

Requests submitted to the Energy and Water Development Subcommittee on May 22, 2009

The following projects through the U.S. Army Corps of Engineers are designed to reduce flooding, protect coastal communities from storm damage, improve waterway navigation and provide for the restoration of ecosystems.

The following projects are under the jurisdiction of the New York District of the U.S. Army Corps of Engineers.

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Hackensack Meadowlands, New Jersey

Project Name: Hackensack Meadowlands, New Jersey

Project Purpose: This project provides technical engineering, design and related support to the New Jersey Meadowlands Commission in the areas of environmental restoration and flood damage reduction to reduce the potential for damage and financial loss associated with flooding. The requested funds will be used to initiate design to rehabilitate non-functional tide gates in the upper regions of Berry's Creek

Amount Requested: \$500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Hudson Raritan Estuary – Hackensack Meadowlands

Project Name: Hudson Raritan Estuary – Hackensack Meadowlands

Project Purpose: Much of the wetland area in the Meadowlands is degraded and contamination from extensive landfills in the area is common. The requested funds will be used to complete the feasibility phase of this ecosystem restoration project which will help to enhance water quality as well as fish and wildlife habitat.

Amount Requested: \$250,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Hudson Raritan Estuary, Liberty State Park

Project Name: Hudson Raritan Estuary, Liberty State Park

Project Purpose: The Hudson-Raritan Estuary, Liberty State Park (LSP) project area is 234 acres of undeveloped semi-degraded parkland within a fenced area of LSP. In the absence of Federal action, it is anticipated that the area ecosystem will remain in a degraded condition.

Restoration will include reintroduction of tidal wetlands habitat, protection and enhancement of freshwater wetlands, which will help to restore the natural habitat providing cleaner water and reducing sediment contamination.

Amount Requested: \$17,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Hudson Raritan Estuary-Lower Passaic River

Project Name: Hudson Raritan Estuary-Lower Passaic River Restoration Feasibility Study

Project Purpose: The HRE-Lower Passaic River Restoration Project is a multi-agency study to develop a comprehensive watershed-based plan for the remediation and restoration of the Lower Passaic River Basin. A comprehensive watershed-based plan for the remediation and restoration of the Lower Passaic River basin will benefit all area residents by providing clean water and soil.

Amount Requested: \$500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Hudson-Raritan Estuary, NY & NJ

Project Name: Hudson-Raritan Estuary, NY & NJ

Project Purpose: The requested funds will be used to continue the feasibility study, including the draft Comprehensive Restoration Plan (CRP), and the evaluation of the restoration opportunities that are outlined in the CRP. The CRP will serve as the master plan, consensus vision and strategy for future ecosystem restoration in the Harbor. In addition, the study will seek to advance environmental efforts to be commensurate with NY-NJ Harbor navigation improvements to advance the vision of a World Class Estuary.

Amount Requested: \$500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Projects in North Jersey

Project Name: Inspection of Completed Works, NJ

Project Purpose: The requested funds will be used to provide for the continued inspection of projects in the State of New Jersey by the Corps of Engineers to insure the highest level of protection afforded by these projects.

Amount Requested: \$215,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Jackson Brook, Morris County, New Jersey

Project Name: Jackson Brook, Morris County, New Jersey

Project Purpose: The Jackson Brook watershed is a 4.7 square mile area that covers parts of four municipalities – the Township of Randolph, the Township of Mine Hill, the Borough of Wharton and the Town of Dover. Severe flooding and erosion have occurred to the homes and property in the area. Funding will be used to help prevent further flooding and damages to homes and businesses.

Amount Requested: \$3,270,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Newark, NJ

Project Name: Joseph G. Minish Historic Waterfront Park

Project Purpose: The requested funding will be used to continue the bulkhead construction and riverbank stabilization. This will help reduce the potential for damage and financial loss associated with flooding.

Amount Requested: \$16,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Jersey City, NJ

Project Name: Lincoln Park West, Ecosystem Restoration Study, NJ

Project Purpose: The proposed restoration project will close an existing landfill and return the area to its natural salt-water tidal ecosystem. The plan will be closely coordinated with New Jersey Department of Environmental Protection and the Hudson County Division of Parks and Recreation.

Amount Requested: \$4,200,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Bergen County, NJ

Project Name: Lower Saddle River, New Jersey

Project Purpose: Flooding occurs in the lower Saddle River basin area along the Saddle River and Sprout Brook in the municipalities of Garfield, Wallington, South Hackensack, Lodi, Saddle Brook, Rochelle Park, Paramus, and Fair Lawn, New Jersey. The area has experienced several significant flooding events including severe damage from the April 2007 storm. This project would reduce the damage from floods by modifying several channels.

Amount Requested: \$500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
New York and New Jersey Channels, Arthur Kill Reach, NJ

Project Name: New York and New Jersey Channels, Arthur Kill Reach, NJ

Project Purpose: The requested funds will be used to continue to remove the most critical shoals in Arthur Kill near oil refinery and terminals. The Channels support over 111 million tons of bulk cargo, including 190 million barrels of petroleum products reported, valued at \$12 billion. Failure to dredge critical channel segments in a timely manner could create unsafe navigation conditions and increased transportation costs.

Amount Requested: \$15,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers

New York Harbor, NY & NJ

Project Name: New York Harbor, NY & NJ, Drift Collection

Project Purpose: The project effort consists of locating, collecting, removing and disposing of up to 530,000 cubic feet of drift and floatables per year, which equates to 225 forty-foot highway tractor-trailers.

The requested funds will be used to continue drift collection operations in New York & New Jersey Harbor providing for the safe navigation of vessels transiting the harbor.

Amount Requested: \$7,317,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
New York Harbor, NY&NJ

Project Name: New York Harbor, NY&NJ (Prevention of Obstructive Deposits)

Project Purpose: The requested funding will be used to continue to provide vessel-based surveillance of the waters of the New York and New Jersey Harbor-Estuary, as well as to conduct enforcement against those who pollute the waterways or create unacceptable hazards to safe commercial and recreational navigation.

