.

State University of New York at Geneseo – Acquisition of an Ultra-High Vacuum Scanning Probe Microscope for Nanotechnology Research and Undergraduate Training; $350,000; 1 College Circle Erwin 218, Geneseo, NY, 14454
This project will help purchase an Ultra-High Vacuum Scanning Probe Microscope (SPM) for undergraduate training and nanotechnology research focused primarily on energy efficiency. Acquiring this instrument will enhance the college's capabilities, allowing for continued collaborations with area businesses, universities, and centers of excellence. This equipment will help the University establish itself as a center for the development of more advanced and cost-effective Organic Light Emitting Diodes, which promise low-maintenance and efficient power.

The New School University – University Center-Green Building; $5,000,000; 66 West 12th Street , New York, NY, 10011
This project will fund the construction of a LEED-certified platinum "green building" in New York City. This distinction is the U.S. Green Building Council's highest level o f distinction for energy efficiency. Aside from providing education space, the 350,000 square foot building will demonstrate how an urban building can be built for with a specific focus on reducing greenhouse gases. This project will help provide a demonstration of how institutions can further their goals of energy efficiency in a cost-effective manner. The construction of this building is estimated to create 500 jobs.

The Solar Energy Consortium – Research & Development of Solar Photovoltaic Efficiency with International Business Machines; $5,000,000; 434 Old Neighborhood Rd, Kingston, NY, 12401
This project will help support the solar industry within the United States by performing research and development to aid in increasing solar efficiency and analyze challenges experienced by multiple manufacturing and research entities. This will allow the United States' young solar industry to compete effectively, especially given the significant implementation lead that exists in Europe and Asia. This project will create 12 jobs and will have indirect job creation by supporting and creating a better national manufacturing base.

Town of Huntington – Compressed Natural Gas (CNG) Refuse Vehicles; $800,000; 100 Main Street, Huntington, NY, 11743
This project will allow the town to purchase four new refuse collection vehicles powered by compressed natural gas (CNG). These new vehicles will replace the town's existing diesel vehicles as part of a greater energy efficiency and conservation strategy to improve air quality and reduce dependence on imported petroleum fuels.

Town of Huntington – LED Traffic Signal Project; $1,000,000; 100 Main Street Huntington, NY, 11743
This project will convert signal indications at traffic lights to Light Emitting Diode (LED). As with many traffic lights, the town currently uses inefficient and short lived incandescent bulbs to light the signals. LED bulbs consume significantly lower amounts of power and have a high reliability, which will help to improve intersection safety in this populous area. This project is estimated to create approximately 13 jobs.

University of Rochester – Center for Integrated Systems Science and Engineering; $3,000,000; 240 Wallis Hall, University of Rochester, Rochester, NY, 14623
This program will establish a Center for Integrated Systems Science and Engineering (CISSE) at the University. This will provide a framework in which the significant science and engineering problems of the 21st century, including the complexity of building and integrating the components of a smart grid, can be advanced. This will help create a focal point for the study of a more efficient future as we continue to grow as a nation.

University of Rochester – Laboratory for Laser Energetics Inertial Confinement Fusion Program; $62,500,000; 240 Wallis Hall, University of Rochester, Rochester, NY, 14623
This program will help establish a stewardship program to ensure the preservation of the core intellectual and technical competencies of the United States in nuclear weapons, which is a key element of the DOE's Stockpile Stewardship Program. The OMEGA and OMEGA EP lasers at the University of Rochester's Laboratory for Laser Energetics comprise the principal laser research facility for the University and this investment will ensure that they are used to protect this vital aspect of our national security.

United States Army Corps Project Requests:

General Construction:
Coney Island – $300,000
East Rockaway to Rockaway Inlet – $1,000,000
Fire Island to Montauk Point – $10,800,000
Lake Champlain Watershed, VT & NY – $500,000
NYC Watershed – $1,000,000
NY & NJ Harbor Deepening – $107,000,000
Orchard Beach – $1,000,000
Gerritsen Creek – $500,000
Mattituck Harbor – $4,155,000
Mud Creek, Great South Bay – $600,000
Plumb Beach, Jamaica Bay – $500,000
Soundview Park – $4,000,000
Spring Creek – $50,000
Environmental Infrastructure; Wellsville, NY (WRDA 2007 Sec. 5158 (189)) – $2,000,000
Oklahoma Beach Webster, NY (111) – $100,000
Ransom Creek, Hopkins Road (14) – $1,180,000
Athol Springs, Lake Erie (103) – $50,000
State Dam, Auburn, New York (Owasco Lake Outlet) – $250,000
Hancock Flood Damage Reduction Study – $100,000
Walton Flood Damage Reducation Study – $100,000

Operations and Maintenance:
Buttermilk Channel – $10,000,000
Eastchester Creek – $150,000
Fire Island to Jones Inlet – $26,740,000
Flushing Bay & Creek – $19,100,000

Great Kills Harbor – $150,000
Great South Bay (NOT Patchogue) – $200,000
Hudson River – Maintenance – $3,700,000
Hudson River – O&C – $3,650,000
Inspection of Completed Works – $180,000
Long Island Intracoastal Water Way – $100,000
Mattituck Harbor – $60,000
Moriches Inlet – $100,000
Newtown Creek – $60,000
New York Harbor – $3,998,000
Plattsburgh Harbor – $3,000,000
Rochester Harbor – $2,463,000
Oswego Harbor – $5,349,000
Mt. Morris Lake – $4,813,000
Barcelona Harbor – $800,000
Black Rock Channel NY – $4,267,000
Buffalo Harbor – $1,945,000
Flushing Bay and Creek – $19,100,000
Westchester Creek – $4,100,000

General Investigations:
Atlantic Coast of NY Monitoring Program – $12,000,000
Eastchester Creek at Turtle Cove – $100,000
Manhattan Beach & Sheepshead Bay – $100,000
Shore Parkway Greenway, Brooklyn – $100,000
Bronx River Basin – $300,000
Flushing Bay & Creek – $500,000
Lake Montauk Harbor – $172,000
Mohawk River Watershed – $250,000
South Shore of Staten Island – $500,000
Forge River Watershed – $300,000
Upper Delaware River Watershed, Livingston Manor, NY (NYSDEC) – $200,000
Niagara River, NY Watershed (WRDA) – $214,000
Onondaga Lake, NY– $500,000
Oswego River Watershed – $100,000
Finger Lakes (Multi-purpose) (WRDA) – $100,000
Dutchess County Watershed – $100,000
Eastchester Creek at Turtle Cove – $100,000
Hasamomuck Cove – $100,000
Hudson-Raritan Estuary – $1,000,000
Lake Ontario and Niagara River Navigation Fund – $5,000,000
Ten Mile River Watershed – $100,000
Upper Susquehanna River Basin Comprehensive Flood Damage Reduction Study – $210,000

Formerly Utilized Sites Remedial Action Program:
Seaway Industrial – $250,000
Tonawanda Landfill – $1,775,000
Guterl – $975,000
Former Linde Air Product Site, Tonawanda NY - $10,000,000