

Description of Request: Along with Congressman DELAHUNT, Congressman OLVER, and Congresswoman TSONGAS, I received an earmark of \$10,000,000 to complete the training ship, the *Enterprise*, used by students at the Massachusetts Maritime Academy.

Federal funding will be used to complete the conversion of the training ship to its original planned cadet and officer/crew accommodation level. State maritime academy training ship conversions have traditionally been financed through appropriated funding, and the Academy has no other way to fund the retrofit of this federal Government-owned vessel.

All state academy training ships, including the *Enterprise*, are part of the U.S. Maritime Administration's national emergency response plan and can be used to berth first responders and other key disaster recovery personnel in the wake of a natural disaster or terrorist attack.

3. Account: Department of Defense, RDTE, DW.

Legal Name of Requesting Entity: L-1 Identity Solutions.

Address of Requesting Entity: 177 Broad Street, 12th Floor, Stamford, Connecticut 06901.

Description of Request: I received an earmark of \$1,600,000 to provide operational enhancements and technology improvements to biometrics-based identification tracking and analysis capabilities in order to ensure real-time actionable intelligence to the warfighter, as well as to the broader combating terrorism community.

Federal funding will be used for the research, development and demonstration of an identity-based data capturing and management system. Enhanced data capture and management would entail further research and development of biometrics stand-off capabilities, as well as in improving the interoperability and portability of these biometrics-based data systems.

This project addresses a critical requirement of the military intelligence community to accurately identify and track persons of interest in the battlespace, at military installations or in other critical, highly secured areas and facilities.

4. Account: Department of Defense, OM, ARNG.

Legal Name of Requesting Entity: Advanced Power Systems International.

Address of Requesting Entity: 339 Main Street, Torrington, Connecticut 06790.

Description of Request: I received an earmark of \$800,000 to upgrade Air National Guard vehicles. This upgrade will result in fuel savings as well as a reduction in the harmful atmospheric particulate matter produced by vehicle exhaust.

Federal funding would be used to purchase retrofit devices, which will have a savings in annual maintenance expenses due to a cleaner burning fuel.

This fuel catalyst device would make significant reductions in fuel consumption by 1.4 million gallons per year resulting in significant operational savings of \$4.65 million annually at \$2.50 per gallon. In addition to burning less fuel, the installation of the Fuel Catalyst device will result in a significant reduction in Greenhouse Gas production and saving over 14,000 metric tons of CO₂ per year along with the reduction of other atmospheric particulate matter contributing to smog.

5. Account: Department of Defense, RDTE, A.

Legal Name of Requesting Entity: DRS Fermont.

Address of Requesting Entity: 14 North Avenue in Bridgeport, CT 06606.

Description of Request: I received an earmark of \$800,000 for a demonstration program to generate power and air-conditioning from a single unit.

Federal funding will be used to create an Advanced Technology Demonstrator that provides heating, cooling, and exportable power that is in one package. That demonstrator could be used by the Army to assist with requirements determination and analysis of alternatives. The result would be fuel savings, lower O&S costs and reduced footprint.

In July 2007, the Defense Science Board Task Force on DoD Energy Strategy observed that energy logistics is a significant financial burden on US Armed Forces: specifically, (1) 70% of warfighting logistics by weight is fuel; (2) fuel convoys for powering generators and batteries create large, vulnerable footprints; and (3) supplying fuel to front lines requires considerable protection. In addition, it is widely believed the majority of the Army's generator capacity is used to power ECU's.

6. Account: Department of Defense, RDTE, AF.

Legal Name of Requesting Entity: United Technologies Corporation (UTC).

Address of Requesting Entity: 411 Silver Lane; M/S 129—88, East Hartford, CT 06108.

Description of Request: I received an earmark of \$4,000,000 to develop and demonstrate high temperature gas turbine airfoils using fiber-reinforced ceramic matrix composite (CMC) technology, for advanced military gas turbine engines for F135 (JSF Growth).