Amount Requested: \$950,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Newark Bay, Hackensack, and Passaic Rivers, New Jersey

Project Name: Newark Bay, Hackensack, and Passaic Rivers, New Jersey

Project Purpose: The requested funding will be used to dredge shoals in the Newark Bay Federal Navigation Channels. This maintenance dredging allows for the safe transport of almost 30 million tons of bulk cargo.

Amount Requested: \$10,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
NY & NJ Harbor

Project Name: NY & NJ Harbor Deepening

Project Purpose: The New York/New Jersey seaport is the largest container port on the East Coast with a general cargo value of approximately \$166 billion. Funding will be used for ongoing dredging activities to allow for the safe navigation of large vessels vital to the local, regional and national economy.

Amount Requested: \$119,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Passaic River Basin, NJ

Project Name: Passaic River Flood Management (Floodway Buyout), NJ

Project Purpose: The project involves the voluntary acquisition of approximately 800 frequently flooded homes in the Passaic River Floodway. The Floodway is the area that floods on a nearly annual basis. Funds appropriated will be used to appraise, acquire, and demolish homes from willing sellers.

Amount Requested: \$5,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Passaic River Basin, NJ

Project Name: Passaic River Flood Warning System, NJ

Project Purpose: The Passaic Flood Warning System (PFWS) provides first responders immediate access to flood data and a communications network capable of receiving instantaneous watches/warnings from various agencies. Maintenance will be performed on the system to ensure reliable data reception and transmission throughout the PFWS, protecting residents and homes in 132 communities in New Jersey.

Amount Requested: \$553,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Passaic River Main Stem, New Jersey

Project Name: Passaic River Main Stem, New Jersey

Project Purpose: Since 1900, at least 26 lives have been lost in floods and the total losses are over \$4.5 billion dollars. In addition to the flood damages that occur in over thirty-five municipalities in the basin, environmental damage from flooding has also occurred. Significant interruption to businesses and transportation has also resulted in hardship in the basin and region after each flood event. The project consists of several elements including an underground diversion tunnel, levees and floodwalls, and the acquisition of natural flood storage areas.

Amount Requested: \$250,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Passaic River, Harrison, NJ

Project Name: Passaic River, Harrison, NJ

Project Purpose: The project involves the construction of features for flood protection along the Passaic River in the Town of Harrison, New Jersey. The authorized plan for flood damage reduction includes a total of 7,450 linear feet of levee and floodwall with 8 closure structures. Funds will be used to complete the pre-construction engineering and design phase.

Amount Requested: \$250,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Peckman River and Tributaries, NJ

Project Name: Peckman River and Tributaries, New Jersey

Project Purpose: The Basin experiences frequent flooding from intense thunderstorms and heavy rainfall. Funding will be used to complete a study to review alternatives to reduce flood damage to area residents and businesses.

Amount Requested: \$750,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Project Condition Surveys, NJ

Project Name: Project Condition Surveys, NJ

Project Purpose: This project consists of performing hydrographic surveys of completed and federally maintained New Jersey State Federal Navigation Projects within the boundaries of the New York District. 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.

Amount Requested: \$1,902,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Rahway River Basin, NJ

Project Name: Rahway River Basin, NJ

Project Purpose: The requested funds will be used to support the study activities including, data gathering, surveys, hydraulic modeling, site visits, economic formulation, and other elements.

Amount Requested: \$300,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Ramapo and Mahwah Rivers, Mahwah, NJ and Suffern, NY

Project Name: Ramapo and Mahwah Rivers, Mahwah, NJ and Suffern, NY

Project Purpose: The requested funds will support design work, preliminary environmental studies, economic formulation, and other elements of the General Reevaluation Report required to determine if there is a Federal interest in the project area.

Amount Requested: \$200,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan Bay and Sandy Hook Bay, Highlands, NJ

Project Name: Raritan Bay and Sandy Hook Bay, Highlands, NJ

Project Purpose: Highlands has a history of devastating flood damages. Approximately 880 residential and commercial structures are subject to severe flooding and many roadways are flooded during severe storm events, cutting off access to large portions of Highlands. These funds would be used to complete the study of the area including a screening of alternatives to relieve this flooding and the formation of a plan.

Amount Requested: \$650,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan Bay and Sandy Hook Bay, Leonardo, NJ

Project Name: Raritan Bay and Sandy Hook Bay, Leonardo, NJ

Project Purpose: The requested funds will be used for the pre-construction, engineering and design phase of this effort to reduce flood damage to homes and businesses in the Leonardo area.

Amount Requested: \$25,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan Bay and Sandy Hook Bay, NJ

Project Name: Raritan Bay and Sandy Hook Bay, NJ

Project Purpose: The requested funds will be used to complete the re-evaluation report which will authorize remaining beach nourishment cycles and initiate nourishment. Beach nourishment provides flood control and storm protection reducing the potential for damage and financial loss associated with flooding.

Amount Requested: \$10,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan Bay and Sandy Hook Bay, Port Monmouth, NJ

Project Name: Raritan Bay and Sandy Hook Bay, Port Monmouth, NJ

Project Purpose: This project involves the construction of approximately 7,070 feet of levees, 3,585 feet of floodwalls, 2,640 feet of dune, a storm- tide gate, and periodic beach nourishment on a 10-year cycle. The requested funds will be used to initiate and complete the beachfill contract, providing flood control and protection reducing the potential for damage and financial loss associated with flooding.

