

ACOE= Army Corps of Engineers

ACOE, Christina River Watershed, PA, DE, & MD

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$300,000 for continuing investigation of the Christina River Watershed (Red Clay Creek) to allow development of a plan to address flood damage reduction, water quality control, ecosystem restoration, and other purposes.

ACOE, Delaware Bay Coastline, Broadkill Beach, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$250,000 for completion of Limited Reevaluation Report and execution of Project Partnership Agreement for initial construction of berm and dune along 14,600 feet of beach. This will allow a coastal protection plan to move forward.

ACOE, Delaware Coast from Cape Henlopen to Fenwick Island, Bethany Beach to South Bethany, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$3,500,000 for the second nourishment cycle of 14,950 feet of beach, improving coastal protection and boosting tourism.

ACOE, Delaware Coast from Cape Henlopen to Fenwick Island, Fenwick Island, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$150,000 for the monitoring of 6500 feet of beach until funds are available for second nourishment cycle. This will help maintain the beach for use as it is until further funds are available.

ACOE, Delaware Coast Protection, Sand Bypass Plant, Indian River Inlet, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$1,390,000 for the construction and operation of sand bypassing plant for periodic nourishment of 3,500 foot feeder beach that protects Delaware Route 1 highway. This will protect the Route 1 highway that is an important thoroughfare and a storm evacuation route.

ACOE, Delaware Coast, Cape Henlopen to Fenwick Island, Rehoboth Beach and Dewey Beach, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$4,000,000 for the periodic renourishment of 13,500 feet of beach, covering the towns of Dewey Beach and Rehoboth Beach, improving coastal protection and boosting tourism.

ACOE, Delaware Coastline, Roosevelt Inlet to Lewes Beach, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$350,000 for the monitoring of 1400 feet of beach until funds are available for second nourishment cycle. This will help maintain the beach for use as it is until further funds are available.

ACOE, Delaware Estuary Regional Sediment Management (RSM)

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$200,000 to facilitate development of a long-term sustainable Regional Sediment Management Plan and management of a Regional Dredging Team. This will improve water quality and navigability of the Delaware River.

ACOE, Delaware Estuary Salinity Modeling Study

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$200,000 to expand on ongoing Section 22 (Planning Assistance to States) study assessing salinity impacts on oysters and other environmental resources. This will help us better to manage the commercial oyster fishery and protect water quality.

ACOE, Delaware River Dredged Material Utilization Study

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$181,000 to continue reconnaissance of options for disposal and use of dredged material within Delaware River and Bay area. This will help us find more efficient, safe, and useful ways to make use of dredged material from the Delaware River.

ACOE, Delaware River Estuary and Environmental Restoration

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$150,000 to start reconnaissance study to identify and evaluate environmental and habitat restoration opportunities in the Delaware Estuary as well as watershed management and ecosystem improvement opportunities for Delaware River and Bay. This will help us find new ways to preserve the water quality and navigability of the Delaware River and Bay.

ACOE, Flood Plain Management Study, White Clay Creek, New Castle County, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$200,000 to continue study of flood damage, local dam damage, and altered channel segments in this National Wild and Scenic River, resulting from tropical storms. This will help us prepare a plan to address flooding and storm damage on this river.

ACOE, Flood Water Abatement

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$750,000 for construction of dike-like structures, drainage improvements, and surface remediation to reduce flooding at Port of Wilmington. This will increase the Port's cargo capacity.

ACOE, Habitat Productivity Restoration of Delaware Bay, DE & NJ

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$2,000,000 to initiate study to expand upon ongoing and successful efforts to create habitat resources for the native oyster population in the Delaware Bay, including shell planting, transplanting, and monitoring. This will further our maintenance of the commercial oyster fishery and will improve water quality in the Delaware Bay.

ACOE, Harbor of Refuge, Lewes, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$1,375,000 for a design and condition survey as well as beginning of design work and repairs on 8,000 foot long breakwater listed in National Register of Historic Places. This breakwater houses a historic lighthouse and protects local beaches and communities from storms.

ACOE, Inland Waterway, Rehoboth Bay to Delaware Bay, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$1,920,000 for maintenance dredging of critical shoaling areas within 10-foot federal channel, as well as bank stabilization and repair. This will make the waterway more commercially and recreationally useful.

ACOE, Intracoastal Waterway, Delaware River to Chesapeake Bay (C&D) Canal

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$5,725,000 for repair and painting of four Corps-owned bridges, as well as operation and maintenance of recreation trail along north side of Canal. This will improve the safety of the bridges and ensure continued recreation opportunities for local residents.

ACOE, Little Mill Creek, New Castle County, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$3,375,000 for the reevaluation of 1995 Feasibility Report and the subsequent construction of project for flood mitigation along Lower Portion. This will improve flood management in populated area.

ACOE, Mispillion Inlet, Sussex County, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$200,000 for the initiation of ecosystem restoration study of North Shoreline habitat recreation and restoration of Osprey Beach. This will develop a plan to restore and protect coastal habitat while providing recreational access.

ACOE, Mispillion River, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$1,410,000 for the rehabilitation of south jetty and habitat restoration. This will restore and protect habitat as well as shore up an aging jetty.

ACOE, Murderkill River, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$680,000 to perform maintenance dredging of critical shoaling areas within 7-foot federal channel. This will make the waterway more commercially and recreationally useful.

ACOE, Pennsylvania Avenue Improvement, Bethany Beach, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$200,000 to conduct study to develop plan to deal with flooding in town of Bethany Beach. This will allow plans to move forward to address long-time flooding on major road in coastal town.

ACOE, Wilmington Harbor, Christina River, DE

Army Corps of Engineers, Philadelphia District

The Wanamaker Building

100 Penn Square East

Philadelphia, PA 19107

\$6,310,000 for regular maintenance dredging for Wilmington Harbor, which supports major Port. This keeps the port operating at full capacity.

Air Industrial Park Water Treatment Improvements

Sussex County Council

P.O. Box 589

Georgetown, DE 19947

\$100,000 to remove contaminants from the potable water supply as required by the Environmental Protection Agency and increase the line capacity to improve fire protection at the Sussex County Industrial Air Park.

Angola Neck Sanitary Sewer Project, Sussex County, DE

Sussex County Council

2 The Circle

Georgetown, DE 19947

\$500,000 to construct wastewater collection and transmission facilities to serve the Angola Neck Sanitary Sewer District located on the Rehoboth Bay. This project will eliminate failing septic systems for 1360 residences and prevent harmful nutrients from entering the Bay.

ANP, NIDS Handheld Common Identifier for Biological Agents

ANP Technologies, Inc.

824 Interchange Blvd.

Newark, DE 19711

\$4,000,000 to develop nucleic acid-based assays for the detection of a variety of biological warfare agent related bacteria and viruses using the Nano-Intelligent Detection System (NIDS) handheld biological agent detector developed by ANP Technologies. Lighter and less expensive than the single agent handheld assay currently deployed by the Department of Defense, this handheld agent detector will also be capable of detecting 10 biothreat targets simultaneously. Providing a detection system that is light, rapid, reliable and easy-to-use, and one that is able to detect multiple threats, enhances the military ability to protect its soldiers on the battlefield and the American people in the homeland in case of biological warfare agent attacks.

