

Fiscal Year 2011 Defense Authorizations Requests
Office of United States Senator Mary L. Landrieu
Requests made on April 13, 2010

Project Name	Intended Recipient Location: City/State	Purpose of Project	FY 2011 Request
Advanced Materials for Solar Energy Conversion	University of New Orleans New Orleans, LA	This request will provide funding to develop new materials and photovoltaic cells to generate solar energy conversion with ultrahigh efficiency. This energy then can be used to power devices and sensors for future defense systems, such as satellites, battle field devices and others. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. Potential impact of this request is 180 new jobs.	\$5,000,000
Advanced Monitoring and Protection System (AMPS)	US Army Aviation and Missile Research, Development, Engineering Command - (National Program)	This system will provide real-time situational awareness for chemical and biological releases that could potentially arm hundreds or thousands of people, civilian and armed force personnel, and stop the flow of commercial traffic on our nation's rivers bringing our economy to a sudden halt. This development will provide a laboratory/test bed at Southern University in Baton Rouge, La to provide a realistic testing environment and sensor support infrastructure for our nation; while integrating these sensors together to form a nationally networked sensor grid that can be used by HAZMAT and other rescue personnel. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 15-25 new jobs will be created with this effort.	\$3,500,000

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Advanced Packaging Materials for Combat Rations	DOD Combat Feeding Directorate (CFD) Natick Soldier RD&E Center- (National Program)	<p>The development of advanced, non-foil packaging materials and utilization of innovative MW and EHPP processing techniques will result in the provision of rations with the following beneficial and enhanced qualities: Greater Variety Better Taste More Nutrition Longer Shelf-Life Lower Overall Production Costs Environmentally Friendly Less Volume and Waste Enhanced Safety in a Combat Field Environment. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 189 jobs are anticipated to be created with this effort.</p>	\$1,260,000
Aerospace Network Security Simulator for NextGen	Louisiana Tech University Ruston, LA	<p>This project will enable Louisiana Tech University and its partners to support the USAF and FAA by developing and integrating industry and government aeronautical simulators for cyber security threats in airborne network environments. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 13 jobs will be created with this effort.</p>	\$3,000,000
Air Force Minority Leaders Program	Louisiana State University A&M College, Public institution of Higher Education Baton Rouge	<p>Continued funding for a partnership between a small disadvantaged business and Historically Black Colleges and Universities and Minority Institutions (HBCU/MI) to do research in the areas of materials and aerospace sensors. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 500 jobs will be created with this effort.</p>	\$20,000,000

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Air Force Reserve Command (AFRC) LITENING G4 Upgrade Kits	Air Force Reserve Command- (National Program)	37 additional LITENING G4 Advanced Targeting pod upgrade kits will be provide to AFRC to complete requirement for precision targeting to support training/deployment schedules for Operations in IRAQ & AFGHANISTAN to give them the conduit for tracking & destroying IED's. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 70 jobs will be created with this effort.	\$24,000,000
ANG's A-10 Improved Communications (ARC 210)	Air National Guard (ANG) A- 10 Air Wing, Barksdale Air Force Base, Louisiana	The ANG has identified a need for simultaneous secure line of sight (SLOS) and beyond line of sight (BLOS) capability for A-10s as a Critical Combat Capability. The ARC-210 radio is a standard multiband/mode radio which will fulfill that need. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 10 jobs are anticipated to be created with this effort.	\$6,200,000
Anti-Tamper Research and Development	Louisiana Tech University Ruston, LA	This project will enable Louisiana Tech University and its partner Radiance Technologies to support the development of anti-tamper technologies that will mitigate threats of reverse engineering in defense technologies. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 14 jobs will be created with this effort.	\$5,000,000

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Army Climatic Suit	U.S. Army Research Laboratory, Sensors and Electron Devices Directorate (SEDD) Advanced Technology Integration and Experimentation Team- (National Program)	This project will enable the development of a man-portable, microclimate heating and cooling system in conjunction with Army Research Labs (ARL). The Army Climatic Suit (ACS) is designed to increase combat efficiency by reducing climate related stress and to meet the challenges of combating heat and cold related injuries suffered as a result of extreme temperatures for the individual soldier. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 150 jobs are anticipated to be created with this effort.	\$4,000,000
Biosensors for Defense Application	Tulane University New Orleans, LA	The purpose of the project is to provide Office of Naval Research and other DOD partners the ability to assess and prevent the adverse impacts of environmental pollutants and contaminants on DOD operations & training activities for troops employees & general public. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 32 jobs will be created with this effort.	\$2,500,000
Broad-Spectrum Liquid Battlefield Sterilant and Disinfectant	RDT&E, Army MEDCOM U.S. Army medical Materiel Activity- (National Program)	Project will test, evaluate and license a lightweight, liquid sterilant for use in forward surgical units in war theaters. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated that 5 jobs will be created with this request.	\$4,000,000

