Project Title: Regional Transportation Management System, San Diego, CA

Organization: San Diego Association of Governments

Amount: $3,500,000

Address: 401 B Street, Suite 800, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: The Regional Transportation Management System (RTMS) network was constructed to accommodate all of the fixed route buses operating in the region. Installations have been completed at NCTD and San Diego Transit, but funding has been insufficient to install the equipment on the 275 MTS-owned buses operated by MTS contractors.

Project Title: University of California, San Diego Student Free Clinic Project, San Diego, CA

Organization: The University of California, San Diego

Amount: $720,000

Address: 9500 Gilman Dr. #0696, San Diego, CA 92037

Purpose of funding/How it is a valuable use of taxpayer funds: This funding will go to support the University of California, San Diego's teaching community health clinics that provide free health care to low-income residents. This proposal provides several benefits that merit the use of taxpayer dollars, such as increasing numbers of working Americans, and the newly unemployed, face the prospect of trying to manage a chronic disease (high blood pressure, asthma, diabetes, etc.) or otherwise obtain access to primary care. By addressing the access issue, this proposal helps these individuals maintain their health so that they can remain employed and contributing to the tax base. It also keeps them out of emergency rooms (the most expensive place to receive care); thereby saving taxpayer resources. Finally, it trains the next generation of health care practitioners in a diverse, demanding environment that provides exposure to a wide range of diseases and conditions. Students also learn successful business practices, as they actively manage the clinic environment and work with a multidisciplinary team that includes the community.

Project Title: Vesta Street Overpass, San Diego, CA

Organization: San Diego Unified Port District

Amount: $5,000,000

Address: 3165 Pacific Highway, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Naval Base San Diego is located on San Diego Bay in the heart of the Working Waterfront, between the Port of San Diego's two marine terminals, the Tenth Avenue Marine Terminal in San Diego and the National City Marine Terminal. Naval Base San Diego is bisected north by south by Harbor Drive and the San Diego Trolley and Freight Rail alignment. This bisection is responsible for very heavy traffic congestion on surface streets connecting the two sides of the base separated by the Harbor Drive/Railroad corridor. The proposed project, a four lane

bridge over Harbor Drive, and the rail corridor, connecting the two sides of the base at Vesta Street would alleviate this congestion. This project would also enable a separate project connecting Harbor Drive to I-15 via an elevated on-ramp at 32nd Street. Once this project is completed the internal circulation of the Naval bases traffic can be simplified by the elimination of the need for base personnel to travel through multiple security check points in the normal course of their work day. The Vesta bridge project will save the Naval Base personnel's time, enhance security, and create additional space for the other mission critical base operations. This project and three other grade separation and intersection improvements are part of Freeway Access Enhancement Program for the Port of San Diego's working waterfront area. The completion of the Vesta Street overpass is key to the overall implementation of the Port area Freeway access program.

Project Title: San Diego County Regional Gang Enforcement Collaborative

Organization: County of San Diego, Sheriff's Department

Amount: $629,400

Address: 9621 Ridgehaven Court, San Diego, CA 92123

Purpose of funding/How it is a valuable use of taxpayer funds: The goal of the proposed program is to demonstrate that the implementation and replication of the North County Gang Enforcement Collaborative (NCGEC), focused on cooperation and communication among street-level officers from numerous different law enforcement jurisdictions, can successfully reduce violent crime, gangs, and any activity or enterprise that will result in violent crime and gang violence in the targeted region. The model includes monthly suppression operations; monthly meetings; and a standardized system for data collection and information sharing within and among agencies. The use of technology during operations to retrieve and send information through the Law Enforcement Communication Center (LECC) will provide instantaneous sharing of critical information between field units and nationwide fusion centers.

Project Title: San Diego Crime Lab Technology

Organization: City of San Diego, California

Amount: $265,000

Address: 202 C Street, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will be used for equipment acquisition costs for technology enhancements in the San Diego Police Department Crime Laboratory (SDPD Crime Lab), to increase the cost-efficiency and effectiveness of forensic science work, including latent print identification, chemical analysis, and digital photography. This equipment will significantly increase the efficiency and cost-effectiveness of law enforcement forensic investigative and analysis work, both saving money and improving outcomes.