Beebe Medical Center, School of Nursing

Beebe Medical Center

424 Savannah Road

Lewes, DE 19958

\$1,500,000 to construct a new building for the School of Nursing. The project will double Beebe's nursing enrollment and also train additional nurses to care for patients in Delaware and Delmarva.

Best Buddies, Programs for Children of Individuals with Disabilities

Best Buddies Delaware

1035 N. Lincoln Street, Suite 400

Wilmington, DE 19805

\$200,000 to expand Best Buddies presence in Delaware to enhance the lives of children and adults with intellectual disabilities.

Brandywine Park, "Sugar Bowl" Pavilion Restoration

Friends of Wilmington Parks

P. O Box 435

Montchannin, DE 19710

\$225,000 for the restoration and reconstruction of the "Sugar Bowl" pavilion in the Brandywine Park area of Wilmington listed in the National Historic Register since 1981. Once restored, the pavilion will provide an educational and cultural venue for the use of Wilmington's citizens and visitors.

Children and Families First Delaware, Functional Family Therapy for At-Risk Youth (DE Girls Wraparound)

Children and Families First Delaware

2005 Bayard Blvd.

Wilmington, DE 19802

\$500,000 to support a program that provides intensive, home-based counseling and case management for 60-70 girls, ages 12-18, over the course of 24 months, targeting girls who have been incarcerated or are at immediate risk for incarceration. The program uses the evidence-based Functional Family Therapy model, which is part of the Office of Juvenile Justice Delinquency Prevention's Blueprint for Violence Prevention. The program, which began in the fall of 2006, reduces recidivism, improves school attendance, and helps prevent out-of-home placements so the girls succeed in school, at work, and in the community.

Christiana Care Health System, Wilmington Hospital's Emergency Department

Christiana Care Health System

501 West 14th Street

Wilmington, DE 19801

\$1,000,000 to double the size of the Wilmington Hospital's overburdened Emergency Department in order to improve access and quality of care for residents who rely heavily on the services provided by Christiana Care.

City of Dover, Lincoln Park Center & Clarence Street Extension

City of Dover

15 East Loockerman Street

Dover, DE 19901

\$1,000,000 to extend Clarence Street in a northerly direction which will significantly improve the efficiency of the downtown transportation system by creating a north-south connector, thereby extending the existing grid-system, improving access to transit, and expanding the sidewalk network. The road extension will foster redevelopment of an underutilized industrial area of the City.

City of Dover, Public Library: New Anchor Library Building Project

City of Dover

15 East Loockerman Street

Dover, DE 19901

\$500,000 to build a new public library in place of the 1961 library facility. This public library will serve as an anchor library for Kent County. The current facility hosts 1,000 visitors per day, but the space is inadequate. This project is beneficial to the community as studies have shown that each dollar spent on a public library yields \$4 income for a community.

City of Dover, Wyoming Mill Road Realignment

City of Dover

15 East Loockerman Street

Dover, DE 19901

\$850,000 to realign Wyoming Mill Road and install a traffic signal, which will remove an existing safety and congestion problem in this area of the City. Pedestrian access in this area will also be significantly improved.

City of Wilmington, Waste Water Treatment Plant (WWTP)

City of Wilmington

Louis L. Redding City/County Building

800 French Street

Wilmington, DE 19801

\$1,000,000 to install flow meters on the existing City and County forcemains at the WWTP to reduce the volume of Combined Sewer Overflows (CSOs) and improve water quality in the rivers which impact over 400,000 residents (including 72,862 in the City of Wilmington) that discharge to the WWTP.

Civil Air Patrol

Civil Air Patrol National Headquarters

Maxwell AFB, AL

\$4,400,000 to allow Civil Air Patrol to continue at current level of operations across the country. The Civil Air Patrol is congressionally chartered to carry out the non-combative missions of the US Air Force in the United States through inland search and rescue, disaster relief and counter-drug missions, homeland security, aerospace education, and youth development. The President's budget request reduced funding for Civil Air Patrol operations by \$4.4 million, meaning every state, including Delaware, will lose some of its search and rescue capacity and see reductions in field support, cadet programs, and training sorties and exercises.

DANG, C-130 Aircraft Maintenance Shops

Delaware Air National Guard

2600 Spruance Drive

New Castle, DE 19720-1615

\$11,600,000 to replace the Delaware Air National Guard's engine maintenance shop, aircraft generation shop, aircraft maintenance unit shop area, and the non-destructive inspection shop area. The Delaware Air National Guard's 166th Airlift Wing flies eight C-130s in regular support of operations in Iraq and Afghanistan. In order to do their missions, it is essential that the planes be properly maintained. This request will replace existing maintenance shops built shortly after the Korean War.

DAFB, Chapel Center

Dover Air Force Base

Dover, DE 19902

\$5,000,000 to construct a new 300 seat chapel center at Dover AFB. The current main base facility has been closed because it was too dilapidated and could not be renovated. Airmen on the main base now have to walk 20 minutes to a smaller chapel near the married housing. A new chapel is needed to meet the religious needs of personnel and their dependents assigned to Dover AFB. In addition, Dover mortuary has processed over 4,400 human remains as part of the current Global War on Terrorism; families waiting to view dignified transfers and/or outbound escorts deserve an adequate place for reflection.

DAFB, Consolidated Communications Facility

Dover Air Force Base

Dover, DE 19902

\$12,100,000 to construct a new 32,000 square foot communication squadron which consolidates five communication facilities into one. Currently, the Dover Communications facilities are ranked 2nd worst in the Air Mobility Command (AMC) by the MAJCOM Facility Program Panel. This project will provide a modern communications capability that can be protected, fully support Dover missions, and reduce yearly operating costs.

DAFB, Maintenance Hangar Phase I

Dover Air Force Base

Dover, DE 19902

\$28,000,000 to construct a single bay, full-in maintenance hangar for maintaining C-5 and C-17 aircraft. Dover AFB hauls more channel cargo than the rest of Air Mobility Command's airlift bases combined. Without a new completely covered maintenance hangar, during harsh weather Dover AFB will suffer from longer maintenance turn-around times and additional maintenance labor requirements, which may impact the base's mission.

DAFB, Precision Measurement Equipment Laboratory

Dover Air Force Base

Dover, DE 19902

\$4,000,000 to construct a new 10,000 square foot Precision Measurement Equipment Laboratory. The existing facility is undersized and barely able to meet certification requirements. The mission of the 436th Airlift Wing, 166th Airlift Wing (Delaware Air National Guard), 439th Air Reserve Wing, 42nd Aerial Port Squadron and the 625th Maintenance Squadron will be degraded if critical general and aircraft related test equipment cannot be repaired and certified in a timely manner. Failure to plan for and construct a new facility could result in the loss of calibration and repair services on Dover AFB, resulting in the 5,400 item inventory being absorbed by another certified facility.

Delaware AeroSpace Education Foundation (DASEF), Green Technology for DASEF's Learning Center and Museum

Delaware AeroSpace Education Foundation

5 Essex Drive

Bear, DE 19701

\$710,000 for the installation of clean, renewable energy sources at Earth Systems Learning Center and Museum. Funding for site and structure is already secured. This will help provide educational opportunities relating to clean energy technologies for children and adults.