Amount Requested: \$10,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan Bay and Sandy Hook Bay, Union Beach, NJ

Project Name: Raritan Bay and Sandy Hook Bay, Union Beach, NJ

Project Purpose: Low-lying residential and commercial structures in the area experience flooding caused by coastal storm inundation. This problem has progressively worsened in recent years due to loss of protective beaches and increased urbanization in the area with structures susceptible to flooding from rainfall and coastal storm surges, erosion and wave attack, combined with restrictions to channel flow in the tidal creeks. Funds will be used to design and implement a storm damage reduction project designed to assist the residents and businesses in the Union Beach area.

Amount Requested: \$250,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan River Basin, Green Brook Sub-basin, New Jersey

Project Name: Raritan River Basin, Green Brook Sub-basin, New Jersey

Project Purpose: Funds would be used to initiate construction of flood damage reduction features such as levees, bridge raisings, etc. in Middlesex Boro and Green Brook. This project provides flood control and protection by reducing the potential for damage and financial loss associated with flooding.

Amount Requested: \$7,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan River to Arthur Kill Cutoff, NJ

Project Name: Raritan River to Arthur Kill Cutoff

Project Purpose: The requested funds will be used for maintenance dredging of the area which will maintain the authorized project dimensions, thereby assuring safe and economical use of the Raritan River to Arthur Kill Cut-Off Channel by shipping interests.

Amount Requested: \$500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Raritan River, New Jersey

Project Name: Raritan River, New Jersey

Project Purpose: The requested funds will be used to continue maintenance dredging of the remaining shoals on the Raritan River, providing safe, reliable, efficient, effective and environmentally sustainable transportation systems for movement of commerce, national security needs, and recreation.

Amount Requested: \$3,150,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Sandy Hook Bay at Leonardo, New Jersey

Project Name: Sandy Hook Bay at Leonardo, New Jersey

Project Purpose: The requested funds will be used to maintenance dredge critical shoals. Failure to dredge adversely affects State-run marina operations by decreasing accessibility from the harbor to the Lower Bay of NY. Maintenance dredging could reduce risk to the public and restore channel to authorized depth in more critical locations.

Amount Requested: \$5,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Sandy Hook to Barnegat Inlet, New Jersey

Project Name: Sandy Hook to Barnegat Inlet, New Jersey

Project Purpose: The requested funds will be used for the beach renourishment of Northern Long Branch and Monmouth Beach. This project will provide flood and storm protection to the homes, businesses and infrastructure in the area. It is not only important to the communities within the project area but vital to the region and nation.

Amount Requested: \$20,000,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Shoal Harbor and Compton Creek, Monmouth County, NJ

Project Name: Shoal Harbor and Compton Creek, Monmouth County, NJ

Project Purpose: The requested funds will be used to continue engineering and design work for future maintenance of critical shoals in the harbor and creek. Maintenance of shoals in the harbor and creek allow for the safe passage of approximately 700,000 ferry passengers who use the ferry services annually.

Amount Requested: \$150,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Shark River, NJ

Project Name: Shark River, NJ

Project Purpose: The ocean bar shoal in the inlet reach and the spot shoal in the inlet reach will be dredged with the government dredge - Currituck. The remaining funds will be used to perform Engineering and Design for future maintenance dredging of silty inland portion of Shark River Inlet.

Amount Requested: \$1,500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Shrewsbury River, NJ

Project Name: Shrewsbury River, NJ

Project Purpose: The removal of shoals will provide a fully navigable channel for a large recreational boating population, registering more than 7,000 trips annually. Maintenance dredging would reduce the risk to the public and restore the channel to authorized depth at various locations.

Amount Requested: \$3,900,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Shrewsbury River and Tributaries, NJ

Project Name: Shrewsbury River and Tributaries, NJ

Project Purpose: Frequent flooding occurs along the Shrewsbury River and tributaries in Monmouth County, New Jersey. The flooding is primarily due to high water from storms producing high tides, which flood extensively developed land areas. Local efforts to improve drainage into the river system have been futile as the river flows overland into the low-lying communities. This funding will be used to continue a study of the area and a formulation of a plan to reduce the flooding.

Amount Requested: \$230,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
South River, Raritan River Basin, NJ

Project Name: South River, Raritan River Basin, NJ

Project Purpose: The South River is tidally controlled from its mouth upstream to Duhernal Lake Dam. The area is prone to imminent and severe flooding from hurricanes and other storms, with significant flooding. Funding would be used to implement a plan designed to protect the area from hurricane and storm damage.

Amount Requested: \$500,000

Intended Recipient and Location: New York District of the U.S. Army Corps of Engineers
Stony Brook, Millstone River Basin, NJ

Project Name: Stony Brook, Millstone River Basin, NJ

Project Purpose: Frequent flooding occurs along the Millstone River and Stony Brook low-lying and relative flat floodplain. Funding will be used to continue feasibility phase, including data gathering and analyses, screening of alternatives, plan formulation and environmental scoping efforts.

Amount Requested: \$250,000

Intended Recipient and Location: Township of Irvington
Civic Square, Irvington, NJ

Project Name: Irvington Elizabeth River Channel Reconstruction Project

Project Purpose: The requested funds will be used for reconstruction, repair and clean-up of the Elizabeth River Channel, a conduit constructed by the Army Corps of Engineers in the 1930s that runs the central length of Irvington from north to south for approximately six miles with a depth of about five feet. The channel walls are weak and broken in many locations. The channel in its present condition is a flood and public health hazard as well as a blight on the community. Restoring the channel will reduce flood damage and help restore the community.

Amount Requested: \$2,500,000

The following projects are under the jurisdiction of the Philadelphia District of the U.S. Army Corps of Engineers.

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Absecon Inlet, Atlantic County, NJ

Project Name: Absecon Inlet

Project Purpose: The requested funds will be used to perform maintenance dredging of Clam Creek and to monitor the project. This funding would provide safe, reliable, efficient, effective

and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.

Amount Requested: \$250,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Assunpink Creek, Hamilton Twp, NJ

Project Name: Assunpink Creek, Hamilton Twp, NJ

Project Purpose: The requested funds will be used to investigate flooding problems along the Assunpink Creek in Hamilton Township. This will help to determine the reason for the flooding and possible alternatives to prevent the damage and financial loss associated with flooding.

