skilled, work-ready employees. In order to carry out the previously stated objectives, Northwest Manufacturing Initiative has provided the following budget and funding breakdown for the $1,600,000 provided for the project in H.R. 2638: $600,000 for Portland State University; $250,000 for the University of Oregon; $250,000 for the Oregon Institute of Technology; $360,000 for workforce training and skills integration; $40,000 for youth and young adult outreach; and $100,000 for Defense Logistics Agency estimated processing fee.

Account: Research, Development, Test, and Evaluation—Army.

Legal Name of Requesting Entity: University of Oregon.

Address of Requesting Entity: Attn: Rich Linton, Vice President for Research, University of Oregon, 203 Johnson Hall, Eugene, OR 97403.

Description of Project: The University of Oregon confirms that this funding will be used for the Brain, Biology and Machine Applied Research initiative's (BBMI) applied research phase and will focus primarily on research and development related to neurorehabilitation. In particular, the University of Oregon confirms that BBMI will investigate neuroplasticity aimed at developing, evaluating and optimizing a new generation of intervention techniques for assisted and prosthetic devices and integration. In order to carry out the previously stated objectives, the University of Oregon has provided the following budget and funding breakdown for the $1,600,000 provided for the project in H.R. 2638: $460,000 for equipment; $1,050,000 for research; and $90,000 for public outreach/education.

Account: Army National Guard.

Legal Name of Requesting Entity: Oregon Military Department.

Address of Requesting Entity: Oregon Military Department, Attn: Installations Division, 1776 Militia Way, P.O. Box 14350, Salem, OR 97309–5047.

Project Location: The Dalles, Oregon.

Description of Project: H.R. 2638 appropriates $682,000 for design of The Dalles Readiness Center (Armory), a 35,355-square-foot facility to support administrative and training functions for Company A(–) of the 3–116 Rifle Cavalry, with adequate classroom and administrative space for training and operations for homeland security, antiterrorism, and force protection. The Oregon Military Department has stated that all of the $682,000 appropriated funds will go towards design of The Dalles Readiness Center.

Account: Research, Development, Test, and Evaluation—Army.

Legal Name of Requesting Entities: Oregon State University (on behalf of the Oregon Nanoscience and Microtechnology Institute (ONAMI), a collaboration between the University of Oregon, Oregon State University, and Portland State University).

Address of Requesting Entities: Attn: John M. Cassady, Vice President for Research, Oregon State University, 314 Rogers Hall, Corvallis, OR 97331.

Description of Project: The requesting entity confirms that this funding will be used by the Oregon Nanoscience and Microtechnology Institute (ONAMI) Miniature Tactical Energy Systems Development project. It will be used for research and development to miniaturize a wide range of important tactical energy systems including soldier power systems and advanced cooling units for forward deployed operations. In order to carry out the previously stated objectives, ONAMI has provided the following budget and funding breakdown for the $2,400,000 provided for the project in H.R. 2638: $1,020,000 for equipment; $1,255,000 for research; and $125,000 for industry and community outreach.

Account: Air Force; Research, Development, Test, & Evaluation.

Legal Name of Requesting Entity: University of Oregon (on behalf of the Oregon Nanoscience and Microtechnology Institute (ONAMI) which consists of the University of Oregon, Oregon State University, and Portland State University).

Address of Requesting Entity: Attn: Rich Linton, Vice President for Research, 203 Johnson Hall, University of Oregon, Eugene, OR 97403.

Description of Project: H.R. 2638 has appropriated $4,000,000 for the Oregon Nanoscience and Microtechnology Institute (ONAMI) Safer Nanomaterials and Nanomanufacturing Initiative. In order to carry out the objectives of this project, ONAMI has provided the following budget and funding breakdown for the $4,000,000 provided for the project in H.R. 2638: $1,200,000 for equipment; $2,200,000 for research; $400,000 for industry and community outreach; and $200,000 for industry collaboration.