Delaware Capitol Police, Carvel State Building Video Surveillance Project

Delaware Capitol Police

150 William Penn Street

Dover, DE 19901

\$75,000 for the Delaware Capitol Police to purchase and install digital video surveillance cameras and head end capturing and recording equipment for the Carvel State Building in Dover, Delaware. The building houses the offices of the Governor, the Lt. Governor, members of the General Assembly and Delaware Supreme Court, and numerous other state agencies. This project would replace several existing analog cameras, add additional cameras throughout the building and on the building's perimeter, and convert current analog recording systems to digital, thereby enhancing the safety of the building's occupants and visitors.

Delaware Capitol Police, New Castle County Courthouse Capitol Police Command Center and Lobby Surveillance Project

Delaware Capitol Police

150 William Penn Street

Dover, DE 19901

\$130,000 to upgrade the Delaware Capitol Police command center in the New Castle County Courthouse and to purchase and install video surveillance equipment for the same facility. This program will significantly enhance the safety and security of courthouse employees and visitors.

Delaware Children's Museum, Construction

Delaware Children's Museum, Inc.

110 South Poplar Street Suite 103

Wilmington, DE 19801

\$500,000 for renovations to the existing buildings in Wilmington and the construction of exhibits to create Delaware's first children's museum. This will assist in revitalizing the Christina Riverfront area and provide educational opportunities for Delaware children.

**Delaware Department of Technology and Information's School Improvement
Technology Switch Replacement**

Department of Technology and Information

801 Silver Lake Boulevard

Dover, DE 19904

\$2,400,000 for the purchase and installation of replacement core and edge switches and the purchase of ancillary devices needed for computing operations and software maintenance in nearly 200 public school buildings throughout Delaware.

Delaware Futures, Preparing Urban Youth for College

Delaware Futures

1104 North Adams Street

Wilmington, DE 19801

\$200,000 to expand the Delaware Futures program to prepare at-risk and economically disadvantaged urban youth for college.

Delaware Mentoring Council, Mentoring Initiatives for At-Risk Children and Youth

Delaware Mentoring Council

University of Delaware

Newark, DE 19716

\$750,000 to expand mentoring programs into 10 new schools in four school districts throughout Delaware. The program will train and coordinate hundreds of mentors who will work together to increase academic achievement and decrease delinquency

Delaware River Basin Commission, Climate Change and Water Security Preparedness

Delaware River Basin Commission

25 State Police Drive

West Trenton, NJ 08628

\$300,000 to conduct a climate change and water security risk assessment that is customized to the Delaware River and Bay. This will allow residents, regional planners, and local officials to prepare for the effects of a changing climate on Delaware's coast and waterways.

Delaware River Basin Commission, Enhanced Flood Warning System

Delaware River Basin Commission

25 State Police Drive

West Trenton, NJ 08628

\$235,000 for enhancements to the Delaware River Basin's flood warning system, including: (1) upgrades to the existing precipitation and stream gage network, (2) improvement of flash flood forecasting capabilities, (3) flood warning education and outreach, and (4) support of flood coordination. Following three Delaware River main stem floods, the continued development of an enhanced basin-wide flood warning system is critical for ensuring that the existing flood warning system is adequately maintained and that technological advancements are continued.

Delaware River Basin Commission, Funding

Delaware River Basin Commission

25 State Police Drive

West Trenton, NJ 08628

\$715,000 for funding of Congressionally-chartered Commission aimed at federal interest of managing shared waters without regard to political boundaries. Allows regional coordination on issues relating to estuary that supplies 15 million people with water.

Delaware State Police, Expansion of Automated Fingerprint Identification System

Delaware State Police

1441 N. DuPont Highway

Dover, DE 19903

\$700,000 for the Delaware State Police to purchase 350 Mobile Automated Fingerprint Identification Devices for installation in patrol cars. Individuals arrested or detained by the police often provide false information about their identities. These mobile devices allow officers to identify many of these individuals, particularly those wanted for other offenses, at the point of detention, promoting efficiency and officer safety.

Delaware State Police, In-Car Camera System

Delaware State Police

1441 N. DuPont Highway

Dover, DE 19903

\$1,940,000 for the purchase and installation of digital in-car camera systems, along with centralized digital storage devices, for the patrol fleet of the Delaware State Police, Dover, Delaware. In-car cameras have proven to provide valuable evidentiary information in both criminal and civil cases. The patrol fleet is now equipped with aging and technologically obsolete analog cameras that need replacement.

Delaware State Police, Patrol Cars

Delaware State Police

1441 N. DuPont Highway

Dover, DE 19903

\$2,066,000 for the purchase of 90 replacement patrol vehicles, along with bar lights and seat barriers, by the Delaware State Police. This project will upgrade an aging patrol fleet to ensure that the fleet's vehicles are safe and reliable.

Delaware State Police, Survival Equipment

Delaware State Police

1441 N. DuPont Highway

Dover, DE 19903

\$148,000 for the Delaware State Police to purchase 150 vests, 30 shotguns, and 30 handguns. State funds for weapon and vest replacement programs have been sharply cut over the last two years. The requested funds would promote officer safety and effectiveness.

Delaware State University, Crime Scene Advanced Data Analytics Initiative

Delaware State University

1200 North DuPont Highway

Dover, DE 19901

\$1,500,000 to create a pilot mobile crime scene unit that will use biological markers (DNA) to establish secure and reliable evidence tracking for use in the criminal justice system and elsewhere. Upon successful demonstration of the pilot mobile unit, it will serve as a model for law enforcement agencies throughout the United States.

Delaware State University, Health Initiative

Delaware State University

1200 North Dupont Highway

Dover, DE 19901

\$750,000 to establish the first Masters Program in Public Health in Delaware which will benefit and enhance opportunities for residents to acquire appropriate credentials and skills essential to improving health care in the state. The program will fulfill the Institute of Medicine's recommendations and will link academics to community needs.

Delaware State University, Neuroscience Consortium

Delaware State University
1200 North Dupont Highway
Dover, DE 19901

\$500,000 for engineering and construction services of laboratories and animal facilities to renovate space as it is converted into neuroscience research labs. This program will help the university expand its neuroscience programs and encourage more people to pursue careers in neuroscience research within Delaware.

Delaware State University, Traffic Data Exchange Pilot Project

Delaware State University, Public Safety Office
1200 North DuPont Highway
Dover, DE 19901

\$500,000 to link transportation related data from the Delaware Department of Transportation's Traffic Management Center and various public safety related data systems. This project will enhance critical information necessary for state and local officials to analyze and determine situational awareness on a day-to-day basis. This funding will help improve safety and alleviate traffic congestion.

Delaware Technical and Community College, Distance Learning Technology

Delaware Technical Community College
100 Campus Drive
Dover, DE 19903

\$540,000 to expand the number of Distance Learning Classrooms, enabling students to enroll in courses which would not otherwise be available to them at their campus.