Amount Requested: \$4,000,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Barnegat Bay Watershed, NJ

Project Name: Barnegat Bay Watershed and Regional Sediment Management

Project Purpose: The requested funds will be used to investigate the possible beneficial uses of dredged material from existing and projects in the area. The study will allow for comprehensive and efficient analysis of the beneficial uses of dredged material which will save taxpayer dollars in the long term and also benefit the local and regional economy.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Barnegat Inlet to Little Egg Harbor Inlet (Long Beach Island), NJ

Project Name: Barnegat Inlet to Little Egg Harbor Inlet (Long Beach Island), NJ

Project Purpose: The requested funds will be used to continue initial beach nourishment in Long Beach Township and Beach Haven. This project provides protection to the homes, businesses and infrastructure in the area.

Amount Requested: \$20,620,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Barnegat Inlet, NJ

Project Name: Project Purpose: The requested funds will be used to perform maintenance dredging of the Inlet. This project provides safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.

Amount Requested: \$700,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers

Brigantine Inlet to Great Egg Harbor Inlet (Absecon Island), NJ

Project Name: Brigantine Inlet to Great Egg Harbor Inlet (Absecon Island)

Project Purpose: The requested funds will be used to complete periodic beach nourishment and initial construction of the Atlantic City bulkhead. This project will provide protection to the homes, businesses and infrastructure in the area.

Amount Requested: \$17,600,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Brigantine Inlet to Great Egg Harbor Inlet (Brigantine Island), NJ

Project Name: Brigantine Inlet to Great Egg Harbor Inlet (Brigantine Island)

Project Purpose: The requested funds will be used to monitor the condition of the project that provides protection to homes, businesses and infrastructure.

Amount Requested: \$80,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Cape May Inlet to Lower Township, NJ

Project Name: Cape May Inlet to Lower Township

Project Purpose: The requested funds will be used for periodic beach nourishment which provides protection to the homes, businesses and infrastructure.

Amount Requested: \$5,200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Cold Spring Inlet, NJ

Project Name: Cold Spring Inlet, NJ

Project Purpose: The requested funds will be used to perform maintenance dredging of the Inlet, Cape May Harbor and also to investigate shoaling as necessary to repair jetties to ensure the integrity of the channel and adjacent structures.

Amount Requested: \$790,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Cooper River Lake, Collingswood, NJ

Project Name: Cooper River Lake, Collingswood, NJ

Project Purpose: The requested funds will be used to study flooding problems along Cooper River Lake in Camden County due to increased urbanization and the resulting runoff. The plan will evaluate both structural and non-structural flood risk management measures

Amount Requested: \$100,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware Bay Coastline, DE & NJ Oakwood Beach, NJ

Project Name: Delaware Bay Coastline, DE & NJ Oakwood Beach, NJ

Project Purpose: The requested funds will be used to initiate berm construction and beachfill to provide protection to the homes, businesses and infrastructure.

Amount Requested: \$250,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Middle Township, NJ

Project Name: Delaware Bay Coastline, DE & NJ Reeds Beach and Pierces Point

Project Purpose: The requested funds will be used to initiate berm construction and beachfill to provide protection to the homes, businesses and infrastructure.

Amount Requested: \$5,000,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware Bay Coastline, DE & NJ Villas and Vicinity

Project Name: Delaware Bay Coastline, DE & NJ Villas and Vicinity

Project Purpose: The requested funds will be used to complete initial construction of a berm to provide protection to the homes, businesses and infrastructure. It will also provide aquatic ecosystem restoration and protection to improve the overall environmental quality within the community.

Amount Requested: \$7,800,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware Estuary, NJ

Project Name: Delaware Estuary Regional Sediment Management

Project Purpose: The goals of this project are to develop a long-term sustainable Regional Sediment Management Plan (RSMP) and to compile U.S. Army Corps of Engineers data to populate the New Jersey Department of Transportation's Dredged Material Management System (DMMS) GIS database and dredged material marketplace. This helps to provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware Estuary, NJ

Project Name: Delaware Estuary Salinity Monitoring Study

Project Purpose: The requested funds will be used to apply a three dimensional model to assess salinity impacts on oysters and other environmental resources to better define aquatic

ecosystem restoration and protection opportunities. This project provides aquatic ecosystem restoration and protection to improve the overall environmental quality in the region.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware River, NJ

Project Name: Delaware River Comprehensive, NJ

Project Purpose: The Delaware River Basin has experienced considerable degradation over the years due to urbanization and industrialization and there have been many significant flooding events. This project seeks to continue working with New Jersey Department of Environmental Protection to determine solutions to the flooding and a method to screen the proposed solutions.

Amount Requested: \$400,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware River, NJ

Project Name: Delaware River Dredged Material Utilization PA, NJ & DE

Project Purpose: This reconnaissance study will evaluate problems, needs, and opportunities in the interest of beneficial use of dredged material including transfer and transport facilities for the drying, re-handling, and transferring of dredged material, as it relates to comprehensive watershed and regional sediment management, ecosystem restoration, navigation, stream restoration, water quality, restoration of coal and other mined areas, cover material for sanitary landfills and other allied purposes in the vicinity of the Delaware River.

Amount Requested: \$181,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware River Estuary, NJ

Project Name: Delaware River Estuary and Environmental Restoration

Project Purpose: The requested funds will be used to start a reconnaissance study to identify and provide a preliminary evaluation of environmental and habitat restoration opportunities in the Delaware Estuary as well as watershed management opportunities and ecosystem improvements in the Delaware River and Bay. This will provide aquatic ecosystem restoration and protection to improve the overall water and environmental quality in the area.

