

lower-limb prosthetic technologies. The objective of this project is to further develop an energy harvesting device as a component in a lower extremity prosthetic limb.

Member: Congressman JOHN E. PETERSON
Bill Number: H. Res. 1488 (H.R. 2638)

Provision: RDTE, A, Line# 147, PE# 605805A

Legal Name of Requesting Entity: NanoBlox, Inc.

Address of Requesting Entity: 101 Technology Center, State College, PA 16802

Description of Project: This project provides \$1.6 million for FY09 in the DoD RDTE account for domestic production of nanodiamond for military operations. The entity to receive funding for this project is NanoBlox, Inc., 101 Technology Center, State College, PA 16802.

It is my understanding that the funding will be used to create a secure, domestic supply of commercial nanodiamond. This nanodiamond supply will contribute to military and civilian application and development.

EARMARK DECLARATION

HON. JOHN M. SPRATT, JR.

OF SOUTH CAROLINA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. SPRATT. Madam Speaker, under section 220 of S. Con. Res. 70, the Concurrent Resolution on the Budget for fiscal year 2009, I hereby submit for printing in the CONGRES-

BUDGET AGGREGATES

(On-budget amounts, in millions of dollars)

	Fiscal year 2008 ¹	Fiscal year 2009 ^{1, 2}	Fiscal years 2009–2013
Current Aggregates:			
Budget Authority	2,456,198	2,462,544	n.a.
Outlays	2,437,784	2,497,322	n.a.
Revenues	1,875,401	2,029,653	11,780,263
Change for consideration of The Alternative Minimum Tax Relief Act (H.R. 7005) and The Disaster Tax Relief Act (H.R. 7006):			
Budget Authority	0	0	n.a.
Outlays	0	0	n.a.
Revenues	0	0	340,570
Revised Aggregates:			
Budget Authority	2,456,198	2,462,544	n.a.
Outlays	2,437,784	2,497,322	n.a.
Revenues	1,875,401	2,029,653	12,120,833

n.a. = Not applicable because annual appropriations Acts for fiscal years 2010 through 2013 will not be considered until future sessions of Congress.

¹ Current aggregates do not include spending covered by section 301(b)(1) (overseas deployments and related activities). The section has not been triggered to date in Appropriations action.

² Current aggregates do not include Corps of Engineers emergency spending assumed in the budget resolution, which will not be included in current level due to its emergency designation (section 301(b)(2)).

EARMARK DECLARATION

HON. RODNEY P. FRELINGHUYSEN

OF NEW JERSEY

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. FRELINGHUYSEN. Madam Speaker, in compliance with new "earmark" disclosure procedures adopted by the House Republican Conference, I hereby provide the following information regarding requests for funding I made of the House Appropriations Committee for inclusion in the Department of Defense (DoD) Act for Fiscal Year 2009.

Specifically, the projects will be included in Title IV, Research, Development, Test and Evaluation.

The FY 2009 Defense Appropriations Act includes:

\$5 million for Remotely Operated Weapons Systems, Weapons and Munitions Technology. The entity to receive the funding for this project is the United States Army, specifically the Armament Research Development and Engineering Center (ARDEC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806–5000.

The funding will be used to accelerate the development and fielding of critical Remotely Operated Weapon Systems technologies on DoD platforms, increasing soldier survivability while enabling them to perform hazardous missions effectively. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$5 million for Advanced Technologies, Energy and Manufacturing Science, Weapons

and Munitions Technology. The entity to receive the funding for this project is the United States Army, specifically the Armament Research Development and Engineering Center (ARDEC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806–5000.

Then funding will be used by the Army to meet the urgent need to develop and provide a breadth of innovative technology solutions to the joint warfighter with a focus on the lethality and survivability demands for munitions and armaments. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$4 million for Developmental Mission Integration, Weapons and Munitions Technology. The entity to receive the funding for this project is the United States Army, specifically the Armament Research Development and Engineering Center (ARDEC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806–5000.

The funding will be used to meet the critical need for the ARDEC to have the capability and flexibility to "bridge the gap" between its armaments research activities and Current Force requirements through a dedicated effort to mature, update, prototype and "spin out" armament and munitions technologies needed by the warfighter in the near term (6 to 12 months). The program will develop, demonstrate and transition critical armaments, munitions and logistics technologies needed by Army Brigade Combat Teams and Special Forces prior to (i.e. reset periods) and during deployment. The use of U.S. taxpayer funding is justified because this program will provide

SIONAL RECORD a revision to the budget aggregates for the period of fiscal years 2009 through 2013. This is in response to consideration of the bills HR 7005 (Alternative Minimum Tax Relief Act of 2008) and HR 7006 (Disaster Tax Relief Act of 2008). A table is attached.