Delaware Technical and Community College, Equipment for Applied Energy Education Center

Delaware Technical & Community College
100 Campus Drive
P.O. Box 897
Dover, DE 19903

\$410,000 to purchase equipment to enable Delaware's only community college to offer associate degrees and certificates in renewable energy, energy efficiency, and energy auditing. This will provide important "green job" opportunities to Delawareans and increase the number of people trained in these emerging fields.

Delaware Technical and Community College, Stanton Campus, Health Sciences Building

Delaware Technical and Community College
100 Campus Drive
Dover, DE 19903

\$3,000,000 to construct a health sciences education building at the Stanton Campus in New Castle County to house current and projected academic degree programs in the areas of biotechnology, nursing, allied health and the sciences. This expansion will help address the nursing shortage and the increasing labor needs of the healthcare community.

Delaware Technical and Community College, Terry Campus Child Development Center

Delaware Technical & Community College
100 Campus Drive
P.O. Box 897
Dover, DE 19903

\$1,500,000 to construct a Child Development Center and Early Childhood Education Lab to accommodate more children, many of whom are currently on a wait list. This project will help student parents afford high quality child care while also working towards a postsecondary degree or credential.

Delmarva Clergy United in Social Action, Health Development Center

Delmarva Clergy United in Social Action
13726 South Old State Road
Ellendale, DE 19941

\$250,000 for construction of a Health Development Center to provide pregnant teens and young mothers who are suffering from substance abuse problems the tools necessary for success.

DNG, Counterdrug Task Force

*Delaware National Guard
First Regiment Road
Wilmington, DE 19808*

\$300,000 to support the Delaware National Counterdrug (DE-CD) Task Force in its efforts to sustain operations and level of support to Federal, State and local law enforcement agencies across the State of Delaware. An increase in funding will permit DE-CD to meet the open requests for support from the FBI, the Delaware State Police, and local police departments. Additionally, an increase would also enable DE-CD to expand their Drug Education Program by funding three additional staff to meet the high demand for the program from middle schools across the State.

DNG, Phoenix Quad-Band Satellite Receiver

Delaware National Guard

2600 Spruance Drive

New Castle, DE 19720-1615

\$5,000,000 to allow the Delaware National Guard to acquire two additional AN/TSC-156 Phoenix Tactical Super High Frequency Satellite Terminals for the Delaware Army National Guard's 261st Signal Brigade. Missions in support of the combat operations require satellite communications to support operations in hostile areas in mountainous terrain. The Delaware National Guard's 261st Signal Brigade is tasked to perform such combat missions, as well as domestic missions in support of homeland security, and the Phoenix Quad-Band Satellite Receiver will enable it to perform beyond line-of-sight communications at high data rates using commercial and military satellite constellations, classified and unclassified.

Easter Seals Delaware, Sussex County Expansion

Easter Seals Delaware & Maryland's Eastern Shore

61 Corporate Circle

New Castle, DE 19720

\$500,000 to finish 3,000 square feet of space in the Georgetown, DE facility. This will allow Easter Seals to serve more people with disabilities and expand education and outreach.

East Side Community Learning Center Foundation, Supplemental Education Programs

East Side Community Learning Center Foundation

3000 N. Claymont Street

Wilmington, DE 19806

\$125,000 for supplemental educational and enrichment programs for underserved children including a Prekindergarten program, academic tutoring, mentoring and counseling, after-school program, summer program, and Saturday school. These programs will improve these children's academic performance by providing educational, emotional and social supports not always available to students in their homes.

Elise R. Brown Family Life Center and Youth Project

Elise R. Brown Family Life Center, Inc.

2923 N. Tatnall Street

Wilmington DE 19801

\$200,000 to expand the summer program aimed at low-income and disadvantaged youth to close the academic achievement gap.

First Steps Primeros Pasos, Facility Construction for Bilingual Early Care and Education Program

First Steps Primeros Pasos

P.O. Box 1003

Georgetown, DE 19947

\$200,000 to support the construction and start-up costs for a bilingual early childhood care facility designed to help children of non-English speaking families develop the language and skills needed to be successful when they reach kindergarten. This will benefit Georgetown, Delaware and its growing Hispanic community. Upon opening, the center will serve 60 children.

Forum to Advance Minorities in Engineering (FAME, Inc.)

FAME, Inc.

100 W. 10th Street

Suite 409

Wilmington, DE 19801

\$250,000 to prepare minority students for college and encourage them to pursue careers in science, technology, engineering and mathematics.

Fraunhofer, Army Plant Vaccine Development Program

Fraunhofer USA Center for Molecular Biotechnology

9 Innovation Way

Suite 200

Newark, DE 19711

\$5,000,000 to create more effective and quickly manufacturable prophylactic and therapeutic vaccines for anthrax and plague using an innovative plant-based technology. A quick response to a potential bioterrorist attack requires the immediate availability of reagents for mass therapeutic treatment or for mass vaccination. Vaccines developed with the Plant Vaccine Development program created by Fraunhofer USA Center for Molecular Biotechnology can be produced much faster and far less expensively than current vaccines.

Grand Opera House, Deferred Maintenance

Grand Opera House

818 North Market Street

Wilmington, DE 19801

\$500,000 to improve theatre's energy efficiency, and repair and replace lighting, sound equipment, HVAC, and the leaking roof. The Opera House hosts 300 events and 120,000 visitors per year and is central to downtown Wilmington's economy.

ILC Dover, Joint Services Aircrew Mask Don/Doff Inflight Upgrade

ILC Dover LP

*One Moonwalker Road
Frederica, DE 19946-2080*

\$4,000,000 to allow flight crews to wear a Joint Services Aircrew Mask (JSAM) that can be put on and removed during flight. The current JSAM made by ILC Dover provides chemical and biological protection for aircrew in the form of a fully-sealed hood which fits over the wearer's head and is sealed at the neck. Unfortunately, the current hood cannot be removed during flight, thus producing a physiological, and to some extent, psychological burden when worn for extended periods. Providing a Don/Doff capability to military aircrews will greatly enhance the mission capability while minimizing performance degradation in chemical or biological contaminated scenarios.

INVISTA, Improved Thermal Resistant Nylon for Enhanced Durability & Thermal Protection in Combat Uniforms

*INVISTA S.a.r.l.
2801 Centerville Road
Wilmington, DE 19808*

\$3,300,000 to increase the safety and protection of soldiers' uniforms with improved flame resistant, durable, and lower cost materials for the Army combat uniforms, to meet the urgent need of the threat against Improvised Explosives Devices (IEDs). Fiber research has yielded promising results in creating an improved thermal resistant (ITR) nylon capable of protecting U.S. soldiers from the unique burn threats of IEDs and development of these nylon fabrics is projected to save the U.S. Army \$36-43 million per year in outfitting the deployed force.

Jewish Family Services of Delaware, Innovative Aging-in-Place Services Project

*Jewish Family Services
99 Passmore Road
Wilmington, DE 19803*

\$300,000 for Jewish Family Services of Delaware's Naturally Occurring Retirement Community (NORC) demonstration project. The project will provide health care assistance; case management and social services; and education, socialization and recreational activities to allow older adults the opportunity to age-in-place. It will also begin to build elder-friendly communities in New Castle County.