Amount Requested: \$150,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware River, NJ

Project Name: Delaware River, Philadelphia to the Sea

Project Purpose: The requested funds will be used for the annual maintenance dredging which provides safe, reliable, efficient, effective and environmentally sustainable navigation.

Amount Requested: \$21,200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware River, NJ

Project Name: Delaware River, Philadelphia to Trenton, NJ and PA

Project Purpose: The requested funds will be used for the annual maintenance dredging which provides safe, reliable, efficient, effective and environmentally sustainable navigation.

Amount Requested: \$10,110,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Great Egg Harbor Inlet and Peck Beach (Ocean City), NJ

Project Name: Great Egg Harbor Inlet and Peck Beach (Ocean City), NJ

Project Purpose: The requested funds will be used to complete the 5th beach nourishment cycle which provides protection to the area homes, businesses and infrastructure.

Amount Requested: \$6,800,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Great Egg Harbor Inlet to Townsends Inlet, NJ

Project Name: Great Egg Harbor Inlet to Townsends Inlet, NJ

Project Purpose: The requested funds will be used for the construction of a berm and for beachfill which will provide protection to area homes, businesses and infrastructure.

Amount Requested: \$20,000,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Delaware Bay, DE & NJ

Project Name: Habitat Productivity Restoration of Delaware Bay, DE & NJ

Project Purpose: The requested funds will be used to initiate a study to investigate opportunities to restore the productivity of aquatic habitat in the Delaware Bay. This will support the oyster industry in New Jersey.

Amount Requested: \$2,000,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Hereford Inlet to Cape May Inlet, NJ

Project Name: Hereford Inlet to Cape May Inlet, NJ

Project Purpose: The study area was investigated as part of the New Jersey Shore Protection Reconnaissance Study completed in 1990. Since that time erosion has accelerated in North Wildwood, while accretion has continued along the central and southern portions of the island causing health, environmental and storm-water drainage problems. The requested funds will be used to complete feasibility phase including technical and independent peer review for the recommended plan.

Amount Requested: \$300,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Lower Cape May Meadows, Cape May Point, NJ

Project Name: Lower Cape May Meadows, Cape May Point, NJ

Project Purpose: The requested funds will be used for the completion of the 2nd beach nourishment cycle, providing protection to area homes, businesses, and infrastructure.

Amount Requested: \$5,400,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Manasquan Inlet to Barnegat Inlet, NJ

Project Name: Manasquan Inlet to Barnegat Inlet, NJ

Project Purpose: The FY10 funds would be used to initiate initial construction by initiating and completing the Limited Reevaluation Report and drafting the Project Partnership Agreement (PPA). This project is a Flood and Coastal Storm Damage Reduction project designed to protect homes, businesses and infrastructure.

Amount Requested: \$250,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Manasquan River, Howell Township, NJ

Project Name: Manasquan River, Howell Township, NJ

Project Purpose: The project consists of proposed bank stabilization along the right bank of the river parallel to Bergerville Road at a sharp curve in the river. The bank is experiencing severe erosion at the toe, creating a vertical scarp of fifteen to twenty feet from the base of the slope. If erosion is allowed to continue, the roadway will be further undercut and failure of the road will result.

Amount Requested: \$500,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Manasquan River, NJ

Project Name: Manasquan River, NJ

Project Purpose: Manasquan River connects the New Jersey Intracoastal Waterway with the Atlantic Ocean. The requested funds will be used to perform maintenance dredging of the entrance channel and to monitor the jetty. This will help to provide safe, reliable, efficient, effective navigation.

Amount Requested: \$570,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Mason Point Dike Wetlands Restoration, Alloways Creek, NJ

Project Name: Mason Point Dike Wetlands Restoration, Alloways Creek, NJ

Project Purpose: The feasibility study will evaluate alternatives to replacing a failed salt hay farm dike at a State Wildlife Management Area and restoring wetlands by improving tidal flushing and habitat restoration while protecting local roads, residences and a National Historic Landmark site.

Amount Requested: \$150,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Maurice River Watershed, NJ

Project Name: Maurice River Watershed, NJ

Project Purpose: The requested funds will be used for a reconnaissance study of the Maurice River Watershed to investigate solutions to reverse the severe shoreline erosion and wetland loss that is a threat to commercial navigation. The study will investigate the possibility of implementing solutions for the purpose of ecosystem restoration, habitat development, flood damage reduction, and navigational improvements.

Amount Requested: \$150,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Musconetcong River Dam Removals, Milford, NJ

Project Name: Musconetcong River Dam Removals, Milford, NJ

Project Purpose: The requested funds will be used to investigate the removal of five dams to provide migratory fish passage in this Wild and Scenic designated river to valuable spawning and foraging grounds. The aquatic ecosystem restoration and protection will improve the overall environmental quality of the region.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Coastline from Sandy Hook to Cape May, NJ

Project Name: New Jersey Alternative Long-Term Nourishment Study

Project Purpose: Work will continue to evaluate New Jersey's coastal projects as a system to ensure maximum benefits are achieved from the Federal investment and reduce long-term periodic nourishment costs. This includes developing a regional sediment budget and an improved understanding of regional coastal processes, implementation of an efficient regional monitoring program, and development of a comprehensive beach, inlet, and borrow area management strategy.

Amount Requested: \$250,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
New Jersey Intracoastal Waterway, NJ

Project Name: New Jersey Intracoastal Waterway, NJ

Project Purpose: The New Jersey Intracoastal Waterway navigation project extends 117 miles from the Manasquan River to Delaware Bay and is used by commercial as well as recreational vessels. This navigation project provides for a channel 12 feet deep and generally 100 feet wide from the Atlantic Ocean at Manasquan Inlet through Point Pleasant Canal to Delaware Bay above Cape May Point. The project also provides jetties for the protection of the Delaware Bay entrance of the canal. The requested funds will be used to perform maintenance dredging.