Federal funding will be used to accelerate the development of this new class of materials with significant potential DoD benefits. Recent studies have shown that CMC 3rd blades in the F135 growth engine has the potential to save more than 42 pounds of engine weight and lead to consequent cooling air savings of 1.67%, leading to significant performance improvement and fuel savings.

As this is a research and development project, which is not yet under contract, a detailed budget breakdown is not yet available. Nearly all of the funding would be dedicated to engineering work.

7. Account: Department of Defense, RDTE, AF.

Legal Name of Requesting Entity: Northrop Grumman Corporation.

Address of Requesting Entity: 1000 Wilson Boulevard, Arlington, VA 22209.

Description of Request: Along with Congressman WELDON, I received an earmark of \$20,000,000 for the Multi-Platform Radar Technology Improvement Program (MP-RTIP) Integration and Test on Joint Surveillance Target Attack Radar System (JSTARS) project.

The JSTARS (E-8) was the original platform designated for MP-RTIP and the radar can be transferred back to JSTARS with minimal risk. The MP-RTIP radar is modular and scaleable in design, enabling the Air Force to share development efforts between the smaller radar intended for the Global Hawk and a larger radar for a larger aircraft like the E-8. More importantly, the large radar can detect and track targets with a much smaller radar signa-

ture—such as a cruise missile or small targets on the ground. Therefore, the large radar will provide unique capabilities for the ongoing war on terrorism and for current and emerging cruise missiles threats for decades to come.

Federal funding will be used for project development and procurement and will ensure this vital weapon still remains viable and continues to support the joint warfighter. Joint STARS is a unique Intelligence, Surveillance, and Reconnaissance system that supports both asymmetric and conventional warfare. Without the large MP-RTIP radar, U.S. and coalition forces are exposed; the E-8 equipped with MP-RTIP will increase the mission effectiveness of our troops in the defense against cruise missiles, conducting the war on terrorism, and in future conflicts.

8. Account: RDTE, A.

Legal Name of Requesting Entity: United Technologies Corporation (UTC).

Address of Requesting Entity: 411 Silver Lane; M/S 129—88, East Hartford, CT 06108.

Description of Request: Along with Congresswoman DELAURO, and Congressman COURTNEY, I received an earmark of \$2,400,000 to develop a vehicle wide scaled armor protection system for cargo and troop transport helicopters to reduce their vulnerability to small arms fire. With the funding, UTC will accelerate a statistical design system based on battle field experience that can be used to guide the placement and scaling of new armor systems. Light weight ballistic material systems, based on novel ceramic materials, can be appropriately and selectively scaled and integrated into the helicopter to significantly decrease the vulnerability while minimizing the impact on payload and mission. The solution needs to include sensitivity to direction, stand off distance, obliquity and type of threat. The armor could then be customized and integrated to provide effective ballistic protection. This solution would limit the weight impact of reduced vulnerability while maintaining the mission capability of the vehicle.

As this is a research and development project, which is not yet under contract, a detailed budget breakdown is not yet available. Nearly all of the funding would be dedicated to engineering work.

THE COACH—KEVIN MAZEIKA

HON. TED POE

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Thursday, September 25, 2008

Mr. POE. Madam Speaker, the lessons learned through the advice of a mentor or coach are often invaluable. For those involved in athletics, a coach's guidance reaches far beyond game time. The leadership of a coach not only improves an athlete's performance but works to instill values of hard work and discipline. Texas native Kevin Mazeika continues this tradition as an internationally recognized gymnastics coach. I would like to honor Kevin for representing the state of Texas and our country, with honor and dignity during the 2008 Olympic Games in Beijing, China as the head coach of the USA men's Olympic Gymnastic Team.

Since 1988 Kevin Mazeika has been on the USA National Gymnastics coaching staff. His own personal coach and mentor Bill Meade inspired him to also pursue coaching. Following

his own stint as a Saluki gymnast at Southern Illinois University, Kevin's personal understanding of the sport is unique.

