

**Requests submitted to the Senate Armed Services Committee
for the FY2011 National Defense Authorization Act**

**The following military installation projects have been requested
by the New Jersey Department of Military and Veterans Affairs**

Project Title: Fuel Cell Maintenance Dock and Corrosion Control Hanger
Installation: 177th Fighter Wing, Atlantic City International Airport, NJ
Amount: \$8,500,000

Project Description: The Fuel Cell Maintenance Dock and Corrosion Control Hanger are essential buildings for the execution of flying missions at the 177th Fighter Wing (FW). The 177th FW requires adequately sized, strategically located, and properly configured facilities to perform environmentally safe fuel cell maintenance and corrosion control in accordance with OSHA and AFOSH. The Fuel Cell Maintenance Dock provides covered, protected areas for fuel systems maintenance. The Corrosion Control Hangar provides an environmentally controlled area to maintain aircraft as well as hangar space for corrosion treatment and repair.

Project Title: USPFO Building
Installation: Joint Base-Fort Dix, NJ
Amount: \$3,490,000

Project Description: This project is to consolidate several antiquated and scattered buildings with one permanent state-of-the-art US Property and Fiscal Office (USPFO) to serve the peace time and wartime missions of the NJ Army National Guard (NJ ARNG). Since its original construction in 1971, the USPFO and its supporting warehouse operation were separated when administrative activities moved to Fort Dix and the warehouse operation remained in Lawrenceville, NJ. The warehouse activity in Lawrenceville will not be adequate for shipping activities according to NG PAM 415-12. The USPFO and Deputy Chiefs of Staff for Logistics are currently split with a 25 mile distance between locations. Response to State Emergencies and Federal Mobilizations is severely hindered logistically.

Project Title: Munitions Storage
Installation: Joint Base-McGuire, NJ
Amount: \$8,300,000

Project Description: The Munitions Storage project replaces bunkers built in 1958 with state-of-the-art storage for all classes of conventional munitions conforming to the most current explosive safety and resource protection standards. The current MSA is in poor condition and no major retro-fit or renovation has been accomplished in 49 years. Bunker doors, alarm systems, security systems, lighting systems and bunker roofs have deteriorated to the point where they jeopardize the safe occupancy and operation of the facilities and personnel working there.

Project Title: Electrical Distribution System – Phase II
Installation: Joint Base-Fort Dix, NJ
Amount: \$7,600,000

Project Description: This project would enable the antiquated aerial system at Fort Dix to be placed underground, as the electrical wires on other sections of the Joint Base are all underground. This antiquated system causes numerous power difficulties throughout the year. Both McGuire AFB and Lakehurst NAES have the underground state-of-the-art systems necessary to support today's missions. In response to major concerns of the Department of Defense that its installations survive and function

during a disruption in power from the national grid, the Joint Base has been making such improvements to the entire electrical distribution system.

Project Title: Aircraft Carrier Integrated Test (ACAIT) Center

Installation: Joint Base-Lakehurst, NJ

Amount: \$12,650,000

Project Description: The ACAIT Center will consolidate all aircraft recovery and launch systems into a single research, development, testing and evaluation facility, which will support all aspects of aircraft launch and recovery, shipboard integration testing and fleet in-service support testing conducted at NAVAIR Lakehurst. This facility will significantly improve the ability of NAVAIR Lakehurst to perform future aircraft launch and recovery testing and shipboard integration of vital shipboard aircraft launch and recovery systems for the Navy.

Project Title: Emergency Services Center-Phase II

Installation: Picatinny Arsenal, NJ

Amount: \$9,300,000

Project Description: The Emergency Services Center (ESC) Police Station will consolidate all emergency services and force protection operations into a single 21st Century state-of-the-art facility. The current Police Station is located in B173 which suffers from problems with flooding, ventilation, and mold. The current building is inadequate for providing essential services and it does not meet handicap requirements. This project will provide state of the art communications and dispatching capabilities to the installation enabling improved emergency response. This is a one-phase project that can be constructed in one fiscal year with one congressional add.

Project Title: Commercial Gate Security Improvements

Installation: Joint Base-Lakehurst, NJ

Amount: \$7,100,000

Project Description: This project will upgrade the Commercial Gate into a fully functional Entry Control Point compliant with Unified Design Guidance for Entry Control Facilities and Department of Defense Counter Terrorism (CT) standards and better protect it against terrorist threats.

