

## Fiscal Year 2011: Armed Services Committee

Requests made to the House Armed Services Committee for consideration in the National Defense Authorization Act for Fiscal Year 2011 (NDAA).

Proposed Recipient: Dewey Electronics Corporation

Address: 27 Muller Road Oakland, New Jersey 07436

Project Title: Stryker Modernization (S-Mod) Power Generation & Management Rapid Prototyping Initiate

Amount Requested: \$2,200,000

Justification: The Army's Stryker combat vehicle has insufficient electrical power to operate all systems and sensors, and demand for power will only increase in the future. Funds will go toward the development of a 30kW electrical power generation system that is highly reliable, flexible, and scalable and can be driven off hydraulic power from the Stryker's main vehicle engine.

Proposed Recipient: Ensign-Bickford Aerospace and Defense

Address: 640 Hopmeadow Street, Simsbury, CT 06070

Project Title: AT4-Confined Space (CS) Tandem Warhead (TW) YJ05 Variant

Amount Requested: \$4,250,000

Justification: Funds will help scientists at Picatinny Arsenal to develop specialty munitions for use in urban environments (YJ05 variant) for the AT4-CS, which is the primary disposable shoulder fired anti-armor weapon used by the U.S. Army.

Proposed Recipient: L-3 Communications - Space and Navigation Division

Address: 450 Clark Drive, Budd Lake, NJ 07828

Project Title: Man Portable IMU for Precision Targeting Applications

Amount Requested: \$2,000,000

Justification: Funds will help scientists at Picatinny Arsenal to continue to develop precision artillery shells. Greater accuracy will save money and lives.

Proposed Recipient: LGS Innovations

Address: 15 Vreeland Road, Florham Park NJ 07932

Project: Planar Lightwave Circuit (PLC) Development for High Power Military Laser

Amount Requested: \$3,800,000

Justification: These high-powered lasers will directly benefit our armed forces with superior defenses against multiple threats.

Proposed Recipient: LGS Innovations

Address: 15 Vreeland Road, Florham Park NJ 07932

Project Title: Secure, Miniaturized, Hybrid, Free Space, Optical Communications

Amount Requested: \$6,000,000

Justification: These advanced optical communications devices will make our troops safer in the field of battle by increasing situational awareness and pre-operations intelligence.

Proposed Recipient: Polymer Processing Institute

Address: GITC Building, Suite 3901, New Jersey Institute of Technology

Project Title: Advanced Foamed Celluloid Technology

Amount Requested: \$3,000,000

Justification: Funds will help to develop a new class of high performance combustible material for munitions, offering war fighters a weight-reducing and cost-saving alternative for a wide range of military applications.

Proposed Recipient: Raytheon Corporation

Address: 1100 Wilson Blvd, Arlington, VA 22209-2270

Project Title: SAL Mortar Maturation

Amount Requested: \$4,900,000

Justification: Laser and GPS guided precision mortar rounds are an important tool for our troops fighting in densely populated urban settings. These mortars will be more accurate and more efficient than our current weapons. Funds will help to expedite delivery of guided mortar rounds to forces in Afghanistan.

Proposed Recipient: Raytheon Corporation

Address: 1100 Wilson Blvd, Arlington, VA 22209-2270

Project Title: Solid State W Band Development: Non-Lethal Systems

Amount Requested: \$2,500,000

Justification: The solid state W-band system is a non-lethal laser that will provide U.S. mobile ground forces engaged in stability operations in Iraq and Afghanistan with the ability to maintain order and protect our forces without causing destabilizing collateral casualties.

Proposed Recipient: Sarnoff Corporation

Address: 201 Washington Road, Princeton, NJ 08540-6449

Project Title: Standard Ground Station - Enhancement Program

Amount Requested: \$4,500,000

Justification: This mapping and targeting system will provide immediate situational awareness to our troops in harm's way.