Project Title: San Diego Public Facilities Americans with Disabilities Act Compliance, San Diego, CA

Organization: City of San Diego

Amount: $500,000

Address: 202 C Street, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Federal funding is sought to help bring public facilities in San Diego's historic Balboa Park district into compliance with the Americans with Disabilities Act (ADA). With many of its buildings on the National Register of Historic Places, Balboa Park is among the nation's largest urban cultural parks, encompassing 15 museums and other attractions across more than 1,000 acres, and hosting more than 10 million visitors each year from around the world. Balboa Park is central to the San Diego tourism economy. However, due to budget constraints and volume of needed improvements, the City has been unable to afford capital and infrastructure upgrades to correct remaining problems, such as interior building access modifications, pedestrian surfacing and accessibility, barrier-free walkways, restrooms, and other physical accommodations.

With many of its buildings on the National Register of Historic Places, Balboa Park is among the nation's largest urban cultural parks, encompassing 15 museums and other attractions across more than 1,000 acres, and hosting more than 10 million visitors each year from around the world. In addition, Balboa Park is central to the San Diego tourism economy.

Project Title: Science Education for Low-Income, Urban Youth, San Diego, CA

Organization: Aquatic Adventures Science Education Foundation

Amount: $300,000

Address: 2211 Pacific Beach Drive, San Diego, CA 92109

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will provide science and environmental education services in classrooms and through after-school programs to school-aged children – at a highly efficient cost per educational hour per student. The United States is falling behind when it comes to education in the sciences. There is a national interest in remaining competitive in this important field. The Aquatic Adventures Science Education Foundation's programs will inspire children to pursue educations in the sciences while encouraging students from disadvantaged backgrounds to go to college.

Project Title: Scripps Mercy Emergency Services Expansion Initiative, San Diego, CA

Organization: Scripps Mercy Hospital

Amount: $1,000,000

Address: 4077 5th Avenue, San Diego, CA 92103

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will go toward expanding the Emergency Department at Scripps Mercy Hospital. This expansion is a valuable use of taxpayer funds because it will allow one of the key medical facilities in the region to more quickly and effectively serve patients. Once the expansion is complete and the new technology is in place, the result will be shorter waiting times, improved care, and more saved lives.

Project Title: Senior Community Centers of San Diego NORC, San Diego, CA

Organization: Senior Community Centers of San Diego

Amount: $300,000

Address: 525 14th Street, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will provide social service case management, housing assistance, mental and physical health assessments, counseling, education, and referrals to seniors in need.. It is valuable use of taxpayer funds because it is a proactive approach to health and wellness on the front end can save thousands of dollars on the back end medical costs and the expense of caring for seniors who have been institutionalized prematurely. This project will provide education and assistance to seniors who, with moderate intervention, can continue to live independently much longer than they would have without our help. Our goal is to empower seniors to take charge of their own wellbeing and to be informed consumers with knowledge of the options available to help them age successfully in our community. From an organizational standpoint, because of our extensive community partnerships and innovative collaborations, we are not duplicating efforts and asking for funds to do what others are already doing.

Project Title: Advanced Energy Storage Technologies for UUVs

Organization: General Atomics

Amount: $3,000,000

Address: 3550 General Atomics Court, San Diego, CA 92121

Purpose of funding/How this project is a valuable use of taxpayer funds: The purpose of this project is development of advanced energy storage and propulsion technologies for use in unmanned vehicles with the goal of developing a system with a high endurance, extended range capability, and short term high speed for pursuit purposes. This capability, which will work in a range of UUV sizes, as called for in the Navy's UUV Master Plan, will be used in Anti-Submarine Warfare, ISR and MCM missions. This will allow the Navy to provide assets to meet the growing international maritime threats of the future in a covert manner and increase the detection of potential enemies. Taxpayers benefit by significantly increasing the range, endurance and capability of unmanned underwater vehicles. Many missions once relegated to the more expensive submarine deployments can be accomplished by UUV's through this development effort at a fraction of the cost without jeopardizing submarine crews.

