

is to greatly improve casualty care in combat situations, where medics are unable to effectively monitor injured soldiers' conditions. Current medical triage monitors and vital signs data tracking tools are complex, heavy, and have numerous wires with bulky connections. WiMed prototypes have successfully demonstrated a comprehensive leap ahead in critical care by linking all patient care within the same wireless systems and platforms already in service. The \$1.6 million provided in FY09 funding will accelerate comprehensive clinical evaluations and speed deployment to the troops. Once placed with a patient, WiMed can be kept on patients throughout triage and subsequent care. The self-contained WiMed works with standard blood pressure cuffs and a simple highly mobile forehead stick-on sensor, integrating pulse oximetry, blood pressure, temperature, skin humidity, and electrocardiograms into a single unit. The patient's condition is also broadcast via Wi-Fi technology using common Windows-based software. 25% of the funding will be used for software and equipment upgrades, 20% for production design, 25% for certification testing, and the remaining 30% for manufacturing start-up.

Requesting Member: Congressman TOM LATHAM.

Bill Number: H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009. Division C—Department of Defense Appropriations Act.

Account: Research, Development, Test And Evaluation, Defense-Wide.

Project Name: HyperAcute Vaccine Development.

Legal Name of Requesting Entity: Bio-Protection Systems Corporation.

Address of Requesting Entity: 2901 South Loop Drive, Suite 3360. Ames, IA 50010.

Description of Request: It is generally recognized and accepted by the Congress, the Administration and the Intelligence Community that Chemical/Biological attacks on The United States are not only possible, but likely. Although millions of dollars have been spent on Biological Defense over the past several years, only a handful of vaccines/medications have been developed to counter known threats. Unfortunately, most have proven to be weak and impractical to administer because they require multiple doses for protection or treatment. Importantly, these vaccines would not protect against genetically engineered biological weapons, which are relatively easy to produce. BioProtection Systems Corporation will utilize its HyperAcute technology to (1) enhance current vaccines, making them more effective and practical for use, (2) generate vaccines for known threats where a vaccine does not exist, and (3) develop a vaccine platform for unknown agents. FY09 funding will continue the development program for a HyperAcute vaccine candidate selected by the Department of Defense to satisfy existing military requirements. The \$2.4 million appropriation funds the second year in a three-year development plan. 50% of the funding will be used to improve existing HyperAccute vaccine technology through BSL-4 level pre-clinical testing to meet FDA efficacy standards for bio-defense vaccines. The remaining funding will be used to develop and test new vaccines based on this technology.

Requesting Member: Congressman TOM LATHAM.

Bill Number: H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009. Division C—Department of Defense Appropriations Act.

Account: Research, Development, Test And Evaluation, Defense-Wide. Project Name: Portable Rapid Bacterial Warfare Detection Unit.

Legal Name of Requesting Entity: Advanced Analytical Technologies, Inc.

Address of Requesting Entity: 2901 S. Loop Drive, Suite 3300, Ames, IA 50010.

Description of Request: Bacterial warfare agents present a real and immediate threat to our deployed troops. The introduction of a pathogenic contaminant into a military base water supply poses a catastrophic, yet highly preventable scenario. The project objective is to develop a fast, portable detection device to identify these contaminants and prevent or limit exposure. FY06 and FY07 project funding was used to establish a rapid and reliable method for detecting single bacterial cells. FY08 funding will be used to optimize and streamline the DNA profiling system used in the device. This funding will also be used to build a library that houses profiling sequences of target DNA that correlate to Biological Warfare (BW) agents such as anthrax. This will allow rapid identification of any threatening water contaminants. The BW organisms are classified as BSL-3 agents or higher and require manipulation in a certified containment facility like that at Aberdeen Proving Ground. FY09 funds will be used to re-engineer the system to a miniaturized, portable instrument better suited for field deployment. This system will be deployable and easy to operate, providing a tool for protecting our troops.

Requesting Member: Congressman TOM LATHAM.

Bill Number: H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act, 2009. Division C—Department of Defense Appropriations Act.

Account: Research, Development, Test And Evaluation, Navy.

Project Name: Galfenol Energy Harvesting.

Legal Name of Requesting Entity: ETREMA Products, Inc.

Address of Requesting Entity: 2500 North Loop Drive. Ames, IA 50010.

Description of Request: The U.S. Navy has a goal of reducing the crew sizes of its various vessels. The chief strategy is the use of remote sensors to monitor areas normally covered by personnel standing watch. Remote sensors would communicate information to a central processing station using a wireless network and thereby avoid adding the weight and complexity of additional wiring. The challenge is that each of these sensors requires a battery to operate, which adds to the maintenance demand and cost. Galfenol, a new smart-materials technology being developed by the U.S. Navy and ETREMA Products of Ames beginning in FY08, has the potential ability to be the solution by generating electricity directly from energy produced by vibrations of a ship's hull during the course of normal operations. FY09 research and development funding will be used to advance the capability of Galfenol material fabrication and the design of small, efficient energy harvesting electronics that can harness the material's capability.

COMPREHENSIVE AMERICAN ENERGY SECURITY AND CONSUMER PROTECTION ACT

SPEECH OF

HON. MARIO DIAZ-BALART

OF FLORIDA

IN THE HOUSE OF REPRESENTATIVES

Tuesday, September 16, 2008

Mr. MARIO DIAZ-BALART of Florida. Mr. Speaker, the Comprehensive American Energy Security and Consumer Protection Act increases regulation and continues to limit production of abundant American energy resources. This legislation follows the Majority's typical path of runaway spending, higher taxes, and more red tape for domestic energy production:

This legislation deepens our dependence on foreign oil by permanently banning production of 97 percent of the 10.5 billion barrels off the coast of California, and over 85 percent of American's energy resources.

It contains no revenue sharing provision, thus giving states a major disincentive to agree to off-shore drilling. It also prohibits drilling in areas where experts say most of the energy resources is known to be found.

H.R. 6899 imposes a massive tax increase of \$17.7 billion over 10 years on companies engaged in domestic energy production. At this time of economic uncertainty, increasing taxes does nothing but threaten millions of American jobs. By raising costs on domestic production, consumers can expect the higher taxes to be passed down to them. This measure would limit efforts to expand American energy supplies, which ensures further dependence on Hugo Chavez and unstable Middle Eastern nations for their sources of oil.

I cannot support a bill that says no to clean coal, no to nuclear and no to new refineries.

Energy is the critical issue of our time, and this Democratic Congress refuses to let the House engage in and debate a real, meaningful energy bill that actually produces energy. We need a vigorous energy policy that relies on American resources for American energy while growing our economy and creating countless new jobs.

The American people expect and deserve better. This country needs a serious, aggressive, all-of-the-above energy plan that will lead us to energy independence, not a hoax of an energy bill.

COMPREHENSIVE AMERICAN ENERGY SECURITY AND CONSUMER PROTECTION ACT

SPEECH OF

HON. SHEILA JACKSON-LEE

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Tuesday, September 16, 2008

Ms. JACKSON-LEE of Texas. Mr. Speaker, I rise today in strong support of H.R. 6049, the Renewable Energy and Job Creation Tax Act of 2008. This legislation is a timely, necessary, and comprehensive approach to addressing our energy crisis. I support efforts to extend the expiring business tax provisions. Opponents of H.R. 6049 are concerned that the House Amendment to the Senate Amendment to this bill would permanently increase taxes