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Catalytic Oxidation (CATOX) Integrated Demonstration	Edgewood Chemical Biological Center (ECBC) U.S. Army Research, Development and Engineering Command- (National Program)	This project provides chemical and biological protection to warfighters, first responders, and civilians. CATOX destroys a wide range of toxins in a manner similar to automotive catalytic converters and improves upon current breathing protection systems that rely on charcoal filters to capture and collect toxins. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated that 16 jobs will be created with this request.	\$5,000,000
Civil Support Communications Systems for LA-ARNG UH-60 Aircraft	Louisiana National Guard, Civil Support Communications	While performing their state missions, LA-ARNG Black Hawk aircraft are unable to communicate directly with many civilian first responders. This communication shortfall is due to the fact that LA-ARNG aviation units either have zero or limited civil support radios on their aircraft - - thus the Operational need expressed in 131st NGAUS General Conference, Resolution -ARNG # 1- - Modernization and Sustainment of Army National Guard Aviation, Item N -Digital Reprogramming Civil Support Communication Radio Systems and adequate operational support for OH-58, UH-72, UH-60 and CH-47 aircraft in the ARNG inventory. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated that 4 jobs will be created with this request.	\$3,000,000
Cyber Assurance and Defense Center - CADC	Cyber Innovation Center - 501c3 not-for-profit corporation Bossier City, LA	Louisiana National Guard will provide cyber assurance for State missions, develop the protocol for responding to threats to nonfederal; network infrastructure, and then provide training and cyber defense support to other state civil authorities. The funds requested will be used to: hire and train Guard employees to conduct the activities described below; provide equipment and supplies to support the activities; and provide space at the CIC. It is anticipated that 5 jobs will be created with this request.	\$3,000,000

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Cyber Engineering and Technology Development Center Project	Cyber Innovation Center - 501c3 not-for-profit corporation Bossier City, LA	The requested funding will be utilized to establish initial operation of Cyber Engineering and Technology Transfer Centers at SPAWAR Systems Center (SSC) Atlantic, New Orleans, and the Cyber Innovation Center (CIC), Bossier City, Louisiana. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 50 jobs are anticipated to be created with this request.	\$5,000,000
Cyber Innovation Center - Research and Development Seed Fund	Cyber Innovation Center - 501c3 not-for-profit corporation Bossier City, LA	The Cyber Innovation Center (CIC) Research and Development Seed Fund program provides a mechanism for identifying usable technologies developed in the national labs and vet them with DOD's cyber warfare operators. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated that 50 jobs will be created with this request.	\$5,000,000
Cyber Operations Security Institute (COSI) - Animation and Visual Effects education and research supporting Global Strike Command at Barksdale AFB	LSU Shreveport Shreveport, LA	The LSUS Cyber Operations Security Institute is an innovative partnership between the University and the City of Shreveport and is an interdisciplinary facility supporting the newly-established Global Strike Command at Barksdale Air Force Base. The current activities of COSI are comprised of education, research, and community outreach in Animation and Visual Effects, drawing upon relevant university capability in computer science and information visualization as appropriate. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated that 20 jobs will be created with this request.	\$1,500,000

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Developing Advanced Tracer and Tagging Technologies for the U.S. Army	University of Louisiana at Lafayette Lafayette, Louisiana	This project aims to develop Hybrid Luminescent Ammunition (HLA) so that it can be fielded by the military, to determine cost effective methods to mass manufacture HLA, and to make improvements using nanotechnology to extend HLA into daylight use. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated that 9 jobs will be created with this request.	\$3,000,000
Environmentally Compliant Navy Oiler Demonstration Program	Chief of Naval Operations Office of Strategic Mobility and Global Logistics (OPNAV N42)- (National Program)	This demonstration will create green oilers and definitively resolve the debate over 'buy and buildvs. public/private partnership, fee for service structure in building ships for the US Navy that meet international environmental standards. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 9700 anticipated jobs will be created with this request.	\$20,000,000
Fighting For a More Perfect Union exhibit	Afikim Foundation New York, NY and New Orleans, LA	Working with the Center for Military History and the National WW 2 Museum, this request will develop, produce and place in Army museums, U.S. military facilities and community settings an educational exhibit on the role played by minorities in fighting America's wars. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 20 anticipated jobs will be created with this request.	\$2,000,000