Jobs for Delaware Graduates, Expand Available Services

*Jobs for Delaware Graduates
381 W. North Street
Dover, DE 19904*

\$1,000,000 to expand the Jobs for Delaware Graduates program into middle schools and enroll 600 additional students throughout Delaware's middle and high schools. The program will teach students leadership and jobs skills to increase the likelihood of graduation for Delaware's most at-risk students.

Kappa Mainstream Leadership, Kappa Achievement Community Center

Kappa Mainstream Leadership, Inc.

P.O. Box 25388

Wilmington, DE 19899

\$1,430,000 to complete the community center building structure in Wilmington and provide equipment to help the disadvantaged community (annual income is 30 percent below poverty). After the structure is built, the center will implement youth mentoring programs, youth safe haven, basic computer training, and health care education programs. It is anticipated that in the first year, 2,000 low income individuals will be served.

Kelly Heinz-Grundner Brain Tumor Foundation, Medical Education Program

Kelly Heinz-Grundner Brain Tumor Foundation

300 Water Street, Suite 103

Wilmington, DE 19801

\$150,000 to design, develop, utilize and manage a web-based training program to educate medical professionals on the symptoms of a brain tumor. The project will increase medical professionals' awareness of important facts related to the disease and proper techniques for diagnosis.

Milford Food Bank, Expansion

Food Bank of Delaware

14 Garfield Way

Newark, DE 19713

\$1,867,061 to expand the Milford facility serving Kent and Sussex Counties. Expansion will include a full service kitchen to serve hot meals to those in need, a volunteer room for recruiting and meetings, a culinary school to provide job training for the unemployed, and more office space so that more jobs can be created.

Ministry of Caring, Josephine Bakhita House Renovation Project

Ministry of Caring
506 North Church Street
Wilmington, DE 19801

\$550,000 to renovate the Josephine Bakhita House to serve as residence for young adults committed to social responsibility and giving back to the community through one or two years of volunteer service of working within the Ministry of Caring's network of eighteen programs to serve the poor and the homeless. This project will provide job experience, promote volunteerism, and also assist the needy in Delaware.

Music School of Delaware, Sustaining a Sound Future

The Music School of Delaware
4101 Washington Street
Wilmington, DE 19802

\$333,500 to purchase musical instruments and other music-related equipment to help the school fulfill its mission to be the state's primary source of excellence in music education. These improvements will enable the school to attract highly qualified artist educators and offer more programming to a broader community including individual special needs.

Nanticoke Senior Center Building Campaign

Nanticoke Senior Center
301 N. Virginia Avenue
Seaford, DE 19973

\$750,000 to build a new facility dedicated to the needs of the growing senior population of Seaford. The new building will house exercise facilities as well as meeting spaces that will enrich the lives of senior citizens. The Center will strive to prolong the independence of seniors by improving patrons' quality of life while also reducing the cost to the individual, their families, and the state.

National Center for State Courts (NCSC)

*300 Newport Avenue
Williamsburg, Virginia 23185*

\$2,000,000 to fund the NCSC's *State Courts Improvements Initiative*, which will provide increased support services to judges, court administrators, and other court personnel to meet the challenges of interpreting and applying federal policy with regard to immigration, foreclosure, domestic violence, terrorism, healthcare, emergency preparedness, *habeas corpus*, and courthouse security. Delaware's state courts will benefit in all three areas of the Initiative – knowledge information services, educational and technical assistance, and nation court initiatives and research.

National Writing Project

University of California
2105 Bancroft Way #1042
Berkeley, CA 94720-1042

\$30 million to the National Writing Project supporting high quality professional development, continuing education, and research opportunities for teachers at all grade levels to be better teachers of writing, including the Delaware Reading Project, housed at the University of Delaware in Newark. This project, which has helped teachers all across the state of Delaware, provides students with reading and writing skills that will be increasingly important to their success in an increasingly knowledge-driven economy.

Nemours and A.I DuPont Hospital for Children, Expansion

Nemours/A. I. duPont Hospital for Children
1600 Rockland Road
P.O. Box 269
Wilmington, DE 19899

\$1,500,000 for capital improvements to upgrade and expand Delaware's world renowned and only children's hospital to strengthen its ability to continue providing outstanding patient care. Capital improvements will include the renovation and expansion of the Pediatric Intensive Care Unit, construction of a new patient bed tower with space for parents to stay, and construction of a new entrance.

Newark Day Nursery, Capital Campaign for Early Education/School Age Classroom/Center Renovations

Newark Day Nursery and Children's Center
921 Barksdale Road
Newark, DE 19711

\$50,000 to help low- and moderate-income families send their children to high quality child care and after school programming.

New Castle County Greenway

New Castle County
87 Reads Way
New Castle, DE 19720

\$2,000,000 to construct a 4.5 mile multi-use trail to provide residents important recreational opportunities and commuting access. The project will construct a pedestrian bridge across the Christina River to connect the head of the trail at Christina Landing to the City of Wilmington. Funding will also be used to create a wildlife refuge boardwalk to protect and enhance the local flora, fauna, and natural habitat.

New Castle County, Knollwood Interceptor Improvements

New Castle County

87 Reads Way

New Castle, DE 19720

\$500,000 to make capital improvements to Knollwood Interceptor sewer project in New Castle County. Funding will accelerate the schedule of this critical project to protect the environment and the public health of Delawareans from risks posed by this failing sanitary sewer interceptor.

New Castle County, Turkey Run Interceptor Improvements

New Castle County

87 Reads Way

New Castle, DE 19720

\$1,000,000 to make capital improvements to the Turkey Run Interceptor sewer. Funding will accelerate the schedule of this critical project to protect the environment and the public health of Delawareans from risks posed by this failing sanitary sewer interceptor.

New Castle Public Library, Expansion and Renovation

New Castle Public Library

424 Delaware Street

New Castle, DE 19720

\$500,000 to increase the size of the library from 8,000 square feet to 22,000 square feet, to improve accessibility and make room for expanding collections. Expansions will also house meeting rooms for teen and civic groups, more computer space, and children's reading rooms. This library serves low to middle income communities and aging populations.

NOAA Chesapeake Bay Office, Chesapeake Bay Interpretive Buoy System (requested by Friends of the John Smith Chesapeake Trail)

NOAA Chesapeake Bay Office

410 Severn Avenue

Annapolis, MD 21403

\$270,000 for use by NOAA to purchase, deploy, and operate a buoy and sensors on the Nanticoke River in Delaware, which is the largest Chesapeake Bay tributary on the Delmarva Peninsula, and is identified by NOAA as a priority location for the Chesapeake Bay Interpretive Buoy System (CBIBS). The purpose of this project is to provide real-time data and interpretation to further protect, restore, and manage the Chesapeake Bay.

Nutrient Water Quality Model for the Delaware Estuary and Bay

Delaware River Basin Commission

25 State Police Drive

Trenton, NJ 08628

\$250,000 to develop, calibrate, and utilize a nutrient model for the Delaware Estuary and Bay, in order to establish nutrient control for point and non-point sources. The outcome of this project will be improved water quality for the estuary which supports drinking water, industrial, recreational, and living resource uses for Delawareans.