Amount Requested: \$4,860,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
New Jersey Intracoastal Waterway, South of Ocean City, NJ

Project Name: New Jersey Intracoastal Waterway, South of Ocean City, NJ

Project Purpose: The requested funds will be used to modify the existing dredged material placement site to eradicate invasive plant species populations and provide habitat for both terrestrial and aquatic species.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Atlantic City, NJ

Project Name: New Jersey Intracoastal Waterway, Dredged Hole 34 Restoration, NJ

Project Purpose: The requested funds will be used to fill an existing dredged hole adjacent to the NJ IWW near Atlantic City to depths that support aquatic habitat.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Ocean City, NJ

Project Name: New Jersey Intracoastal Waterway, Dredged Hole 35 Restoration, NJ

Project Purpose: The requested funds will be used to fill an existing dredged hole in the Ocean City area. This will restore aquatic vegetation and fisheries habitat.

Amount Requested: \$2,000,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Pennsville, Salem County, NJ

Project Name: Pennsville, Salem County, NJ

Project Purpose: The study is intended to investigate flooding problems in the vicinity of the existing pumping facility and from Salem Creek in low-lying areas on the east side of the Township. Structural and non-structural alternatives will be evaluated.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Oaklyn, NJ

Project Name: Restoration of Peter Creek Lake, Oaklyn, NJ

Project Purpose: The requested funds will be used to study the feasibility of dredging the lake, restoring tidal influence and enhancing freshwater wetlands and open water areas.

Amount Requested: \$150,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Salem River, NJ

Project Name: Salem River, NJ

Project Purpose: The requested funds will be used to monitor the possible need of maintenance dredging of an entrance channel from the Delaware River to the fixed highway bridge (Route 49) in Salem.

Amount Requested: \$66,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Seaside Park, Ocean County, NJ

Project Name: Seaside Park, Ocean County, NJ

Project Purpose: The area is subject to erosion of the bayside beaches, which contributes to the larger problem of tidal flooding of streets and residences. The requested funds will be used for a study to determine effective and efficient solutions to the flooding.

Amount Requested: \$200,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Townsend Inlet to Cape May Inlet, NJ

Project Name: Townsend Inlet to Cape May Inlet, NJ

Project Purpose: The requested funds will be used for periodic beach nourishment which provides protection to the area homes, businesses and infrastructure.

Amount Requested: \$17,000,000

Intended Recipient and Location: Philadelphia District of the U.S. Army Corps of Engineers
Trenton, NJ

Project Name: Trenton Marine Terminal

Project Purpose: Bank erosion and wave action threaten a municipal sewage treatment outfall structure and City Park infrastructure at the Trenton Marine Terminal along the Delaware River front in Trenton. The requested funding will be used to study the area and develop solutions.

Amount Requested: \$100,000

Intended Recipient and Location: Delaware River Basin Commission
25 State Police Drive, West Trenton, NJ 08628

Project Name: Mid Atlantic River Basin Commissions

Project Purpose:

To fulfill the federal obligation to support the current expense budgets of the three commissions pursuant to the Delaware River Basin Compact, Susquehanna River Basin Compact and the Interstate Commission on the Potomac River Basin Compact and in accordance with the Water Resources Development Act of 2007.

The requested funds will be used to manage the shared waters without regard to political boundaries. Management of these regional water resources is necessary to protect public health, safety, and welfare.

Amount Requested: \$2,365,000

Intended Recipient and Location: South Central Middlesex County Flood Control
Commission
75 Bayard Street, Rm 230, New Brunswick, NJ 08901

Project Name: Preparation of Flood Plain Delineation Maps for Drainage Basins

Project Purpose: The requested funds will be used to prepare a Flood Plain Delineation Maps for the Drainage Basins of the Manalapan and Matchaponix Brooks. This is the first step to undertaking specific capital projects to deal with the major flooding problems in these parts of Middlesex County.

Amount Requested: \$500,000

The following projects will help increase energy efficiency and advance innovations in energy technologies.

Intended Recipient and Location: Bayonne Municipal Utilities Authority
630 Avenue C, Bayonne, NJ 07712

Project Name: Wind Turbine Generator for Oak Street Pumping Station

Project Purpose: The requested funds will be used to install a 1.5MW wind-turbine powered generator to provide a source of renewable clean energy to operate the Bayonne MUA's Oak Street Pumping Station, the main combined sanitary-storm water pumping station serving the entire City of Bayonne. Installation of the wind-powered generator will produce an immediate 46% reduction in the Bayonne MUA's total electrical energy operating costs in addition to reducing load demand on the local/regional power grid.

Amount Requested: \$500,000

Intended Recipient and Location: Borough of North Haledon
103 Overlook Avenue, North Haledon, NJ 07508

Project Name: North Haledon Energy Efficient Municipal Complex

Project Purpose: The requested funds will be used for the purchase of an environmentally sensitive HVAC system for the new “Green” municipal building. North Haledon is currently in the design phase for its new multi-functioning municipal building and the borough has made a conscious decision to use cutting edge “Green” technologies in order to make the building as energy efficient as possible.

The project will reduce carbon emissions, energy consumption and will also save borough taxpayers.

Amount Requested: \$1,500,000

Intended Recipient and Location: City of Elizabeth
City Hall, 50 Winfield Scott Plaza, Elizabeth, NJ

Project Name: Solar Panels in Municipal Owned Buildings

Project Purpose: The requested funds will be used to incorporate solar panels in municipally-owned buildings. The City of Elizabeth is committed to implementing green planning and construction within existing and newly developed buildings which will reduce overall energy costs for the residents and benefit the environment.

Amount Requested: \$2,200,000

Intended Recipient and Location: City of Perth Amboy
260 High Street, Perth Amboy, NJ 08861

Project Name: Municipal Complex Solar Power Project

Project Purpose: The requested funds will be used to purchase and install a solar power system at both the new YMCA/Police/Court building and Fire/Code Enforcement building. This will reduce electric use and costs.