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Force Protection Boats	Office of the Chief of Naval Operations Fleet Readiness Division- (National Program)	Funding is included in the future budget to procure additional force protection boats, however, it is requested that out year funding be accelerated to FY11 to ensure greater protection for fleet assets against asymmetric threats and exploit economies of scale associated with a hot production line. The requested FY11 funding would accelerate production/delivery of additional Force Protection Boats. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 100 jobs are related to this request.	\$7,500,000
Grant Reimbursement for Operation Smile for FY08-funded project Peace Through Healthcare Initiative	Operation Smile Norfolk, VA	This request is for the Department of the Army to grant Operation Smile \$1,149,382.00, the amount that was expended by Operation Smile in expectation of the amount appropriated by Congress in FY08 for the Peace Through Healthcare Initiative. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care.	\$1,149,000
Independent Verification and Validation of Navy Future Pay and Personnel System (FPPS)	Navy PEO-EIS - (National Program)	This project provides an additional layer of oversight, and would allow the Navy to identify design flaws and other issues early so as to avoid unnecessary cost overruns and delays. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 10 new jobs will be created with this allocation.	\$5,000,000

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Integrated Manufacturing Enterprise	RDT&E, Navy Office of Naval Research, Code 361- (National Program)	The proposed project will reduce the cost of Navy shipbuilding as well as other production/overhaul functions in the DoD, through the application of best practices and techniques developed under the subject program over the past several years. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 10 new jobs will be created with this allocation.	\$5,000,000
Joint Range Extension (JRE) for Barksdale Air Force Base	United States Air Force - 540th Air Craft Sustainment Squadron - (National Program)	Joint Range Extension (JRE) will upgrade tactical data link interoperability for the entire fleet of B-52's and significantly improve critical situational awareness of both friendly and enemy forces, ensuring bombs are delivered with precision. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 2 new jobs will be created with this allocation.	\$3,000,000
Liquid Propulsion Technology	US army -Space missile Defense command-technical center-space and cyberspace technology directorate-responsive space division - (National Program)	This project allows for the enhanced testing of multi fuel engines and development of co-tank technology for hydrocarbon fuels Establishment of Engineering offices at East New Orleans, Establishment of Engine Test Stand, Calibration firings on Multiple Hydrocarbons, Design of cotank systems, test of Cotank systems. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 25 jobs are anticipated to be created with this initiative.	\$5,000,000

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Long Range Strike (LRS)	Global Strike Command - Barksdale Air Force Base - (National Program)	Long range strike is a critical mission in which the United States needs to retain a credible and dominant capability in order to hedge against being unable to obtain access to forward bases for political reasons, respond quickly to contingencies, base outside the reach of emerging adversary anti-access and are-denial capabilities and impose disproportionate defensive cost on prospective adversaries. The commanders of the U.S. Strategic Command, Pacific Command and Joint Forces Command have all testified that the capability a next generation long range strike system would provide will be needed in the future to sustain worldwide strategic access in the face of continued proliferation of anti-access weapons. Nearly half of the United States bomber aircraft inventory pre-dates the Cuban Missile Crisis and are the only air-breathing strike platforms the United States possesses today with reach and survivability to have a chance of successfully executing more than 1,000 nautical miles into enemy territory from the last air-to-air refueling.	\$198,960,000
LPD 27 (Long Lead Time Material (LLTM), Material and Advance Planning)	Program Executive Office (PEO) Ships - (National Program)	The requested funding will ensure start of LPD 27 in 2012 through placement of long lead time material orders. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 2200 jobs are related to this initiative.	\$180,000,000
LUH-72A Synthetic Flight Training System (SFTS)	Louisiana National Guard	This request is for support to add \$8.8M to Aircraft Procurement, Army, line No. 8, Helicopter, Light Utility (LUH), to conduct a demonstration of the enhanced flight training capabilities of the Synthetic Flight Training System (SFTS) at Pineville, LA, with the Louisiana Army National Guard.	\$8,800,000

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Manufacturing Capability for Navy Flares and Explosives	RDT&E, Navy Office of Naval Research, Code 351 - (National Program)	The program is intended to develop a full capability production facility for energetic materials using the advanced twin-screw extruder technology. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 80 jobs are anticipated to be created with this request.	\$4,000,000
M-Gator	Louisiana National Guard	The purpose is to acquire M-Gator tactical utility vehicles for the Louisiana Army National Guard to fill a critical requirement for equipment that provides a unique capability that doesn't exist in the Army's inventory. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care.	\$3,500,000
Military Nutrition Research: Four Tasks to Address Personnel Readiness and Warfighter Performance	Pennington Biomedical Research Center Baton Rouge, LA	This funding is requested for ongoing research to continue the Army's responsibility for military nutrition research across all branches of military service. The work focuses on the improvement of health and performance of the American Armed Forces. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 40 jobs are anticipated to be created with this request.	\$3,000,000