**Piasecki, Vectored Thrust Ducted Propeller (VTDP) Compound Helicopter
Advanced Technology Flight Demonstration Program**

Piasecki Aircraft Corporation

2nd Street West

Essington, PA 19029

\$4,000,000 to conduct continued modifications and flight testing flight demonstrations at New Castle County Airport in Delaware on the X-49A Vectored Thrust Ducted Propeller (VTDP) Compound Helicopter technology's potential to increase rotorcraft speed, range, and survivability. This project is designed to meet the Army's need for helicopters with greater speed, range, survivability, reliability, and readiness, as the helicopter is one of the primary means of mobility for US combat troops, and is critical in sustaining combat and humanitarian operations over large areas, as well as rapidly recovering and treating combat casualties.

Port of Wilmington, Remediation and Reuse of Port Land

Port of Wilmington

1 Hausel Road

Wilmington, DE 19801

\$2,000,000 to remediate five acres of contaminated land at the Port of Wilmington, Delaware. This land would be backfilled and paved to expand the Port's cargo handling capacity by 15 percent, promoting greater trade and economic activity through the Port.

Port of Wilmington, Structural Remediation of Berths 5 and 6

Port of Wilmington

1 Hausel Road

Wilmington, DE 19801

\$1,000,000 to rehabilitate piles supporting berths to keep them safe and in use, allowing the Port to continue operating at full capacity.

Quantum Leap, Integrated Warfighter Biodefense Program (IWBP)

Quantum Leap Innovations, Inc.

3 Innovation Way, Suite 100

Newark, DE 19711

\$5,000,000 for Quantum Leap Innovations to apply their Integrated Warfighter Biodefense Program (IWBP) technologies to health issues affecting service personnel serving in and returning from Iraq and Afghanistan. Specifically, this request would utilize IWBP to address specific problems in studying the link between psychological health (PH) and traumatic brain injury (TBI). The unique capabilities developed under IWBP will enable medical personnel to explore this newly-emerged link and determine potential interventions that will maximize recovery and minimize future harm in returning service personnel who have suffered injuries in PH and TBI. Accelerating the unique capabilities provided by IWBP will address this newly defined concern for our military forces.

Riverfront Development Corporation of Delaware, Russell W. Peterson Urban Wildlife Refuge Trails System

Riverfront Development Corporation of Delaware

815 Justison Street

Wilmington, DE 19801

\$500,000 for the construction of a pedestrian bridge and boardwalk at the Russell W. Peterson Urban Wildlife Refuge. The purpose of this project is to provide access for recreation and public education. The marsh restoration was completed in 2005 and the Wildlife Education Center, to which the boardwalk would link, is nearing completion.

Rodel Foundation, Delaware Parent Leadership Institute

Rodel Foundation of Delaware

100 W. 10th Street

Suite 704

Wilmington DE 19801

\$125,000 to expand leadership training for parents of Delaware public school students to help them advocate effectively for their children's education and partner effectively with schools, districts, higher education institutions, and community-based organizations to improve academic achievement for all students.

Rodel Foundation, Delaware Teach For America

Rodel Foundation of Delaware

100 W. 10th Street

Suite 704

Wilmington, DE 19801

\$200,000 to support the placement of 20 Teach for America corps members in the highest-need schools in Wilmington, Delaware. Funding will support the training and professional development of corps members, who will work to narrow the achievement gap between Delaware's highest-need students and their peers.

State of Delaware, Delmarva Conservation Corridor Demonstration Project /Chesapeake Bay Program for Sediment Control

Delaware Department of Agriculture

Tatnall Building

William Penn Street, Dover, DE, 19901

\$250,000 to implement specific components of the DCCDP in Delaware, to improve the economic viability of agriculture and the environmental health of Delaware's watersheds.

State of Delaware, Fixed Route Transit Buses

Delaware Department of Transportation

800 Bay Road

P.O. Box 778

Dover, DE 19903

\$2,000,000 to replace fixed route transit coaches which were purchased in 1996. This is part of a comprehensive bus replacement schedule to ensure safe and efficient transportation equipment is used for fixed route services. The project will enable the Delaware Transit Corporation to continue to provide a high level of service to Delaware residents. DTC provides 10 million passenger trips annually with 14.9 million service miles and serves all three counties.

State of Delaware, Green Horizons - Redden Forest

Delaware Forest Service

Delaware Department of Agriculture

2320 South DuPont Highway

Dover, DE 19901

\$4,000,000 to acquire an additional 876 acres of private forestland as an addition to the Redden State Forest, the largest public forest in Delaware. Located in Sussex County, one of the fastest growing areas on the Atlantic Coast, this project will protect the forest from development, preserve open space, and complete the largest forest protection initiative in Delaware history.

State of Delaware, Indian River Inlet Bridge

Delaware Department of Transportation

800 Bay Road, P.O. Box 778

Dover, DE 19903

\$3,000,000 for the construction of a new bridge along State Route 1 over the Indian River Inlet. The replacement bridge will alleviate the safety risk caused by the present scour conditions at the foundations. The new structure will completely span the inlet with all foundation members constructed on dry land. The proposed alignment will be west of the existing bridge at a critical evacuation route in the event of natural disasters that is also an economically significant tourist highway.

State of Delaware, Poultry and Animal Health Laboratory

Delaware Department of Agriculture

Tatnall Building

William Penn Street

Dover, DE, 19901

\$2,000,000 to fully equip and modernize the lab in order to protect Delaware's animal industries (including food animals and poultry, horse-racing industry, and companion animals) against disease and therefore the public health of Delawareans.

State of Delaware, Secure Facilities Security Systems

Delaware Department of Services for Children, Youth, and Their Families

State of Delaware

Tatnall Building

William Penn Street

Dover, DE, 19901

\$1,512,000 to replace failing and outdated proprietary security access devices with modern and interconnected cameras, intercoms and secure card-access doors in three youth secure facilities. This project will ensure the long time security of these facilities and, by replacing the three systems at once, will achieve significant cost-savings.

State of Delaware, Turnpike Improvement Project

Delaware Department of Transportation

800 Bay Road, P.O. Box 778

Dover, DE 19903

\$11,200,000 to improve the safety and efficiency of two major routes along the Northeast Corridor. It consists of three phases designed to improve the movement and safety of interstate, regional, and local traffic through this heavily traveled intersection. The three phases include: a redesign of the I-95/SR-1 interchange, adding a fifth lane to I-95, and reconfiguring the I-95 toll plaza in Newark, DE, to incorporate Highway Speed E-Z Pass toll lanes. This project anticipates reducing traffic congestion and improving overall safety.

State of Delaware, Vision 2015 Network

Department of Education
401 Federal Street, Suite 2
Dover, DE 19901

\$250,000 for the training, mentoring, and coaching of superintendents, principals, and other leaders within the Vision 2015 Network to sharpen their focus on data and realign their time and resources to improve student achievement.

State of Delaware, Wilmington to Newark Commuter Rail Improvement Program

Delaware Department of Transportation
800 Bay Road, P.O. Box 778
Dover, DE 19903

\$12,000,000 to install a third commuter rail track along the Northeast Corridor, to build a new Newark Rail Station, and to purchase four commuter rail cars. This program expands capacity to permit expansion of commuter rail services and increases reliability of intercity and commuter rail services. It will also assist in significantly reducing traffic congestion along the Corridor.