Under section 323 of S. Con. Res. 70, this adjustment to the budget allocations and aggregates applies while the measure is under consideration. For purposes of the Congressional Budget Act of 1974, as amended, a revised allocation made under section 323 of S. Con. Res. 70 is to be considered as an allocation included in the resolution.

Any questions may be directed to Ellen Balis or Gail Millar.

near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$3.2 million for Rapid Prototyping for Special Projects, Weapons and Munitions Technology. The entity to receive the funding for this project is the United States Army, specifically the Armament Research Development and Engineering Center (ARDEC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806–5000.

The funding will be used to capitalize on ARDEC's unique scientific and engineering capabilities to develop lethal and non-lethal solutions for the joint warfighter in periods of less than 6 months. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$2.4 million for Mitigation of Energetic Single Point Failures, Weapons and Munitions Technology. The entity to receive the funding for this project is the United States Army, specifically the Armament Research Development and Engineering Center (ARDEC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806–5000.

Funding will be used to reduce single point failures which may lead to increased costs and jeopardize production of critical munitions required by the joint Warfighter. This effort will help increase the overall quality of ammunition items for the soldier and reduce the potential for disruption of armament production within

the industrial base and the joint armed services. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$1.6 million for JM&L Joint Munitions and Lethality Mission Integration, Munitions Standardization and Effectiveness. The entity to receive the funding for this project is the United States Army, specifically the Joint Munitions & Lethality Life Cycle Management Command (JM&L LCMC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806-5000.

The funding will be used to build a network of strategic partnerships, all coordinated with the organizations associated with the JM&L LCMC. This program will provide an efficient process and will demonstrate how early RDE capabilities and solutions can and should be utilized to "spiral in" emerging technologies to expedite new system development or enhance current systems' performance across all services. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$2.4 million for JM&L Warfighter Technology Insertion, Munitions Standardization and Effectiveness. The entity to receive the funding for this project is the United States Army, specifically the Joint Munitions & Lethality Life Cycle Management Command (JM&L LCMC) located at Picatinny Arsenal, Picatinny, New Jersey, 07806-5000.

The funds will be used to develop innovative partnerships with non-traditional finance or technology companies to expedite rapid solutions for the soldier. This new network of innovative suppliers will be focused on DoD applications, broadening U.S. suppliers' involvement to support the military. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$2.4 million for Rapid Insertion of Developmental Technology, Weapons and Munitions Advanced Technology. The entity to receive funding for this project is the Stevens Institute of Technology at Castle Point on Hudson, Hoboken, NJ 07030, working in partnership with ARDEC at Picatinny Arsenal.

The funding will be used to enhance the Army's ability to accelerate the fielding of new systems and technology that are crucial to the success of ongoing military operations. Such systems increase the protection and survivability of the warfighter as well as enhancing his or her effectiveness in the field. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$2.4 million GreenArmaments/Rangesafe, Weapons and Munitions Technology. The enti-

ty to receive funding for this project is the Steven's Institute of Technology at Castle Point on Hudson, Hoboken, NJ 07030, working in partnership with ARDEC at Picatinny Arsenal.

The funding will support the Army's Environmental Requirements and Technology Assessment (AERTA) to allow the Army to maintain its training and test and production facilities at the top operational level enabling their continued use to ensure war-fighting readiness. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$3.2 million for Armament Systems Engineering—ASEI2, Weapons and Munitions Technology. The entity to receive funding for this project is the Steven's Institute of Technology at Castle Point on Hudson, Hoboken, NJ 07030.

This funding will continue a program to provide the Army with the tools and methods to support systems architectures, adaptability and supportability to allow warfighters to change rapidly with changing battlefield conditions. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$3.2 million for Advanced Cluster Energetics, Munitions Standardization and Effectiveness. The entity to receive funding for this project is the New Jersey Institute of Technology at University Heights, Newark, New Jersey 07102-1982, working in partnership with ARDEC at Picatinny Arsenal.

The funding supports a successful program that touches all aspects of manufacturing and performance of munitions: 50% manufacturing cost reduction; insensitive munitions through encapsulated uniform compositions munitions products of superior packing density in the same volume leading to greater performance and a reduced logistics tail. ACE manufacturing technologies are applicable to conventional explosives, insensitive RDX, HMX and PBX-type munitions, nitramine-based propellants, and AP-based rocket propellants and bomb fills. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$1.6 million for Enhanced Jam Resistant Technology for INS/GPS Precision, Weapons and Munitions Advanced Technology. The entity to receive funding for this project is L3 Communications, 450 Clark Drive, Budd Lake, New Jersey 07828.