Project Title: Advanced Nanoscale Tungsten Kinetic Energy Composites

Organization: San Diego State University Research Foundation

Amount: $2,000,000

Address: 5250 Campanile Drive, San Diego, CA 92182

Purpose of project/How it is a valuable use of taxpayer funds: The purpose of this project is to conduct advanced research in collaboration with the Army Research Laboratory in the field of Advanced Nanoscale Tungsten Kinetic Energy Composites. An academic-industry-government partnership will be formed including San Diego State University, Universities of California San Diego and Davis, General Atomics, and other local industry in collaboration with the Army Research Laboratory to conduct advanced research in the use of nanoscale tungsten kinetic energy composites. Through this research, more capable munitions will be provided to forward deployed military personnel, provide increased stand-off protection by creating products tailored to specific Army applications and most importantly, protecting our service members at war.

Project Title: Airborne Aquatic Detection Sensor System

Organization: Brainlike, Inc.

Amount: $1,200,000

Address: 1081 Camino del Rio South, Suite 209, San Diego, CA 92108

Purpose of funding/How this project is a valuable use of taxpayer funds: This project will help the Navy address their need to mitigate damage to whales while at sea. Unfortunately, current methods of using human observers with binoculars are ineffective, dangerous, and arcane. Through the use of sensor technology, Brainlike Surveillance is assisting the Navy to develop an aerial platform that supports the detection and classification of marine mammals. An aerial platform which incorporates Brainlike Surveillance's state of the art sensors gives the Navy the tools needed to address the Navy's ongoing whale detection problem.

This project is a valuable use of the taxpayer funds for several reasons. First, taxpayers deserve a Navy that is well trained and able to conduct all of the sonar tests necessary to ensure the full protection and security of the United States. Second, taxpayers deserve to know that the Navy's use of sonar during training exercises does not damage or adversely impact local marine mammal life. Third, the San Diego region deserves an opportunity to have access to the high-tech and blue color jobs that will be created as a result of further funding Brainlike Surveillance's whale detection project. Finally, this project offers a low cost, clean, effective, practical, and necessary whale detection radar system in support of the Navy's critical worldwide mission.

Project Title: ALTER & ADD TO MARINE MAMMAL SURGICAL

Organization: Naval Base Point Loma

Amount: $2,470,000

Address: 140 Sylvester Road, San Diego, CA 92106

Purpose of funding/How it is a valuable use of taxpayer funds: The project is in the Future Year Defense Program and is required to improve the functional capabilities of the existing marine mammal surgery suite and the procedures room. A pharmacy room, necrosy room and tissue archive room will be added. SECNAV instructions require the highest quality care for marine mammals. An additional 1,260 square feet of space is required to provide improved functionality for the surgery suite, additional

office spaces, a support pharmacy, a necropsy room and a tissue archive room. Improvements are needed to support new equipment required for diagnostic imaging and patient monitoring and support.

The current facility configuration is obsolete as its design and size are restrictive. No mechanical lift is provided for animal movement. Environmental controls are inadequate, and components are antiquated. Maintenance fails IDC standards. If not approved, veterinary care standards for Navy marine mammals will continue to be less than adequate and be met only by substantial work-arounds. Supporting equipment will continue to be inadequate as will environmental controls. Antiquated components will fail due to age and physical stress. Maintenance will continue to fail IDC standards.

Project Title: Aquaculture, CA, TX, FL

Organization: Hubbs SeaWorld Research Institute

Amount: $747,000

Address: 2595 Ingraham Street, San Diego, CA 92109

Purpose of funding/How it is a valuable use of taxpayer funds: Working in direct collaboration with the National Marine Fisheries Service, the CA Department of Fish and Game and the University of California, HSWRI will continue to develop farming practices for ecologically appropriate and economically important marine species that may be farmed to complement the local supply of seafood and stimulate a faltering commercial fishing industry. Additional research will be conducted to evaluate the potential impacts of that production on the environment. Few things are as basic as food to the well-being and security of our nation's populace. The proposed research fulfills the needs of our citizens while stimulating our local economy by providing new jobs in our country rather than in countries from which we would have to import more seafood.

Project Title: Army/Joint STARS Surveillance and Control Data Link (SCDL) Technology Refresh

Organization: Cubic Defense Applications

Amount: $5,000,000

Address: PO Box 85587, San Diego, CA 92186

Purpose of funding/How it is a valuable use of taxpayer funds: The JSTARS Surveillance and Control Data Link (SCDL) provides critical information to US ground troops. The SCDL has performed over 40,000 combat hours in Iraq and Afghanistan through September 1, 2008. Sustainment of the fielded JSTARS SCDL equipment requires occasional repairs and replacements that are now threatened by the end of life and disappearance of critical components. The SCDL technology refresh will update its design to use modern components, eliminating over 500 parts now on the threatened obsolescence list. A secondary wideband CDL data link will be embedded in the SCDL equipment as this tech refresh is being implemented to enhance capability.

