

H.R. 2638, The Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Requesting Member: Congressman BOB INGLIS.

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

Account: Research, Development, Test & Evaluation, Army—Sensors and Electronic Survivability.

Legal Name of Requesting Entity: Gecko Energy Technologies, Inc.

Address of Requesting Entity: 1225 Laurel Street, Columbia, South Carolina 29201.

Description of Request: The purpose of the request is to provide \$3,000,000 to research and create hydrogen batteries for the warfighter that would produce three to four times the energy as the best batteries in use today, resulting in battery weight reductions of 60–80 percent. Approximately \$480,000 (16 percent) will go toward the R&D contract with the University of South Carolina; \$900,000 (30 percent) to Gecko Energy Technologies Inc./MCEL Micro Power Design/Engineer prototype hydrogen battery; \$360,000 (12 percent) to fabricate and test hydrogen battery; \$390,000 (13 percent) for reliability testing; \$150,000 (5 percent) to finalize design/engineer; \$210,000 (7 percent) to tool and fabricate hydrogen batteries; \$150,000 (5 percent) for test and evaluation; \$150,000 (5 percent) for regulatory/logistics analysis; and \$210,000 (7 percent) for program management.

The U.S. military has a critical need to reduce the weight and increase the run time of batteries used to power battlefield devices such as radios, Global Positioning Systems, night-vision goggles, remote sensors, surveillance equipment, and unmanned vehicles. Gecko Energy Technologies Inc. will become a part of the world-class fuel cell development community in South Carolina by locating at the university to leverage the tremendous assets of the NSF Center for Fuel Cell Research and the strong intellectual base at the university. Hydrogen battery products based on the revolutionary new passive planar Gecko PowerSkin™ fuel cell technology and highly energy dense Solid Stored Hydrogen on Demand fuel cartridges will be ruggedized to meet the needs of the military and demonstrated. Manufacturing capability for these products will be developed allowing rapid deployment and use by the military. The weight of the batteries carried by the warfighter will be reduced by 2/3, small unmanned aerial vehicles flight times will be 3 to 4 times longer, and unattended ground sensors will be capable of operating for months instead of days utilizing these revolutionary hydrogen batteries at mission costs which will be approximately 40 percent less than conventional batteries. This request is consistent with the intended and authorized purpose of the Research, Development, Test & Evaluation, Army—Sensors and Electronic Survivability Account. This project has received approximately \$4 million in private investments as well as a decade of research by Millennium Cell and the University of South Carolina to make this warfighter tool a reality.

Requesting Member: Congressman BOB INGLIS.

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

Account: Research, Development, Testing & Evaluation, Air Force—Materials.

Legal Name of Requesting Entity: Cytec Carbon Fibers LLC.

Address of Requesting Entity: 7139 Augusta Road, Piedmont, South Carolina 29673.

Description of Request: The purpose of the request is to provide \$2,400,000 to conduct research and development aimed at producing a domestic source of cost effective, high performance carbon fiber used to manufacture efficient manned and unmanned air and space vehicles for the military. Approximately \$192,000 (8 percent) is to continue R&D for scale process optimization to ensure equivalent or superior product performance through modified polymer chemistry; \$168,000 (7 percent) is to continue R&D for scale process optimization to ensure equivalent or superior product performance through carbon fiber surface science for improved property translation in composites; \$192,000 (8 percent) to produce (pilot scale) and test 12k versions of phase I defined advanced PAN-based carbon fibers; \$168,000 (7 percent) to establish testing protocol with Greenville and York Technical Colleges; \$288,000 (12 percent) to generate meaningful preliminary composite data for use by target program managers; \$96,000 (4 percent) to establish training parameters for manufacturing and use of high performance carbon fibers; \$240,000 (10 percent) to begin scale-up of production/commercial capability; \$288,000 (12 percent) to produce multiple production-scale carbon fiber lots of selected 12k versions of advanced fibers; \$480,000 (20 percent) to initiate qualification/design allowable database test programs based on key military applications; and \$288,000 (12 percent) for Air Force Research Laboratory project management. In an effort to reduce the Department of Defense's fossil fuel dependence, the DoD has recently given significant attention to lightweighting manned and unmanned ground and air vehicles through advanced materials, such as composite structures, which are currently only available from foreign suppliers. The military has demonstrated a need for access to a lower cost domestic source of new advanced carbon fibers and testing protocols. Cytec Carbon Fibers will provide a domestic solution and utilize its carbon fiber expertise to develop and manufacture high performance carbon fibers in its Greenville, SC plant to be used for military applications including J-UCAS, UCAR, Global Hawk, Predator, F-18 E/F, JSF and V-22 as well as missile and satellite components. The ultimate goal would be for Cytec to work with local technical colleges, such as Greenville and York Technical Colleges to establish a knowledge base on the manufacturing, testing, repair and efficient use of advanced composite materials. This request is consistent with the intended and authorized purpose of the Research, Development, Test & Evaluation, Air Force—Materials Account. Since 2006, Cytec Carbon Fibers has invested \$7 million to upgrade its R&D facilities and pilot plant capabilities.