The ONAMI Safer Nanomaterials and Nanomanufacturing Initiative develops inherently safer and greener nanomaterials and nanomanufacturing methods, which directly impact the military's need for high performance materials that do not emit unintended wastestreams or material hazards. Three general areas of activity included within the Initiative are: (1) rational design of safer and greener materials based upon unique properties found at the nanoscale, (2) systematic assessment of the biological impacts of engineered nanomaterials, and (3) development of technology for high volume manufacturing and application of high-performance nanomaterials. Examples of nanomaterials and manufacturing of importance for military technology include nanoelectronics and nanophotonics, thermoelectric coolers, medical diagnostics and therapeutics, drinking water purification and environmental monitoring & remediation systems.

The ONAMI Safer Nanomaterials and Safer Nanomanufacturing Initiative cost share includes: state funding of approximately $2.23 million for research activities; private funding of over $2 million (cash and in-kind) from Hewlett-Packard, Invitrogen, FEI, and companies involved in related research efforts; and peer-reviewed federal awards and competitive awards from foundations, including the Keck Foundation, worth several million dollars.

Account: Research, Development, Test, and Evaluation—Navy.

Legal Name of Requesting Entity: Portland State University (on behalf of the Oregon Nanoscience and Microtechnology Institute (ONAMI), a collaboration between the University of Oregon, Oregon State University, and Portland State University).

Address of Requesting Entity: John Carruthers, Portland State University, 1719 SW 10th Ave., Portland, OR 97201.

Description of Project: The requesting entity confirms that this funding will be used by the Oregon Nanoscience and Microtechnology Institute (ONAMI) Nanoelectronics and Nanometrology Initiative. This funding will be used for supporting collaborative research with the Western Institute for Nanoelectronics, Pacific Northwest National Laboratory, and Oregon Health and Science University (OHSU) to generate new applications such as nanoelectronic devices to address the end of Moore's Law scaling, advanced solar cells, nanoscale chemical imaging for catalysis improvements in areas such as bioremediation and ethanol production, nanoscale biosensors for point-of-care health management, and biological cell imaging and measurement capabilities. In order to carry out the previously stated objectives, ONAMI has provided the following budget and funding breakdown for the $4,000,000 provided for the project in H.R. 2638: $1,200,000 for equipment; $2,525,000 for research; and $275,000 for industry and community outreach.

EARMARK DECLARATION

HON. DON YOUNG

OF ALASKA

IN THE HOUSE OF REPRESENTATIVES

Friday, September 26, 2008

Mr. YOUNG of Alaska. Madam Speaker, I submit the following:

Bill Number: H.R. 2638, Air Force, RDT&E, Line 221, PE# 0708611F (Support Systems Development).

Legal name and address of entity receiving earmark: Biomass Energy Systems, Inc., 100 Overlook Center, 2nd Floor, Princeton, NJ 08540.

Description of how the money will be spent and why the use of federal taxpayer funding is justified: This project is underway to introduce alternative energy sources based on locally available resources for the USDOD and in Alaska. The Air Force, APTO, Eielson AFB and BESI have forged an alliance to create an alternative energy source program to be implemented in Alaska. The program consists of three phases. First, an integrated waste to energy system consisting of waste gasification, gas cleanup, and a gas engine to convert waste-based fuel gas to electricity will be demonstrated using wood waste and other locally generated wastes will be located at Eielson AFB in Fairbanks, AK. After the testing is complete and any modifications are identified, the gasification system will be relocated to a local village, to demonstrate the system in a typical local setting as a backup source of power. After testing the system under local conditions is completed, the system will be integrated in parallel with the existing petroleum-based system. Initially the system will operate as backup for the existing system with a gradual change over to a primary role. This provides a practical model of sustainable renewable energy for the USDOD facilities, as well as the Alaskan villages.

Description of matching funds: BESI is currently under contract to the U.S. Air Force, APTO to deliver a final design for a 1MW system for Eielson Air Force Base in Alaska.