The funding will be used to develop technology for missile and rocket systems to counter electronic jamming attempts resulting from the proliferation of relatively low-cost, sophisticated and powerful GPS jammers. This program is important to increase effectiveness of the joint warfighter and reduce potential "collateral damage" in any zone of conflict. The use of U.S. taxpayer funding is justified

because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$2.4 million for Lightweight Trauma Module, Medical Materiel/Medical Biological Defense. The entity to receive funding for this project is Impact Instrumentation at 27 Fairfield Place, West Caldwell, NJ 07006.

This funding will allow the Army to incorporate newer medical device technologies to result in a 60% decrease in mass and cube through the integration of five separate, bulky and uncoordinated patient movement (PM) devices. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$1.6 million for Ink-based Desktop Electronic Material Technology, University and Industry Research Centers. Funding for this project will flow through Picatinny Arsenal in New Jersey to Honeywell Corporation, headquartered at 101 Columbia Road, Morristown, New Jersey 07962.

The funding will allow the Army to develop specialized inks that are wholly capable of fabricating electronics that would be printed on desktop printers and then incorporated into electronics. Army funding for innovative ink-based technology would lower costs and provide the Army with significant weight improvements resulting in improved mobility and point-of-use printing capability. This innovation would replace expensive traditional electronics that are primarily manufactured in semiconductor facilities overseas. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$800,000 for Large Area, APVT Materials for Hi-Powered Devices, Materials. The entity to receive funding for this project is II-VI Corporation, 20 Chapin Road, Suite 1005, Pine Brook, NJ 07058.

The funding will allow the Air Force to develop Silicon Carbide technologies with several key advantages over current technologies, including higher power density, better heat dissipation and increased bandwidth, thus making it an enabling technology for critical national defense applications. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Air Force, the requirement of matching funds is not applicable.

\$800,000 for Lightweight Multifunctional Material Technology, Weapons and Munitions—SDD. The entity to receive funding for this project is Frontier Polymers, 20 Robert Street, Parsippany, New Jersey 07054, working with ARDEC at Picatinny Arsenal.

The funding will allow the Army to improve its ammunition packaging and handling systems and enhance the protection of medium

and large caliber ammunition used throughout the military. The concepts in this program (fire/ballistic resistance, reduced weight) can be applied to packaging for a wide range of munitions. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Army, the requirement of matching funds is not applicable.

\$1.6 million M-PACT Pure Air Generator, Small Diameter Bomb. The entity to receive funding for this project is Marotta Scientific Controls, 78 Boonton Avenue, Montville, New Jersey 07045.

The funding will be used to allow the Air Force to complete development of an enhanced high pressure pure air generator (HPPAG) system designed to meet the specific operational requirements of the Small Diameter Bomb (SDB) program. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter.

As this funding will be provided to the United States Air Force, the requirement of matching funds is not applicable.

\$800,000 for IM Formulation of Anthrax Therapeutic, Chemical and Biological Defense Program. The entity to receive funding for this project is Elusys Therapeutics, 25 Riverside Drive, Pine Brook, NJ 07058.

This funding will allow the Department of Defense to develop a more viable treatment for unvaccinated defense personnel worldwide who have suffered from anthrax exposure. The use of U.S. taxpayer funding is justified because this program will provide near-term and long-range benefits to the joint warfighter—Army, Marines, Navy and Air Force.

As this funding will be provided to the United States Department of Defense, the requirement of matching funds is not applicable.

EARMARK DECLARATION

HON. MIKE ROGERS

OF ALABAMA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. ROGERS of Alabama. Madam Speaker, in accordance with the Republican Conference standards regarding Member initiatives, I am submitting the following information regarding the earmark I received as part of the H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Requesting Member: Congressman MIKE ROGERS (Alabama).

Bill Number: H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Account: AP, Air Force.

Legal Name of Entity: Alliant Techsystems, Inc.

Address of Requesting Entity: 5050 Lincoln Drive, Edina, MN, 55436.

Description of Request: This earmark provides \$7,200,000 for RC-26B Modernization. The RC-26B performs critical intelligence, surveillance and reconnaissance (ISR) missions in support of national disaster response by the

Department of Homeland Security (DHS), Customs and Border Protection (CBP), Air National Guard, and in direct support of Special Operations Forces. The Air National Guard (ANG) operates a fleet of eleven RC-26B aircraft that provide support to individual states for disaster relief and counter-drug missions. The RC-26B platform provided excellent, real-time imagery during the 2007 extended fire season and in the aftermath of Hurricane Katrina in 2005. As the demands for the RC-26Bs proven utility increased, non-availability of the platform have prevented ANG crews from performing their domestic assigned missions. Special Operations Command funded the modification of five RC-26B aircraft—to provide ISR missions in support of deployed operations. With five RC-26B aircraft deployed in support of missions outside of the continental United States, an availability vacuum at the state level has occurred. The remaining six RC-26B aircraft (from Mississippi, Arizona, Florida, Texas, West Virginia and New York) are not sufficient to support the disaster relief and counter-narcotics missions of both the ANG and DHS/CBP. Without additional FY 2009 funding to upgrade the RC-26B aircraft, the ability of the ANG to respond to future DOD ISR, DHS/CBP, counter-narcotics and disaster relief missions will be impaired, even as the demands for this low density asset increases. The Air National Guard in Montgomery, AL will benefit from this funding.