Requesting Member: Congressman BOB INGLIS.

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

Account: Research, Development, Testing & Evaluation, Army—Aviation Advanced Technology.

Legal Name of Requesting Entity: The Timken Company.

Address of Requesting Entity: 408 Industrial Park Road, Union, South Carolina 29379.

Description of Request: The purpose of the request is to provide \$1,280,000 to develop an advanced gear material system for helicopter power transmissions. Approximately \$512,000 (40 percent) will be used to undertake material treatments, characterize 10 material treatments through elemental testing, and down select 2 material treatments; and \$768,000 (60 percent) will be used for material 1 gear testing, material 2 gear testing, and the final report.

All major commercial and military helicopter manufacturers share a common fundamental goal in requiring more power dense transmissions. The intent of the Power Dense Transmission project is to create base information for engineering analysis and product application decisions relative to helicopter transmission components. The end result will be a fully tested prototype which will be ready for integration into helicopter field applications. The Department of Defense wants to use this technology in various helicopter gear box applications. They are interested in gear systems that can reliably carry more power and torque for longer periods. This conclusion is supported by the U.S. Army's RDS21 program through Sikorsky, where bearing technologies that support improved transmission system performance have been evaluated. Current programs to enhance the performance of military rotorcraft platforms such as the Chinook, Apache and Blackhawk would benefit significantly from the availability of a demonstrated, high performance gear material system technology. Current development programs such as the V22, X2 and Joint Heavy Lift would be enhanced by improved transmission system capability. This is a technology repeatedly stated as needed by the Army. The Department of Army wants this technology and approached The Timken Company to develop it. This request is consistent with the intended and authorized purpose of the Research, Development, Test & Evaluation, Army—Aviation Advanced Technology Account. The Timken Company will be contributing a minimum of 50 percent cost share to the project through internal company funds.

#### EARMARK DECLARATION

#### HON. SCOTT GARRETT

OF NEW JERSEY

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. GARRETT of New Jersey. Madam Speaker, pursuant to the Republican Conference guidelines, I am submitting the following information for publication in the CONGRESSIONAL RECORD regarding projects in my district that received funding per my request as part of the amendment to the Senate amendment to H.R. 2638.

1. Project Name—Landing Craft Composite Lift Fan.

Requesting Member—SCOTT GARRETT.

Bill Number—Amendment to H.R. 2638 (FY09 Defense Appropriations Bill)

Account—Department of Defense Appropriations, RDT&E, Navy, Line 35, Shipboard System Component Development, PE#0603513N.

Requesting Entity—Curtiss Wright Flow Control/Engineered Pump Division.

Entity Address—222 Cameron Drive, Suite 200, Phillipsburg, NJ 08865.

Description of the Project—Project supports design, development and manufacture of prototype composite material lift fans for application on current and next generation Navy landing craft vessels. This initiative addresses a persistent problem the Navy has been having with current generation metal lift fans, which are now replaced on average about every 2–4 months due to corrosion, wear and tear. Utilization of this composite material technology in current and future generation landing craft lift fans would result in maintenance savings and will increase the ship availability, critical in an ever-decreasing fleet budget.

Description of the Spending Plan—(\$1,000,000).

#### NON-RECURRING COSTS

Tooling .....	\$190.5k
Engineering support .....	152.5k
Drawing support .....	305k
	648k

#### RECURRING (Costs directly associated with manufacture of articles)

Material .....	\$211.3k
Manufacturing .....	104.7k
Inspections/Certifications .....	4,350k
Sustaining Engineering .....	31.65k
	352k
Project Funding Total:	
N-R .....	648k
R .....	352k
TOTAL .....	1,000,000

2. Project Name—Lightweight Munitions and Surveillance System (LMSS) for Unmanned Air & Ground Vehicles.

Requesting Member—SCOTT GARRETT.