Project Title: CERDEC Flight Activity Facility

Installation: Joint Base-Lakehurst, NJ

Amount: \$35,000,000

Project Description: CERDEC Flight Activity requires a rotary, fixed wing, and unmanned aerial vehicle (UAV) aircraft hangar; aircraft pavements; workshops; storage; administrative space and a SCIF to conduct their research, development, test, and evaluation mission. This project will relocate the CERDEC Flight Activity Facility, an element of Fort Monmouth slated to remain in NJ, from WWII era Hanger 5 to a new state-of-the-art facility. If this project is not provided, within 5 years CERDEC Flight Activity (CFA) and its missions will no longer be performed in its current "deteriorating" hangar and probably leave the State of New Jersey. The CFA will be forced to close and will no longer be able to support the war-fighter in CISR R&D testing and modification of airborne platforms.

Project Title: Base Ops/Command Post Facility

Installation: Joint Base-McGuire, NJ

Amount: Support President's Budget Request of \$8,000,000

Project Description: This project is for an integrated facility for all Command and key Administrative Functions.

Project Title: Dormitory

Installation: Joint Base-McGuire, NJ

Amount: Support President's Budget of \$18,000,000

Project Description: This project is for a dormitory for unaccompanied enlisted personnel, conducive to successful accomplishment of the increasingly complicated demand of today's airmen.

Project Title: Automated Multipurpose Machine Gun (MPMG) Range

Installation: Joint Base-Fort Dix, NJ

Amount: \$8,919,000

Project Description: This project will provide a 10-lane Multipurpose Machine Gun Transition Range for support of the M2 Machine Gun and M249 Squad Automatic Weapon (SAW). It will provide training for the Reserve Component and National Guard soldiers on the skills necessary to detect, identify, engage and defeat stationary and moving infantry targets in a tactical array. The resulting range will satisfy the training and qualification requirements of light and heavy machine guns. Combat and combat support units require training proficiency in machine gun weapon systems, fully preparing them for combat.

Project Title: 1 MW KW Solar Canopy - Consolidated Logistics Training Facility

Installation: Joint Base-Lakehurst, NJ

Amount: \$ 10,306,000

Project Description: This project will install a 1 MWstc Solar Canopy at the Consolidated Logistics Training Facility (CLTF) Joint Base-Lakehurst to produce renewable energy. The system will consist of a ground array on approximately 2 acres. This 1 MWstc system will generate an estimated 886,600 KWH per year. When operating to full capacity, this system will reduce the facility power demanded by up to 75%. The photovoltaic modules producing the power will be manufactured in the USA and UL-Listed. The photovoltaic mounting systems provide a tilt to the PV modules in order to provide greater annual power output.

Project Title: 500 KW Solar Photovoltaic - Roof Top - Joint Force HQ

Installation: Joint Base-Fort Dix, NJ

Amount: \$ 5,496,000

Project Description: This project will install a 500 KWstc roof mounted photovoltaic solar power system at Joint Force Headquarters-Fort Dix that will produce renewable energy. It is projected to generate 500,000 KWH during the first year using three-decade weather data from the US Department of Energy and simulation models developed by Sandia National Lab. The photovoltaic modules producing the power will be manufactured in the USA and UL-listed. The photovoltaic roofing system provides savings from clean energy, roof membrane protection and reduced building HVAC loads.

Project Title: 500 KW Solar Photovoltaic System - Building 129

Installation: Joint Base-Lakehurst, NJ

Amount: \$ 5,408,000

Project Description: This project provides the installation of a 500 KWstc photovoltaic solar power system roof mounted panel on Building 129 to produce renewable energy. The system will consist of a roof mounted system on a new roof membrane. This 500 KWstc system will generate an estimated 430,000 KWH per year. When operating to a full capacity, this system will reduce the Unit Armory facility power demanded by up to 75%. The photovoltaic modules producing the power will be

manufactured in the USA and UL-Listed. The photovoltaic mounting systems provides a fixed position to reduce the overall cost and maintenance related requirements.

