

Account: R1: Aerospace Propulsion and Power Technology.

Requesting Entity: Sam Houston State University.

Address of Requesting Entity: Sam Houston State University, 1806 Ave J, Suite 303, Huntsville, TX 77340.

Description of Request: With one more year to go before completion, this is the second year I have requested funding for TRIES. The project has received funding for a total of 7 non-consecutive years. This request will provide funds to Sam Houston State University and Texas State University System to finalize research of a technology for the treatment of contaminated water to make it usable for our troops in the field or during natural disasters.

Of the \$1.6 million TRIES received this year, approximately \$312,000 (19.5%) will go to direct labor; \$360,000 (22.5%) for materials; \$824,000 (51.5%) for other direct expenses; and \$104,000 (6.5%) for demonstration.

EARMARK DECLARATION

HON. GINNY BROWN-WAITE

OF FLORIDA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Ms. GINNY BROWN-WAITE. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding member requests I received as part of H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009:

I requested 3 projects in H.R. 2638. They include:

\$800,000 for the Miami Project to Cure Paralysis—Battlefield Exercise and Combat Related Spinal Cord Injury Research located at 1095 NW 14th Terrace, Miami, FL 33136. This request, in the RDTE,A account, will fund continuing spinal cord injury (SCI) research at the Miami Project to Cure Paralysis, a Center of Excellence at the University of Miami School of Medicine. Research is directed at improving neuroprotection and pharmacological treatments for combat-sustained spinal cord injuries to reduce secondary damages.

\$1,200,000 for St. Leo University's Continuing Education Distance Learning located at 33701 State Road 52, P.O. Box 6665, St. Leo, FL 33574. This request, in the OM,N account, will be used for long distance learning programs that are utilized by members of our Armed Forces. At this time, the university's main campus and 21 teaching locations (15 military locations) can accommodate the VTT broadcast and delivery of academic courses. Four new centers located at military sites are scheduled for VTT system installation in 2008, and discussions are underway to add VTT at 4 military teaching locations in 2009. VTT system installation also is scheduled for the university's civilian teaching location at the Atlanta Police Training Academy, where law enforcement and military personnel study criminal justice and homeland security.

\$5,200,000 for VLOC, Inc., located at 7826 Photonics Dr., New Port Richey, FL 34655. This request, in the DPA account, will be used for the domestic production of transparent polycrystalline laser gain materials.

The Department of Defense is calling for the development of tactical lasers that generate

100+ kilowatts of output power in an all-solid-state design with field-testing starting within the next 12 months. To generate this level of operational power, new and unique laser materials must be produced commercially and domestically. Under previous forward-leaning research funded by the AFRL, U.S. industry was able to research and test innovative growth technologies, infrastructure improvements, and advanced materials analysis of these new ceramic laser gain materials. Unfortunately, at the start of these testing efforts, there were no parallel commercial polycrystalline-based efforts domestically that would address U.S. defense-critical needs. A domestic supplier now exists and it is imperative that domestically produced materials be tested and qualified to maintain the military proprietary status of these highly sensitive military 100+ kilowatt-class lasers. By leveraging this previous R&D funding, it is expected that full domestic production with volumes to meet all of the current DoD needs can be achieved.

EARMARK DECLARATION

HON. TERRY EVERETT

OF ALABAMA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. EVERETT. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information for publication regarding three earmarks I received as part of H.R. 2638—Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of Fiscal Year 2009:

Request No. 1:

Requesting Members: Congressman TERRY EVERETT, Congressman ROBERT B. ADERHOLT. Bill Number: H.R. 2638—Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of Fiscal Year 2009.

Title of Request: Advanced Hypersonic Weapon Technology Demonstration.

Account: Research, Development, Test, and Evaluation—Army, Army Missile Defense Systems Integration (Non Space).

Legal Name of Requesting Entity: Westar Aerospace & Defense Group, Inc.

Address of Requesting Entity: 890 Explorer Boulevard, Huntsville, AL 35806.

Description of Request: The Advanced Hypersonic Weapon (AHW) Technology Demonstrator earmark request is for \$2,400,000. The funding is for the U.S. Army Space and Missile Defense Command to reduce risk and flight test validate critical technologies (hypersonic boost-glide, thermal protection, precision navigation, guidance and control, and secure 2-way in-flight communication) required to enable the successful execution of the emerging USSTRATCOM mission for prompt global strike. TPS technologies are viewed by USSTRATCOM as the key to executing the prompt global strike mission. The prototype C3 capability would provide missile launch command and control associated with flight test demonstration supporting critical test execution and flight safety. As a potential spiral for weaponization, AHW would provide a ground launched forward-deployed mid-term option to destroy time sensitive/high value targets at long distances with a minimal deployment logistics tail.

Request No. 2:

Requesting Member: Congressman TERRY EVERETT.