Bill Number—Amendment to H.R. 2638 (FY09 Defense Appropriations Bill)

Account—Department of Defense Appropriations, RDT&E (Army); Line # 32; P.E. 0603004A—Weapons and Munitions, Advanced Technology.

Requesting Entity—Imperial Machine & Tool Co.

Entity Address—8 West Crisman Road, Columbia, NJ 07832.

Description of the Project—The “Lightweight Munitions and Surveillance System (LMSS) for Unmanned Air & Ground Vehicles” project is a continuation of an R&D initiative that began in FY07 to build an advanced technology multi-purpose (weapons/sensors) turret system for unmanned ground vehicles (UGVs). A new lift capability for the turret system is being designed that will extend upward to a height of 15 feet or more and allows for a variety of components (weapons/sensors) to be integrated into the UGV.

There are great benefits provided by UGVs in combat, and they need to be easy to use as well as widely functional to be truly effective for today’s war fighter. Therefore, \$2.8M should be added to RDT&E (Army), PE# 0603004A—Weapons and Munitions Advanced Technology, Line # 32, for the development, manufacture, test and demonstration of the advanced technology lift system for the “Lightweight Munitions and Surveillance System (LMSS) for Unmanned Ground Vehicles” multi-purpose turret system.

Description of Spending Plan—(\$2,800,000).

\*Due to reductions in the final conference report released today, the budget will be altered to reflect that reduction.

(1) Equipment, Software .....	\$144,900
(2) Milestone Deliverables .....	1,877,750
(3) Prototype Deliverables .....	844,550
(4) Provide staffing/training for Program (labor) .....	632,800
Total funding .....	3,500,000

3. Project Name—2kW MTG Diesel Generator Rapid Replenishment.

Requesting Member—SCOTT GARRETT.

Bill Number—Amendment to H.R. 2638 (FY09 Defense Appropriations Bill).

Account—Department of Defense Appropriations; Procurement (Marine Corps) P–1; Line # 43—Power Equipment Assorted; Budget Activity 06: Engineer and Other Equipment.

Requesting Entity—Dewey Electronics Corporation.

Entity Address—27 Muller Road, Oakland, NJ 07436, Bergen County.

Project Description—Current military doctrine, while emphasizing lighter forces and mobility, coupled with the Department of Defense’s (DoD) “one fuel forward” policy of eliminating gasoline from the battlefield, requires a lightweight, man-portable, open frame, logistically supportable, diesel-powered tactical generator be available to forward deployed war fighters. Right now, the 2kW MTG diesel generator is the only lightweight, man-portable, logistically supportable, diesel generator reliable enough and rugged enough for use in the most demanding military applications. These generators have been made available for Marine Expeditionary Units deployed to Iraq and Afghanistan, and to date, the 2kW MTG has proven its worth and has become an important supplier of electrical power for Marine Expeditionary Units. The USMC needs additional funding to purchase new 2kW MTG diesel generators because it has used its existing generator sets extensively and, in many cases, beyond their service life. The expeditionary nature, ease of operation, reliability, and supportability of the 2kW MTG make them a “must have” for the Marine Corps’ forward deployed unit.

Description of Spending Plan—(\$800,000).

In recognizing that the expeditionary nature, ease of operation, reliability, and supportability of the 2kW MTG make them invaluable to the Marine Corps’ forward deployed units, and this money is needed in FY09 for Marine Corps Procurement; Line #43; Power Equipment Assorted only for the “2kW MTG Diesel Generator Rapid Replenishment” program. The entire \$800,000 will be used to purchase 2kW Military Tactical Generators for immediate deployment to replenish forward Marine Corps units. Of the \$800,000, 64 percent will be used for Materials and 36 percent for Labor.

4. Project Name—The Institute for the Advancement of Bloodless Medicine.

Requesting Member—SCOTT GARRETT.

Bill Number—Amendment to H.R. 2638 (FY09 Defense Appropriations Bill).

Account—Department of Defense Appropriations; RDTE, Army R–1 Line Number: 30 PE #: 0603002A.

Requesting Entity—Englewood Hospital and Medical Center.