Representing the U.S. in over 40 international competitions, he is America's most successful Olympic and World Championship coach. His twenty-four year coaching career has resulted in his being awarded numerous awards from his noteworthy positions. He has achieved his great success through much hard work, determination and perseverance. He has established himself as an outstanding coach and community leader. Athlete, leader, father-figure, competitor, a credit to his community, to Texas, and to our nation; Kevin Mazeika has earned his place among the elite of his profession.

At this year's 2008 Olympic Games held in Beijing, China, Coach Mazeika led the USA team to a bronze medal in gymnastics. His stalwart victory follows his previous coaching success at the 2004 Olympic Games in Athens where the team received a silver medal. His friends, family and team mates should all be proud of his accomplishments, as we look forward to his coaching future.

Currently, he owns and operates Mazeika's Elite Gymnastics where aspiring gymnasts continue to benefit from his guidance. For his exemplary contributions to the sport of gymnastics and the athletes he coaches, I commend Kevin Mazeika. I applaud his remarkable career as he continues to represent our nation on the international stage.

And that's just the way it is.

EARMARK DECLARATION

HON. ROSCOE G. BARTLETT

OF MARYLAND

IN THE HOUSE OF REPRESENTATIVES

Thursday, September 25, 2008

Mr. BARTLETT of Maryland. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information for publication in the CONGRESSIONAL RECORD regarding earmarks I received as part of H.R. 2638, FY 09 Defense Appropriations as part of the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009. The list is as follows:

Bill Number: H.R. 2638.

Account: RTD&E Army Combat Vehicle and Automotive Advanced Technology.

Legal Name of Requesting Entity: Volvo Powertrain of North America.

Address of Requesting Entity: 13302 Pennsylvania Ave, Hagerstown, MD 21742.

Description of Request: Funded \$2.4 million to build, test, and evaluate up to five heavy tactical trucks with hybrid electric powertrain. The integrated hybrid drive system will be specifically tailored to the M915 line-haul tractor or other heavy trucks selected by the Army. The program's goal is to provide the military with more fuel efficient, cleaner and easily maintained heavy truck powertrain.

Bill Number: H.R. 2638.

Account: RDT&E Air Force.

Legal Name of Requesting Entity: Proxy Aviation Systems.

Address of Requesting Entity: 12850 Middlebrook Road, Germantown, MD 20874.

Description of Request: Multiple UAS cooperative concentrated observation and engage-

ment against a common ground objective. This program was funded \$4.4 million to provide requirement for operational need from CENTAF for a UAS cooperative engagement capability and a standing objective requirement for Predator to operate up to eight air vehicles simultaneously from a single ground station. This will increase effectiveness of current fleet of UAVs by enabling multiple UAVs to cooperate in the same airspace and dynamic mission execution.

Bill Number: H.R. 2638.

Account: RTD&E Navy Shipboard System Component Development.

Legal Name of Requesting Entity: Northrop Grumman Corporation.

Address of Requesting Entity: 1840 Century Park East, Los Angeles, CA 90067-2199.

Description of Request: Power Dense Integrated Power System for CG(X) was funded \$3.0 million to continue the development of a power dense integrated power system (IPS) suitable for surface combatant main power generation, distribution and conversion. These developments will facilitate removing 20% of existing system weight and cost, enabling a increase in combatant payload capacity. Contractor activity will be performed at Northrop Grumman Electronic Systems, Marine Systems at 7301 Sykesville Rd, Sykesville, MD 21784.

Bill Number: H.R. 2638.

Account: Procurement, Defense-Wide.

Legal Name of Requesting Entity: Smiths Detection.

Address of Requesting Entity: 2208 Lakeside Blvd., Edgewood, MD 21400.

Description of Request: Joint Chemical Agent Detector Program was funded \$4.0 million to provide advanced detection and warning, identification of contamination on personnel and equipment, and monitoring for presence of chemical warfare agent and toxic industrial chemical contamination. This project will ensure that Maryland National Guard and other guard units receive the latest chemical warfare agent and toxic industrial detector in their hands.

Bill Number: H.R. 2638.