Requesting Member: Congressman MIKE ROGERS (Alabama).

Bill Number: H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Account: RDTE, Army.

Legal Name of Entity: Auburn University.

Address of Requesting Entity: 202 Samford Hall, Auburn, AL 36849.

Description of Request: This earmark provides \$2,800,000 for Logistical Fuel Processors for Army Development Program. This funding will be used for TARDEC/NAC (i.e., U.S. Army Tank Automotive Research Development and Engineering Center/National Automotive Center) to complete research and development of a hydrocarbon catalytic reforming and cleaning system/methodology capable of taking high sulfur containing logistic fuels such as JP-8 and converting them on demand into high purity hydrogen for use in fuel cell powered APU's (auxiliary power units) and ground-based military vehicles. The funding will be retained by OSD and TARDEC/NAC for administrative and technical support functions and will be used by Auburn University to complete R&D activities. The funds going to Auburn University subcontracting expenses are anticipated for R&D and technical support provided by the Anniston Army Depot, IntraMicon Inc. (of Auburn, Alabama), and at least one other technology provider. All subcontracts from Auburn University will be approved by the DOD technical program manager and the respective contracting officers at the DOD and Auburn University. This request is in direct support of the U.S. Army Tank Automotive Research Development and Engineering Center's program on Fuel Cell Development for Military Vehicles as conducted by their National Automotive Center. The technical program is in support of national defense and is being conducted by Auburn University, an entity of the State of Alabama. No cost-sharing is required or is being provided.

Requesting Member: Congressman Mike Rogers (Alabama).

Bill Number: H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Account: RDTE, Army.

Legal Name of Entity: Electric Fuel Battery Corporation.

Address of Requesting Entity: 354 Industry Drive, Auburn, AL 36832.

Description of Request: This earmark provides \$1,600,000 for Novel Zinc Air Power Sources for Military Applications. Funding will be used for further enhancements to and improvements in the core Zinc-Air battery technology, such as shelf life, power and temperature range, as well as furthering the development of our body-worn energy delivery system (Integrated Power System, or IPS) which reduces Warfighter battery carry weight by up to 80 percent and significantly simplifies outfitting and field re-supply. For example, using the IPS, a deployed Warfighter will save \$7000 per year just in his reduction in consumption of AA batteries in the field. Finalizing of current form factors currently in development, coupled with further development of new form factors as field research dictates will result in more Warfighters having access to the intrinsic safety of Zinc-Air batteries, which cannot combust or explode even when penetrated by hot projectiles. This benefit is especially vital as the move toward more and more body-worn gear, powered by body-worn batteries, gains traction in our defense forces. This funding will improve cell reliability, and form factor for Land Warrior/Future Force Warrior. It will also enable energy system field testing. The Ranger Regiment (in Iraq and Afghanistan) and PEO Soldier are testing our technology as their power solution.

Requesting Member: Congressman MIKE ROGERS (Alabama).

Bill Number: H.R. 2638—The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Account: RDTE, Air Force.

Legal Name of Entity: THY Enterprises, Inc.

Address of Requesting Entity: 440 Hillabee St., Alexander City, AL 35010 USA.

Description of Request: This earmark provides \$2,000,000 for Next Generation Tactical Environmental Clothing for Air Force Special Operations Command (AFSOC). Funding will be used to continue research and development of the Next Generation of Tactical Environmental Clothing (NGTEC) being conducted with the AFSOC. Funding will be used for research and development of a lighter, quieter, waterproof material, for engineering and manufacturing, laboratory analysis, field assessment, and for risk and plan management. AFSOC Special Tactics Teams and Combat Controllers operate in environments where the extreme effects of physical exertion over difficult terrain result in hypothermia and other related conditions that degrade mission effectiveness. Current clothing articles provided to our combat airmen do not offer the best protection or prevention of these debilitating conditions. Recent developments in fibers research indicates that better materials can be made available for use in under and outer garments to greatly reduce the effects of moisture on the body. These capabilities, which now include a thermally efficient wicking concept, combined with water-proof and tear resistant fibers should produce a garment with superior