Entity Address—350 Engle Street, Englewood, NJ 07631, Bergen County.

Project Description—The New Jersey Institute for the Advancement of Bloodless Medicine and Surgery (NJIABMS) at Englewood Hospital and Medical Center (EHMC) has begun to develop a project for teaching and consultation of bloodless medicine with \$1.6

million from DOD to teach military doctors and nurses blood management techniques to support their clinical practice during wartime efforts. For more than a decade, The New Jersey Institute for the Advancement of Bloodless Medicine and Surgery (NJIABMS) at Englewood Hospital and Medical Center (EHMC) has been an international leader in performing even the most difficult surgery and complicated medical treatment while minimizing or eliminating the use of donor blood.

Description of Spending Plan—(\$1,600,000).

\*Due to reductions in the final conference report released today, the budget will be altered to reflect that reduction.

Costs year 2: Development, 2 classes at 10 students.

	Costs per entity	No. units	Total
Entity 1: Program development.	393,000 .....	1	393,000
Entity 2: Administrative costs.	1,185,000 .....	1	1,185,000
Entity 3: Program-related costs.	42,000 per class .....	2	84,000
Entity 4: Student-related costs.	18,500 per student .....	20	370,000
Total: .....			\$2,032,000

5. Project Name—Medical Error Reduction Initiative.

Requesting Member—SCOTT GARRETT.

Bill Number—Amendment to H.R. 2638 (FY09 Defense Appropriations Bill).

Account—RDT&E, Army, PE#:0603002A–R–1 Line Number: 32 “Medical Advanced Technology.”

Requesting Entity—Valley Hospital.

Entity Address—The Valley Hospital, 223 North Dien Avenue, Ridgewood, NJ 07450–2736.

Project Description—Funding was provided for Valley Hospital’s Medical Error Reduction Initiative. The project is a continuation of a successful multi-year partnership with the Department of Defense. This final stage will be a research study that will look at the common pressures facing both civilian and military health systems with implementing and integrating information technology.

Description of Spending Plan—(\$400,000).

The project is a continuation of a successful multi-year partnership with the Department of Defense. This final stage will be a research study that will look at the common pressures facing both civilian and military health systems with implementing and integrating information technology.

This federal funding will be applied as follows:

Personnel: \$200,000 (Principal Investigator \$100K; Study Coordinator \$100K).

Hardware: \$200,000.

6. Project Name—M-Pact High Pressure Pure Air Generator System.

Member Name—Congressman SCOTT GARRETT.

Bill Number—Amendment to H.R. 2638 (FY09 Defense Appropriations Bill).

Account—Air Force RDT&E budget, PE# 0604329F, Line 65, Small Diameter Bomb (SDB).

Requesting Entity—Marotta Controls.

Entity Address—78 Boonton Ave., PO Box 427 Montville, NJ 07045.

Program Description—This program will improve the M-PACT HPPAG system reliability and maintainability characteristics through the integration of advancements in materials technologies across a broad range of extreme operating conditions including arctic cold start for the SDB program.

## Description of Spending Plan—(\$1,600,000).

Program Management .....	\$50,000
Engineering Labor Mechanical .....	250,000
Electrical .....	100,000
Software .....	100,000
Technician Support .....	100,000
Material .....	300,000
Sub Contract .....	300,000
Testing .....	400,000
Total Funding .....	1,600,000

## EARMARK DECLARATION

## HON. HAROLD ROGERS

OF KENTUCKY

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, September 24, 2008*

Mr. ROGERS of Kentucky. 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 the Amdt to H.R. 2638, Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: OM, A.

Legal Name of Requesting Entity: Outdoor Venture Corporation.

Address of Requesting Entity: 2280 S. Highway 1651, Stearns, KY 42647.

Description of Request: The funding of \$3 million will be used to address U.S. Army modular command post tent needs.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: OM, A.

Legal Name of Requesting Entity: Outdoor Venture Corporation.

Address of Requesting Entity: 2280 S. Highway 1651, Stearns, KY 42647.

Description of Request: The funding of \$5 million will be used to address U.S. Army air-supported temper tent needs.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: RDTE, A.

Legal Name of Requesting Entity: Progeny Systems Corporation.

Address of Requesting Entity: 445 South U.S. 27, Suite 201, Somerset, KY 42501.