This is a Congressionally funded project from FY 07 and the contract is worth $848,040.00.

Appropriated Amount: $2,400,000.

Project Name: Eielson Air Force Base Alternative Energy Source Program.

Detailed Finance Plan:

Item	Cost
Equipment Gasifier and Genset	$1,430,000
Instrumentation and Controls	330,000
Construction & Installation	200,000
Shakedown	200,000
Project Management	240,000
Total	$2,400,000

Bill Number: H.R. 2638, Army, RDT &E, 999 Classified Programs.

Legal name and address of entity receiving earmark: Army Battle Command Battle Laboratory, Mr. Jason Denno, Deputy Director, Ft. Huachuca AZ 85613.

Description of how the money will be spent and why the use of federal taxpayer funding is justified: (BRAMA-E) is a critical decision and training aid for commanders and operators to use in support of military operations on urbanized terrain (MOUT). BRAMA is an integrated collection, planning, and course of action system. It integrates existing U.S. Army developed blast modeling software with a state of the art 4D (Lat, Long, Alt, and Time) visualization front end. It is used by the Army to simulate blast analysis and vulnerability assessments.

BRAMA provides decision support for antiterrorism/force protection (AT/FP) and critical infrastructure protection (CIP). BRAMA is a royalty-free tool and requires minimal training. It leverages previous U.S. Army and U.S. Air Force—force/facility protection R&D efforts. Starting in 2007, the BRAMA capability—along with training—has been provided to active duty Army, Homeland Security and National Guard representatives from 7 states. The U.S. Army CONOPS for Force Protection highlights the need for a Capabilities Based Assessment (CBA) tool. Additionally, user feedback postdelivery on BRAMA specifically asks for enhancements on the speed at which facility data can be generated and visualized. Research conducted by the Army in 2006 and 2007 has identified a candidate commercial technology that can be integrated into the BRAMA baseline to meet the CONOPS and speed up the collection process.

BRAMA has demonstrated its usefulness to commanders, planners, and security forces by employing full-dimensional display technology to visualize, analyze and remediate blast effects generated by DoD-approved blast models. BRAMA-E will extend that capability by simplifying the ease of use and helping the Army meet its goal to field a unit level Capabilities Based Assessment (CBA) tool.

Description of matching funds: Not Applicable.

Appropriated Amount: $800,000.

Project Name: Blast and Damage Assessment Risk Analysis and Mitigation Application—Enhancements (BRAMA-E).

Funding Source: Army, RDT &E, 999 Classified Programs.

Bill Number: H.R. 2638, Army, RDT&E, Line 6, PE # 0602120A.

Legal name and address of entity receiving earmark: Alkan Shelters, LLC, 1701 S. Cushman St., Fairbanks, AK 99701.

Description of how the money will be spent and why the use of federal taxpayer funding is justified: In an effort to support the needs of the Special Operations Community with regard to establishing remote area communications and intelligence, Alkan has designed a C4 module capable for use on the smaller ATV platforms. The module design incorporates the latest in satellite communications, UAV & IR camera surveillance and military mesh network antenna systems. It will provide a means by which to gather field intelligence and transmit this data back to the tactical operations center. This project funding would be used to build a military ATV vehicle and C4 module and has already received $500,000 in funding from SOCOM.

Description of matching funds: This project has received $500,000 in funding from SOCOM.

Appropriated Amount: $1,200,000.

Project Name: Command and Control, Communications and Computers (C4) module.

Detailed Finance Plan:

ATV	$300,000
Shelter	300,000
C4 Components	200,000
Engineering	400,000
Total	$1,200,000

Bill Number: H.R. 2638, Operation and Maintenance, Air Force, 04 Administration and Servicewide Activities 0421 Civil Air Patrol.

Legal name and address of entity receiving earmark: Alaska Wing, Civil Air Patrol, United States Air Force Auxiliary, P.O. Box 6014, Elmendorf Air Force Base, AK 99506–6014.