St. Francis Hospital Foundation, Capital Infrastructure improvements

St. Francis Hospital Foundation
701 North Clayton Street
Wilmington, DE 19805

\$500,000 to make urgently needed capital infrastructure improvements to St. Francis Hospital. Improvements for HVAC systems, heat pumps, water lines, doors, wall penetrations, new roofs and windows will help stabilize St. Francis' infrastructure and allow it to continue its mission of providing quality health care to everyone, regardless of their ability to pay.

Sussex County Council, Johnson's Corner Sanitary Sewer District Project

Sussex County Council
2 The Circle
Georgetown, DE 19947

\$1,000,000 to construct wastewater collection and transmission facilities to serve the Johnson's Corner Sanitary Sewer District, located near the Assawoman Bay in Sussex County. The purpose of the project is to eliminate failing septic systems and extend wastewater service to over 400 residences and reduce harmful nutrients from entering the Bay.

Textronics, Garment-Based Physiological Monitoring Systems

Textronics, Inc.

3825 Lancaster Pike

Suite 201

Wilmington, DE 19805

\$2,400,000 to provide continued R&D funding for a new generation of wearable physiological monitoring garments that will afford comfortable, accurate and real-time remote monitoring of a soldier's heart rate, respiration, activity and other physiological parameters. The Army has requested such real-time physiological monitoring, which offers the capability to promptly detect and classify combat injuries and/or health problems. This type of monitoring will allow military personnel to get treatment in the early stages of fatigue or injury, before they lead to chronic or acute problems which could possibly force a person out of military service.

University of Delaware, Advanced Composite Maritime Manufacturing

University of Delaware

Hullihen Hall

Newark, DE 19716

\$3,000,000 to spur the development of next-generation composite technologies to support advanced watercraft that will be faster, stronger, have longer service life, stealthier, up-armor capable, field repairable and cheaper to operate. Composites do not corrode and require less maintenance, and their light weight allows for higher speeds and greater maneuvering. Developing this technology will keep Navy, SOCOM (Special Operations Command), and Coast Guard craft at the forefront of technology, and help ensure superiority of the US military in the water over current and future adversaries.

University of Delaware, Avian Bioscience

University of Delaware

Hullihen Hall

Newark, DE 19716

\$500,000 to upgrade Delaware's existing diagnostic facility, the Lasher Lab in Georgetown, DE. Delmarva is the nation's leader in the research, development, and implementation of successful avian influenza (AI) surveillance and response plans to protect poultry and human health. The University of Delaware, through its College of Agriculture and Natural Resources, is central to Delmarva's preparedness for AI.

University of Delaware, Cardiovascular Research Center

University of Delaware

Hullihen Hall

Newark, DE 19716

\$500,000 for research equipment to dramatically expand the scope of cardiovascular biology research in the state and speed the translation of laboratory research into clinical care for Delawareans.

University of Delaware, Composite Applied Research and Technology for Tactical Vehicle Survivability

University of Delaware

Hullihen Hall

Newark, DE 19716

\$4,500,000 to support applied research at the University of Delaware to allow the Army's Composites Applied Research and Technology Center to successfully insert more durable, modular, lighter, and protective composite armor and structures into its tactical vehicle fleets more quickly and affordably. Current combat and tactical vehicles use steel and aluminum for structure and armor, which limits tactical mobility because of their weight, and wears out vehicles before their normal service life ends. Capitalizing on technology advances and facilitating the quick transition of new and better composite armor and material technologies into Army tactical vehicles helps meet the critical needs of the US Army to protect our soldiers and provide them with the best equipment to carry out their missions in Iraq and Afghanistan.

University of Delaware, Cybersecurity in Tactical Environments

University of Delaware

Hullihen Hall

Newark, DE 19716

\$1,270,000 to develop methods to detect vulnerabilities and intrusions in the U.S. Army's battlefield networks. The U.S. Army uses mobile computer networks for soldiers to communicate with each other and to operate advanced networked devices such as Unmanned Aerial Vehicles, robots, sensors, and weapons systems. The security and availability of this network is critical to combat operations and gaining the ability to discover vulnerabilities in Army battlefield networks is essential in safeguarding military intelligence, communication systems and protecting our troops on the ground.

University of Delaware, Delaware Biotechnology Institute

University of Delaware

107 Hullihen Hall

Newark, DE 19716

\$1,000,000 to support life science research infrastructure at the Delaware Biotechnology Institute (DBI), including investments in facilities, equipment, and human capital. This project will strengthen Delaware's biomedical research capabilities, provide educational opportunities, create jobs and substantially improve the range of available treatments for Alzheimer's disease, cancer and cardiovascular disease. This project will also build upon existing scientific research and contribute to the next generation of treatments for diseases impacting our society.

University of Delaware, Delaware Small Business and Technology Development Center

University of Delaware

Hullihen Hall

Newark, DE 19716

\$280,716 to expand the operations and capabilities of the Center to further help small and local businesses, particularly in science and technology-based business development. This project will spur economic development in Delaware.

University of Delaware, Energy Institute

University of Delaware

Hullihen Hall

Newark, DE 19716

\$1,500,000 for the installation of capital equipment, as well as for scholarships and outreach, for Institute aimed at advancing development and deployment of new and emerging energy technologies.

University of Delaware, Fuel Cell Hybrid Bus Program

University of Delaware

Hullihen Hall

Newark, DE 19716

\$1,000,000 for a program to research, build, and demonstrate fuel cell hybrid buses on the UD campus and in the state of Delaware. The objective is for the project's efficient and uniquely low-cost design of fuel cell transit buses to spur commercialization of this technology, thereby helping reduce our nation's dependence on foreign oil and greenhouse gases emissions.

University of Delaware Lewes Campus, Wind Turbine Infrastructure for Green Energy and Research on Wind Power in Delaware, Lewes, DE

University of Delaware

Hullihen Hall

Newark, DE 19716

\$3,658,000 for the construction of onshore wind turbine at satellite campus to facilitate R&D and policy behind offshore wind technology. Nation's first offshore wind plant is in opening construction phase nearby. This project will allow researchers to collaborate with offshore wind project to improve learning and efficiency.

University of Delaware, Millimeter Wave Imaging

University of Delaware

Hullihen Hall

Newark, DE 19716

\$1,900,000 to augment and accelerate the development of small, inexpensive millimeter wave (mmW) imaging systems for brownout conditions as they relate to helicopter operations in Iraq and Afghanistan. Traditional imaging systems suffer from poor performance in harsh environments such as fog, mist, blowing sand, smoke, and dust, and are incapable of seeing through obscurants such as clothing, luggage, packaging, and walls. Images utilizing millimeter waves (mmW) are able to penetrate deeper into these obscurants and in some cases propagate completely through them. Creating a stable, light-weight imaging system that is impervious to weather conditions will help the military gain considerable tactical advantages and enhanced safety.