Amount Requested: \$500,000

Intended Recipient and Location: City of Trenton
319 East State Street, Trenton, NJ 08608

Project Name: Trenton Clean Energy Project

Project Purpose: The requested funds will be used to implement the first phase of energy efficiency recommendations developed through an assessment by an outside firm. The City will save \$800,000 a year through reduced energy costs.

Amount Requested: \$1,000,000

Intended Recipient and Location: County of Essex
465 Dr. Martin Luther King Jr. Blvd, Newark, NJ 07102

Project Name: Energy Efficient Window Replacement at Kip’s Castle

Project Purpose: The requested funds will be used to replace old, inefficient windows at Kip's Castle, a historic property that will become the County's cultural resource center. Most of the windows are over 100 years old. This project would replace them with Energy Star-rated

windows that will improve heating and cooling retention, provide energy cost savings to the County of no less than 30% annually for this building and make the building more environmentally sound.

Amount Requested: \$696,000

Intended Recipient and Location: County of Hudson
583 Brennan Courthouse Building, Jersey City, NJ 07306

Project Name: Installation of Solar Panels on County Facilities

Project Purpose: The requested funds will be used to install state-of-the-art solar energy systems on-site at four County facilities. This project will promote the increased use of clean, renewable solar energy and reduce energy costs to the County of Hudson. It will also significantly decrease the County's overall carbon footprint.

Amount Requested: \$1,000,000

Intended Recipient and Location: EPV Solar, Inc.
8 Marlen Drive, Robbinsville, NJ 08691

Project Name: Solar Research & Development Commercialization

Project Purpose: The requested funds will be used to develop a commercial process for the production of high-efficiency solar photovoltaic panels based on existing technology currently used by EPV Solar at its manufacturing plant in Robbinsville, NJ, and elsewhere. This project will create jobs and advance the economic competitiveness of solar energy in America.

Amount Requested: \$2,000,000

Intended Recipient and Location: Liberty Science Center
222 Jersey City Blvd, Jersey City, NJ 07305

Project Name: Solar Energy and Conservation Project

Project Purpose: The purpose is to fund a two million megawatt solar array installed on a modified carport structure spanning the rows of head to head parking spaces throughout the lot. An array of this size will make Liberty Science Center nearly self-sufficient in energy power and will generate between 50 and 100 green jobs. The solar capacity will eliminate CO2 emissions equivalent of removing nearly 310,000 cars from the road for one year.

Amount Requested: \$2,000,000

Intended Recipient and Location: Montclair State University
1 Normal Avenue, Montclair, NJ 07043

Project Name: School of Conservation Campus Solar Energy Initiative

Project Purpose: The requested funds will be used to install a battery of solar modules to produce a 'solar farm' at the New Jersey School of Conservation (NJSOC), the field research and education station of Montclair State University. This project will generate clean, renewable

electricity and reduce operating costs, while saving up to 100% of the cost of a complete solar electric installation within ten years of its 30-40 year life.

Amount Requested: \$1,000,000

Intended Recipient and Location: Ramapo College of New Jersey
505 Ramapo Valley Road, Mahwah, NJ 07430

Project Name: Energy Efficiency Capital Projects

Project Purpose: Funding will be used to purchase and install energy efficient HVAC equipment, as well as energy efficient roof replacement on several buildings on campus. The installation of new efficient air handling equipment is estimated to reduce electric usage by 15 to 20 percent, resulting in a dramatic savings of energy.

Amount Requested: \$2,000,000

Intended Recipient and Location: Rowan University
201 Mullica Hill Road, Glassboro NJ 08280

Project Name: Algae to Ethanol Research and Evaluation

Project Purpose: The requested funds will be used to conduct research on the most efficient mixtures of carbon dioxide, nitrogen, and phosphorus to use in bioreactors to grow algae. Algae-based biofuels production holds promise in helping the U.S. to become energy independent by developing a domestic renewable energy source to replace imported petroleum products and a viable alternative to ethanol derived from currently-used feedstock. Algae-based ethanol is expected to be less energy intensive to produce than corn-based ethanol and may utilize carbon dioxide that has been sequestered to reducing greenhouse gases.

Amount Requested: \$1,000,000

Intended Recipient and Location: SiGNa Chemistry, Inc
1 Deer Park Drive, Suite C, Monmouth Junction, NJ 08853

Project Name: Clean, Energy-Efficient Manufacturing of Ethanol to Ethylene

Project Purpose: The requested funds will be used to support advanced materials research and systems development with Department of Energy to create new catalysts and clean manufacturing processes to efficiently convert alcohols (i.e. ethanol) to ethylene and an important raw material for the production of plastics. Environmentally-responsible, cost-effective technologies are critical to the economic recovery of our chemical industry and will generate new jobs for a wide range of manufacturers.

Amount Requested: \$2,500,000

Intended Recipient and Location: SiGNa Chemistry, Inc

1 Deer Park Drive, Suite C, Monmouth Junction, NJ 08853

Project Name: NaSi Hydrogen Fuel Storage and Delivery

Project Purpose: The requested funds will be used to support advanced materials research and systems development to increase hydrogen yield of SiGNa powders for commercial and military fuel cell applications. SiGNa's sodium silicide derivative powders are air stable, high yielding, and provide high density transport for production of clean hydrogen gas and would support environmentally-responsible job growth and enable commercialization of hydrogen fuel cells.

Amount Requested: \$2,000,000

Intended Recipient and Location: South Jersey Economic Development District
226 N. High Street, Millville, NJ 08330

Project Name: Buena Solar Farm

Project Purpose: The Buena Borough is seeking to transform a contaminated site into a solar farm to demonstrate the benefits of alternative energy to the community. The funding would be used to remediate a contaminated site while also generating revenue and reducing energy consumption.