Project Title: 170 KW Solar Photovoltaic System - ARNG Facility Maintenance Shop (FMS)

Installation: Picatinny Arsenal, NJ

Amount: \$ 2,200,000

Project Description: This project will install a 170 KW Photovoltaic Solar Power system roof mounted panel on the NG FMS to produce renewable energy. The 170 KWP system is projected to generate 180,000 KWH during the first year using three-decade weather data from the US Department of Energy and simulation models developed by Sandia National Lab. The photovoltaic modules producing the power will be manufactured in the USA and UL-listed. The photovoltaic roofing system provides savings from clean energy, roof membrane protection and reduced building HVAC loads. This solar electric system has a projected first-year cost savings of \$33,000 for this location.

Project Title: Wind Turbine

Installation: Army National Guard Training Center, Sea Girt, NJ

Amount: Support President's Budget Request of \$5,100,000

Project Description: This project provides funding for a 1.5 MW Wind Turbine at the NJ National Guard Training Center Sea, Girt. Construction of the turbine is a significant opportunity for the State and the NJDMAVA, as the turbine has the ability to generate a substantial amount of electricity. It would be equivalent to powering 25,000 residential homes and possibly remove the facility from the electric grid.

Project Title: Photovoltaic Generation System

Installation: 177th Fighter Wing, Atlantic City International Airport

Amount: Support President's Budget of \$3,700,000

Project Description: This project provides funding for a 500 KW Photovoltaic Solar Power system roof at the 177th Fighter Wing. The installation currently uses a significant quantity of electricity, approximately 210 MW per month. In order to meet energy reduction goals and become and remain compliant with the Energy Policy Act and Executive Order, energy reduction projects such as this are necessary. Use of photovoltaic technology is a practical and cost effective means of reducing electrical consumption. This project will supply approximately 25% of the base's electricity requirement annually.

Project Title: 500 KW Solar Photovoltaic Roof Top - 108th Air Wing

Installation: Joint Base-McGuire, NJ

Amount: \$ 5,771,000

Project Description: This project will install a 500 KW Photovoltaic Solar Power roof mounted system on the 108th Wing Ops building to produce renewable energy. This 500 KWP system is projected to generate 500,000 KWH during the first year using three-decade weather data from the US Department of Energy and simulation models developed by Sandia National Lab. The photovoltaic modules producing the power will be manufactured in the USA and UL-Listed. The photovoltaic raised carport system & roofing system incorporates state of the art high efficiency photovoltaic modules mounted to industry standard modular roofing tiles that provide savings from clean energy, roof membrane protection and reduced building HVAC loads. The integrated system is lightweight and requires no roof penetrations.

Project Title: Parking Apron/Taxiway Project

Installation: Joint Base-Fort Dix, NJ

Amount: \$ 7,500,000

Project Description: This project provides \$7.5M for completion of the Parking Apron portion of the Parking Apron/Taxiway MILCON project at Fort Dix, New Jersey to synergize the primary missions of the Army and Air Force by allowing McGuire AFB to effectively and efficiently conduct strategic lift operations in direct support of Fort Dix's deployment and mobilization mission from the Arrival/Departure Airfield Control Group (A/DACG) facility. Failure to complete the project will continue to produce inefficient results for both the Army and Air Force missions through additional transportation requirements and time consuming efforts associated with relocating personnel and equipment to a distant area for inspection, staging, and onward movement.

Report Language Request:

Bill Language:

"Of the funds authorized for Military Construction Air Force, \$7,500,000 is for project number PN CAR 08-12249 to complete the Parking Apron portion of the Parking Apron/Taxiway MILCON project at Joint Base McGuire Dix Lakehurst, New Jersey."

Report Language:

Parking Apron, Joint Base McGuire Dix Lakehurst, NJ -- The Committee recognizes the continued importance of Joint Base McGuire Dix Lakehurst to the Army Strategic Mobility Program (ASMP) for air deployment and has authorized funding for project, PN CAR 08-12249, to complete the parking apron portion of the FY 2003 Parking Apron/Taxiway MILCON project funded in FY 2003. The initial project was unable to be completed within the allotted funding due to unforeseen contract cost escalations and regulatory delays related to environmental permits. The Committee believes that completion of the parking apron will effectively enhance critical missions by providing ready access to adjacent facilities, including the indoor pallet building and staging facilities, and will eliminate inclement weather effects to cargo during ground transport and staging and will minimize ground transportation requirements and enhance time utilization."