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NASIC Cyber Threat Analysis	National Air and Space Intelligence Center, Space and Missiles Group - (National Program)	This effort will also focus on developing methods and techniques to covertly exploit foreign spyware and network bots for the good of the US. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 30 jobs will be created with this effort.	\$5,000,000
National World War II Museum Expansion project	The National WWII Museum, Inc. New Orleans, Louisiana	This project request is a \$30 million Defense Authorization and Appropriations request primarily for the design and construction of the U.S. Freedom Pavilion and its exhibitions as well as related structures for the overall museum. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 3818 jobs are anticipated with this program.	\$30,000,000
Navy YP Training Patrol Craft replacement	Department of the Navy Naval Sea Systems Command (NAVSEA) NAVSEA/PEO Ships - (National Program)	The Navy has an ongoing program to replace the US Naval Academy's aged fleet of 28 wooden hull YP Training Patrol Craft. This request will allow these boats to be built to a Louisiana design in Louisiana. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 1350 jobs will be created with this program.	\$76,800,000

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Navy, High Speed Acoustic Research Support/Security Vessel	Department of the Navy Naval Undersea Warfare Center Division - (National Program)	This appropriation and authorization request is \$13.5 million for 1 High Speed Research Support and Security Craft for the NUWC. It is anticipated that the priority need for this vessel is for NUWC's Keyport, Washington Center to be purchased from the GSA schedule. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 140 jobs are associated with this request.	\$13,500,000
Precision Delivery Sensor System (PDSS)	Department of the Air Force Munitions Directorate, AFRL - (National Program)	Develop the capability to use a miniature parafoil system to precisely and repeatedly deliver unattended, ground sensors to specific locations. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 10 jobs will be created with this request.	\$3,000,000
Public-Private Partnership for Conventional Weapons Demilitarization	U.S. Army RDECOM-ARDEC, (Camp Minden, LA)	This project provides critical technology, infrastructure and production capability, urgently needed by the U.S. Army, to decrease the size of the conventional weapons demilitarization stockpile. This public-private partnership is the first of its kind in the U.S. Funding will be used to demonstrate innovative demilitarization techniques for munitions currently not in process at U.S Army depots, or included in commercial contracts, due to the need for additional technology development. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 40 jobs are associated with this request.	\$9,000,000

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Research and Development Initiative: Capacity Building for Stronger National Defense with Greater Diversity	Thurgood Marshall College Fund - (National Program)	This DOD Initiative will significantly boost the ability to deliver quality education programs, enhance supplemental learning opportunities and increase services to Public Historically Black Colleges & Universities and students across the nation. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 100 jobs are associated with this request.	\$8,000,000
SAVE '11 (Small Assault Vessel Expeditionary)	USSOCOM SORDAC-ST - (National Program)	This project will allow the development of a new capability for Naval Special Warfare Maritime Mobility. Program Description: USSOCOM has an un-funded requirement for a small, fast, highly maneuverable surface craft to perform multiple roles in denied environments. The Small Assault Vessel Expeditionary (SAVE) fills the current capability gap in Naval Special Warfare Maritime Mobility, by providing an inexpensive yet high performance and safe platform for the NSW operators. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 37 jobs will be created with this allocation.	\$2,400,000
Sonobuoy Wave Energy Module (SWEM)	Program Executive Office for Air ASW, Assault & Special Missions Program (PMA-264) - (National Program)	The Sonobuoy Wave Energy Module (SWEM) is a new technology being developed by QNA with support from UNO to extend the life of ocean sensing sonobuoy systems by converting ocean wave motions into electrical power. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated 10 jobs will be created with this allocation.	\$6,500,000