Amount Requested: \$1,000,000

Intended Recipient and Location: South Jersey Economic Development District
226 N. High Street, Millville, NJ 08330

Project Name: South Jersey Wind Turbines

Project Purpose: The requested funds will be used to construct wind turbines on selected sites in southern New Jersey that will have multifaceted benefits in the communities in which they are located. In Sea Isle City the wind turbines will be placed atop the municipal landfill, allowing the community to return underutilized land back to productive use. In Penns Grove, the turbines will provide cost savings to allow the reconstruction of a water collection system that is antiquated and dilapidated.

Amount Requested: \$2,000,000

Intended Recipient and Location: Stony Brook-Millstone Watershed Association
31 Titus Mill Road, Pennington, NJ 08534

Project Name: Watershed Environmental Center

Project Purpose: The requested funds will be used for the development of a new Environmental Center that will be a leading platform for teaching and modeling technologies and practices to address environmental challenges. The Center will help to teach and inspire the ten thousand school children and others who visit the existing undersized and antiquated nature center. The project will employ advanced energy and waste systems and would employ an average workforce of 40 people over a 12-month construction schedule and a peak workforce of about 60 people.

Amount Requested: \$1,000,000

Intended Recipient and Location: Township of Bloomfield
1 Municipal Plaza, Bloomfield, NJ

Project Name: Municipal Building Energy Efficient Heating System

Project Purpose: The requested funds will be used to help replace the current boiler and heating system with a state of the art environmentally friendly system. Bloomfield's municipal complex dates back to the early 1920's and yet its original heating system is still in use. The current system is outdated, inefficient, expensive to operate, and is not eco-friendly.

Amount Requested: \$425,000

Intended Recipient and Location: Township of Cherry Hill
820 Mercer Street, Suite 105, Cherry Hill, NJ 08002

Project Name: Environmental Impact and Infrastructure

Project Purpose: The requested funds will be used to educate the public on consumption rates and, with the newly-formed grassroots non-profit Sustainable Cherry Hill, to expand Cherry Hill's leadership role for sustainable living in South Jersey. Funds will also be used to invest in the latest energy-saving computer equipment to limit overall energy use.

Amount Requested: \$1,820,000

Intended Recipient and Location: Township of Cranford
8 Springfield Avenue, Cranford, NJ 07016

Project Name: Municipal Building Energy Efficient Window Replacement Program

Project Purpose: This project would reduce the energy costs of heating and air-conditioning at the Municipal Building by replacing 45 old windows that were built in 1960 with energy efficient windows. This project will reduce the energy costs at the Municipal Building, thus reducing the electrical and gas demand from the already stressed systems for the region, and reducing the increases in tax dollars to the community in the form of gas and electric charges.

Amount Requested: \$180,000

Intended Recipient and Location: Township of South Orange
101 South Orange Avenue, South Orange, NJ 07079

Project Name: Public Works Solar Panel Roof Replacement

Project Purpose: The requested funds will be used to replace the roof on the town's Department of Public Works (DPW) facility and install solar panels. The roof has deteriorated and leaks severely, causing hazardous conditions and destruction to valuable equipment and to the

facility itself. Solar panels on the roof will save in energy costs which will in turn save taxpayer money.

Amount Requested: \$367,000

Intended Recipient and Location: Township of Verona
600 Bloomfield Avenue, Verona, NJ 07044

Project Name: Township of Verona/Verona Board of Education Solar Initiative

Project Purpose: The requested funds will be used to provide alternate solar energy supply for Verona High School/Verona Wastewater Treatment Facility. The proposed project seeks to serve as a model for future generations and as an educational tool for considering alternative energy resources.

Amount Requested: \$935,000

Intended Recipient and Location: Treadstone Technologies
201 Washington Road, Princeton, NJ 08540

Project Name: Multi-State Consolidated Electromechanical High Pressure

Project Purpose: The requested funds will be used to integrate, test, demonstrate and commercialize a high pressure electrochemical compressor technology that provides hydrogen fuel to refueling stations for advance hybrid-fuel cell vehicles. The TreadStone proposal was reviewed by a "Peer Merit Review Board" under a Department of Energy Hydrogen Production solicitation in early 2008. The proposal scored in the Technical Merit Award range but was not awarded due to the lack of available funding. Support for this request will ensure that funding is available for the project.

Amount Requested: \$1,500,000

Intended Recipient and Location: Trenton Fuel Works, LLC
James Forrestal Campus C-Site, Princeton, NJ 08543

Project Name: Cellulosic Diesel Biorefinery

Project Purpose: The requested funds will be used to lease the Mercer County Regional Sludge Facility as part of a plan to convert it into a biorefinery that can process organic food and food-contaminated paper waste materials into cellulosic diesel fuel, biochemicals and other biofuels. Funding would also be used to complete the detailed engineering plans suitable for bidding out to an equipment procurement/construction contractor. This project will provide jobs in New Jersey while advancing the goals of the Energy Policy Act of 2005, which calls for a broad and diversified program of biofuels and biorefinery development.

Amount Requested: \$1,700,000

Intended Recipient and Location: Universal Display Corporation

375 Philips Blvd, Ewing, NJ 08618

Project Name: Prototyping of 'Green' Energy Efficient OLED Solid State Lighting

Project Purpose: The requested funds will be used to accelerate the launch of "green" energy saving solid state OLED lighting. The program will focus on partnering with key US lighting manufacturers to produce OLED lighting prototypes, incorporating UDC 's phosphorescent OLED technology. Expected energy savings through OLED lighting could exceed 0.55 quads by 2015; equivalent to almost 100 million barrels of oil annually. Availability of phosphorescent OLED lighting prototypes is a critical juncture for manufacturers. This funding will create jobs in New Jersey, help to establish the US as a global leader in OLED lighting technology, retain intellectual property rights, high tech value-added jobs, and economic growth for the nation.

Amount Requested: \$1,200,000