Description of how the money will be spent and why the use of federal taxpayer funding is justified: Requested funds would provide Infra-Red (IR) technology that would be mounted to select aircraft to enhance our capability in Search and Rescue (SAR), Homeland Security, and Disaster related missions. Five aircraft strategically located throughout Alaska would provide enhanced coverage for the aforementioned missions.

Description of matching funds: N/A.

Appropriated Amount: $800,000.

Project Name: Alaska Civil Air Patrol Strategic Upgrades and Training.

Funding Source: Operation and Maintenance, Air Force, 04 Administration and Servicewide Activities 0421 Civil Air Patrol.

Detailed Finance Plan:

EVS Equipment, Installation, and needed aircraft modifications—$450,000.

Training Related Expenses—$150,000–$200,000.

Estimated Modification(s) to Individual Squadron Facilities to Maintain Storage, Security, and Maintenance of the Technology—$100,000–$200,000.

Bill Number: H.R. 2638.

Legal name and address of entity receiving earmark: Alaska National Guard, Alaska Department of Military & Veterans Affairs, PO Box 5800 Camp Denali, Fort Richardson, AK 99505–5800.

Description of how the money will be spent and why the use of federal taxpayer funding is justified: The Alaska National Guard is undergoing a significant organizational transformation from its ''Cold War first line of defense'' to an integral component of today's military that is trained and ready to fight the Global War on Terrorism. As such, it is imperative that we have contemporary training and logistics facilities for our soldiers as they return from Kuwait, Iraq, and Afghanistan. This new readiness center will serve as a modem regional training and logistics hub to prepare service members throughout western Alaska for their new mission. Thank you for your support on this matter.

Description of matching funds: The State of Alaska has appropriated all necessary state funds for this project.

Appropriated Amount: $16,000,000.

Project Name: Bethel Armory Readiness Center.

Funding Source: Department of Defense, Air National Guard.

Detailed Finance Plan: Funds will be used for construction costs. The land for the project has been acquired, all environmental documentation is complete and without issue and the site has been prepared, at state cost, and is ready for construction; and the design is 95% complete.

Bill Number: H.R. 2638, Army, RDT&E, 999 Classified Programs.

Legal name and address of entity receiving earmark: Battle Command Battle Lab, Mr. Jason Denno, Deputy Director, Fort Huachuca, AZ 85613.

Description of how the money will be spent and why the use of federal taxpayer funding is justified: The Constant Look system is a prototype biometric sensing capability developed for the U.S. Army to support MOUT (military operations in urbanized terrain). Its unique standoff capability gives users an ability to support surveillance and special operations remotely. User comments from several demonstration tests included requests for enhancements to improve usability and extend the capability of the system in terms of what can be collected The Constant Look Operational Support Environment (CLOSE) will provide that additional functionality by leveraging several proven off-the-shelf technologies—a standoff digital collection system and additional digital signal processing (DSP) to extract other types of biometric signatures.

The U.S. Army's ISR Battle Command Battle Lab at Fort Huachuca (BCBL-H) responding to user requests—has developed and tested a stand-off biometric sensor system that allows traditional and special operations units to conduct surveillance and identify potential hostiles from a safe distance with a low probability of detection. To date, the majority of the effort on Constant Look has focused on the core collection system technology and the user interface has not kept pace with available commercial technology. CLOSE will remedy that by leveraging millions of dollars in commercial investment and integrating that investment into the Constant Look baseline.

CLOSE will provide CL users with a rapid capability to collect and model surveillance target facilities, including ingress and egress, from the same standoff range as the CL collection system itself. Secondly it will extend the DSP capability resident within the CL baseline to extract other types of Indications and Warning (I&W) data.

Description of matching funds: Not Applicable.

Appropriated Amount: $1,600,000.

Project Name: Constant Look Operational Support Environment (CLOSE).

Funding Source: Army, RDT&E, 999 Classified Programs.