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

Title of Request: Gunfire Detection System for Unmanned Aerial Vehicles.

Account: Research, Development, Test and Evaluation—Army, Concepts Experimentation Program.

Legal Name of Requesting Entity: Radiance Technologies.

Address of Requesting Entity: 350 Wynn Drive, Huntsville, AL 35805.

Description of Request: The Gunfire Detection System for Unmanned Aerial Vehicles earmark request is for \$800,000. The funding is for a wide angle weapons detection sensor that can detect, classify and locate a variety of weapon fires including Rocket Propelled Grenades (RPGs), MANPADS, small arms, mortars, tanks and artillery. This Weapons Watch (WW) Technology can process these events in near real time (less than a second) and disseminate the information over existing command and control channels immediately. This sensor, detecting from a variety of airborne platforms can cue other sensors or weapon systems to positively identify and neutralize the hostile weapon system. The basic sensor technology has been demonstrated as part of the Overwatch ACTD and has also been deployed to support current operations. At less than 30 pounds, it has flown on both manned and unmanned aircraft proving its ability to accurately detect at extended ranges while on the move. The Army Aviation Center is ready to integrate this technology on both manned and unmanned aircraft to provide both enhanced targeting and aircrew survivability. In concert with AMRDEC (Huntsville), PM UAV (Huntsville) and the Directorate of Combat Developments (Ft. Rucker), the contractor will provide simulation software and WW hardware to the USAAVNC for testing and certification through the Aviation Technical Test Center (AATTC). Aviation experts from both the Wiregrass area and Huntsville will develop the techniques, tactics and procedures to fully employ the capabilities of this system.

Request No. 3:

Requesting Members: Congressman TERRY EVERETT, Congressman ROBERT B. ADERHOLT, Congressman MIKE ROGERS.

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

Title of Request: Space Control Test Capabilities.

Account: Research, Development, Test and Evaluation—Air Force, Counterspace Systems.

Legal Name of Requesting Entity: Davidson Technologies, Inc.

Address of Requesting Entity: 530 Discovery Drive, Huntsville, AL 35806

Description of Request: The Space Control Test Capabilities (SCTC) earmark request is for \$1,600,000. The funding would provide half of the available funds for the final development of a version of SCTC, which will join the already developed closed-form version to give a new combined capability to analyze important transient command/control situations (e.g., satellite outages). The combined version provides both closed-form steady-state and transient-event analysis capabilities, builds upon

Air Force selected analytical engines, and is already in the hands of the users in support of Terminal Fury. The addition completes the required analytical suite. The other half of the funds will be used for tool validation. When completed, the combined SCTC tool is the only tool of its type and caliber in the Air Force analytical inventory. Completion of this combined tool in GFY 2009 is needed to provide quantitative data support for acquisition decisions. The tool will provide decision time-lag and throughout data for combination steady-state and transient situations to quantify performance of alternative system implementations. The Air Force will use these performance predictors to make sound, quantitative-based acquisition decisions for upcoming space systems in areas such as OCS, DCS, SSA and communications now and in the future, providing additional AF funding to enhance operational capabilities as required.

Request No. 4:

Requesting Member: Congressman TERRY EVERETT.

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

Title of Request: Advanced Commercial Technology Insertion for Aviation and Missile Research Development and Engineering.

Account: Research, Development, Test and Evaluation, Army (RDTE, A)—Missile and Rocket Advanced Technology.

Legal Name of Requesting Entity: Aegis Technologies.

Address of Requesting Entity: 631 Discovery Drive, Huntsville, AL.

Description of Request: The Advanced Commercial Technology Insertion for Aviation and Missile Research Development and Engineering earmark funding request is for \$2,400,000. The rapid advance of commercially available technology creates a persistent opportunity to enhance the capabilities and efficiencies of the Army's Laboratories. An investment in infusing state-of-the art technology in the Army's Aviation and Missile Research and Development Engineering Center (AMRDEC) laboratories such as the Advanced Simulation Center (ASC) would provide an immediate return to the Army in the form of the quality and scope of research, development, test and evaluation that can be conducted on behalf of the warfighter.

The earmark funding is to enhance the capabilities and efficiencies of the Army Aviation and Missile Research, Development and Engineering Center (AMRDEC) through a systematic and planned initiative that will: (1) Identify commercially-available cutting edge technology with the potential for enhancing the capabilities and efficiencies of existing and planned AMRDEC laboratories; (2) evaluate competing technologies and products, analyze cost-benefit trade-offs in implementing the technologies, and provide recommendations for implementation; (3) design and plan implementation schedules to introduce the new technology into existing laboratories while minimizing impact to AMRDEC's customers; (4) install new technologies and train operators; and (5) provide support for the technologies as required.

Request No. 5:

Requesting Member: Congressman TERRY EVERETT.