Account: RTD&E Navy Advanced Submarine System Development.

Legal Name of Requesting Entity: Chesapeake Sciences Corporation.

Address of Requesting Entity: 1127B Benfield Blvd., Millersville, MD 21108.

Description of Request: Submarine Fatline Vector Sensor Towed Array was funded \$800 thousand to provide the fabrication, assembly and test of a prototype 96-element vector sensor fatline submarine towed array. It would also include testing and data analysis to show that Vector Sensor towed arrays provide a cost effective means to achieve significant improvement in detection, fire control, and self-defense capabilities for our submarine fleet.

Bill Number: H.R. 2638.

Account: Defense-Wide, RTD&E Microelectronic Technology Development and Support.

Legal Name of Requesting Entity: Northrop Grumman Corporation.

Address of Requesting Entity: 1580A W. Nursery Rd., Linthicum, MD 21090.

Description of Request: Scalable Topside Array Radar (STAR) Demonstrator funded for \$800 thousand to develop and build a STAR to validate performance and reduce cost/risk of next generation surface ship radar systems. This program directly supports the Navy's plan

for an aggressive radar competition to help reduce the cost of next generation platforms such as the CG(X) cruiser.

Bill Number: H.R. 2638.

Account: RTD&E Army Combat Vehicle and Automotive Advanced Technology.

Legal Name of Requesting Entity: Patrick Power Products, Inc.

Address of Requesting Entity: 6679-C Santa Barbara Rd, Elkridge, MD 21075.

Description of Request: Rotary, Multi-Fuel, Auxiliary Power Unit Development Program was funded for \$2.4 million to continue advancement of the company's auxiliary power unit technology to address the needs that the Army put forward. The RMF-APU development work has progressed to a point where the Army has accepted delivery of an RMF-APU from the company for fir check and demonstration in the M1 Abrams Main Battle Tank. The auxiliary power unit under consideration as a retrofit for the [Abrams] tank would reduce the Abrams' battlefield fuel demand by as much as 50%. This would cut the Abrams daily fuel use in Iraq from \$30 million to \$15 million.

Bill Number: H.R. 2638.

Account: RTD&E Army Weapons and Munitions Advanced Technologies.

Legal Name of Requesting Entity: ATK.

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

Description of Request: Advanced Fuzing Technologies was funded \$3.6 million based on lessons learned in both Operation Enduring Freedom and Operation Iraqi Freedom. These lessons highlighted the need for multi-purpose 105 mm and 120 mm tank ammunition to effectively engage a wide variety of targets other than enemy tanks. Multimode fuzing technologies are needed, including point-detonation with variable delay and enhanced airburst functionality at extended range. In order to address advanced 105mm and 120mm tank munitions requirements, funds are needed now to mature designs and support the evolution of these munitions.

Bill Number: H.R. 2638.

Account: RTD&E Navy Surface Combatant Combat System Engineering.

Legal Name of Requesting Entity: DRS Power Technology.

Address of Requesting Entity: 166 Boulder Drive, Suite 201E, Fitchburg, MA 01420.

Description of Request: DDG51 Class Permanent Magnet Hybrid Electric Propulsion System was funded \$7.6 million to develop hybrid propulsion drive for navy combatants. With the installation of hybrid electric drive, the hybrid motors will be operated for ship propulsion at speeds less than 13 kts and as a generator for propulsion-derived ship service electrical power at speeds of 13kts and above. The Navy RDT&E funds will design and build a hybrid electric drive prototype system for insertion and testing at the Navy Land Based test site. Development and demonstration of a prototype DDG51 hybrid electric drive system will enable fuel savings, return of investment, and warfighter advantages.

Bill Number: H.R. 2638.

Account: RDT&E Navy force Protection Advanced Technology.

Legal Name of Requesting Entity: DRS Power and Control Technologies, Inc.

Address of Requesting Entity: 4265 North 30th St., Milwaukee, WI 53216.

Description of Request: Solid state DC Protection System was funded \$1.2 million to provide a solid state DC circuit breaker protection