The Joint STARS Surveillance and Control Data Link has provided reliable, anti-jam broadcast of Joint STARS synthetic aperture radar imagery (SAR) and moving-target indicator information (MTI) since the first Gulf War, and has proven invaluable in maintaining an accurate, real-time picture of the battlefield.

Coalition UK forces also use the SCDL. Sustainment of the fielded SCDL equipment requires occasional repairs and replacements that are now threatened by the end of life and disappearance of critical components. Frequent re-engineering will be required to integrate replacement parts into the 1980s design. The SCDL technology refresh will update its design to use modern components. A secondary wideband CDL data link will be embedded in the SCDL equipment as this tech refresh is being implemented to enhance capability. Refreshing SCDL technology will save an estimated $30M by 2018, as compared with piecemeal re-engineering.

Project Title: Autonomous Machine Vision for Mapping and Investigation of Remote Sites

Organization: Vision Robotics Corp

Amount: $2,250,000

Address: 11722 Sorrento Valley Road Suite H San Diego, CA 92121

Purpose of funding/How this project is a valuable use of taxpayer funds: The technology developed by this funding will enable Unmanned Ground Vehicles to operate autonomously or with limited input from an operator. This system will allow DOD robots to undertake recon and surveillance missions with greater intelligence gathering abilities and without the risk injuries and deaths to our men and women in uniform. These robots will allow greater ability to search caves, houses, and bunkers. Fewer injuries and deaths to our service men and women mean less expense for the taxpayer to provide disability and death benefits.

Project Title: California Marine Fisheries Replenishment Program

Organization: Hubbs SeaWorld Research Institute

Amount: $858,000

Address: 2595 Ingraham Street, San Diego, CA 92109

Purpose of funding/How it is a valuable use of taxpayer funds: Wild marine fish populations have been diminished and cannot support the growing demand for seafood, which is expected to increase another 1.4 million metric tons by the year 2025. The U.S. marine sportfishing industry represents a $30 billion contribution to our national economy by supporting almost 300,000 jobs and generating more than $2 billion in federal tax revenues (with California ranking #2 in its contribution to that economic value). Considering the significant contribution to the economy, the food supply and our citizens' quality of life, it is important that we maintain the vitality of the fishing resource upon which these important industries are completely reliant. This project will work to expand our ongoing research in areas of marine fish culture, post-release assessment of survival, and assessment of potential environmental impacts, genetics and fish health.

San Diego has one of the largest sportfishing fleets in the nation and supports a wide diversity of recreational angler activities. From long range boats seeking open ocean, highly migratory species to near-shore angling for coastal reef species, San Diego affords anglers and commercial fishermen a diversity of fishing opportunities. The proposed research will benefit commercial and recreational fishermen by replenishing depleted stocks of economically important species native to California waters. Management agencies will benefit from the results because this project is the most comprehensive marine replenishment program in the country and is already serving as a template for programs in other regions. In that regard, it

is the closest to evaluating the true efficacy of fisheries replenishment as a management tool for marine finfish. Scientists will benefit from the year-round supply of eggs that are routinely used for a variety of basic and applied research projects such as fish physiology, nutrition and health.
Scientists can also use the release program as a biological probe into ecosystem related questions such as localized carrying capacity. Finally, the aquaculture industry will benefit from the technologies that are developed to culture the fish. An expanded aquaculture industry can be used to help take pressure off wild fisheries and provide a new source of income for displaced fishermen and a new industry for California. San Diego is known as a center for biological innovation and the proposed research reinforces that reputation.

Project Title: California Small Business Loan Guarantee Program

Organization: State of California, Business, Transportation and Housing Agency

Amount: Language Request

Address:
980 9th St.
Suite 2450
Sacramento, CA 98514

Purpose of project/How this project is a valuable use of taxpayer funds: Permitting the use of a grant and program income totaling $4.8 million on hand at the state of California to recapitalize the California Small Business Loan Guarantee Program (SBLGP) will allow the state to expand lending to small businesses. This will give the state's small businesses up to $50 million in loans that would otherwise not be available.