Description of Request: The funding of \$1.6 million will be used for a deployable remote monitoring system for the Army.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: OM, A.

Legal Name of Requesting Entity: Phoenix Products, Inc.

Address of Requesting Entity: 106 Bethford Road, McKee, KY 40447.

Description of Request: The funding of \$2 million will be used to retrofit U.S. Army UH-60 transmission drip pans.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: DPA.

Legal Name of Requesting Entity: Aspen Compressor, LLC.

Address of Requesting Entity: 825 Chapell's Dairy Road, Somerset, KY 42503.

Description of Request: The funding of \$1 million will be used to produce miniature compressors for electronics and personal cooling systems.

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 Amdt to H.R. 2638: "Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009".

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638: "Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009".

Account: S&T Research, Development, Acquisition, & Operations.

Legal Name of Requesting Entity: National Institute for Hometown Security, Community Based Infrastructure Protection Solutions, Kentucky.

Address of Requesting Entity: 610 Valley Oak Drive, Suite 1, Somerset, Kentucky 42503.

Description of Request: \$11 million will be used to continue to provide leadership in discovering and developing community-based critical infrastructure protection solutions; facilitate commercialization; and encourage deployment. A regional consortium of universities will compete for critical research and development programs, as determined by the Department of Homeland Security.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: RDTE, N.

Legal Name of Requesting Entity: Tier 3 Data and Web Services.

Address of Requesting Entity: 595 Highway 192 West, London, KY 40741.

Description of Request: The funding of \$1 million will be used to develop an integrated product support data management system for the Navy Supply Systems Command (NAVSUP).

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 263.

Account: RDTE, N (MC).

Legal Name of Requesting Entity: University of Kentucky Research Foundation.

Address of Requesting Entity: 103 Kinthead Hall, Lexington, KY 40506.

Description of Request: The funding of \$2 million will be used for research and development of an Anti-Sniper Infrared Targeting System.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: DRUGS.

Legal Name of Requesting Entity: Kentucky National Guard—Joint Support Operations.

Address of Requesting Entity: 5751 Briar Hill Road, Lexington, KY 40516.

Description of Request: The funding of \$3.6 million will be used to support law enforcement in the eradication of marijuana through the use of Kentucky National Guard military equipment and personnel.

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638.

Account: PA, A.

Legal Name of Requesting Entity: Ensign Bickford Aerospace and Defense Company.

Address of Requesting Entity: Highway 175, Graham, KY 42344.

Description of Request: The funding of \$3.2 million will be used to address breaching kit needs by the U.S. Army.

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 Amdt to H.R. 2638: "Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009."

Requesting Member: Congressman HAROLD ROGERS.

Bill Number: Amdt to H.R. 2638: "Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009."

Account: FEMA M&A, Flood Control & Hazard Mitigation Demonstration Program, Commonwealth of Kentucky.

Legal Name of Requesting Entity: Commonwealth of Kentucky, Division of Emergency Management.

Address of Requesting Entity: 100 Minute-man Parkway, Frankfort, KY 40601.

Description of Request: As specified in the House Report to accompany H.R. 6947, this funding will allow FEMA to develop a \$2,425,000 demonstration program and work with federal, state, and local emergency management and flood damage reduction shareholders toward reducing long-standing hazards in southern and eastern Kentucky. Funds are provided to demonstrate a wide range of project solutions across FEMA's multiple disaster preparedness and mitigation programs, including: retrofitting and hardening of existing flood walls and levees; pump refurbishment; land acquisition; transportation infrastructure modifications; and other flood damage reduction projects within this watershed.

## EARMARK DECLARATION

## HON. TIMOTHY WALBERG

OF MICHIGAN

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, September 24, 2008*

Mr. WALBERG. 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 the Amendment to the Senate Amendment to H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

Each project listed below:

H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009.

September 24, 2008.

Name of Project and Amount: Cold Weather Layering System (CWLS)—\$2.4 million

Bill Number: H.R. 2638.

Account Information: Navy, O&M, MC Operation and Maintenance, MARINE CORPS.

Legal Name and Address of Receiving Entity: Peckham Industries, 2822 North Martin Luther King Jr. Boulevard, Lansing, Michigan 48906.

Project Description: The CWLS is part of the Marine Corps' Mountain and Cold Weather Clothing and Equipment Program, which provides lightweight, durable combat clothing that allows Marines to operate in all kinds of cold