University of Delaware, Persistent Surveillance Using Unmanned Millimeter Wave Imaging Platforms

University of Delaware

Hullihen Hall

Newark, DE 19716

\$1,600,000 to accelerate the development of a millimeter-wave (mmW) imaging system mounted on an unmanned aerial vehicle (UAV) platform for persistent surveillance and reconnaissance. A mmW imaging system—which can penetrate clouds, smoke, dust, blowing sand and other obscurants—is light, small, and low-power and ideally suited for mounting on an unmanned aerial vehicle (UAV) platform. Military operations will be augmented with the development of this technology, as it will allow for the ability to gather immediate and persistent awareness of enemy movement as well as counter IED protection.

University of Delaware, Radio Frequency Propagation in Urban Environments

University of Delaware

Hullihen Hall

Newark, DE 19716

\$200,000 to better understand how radio signals coming from a building in a complex radio environment can be interpreted to further the Army's ability to "see" into buildings to determine what types of electrical equipment are inside. Developing this technology can help soldiers discern the difference between a simple residence and a bomb factory, for example, giving ground troops greater ability to detect and locate enemy forces and reduce the potential for collateral damage. This type of research is essential for force protection, as any information we can give a soldier entering a building about that building's occupants and contents, the greater chance of reducing possible harm to that soldier.

University of Delaware, Smart Sensor Dust

University of Delaware

Hullihen Hall

Newark, DE 19716

\$1,300,000 to develop a nano-photonic sensor technology, or “smart sensor dust”, capable of detecting airborne chemical and biological threat contaminants in a safe, effective and inexpensive manner. Current technologies for monitoring airborne chemical or biological agents involve the use of expensive, cumbersome electronic sensors and communication equipment. The proposed system relies on relatively inexpensive passive “sensor dust” that is very light and can be cheaply deployed, fulfilling a critical need for both military and homeland security.

University of Delaware, Survey Analysis of Pathways of Juvenile Violence and Substance Use

University of Delaware

Hullihen Hall

Newark, DE 19716

\$66,974 to conduct and analyze surveys of juvenile substance abuse, violence and delinquency. By identifying patterns and trends, these studies will allow policy makers to more efficiently address the problems facing today’s youth.

University of Delaware, Weinberg Center Initiative on the Identification and Prevention of Corporate Fraud

University of Delaware

Hullihen Hall

Newark, DE 19716

\$500,000 to sponsor research to develop methods to identify and prevent novel fraudulent practices. By educating responsible actors, the Weinberg Center will help combat corporate fraud throughout the United States.

Urban League, Achievement Matters! Campaign

Metropolitan Wilmington Urban League

100 W. 10th Street

Suite 710

Wilmington DE 19801

\$300,000 to expand the Achievement Matters! Program, which provides community and school-based interventions for low-income and minority students in one of Wilmington’s most underserved neighborhoods.

U.S. Army Corps of Engineers, C & D Canal Trail Improvements

U.S. Army Corps of Engineers

Wanamaker Building, 100 Penn Square East

Philadelphia, PA 19107

\$1,000,000 to transform over 13 miles of existing service road on the north-side of the Chesapeake and Delaware Canal into a multi-purpose recreation trail. Creating a multi-purpose recreation trail on the existing service road would ensure a safer area for the residents of Delaware City (one of the fastest growing areas in the state of Delaware), Chesapeake City, and everywhere in between, to continue to enjoy the Canal.

U.S. Fish and Wildlife Service, Prime Hook National Wildlife Refuge Land Acquisition:

U.S. Fish and Wildlife Service

Northeast – Region 5

300 Westgate Center Drive

Hadley, MA 01035-9589

Support the President's FY2010 Budget request of \$1,000,000 from the U.S. Fish and Wildlife Service's Land Acquisition, to acquire a 108-acre tract adjacent to the Prime Hook National Wildlife Refuge in Milton, Delaware. This project would protect a mix of wetlands and upland habitats and provide excellent endangered Delmarva fox squirrel habitat. The tract also provides important access for the Refuge for both recreation and management uses into an area of the Refuge that currently lacks access.

Water Extension to Innovation Park

City of Milford

201 South Walnut Street

Milford, DE 19963

\$500,000 to extend the water line to Innovation Park, an Institutional Zoning District, designed to offer land for the construction of medical, educational, rehabilitation, and nursing home facilities. This project will both create construction jobs for Delawareans and also, upon completion, will provide a variety of services to nearby residents.

Wesley College, Nursing School

Wesley College

120 North State Street

Dover, DE 19901

\$1,500,000 to construct a new nursing facility or to renovate an existing building, including upgrades to laboratories and equipment to enhance classroom instruction. This project will enable Wesley College to increase the number of qualified nursing graduates to address the national, regional and statewide shortage of nurses.

Widener University, Center on Victim Education, Advocacy, and Research

Widener University

1 University Place

Chester, DE 19013

\$743,000 to establish a center (COVEAR) to offer a full range of counseling and advocacy services for victims of domestic violence. COVEAR will also be a nationwide resource for victim's advocacy through the sponsorship of research, scholarship, symposia, and a domestic violence library.

Wilmington Police Department, Police Weapons Range Improvements

Wilmington Department of Police

300 N. Walnut Street

Wilmington, DE 19801

\$2,800,000 for mandated safety and environmental improvements to the weapons range of the Wilmington Department of Police. The range is funded by the Department of Police, on land leased from the Delaware Army National Guard. It is used by, and compliance with safety and environmental requirements will enable its continued use by 15 state and local law enforcement agencies and 10 federal law enforcement agencies.

WL Gore, Special Operations Forces (SOF) Modular Glove System

WL Gore & Associates

555 Paper Mill Rd.

Newark, DE 19711

\$5,000,000 to accelerate the development of a five-piece Modular Glove System for Special Operations Forces (SOF) that provides the warfighter the necessary protection across a wide range of climactic conditions. Developed to be compatible with the SOF's Protective Combat Uniform designed for frigid conditions, this SOF Modular Glove System provides cold weather protection to -50 degrees as well as provides waterproof protection in wet conditions. The requested funding will enhance the readiness of SOF forces by providing them the Modular Glove System sooner than currently planned, thereby contributing to their effectiveness in the field.

World Trade Center Institute, Export Assistance Webinar Series for Business Education

World Trade Center Institute of Delaware

702 West Street

Wilmington, DE 19801

\$75,000 to enable the Institute to create live web-streaming and offline webinars of its international business seminars, making the seminars accessible remotely to small businesses for which it would be difficult to attend in person. These webinars will help participants expand business opportunities overseas, reducing our nation's trade deficit and boosting our economy.

Adam Walsh Child Protection and Safety Programs

Big Brothers / Big Sisters

230 North 13th Street

Philadelphia, PA 19107

Police Athletic Leagues

658 West Indiantown Road, Suite 201

Jupiter, FL 33458

Rape, Abuse & Incest National Network (RAINN)

2000 L Street, N.W., Suite 406

Washington, DC 20036

Funding for programs contained in the Adam Walsh Child Protection and Safety Act, including the Big Brothers/Big Sisters youth mentoring program; Police Athletic Leagues pilot program for the electronic monitoring of sex offenders; and the Rape Abuse, and Incest National Network (RAINN). These initiatives would provide critical support for and protection of children in Delaware and throughout the country. These funding requests were made jointly by 26 Senators and did not include specific dollar amounts.