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

Title of Request: Future Tactical Operations Center Hardware/Software Integration.

Account: Research, Development, Test and Evaluation, Army (RDTE, A)—Army Missile Defense Systems Integration (Non Space).

Legal Name of Requesting Entity: Gray Research, Inc.

Address of Requesting Entity: 655 Discovery Drive Suite 300, Huntsville, AL.

Description of Request: The Future Tactical Operations Center Hardware/Software Integration earmark funding request is for \$2,000,000. The funding is for the advancement of these capabilities vital to the current Joint, Interagency and Multinational (JIM) force since many of the technologies that are employed today have no incremental support or upgrade capability in place. This effort will continue to both fill the void in technology enhancements until future Integrated Air and Missile Defense (IAMD) programs are fielded and at the same time provide a test-bed for emerging technology experimentation and TTP/CONOP development.

EARMARK DECLARATION

HON. EDWARD R. ROYCE

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, September 24, 2008

Mr. ROYCE. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of H.R. 2638, the Consolidated Security, Disaster Assistance, and Continuing Appropriations Act:

Requesting Member: Congressman ED ROYCE.

Bill Number: H.R. 2638.

Account: U.S. Army, Research, Development, Test & Evaluation (RDT&E).

Legal Name of Requesting Entity: California State University, Fullerton.

Address: 800 N. State College Boulevard, Fullerton, CA 92831.

Description of Request: This bill provides \$1,600,000 to continue the Prader-Willi Syndrome (PWS) Research project being led by the California State University, Fullerton. Specifically, funding would be used for equipment and supplies (such as indirect calorimeter machine, microarray machine for genome scans, DNA sequencer), and for testing (such as brain and abdominal MRIs; extensive cognitive and behavioral testing; analysis of total energy expenditure) and personnel (lab technicians, nutritionists, psychologists, neuroradiologists, PWS physicians). This funding would allow for the continuation of this vital research on Prader-Willi Syndrome, which will serve as a resource to the Department of Defense for the many military families with children affected by this disorder. More importantly, the research will serve as a resource to the Department for the treatment and study of obesity in general. The strong manifestation of obesity in children with PWS makes it an excellent model. Military health experts have characterized the growing problem of obesity amongst active duty and potential recruits as a national security issue because of its overall impact on the health, performance, and readiness of our armed forces. With 54 percent of military personnel overweight, obesity has been identified

as a public health priority by the surgeons general from the Army, Navy and Air Force. Furthermore, obesity places a significant cost burden on the military and veterans' health care systems. This request is consistent with the intended and authorized purpose of the Army, RDT&E Account and consistent with the DoD mission. This funding will build on the two-year series of studies on PWS and obesity that are already underway. California State University, Fullerton will provide any statutory matching required through institutional sources as well as in-kind contributions of staff time and indirect costs.

Requesting Member: Congressman ED ROYCE.

Bill Number: H.R. 2638.

Account: Military Personnel—Operations & Maintenance.

Legal Name of Requesting Entity: California State University System.

Address of Requesting Entity: 401 Golden Shore, Long Beach, CA 90802-4210.

Description of Request: This bill provides \$1,600,000 for the Strategic Language Initiative. Our nation's defense, diplomatic, and business employers need affordable, accessible strategic language instruction programs. The 5 California State University (CSU) campuses originally comprising the Strategic Language Initiative (SLI) Consortium have worked collaboratively to create an effective model capitalizing on campus language expertise, student heritage language diversity, and local linguistic communities in Arabic, Mandarin, Korean, Persian, and Russian.

No single university has the resources to meet this rapidly changing need for global and regional expertise in a wide range of world languages. National efforts have concentrated on developing flagship programs in languages such as Chinese, Arabic, Russian, and Korean, and creating demonstration materials for offering languages online. This effort provides an opportunity to tap into the diverse heritage language communities in California, home to the densest concentration of linguistic and cultural diversity in the nation. Collectively, the California campuses of the CSU system have collaborated to provide an innovative approach to intensive language learning that can be a model for other metropolitan consortia. These universities serve the most linguistically diverse populations in the country, with large heritage communities near different campuses, and collectively enroll over 100,000 students each year.

Data collected from SLI participants showed an average language development progress that significantly exceeds traditional classroom and course-based program in Arabic, Korean, Mandarin, and Persian. Compared to other models of critical language development, the SLI Model is very cost-efficient and effective in advancing a large group of undergraduate and graduate students through several language proficiency levels across multiple campuses in a relatively short time period, for a fraction of the funding available to other programs. This request would build the programs within the current Consortium, and add CSU campuses. Lessons learned from the current programs will shape the new programs. The legacy of this federal investment will be an instructional model sustained by the CSU system that effectively responds to the national challenge to graduate more professionals with language and cultural knowledge and skills for an increasingly interdependent global world.