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Southeastern Louisiana Integrated Command Operations Program (ICOP)	Plaquemines Parish Sheriff's Office The program would be executed by ARDEC out of Picatinny Arsenal in Picatinny, NJ. Capabilities would be deployed in the State of Louisiana.	The US Army is executing a program called Project National Shield (PNS). This program addresses the ability of the Army to meet its civil support mission and to provide critical components of homeland defense to processes protocols and improve the ability to communicate with Federal (Army), State and local jurisdictions as it relates to local first responders. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 3 new jobs are associated with this request.	\$4,500,000
SPAWAR Systems Center (SSC/ITC), Atlantic New Orleans, Navy	SPAWAR SSC/ITC Atlantic (New Orleans) New Orleans, Louisiana	Funding is requested for the SSC Atlantic New Orleans for sustaining critical joint Navy/university information systems research and technology transfer, in partnership with the University of New Orleans and local small business information technology companies. Funding will finalize the modernization of the current operations environment at the SSC/ITC which began in FY2010. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 515 new jobs are associated with this request.	\$20,000,000
Technology Insertion for Army Aviation Legacy Systems	U.S. Army, AMRDEC Engineering Directorate – Manufacturing Science and Technology Division - (National Program)	The proposed project will create an engineering capability to address both sustainment and performance-based technology insertion requirements under the direction of the Army Aviation and Missile Research Development and Engineering Center. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 30 new jobs are associated with this request.	\$5,000,000

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The U.S. Navy Cancer Vaccine Program	The Sallie Astor Burdine Breast Foundation, Baton Rouge, LA	The US Navy Cancer Vaccine Program has been a tremendous success story for military medicine. Funding has now been obtained for all clinical trials needed to obtain FDA approval of a prostate cancer vaccine. Military health officials now believe that this success can be leveraged into the development of a breast cancer vaccine for US Military personnel and their dependants. This new phase of the US Navy Cancer Vaccine Program will focus specifically on manufacturing tumor antigen CA 125 and CA 15-3, which are required for the breast cancer vaccine and will create 15 new jobs in Baton Rouge, LA. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care.	\$4,000,000
Total Spectrum Dominance Using Cognitive Radio/Radar/Jamming Technologies	RYRE Branch (Electronic Warfare Techniques Development and Analysis Branch) - (National Program)	The proposed program will provide our military with Total Spectrum Dominance by using advanced cognitive radio/radar/jamming technologies. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated this program will create 10 new jobs.	\$1,200,000
Total Spectrum Using Cognitive Technologies	RYRE Branch (Electronic Warfare Techniques Development and Analysis Branch) - (National Program)	To provide our military with Spectrum Dominance by using advanced cognitive radio/radar/jamming technologies. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. It is anticipated this program will create 10 new jobs.	\$1,200,000

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Training Range Modernization utilizing Thermal Live Fire Tracking with Virtual Targetry	Louisiana National Guard	The purpose of this project is to modernize aged MOUT training methods and systems for National Guard Warriors with state-of-the-art thermal live fire training for MOUT operations. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 2 new jobs are associated with this request.	\$1,500,000
Unmanned Undersea Vehicle (UUV) submerged long range positioning	The Naval Research Laboratory, Stennis Space Center	The accuracy and repeatability of Unmanned Undersea Vehicle (UUV) positioning during submerged long endurance missions are largely unknown. FY 11 funds will be used for additional Sea Trial analysis, and will include: 1) quantifying the benefits of integrating GPS fixes at various time intervals; 2) quantifying the benefits of employing navigation aiding transponders; 3) experimentation with varying mission patterns to measure the effect of UUV maneuvers on positioning accuracy; 4) testing terrain matching techniques to analyze UUV navigation error and its value for positional aiding. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 6 jobs are associated with this request.	\$1,200,000
Weight Measurements and Standards for Military Personnel	Pennington Biomedical Research Center Baton Rouge, LA	This project continues the research with Reservists assigned to the 94th Regional Readiness Command with the purpose of developing an environmental/internet based intervention to improve the conditioning and physical performance the soldiers. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 21 jobs are associated with this request.	\$3,000,000

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Project Name	Intended Recipient Location: City/State	Purpose of Project	FY 2011 Request
YT replacement Naval Tugs	Department of the Navy Naval Sea Systems Command (NAVSEA) NAVSEA/PEO Ships - (National Program)	The Navy has an ongoing program and stated requirement for 10 additional YT Tugs for safety and mission requirements in support of the fleet to replace aged tugs at East coast Naval bases. The average cost is \$ 10.5 million each. This project request is \$ 21 million for FY 2011 to procure two YT class 40 ton bollard pull tugs via the GSA schedule. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 527 jobs are associated with this request.	\$21,000,000
Zeolite Development for JP8 Production	Office of Logistics Operations & Readiness Defense Logistics Agency (DLA) - (National Program)	To provide the ability to domestically produce zeolites which are currently imported from India. Zeolites are critical components to be used in the catalytic production JP8 biofuel. This investment is in the interest of taxpayers because it supports strong national security and defense through either research and development, weapon system procurement, educational development, or improved military health care. 25 jobs are associated with this request.	\$6,600,000