This is a valuable use of taxpayer funds because the current economic climate has greatly reduced lending to small businesses. Permitting the state of California to recapitalize its SBLGP will greatly increase the amount of credit available to small businesses.

The California Small Business Loan Guarantee Program (SBLGP) provides guarantees for loans made by non-profit Financial Development Corporation (FDCs) to small businesses, thereby leveraging guarantee capital. Under state regulations, a FDC can lend to small businesses up to $5 for each dollar in loan guarantees. In 2007, the 10 FDC in the state of California made more that 1,300 loans to small businesses working in low income communities.

Project Title: California Small Business Loan Guarantee Program

Organization: State of California, Business, Transportation and Housing Agency

Amount: Language Request

Address:
980 9th St.
Suite 2450
Sacramento, CA 98514

Purpose of project/How this project is a valuable use of taxpayer funds: Providing $5 million for California's Small Business Loan Guarantee Program (SBLGP) gives the state's small businesses a chance to get up to $25 million in loans that would otherwise not be available.

This is a valuable use of taxpayer funds because the current economic climate has greatly reduced lending to small businesses. Providing additional funding to California's SBLGP will greatly increase the amount of credit available to small businesses.

The California Small Business Loan Guarantee Program (SBLGP) provides guarantees for loans made by non-profit Financial Development Corporation (FDCs) to small businesses, thereby leveraging guarantee capital. Under state regulations, a FDC can lend to small businesses up to $5 for each dollar in loan guarantees. In 2007, the 10 FDC in the state of California made more that 1,300 loans to small businesses working in low income communities.

Project Title: Center for Commercialization of Advanced Technology

Organization: San Diego State University Research Foundation

Amount: $3,000,000

Address: 5250 Campanile Drive, San Diego, CA 92182

Purpose of funding/How it is a valuable use of taxpayer funds: The CCAT program continues to be an effective and efficient technology transition program. It is unique in that it takes a holistic approach to promote a more rapid transition of advanced technologies to the marketplace. The program has provided a return on investment of approximately 7 to 1 and has a success rate in advancing technologies along the commercialization pathway of over 50%. Other technology transition and commercialization programs including the SBIR have significantly less success rates.

From July 2001 through December 2008, CCAT has conducted 31 nationwide solicitations, evaluated over 1000 applications, and selected 174 technologies for transition/commercialization service, including market studies, business plans, commercialization planning, and product development grants. Several technologies are currently in use in-theatre (e.g., Iraq/Afghanistan), seven new companies have been formed, nine companies acquired, and 21 license agreements initiated, resulting in $214.4 million consisting of product sales ($61.1M), third party investments ($134.8M), and mergers ($18.5M). The estimated programmatic return on investment is 7.7 to 1. Approximately 51% of the CCAT clients have attained significant milestone advancement toward and/or achieved commercialization. In addition, there are 15 promising CCAT technologies in the pipeline offering military and HL defense solutions with new ones being added through additional nationwide competitive solicitations.

Project Title: Chollas Creek Ecosystem

Organization: City of San Diego, California

Amount: $250,000

Address: 202 C Street, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Federal funding will be used for environmental and ecosystem restoration of Chollas Creek, including the removal of trash, sediment and non-native plants, revegetation with native species, and habitat enhancement. Urbanization has thrown the Creek system in disequilibrium, apparent by severe stream degradation and channel instability. The U.S. EPA has identified it as an "impaired" water body due to high levels of cadmium, copper, lead, zinc, and other toxicity. Restoring one of the region's most impaired waterbodies will revitalize a local ecosystem for future generations. It will also reduce contaminants into the local water system, restore natural hydraulic and vegetation conditions, and initiate steps towards a sustainable long-term ecosystem monitoring program. This will prevent future need for taxpayer funds necessary to correct an increasingly complicated water resource and water quality problem.

Project Title: CITY OF CORONADO, CA (TRANSBAY PIPELINE)

Organization: City of Coronado, California

Amount: $2,500,000

Address: 1825 Strand Way, Coronado, CA 92118

Purpose of funding/How it is a valuable use of taxpayer funds: The City of Coronado, CA (Tranbay Wastewater Project) has a significant impact, both on the region and nationally. The old Transbay sewage line moved over 3 million gallons of wastewater and raw sewage a day under the San Diego Bay. The line also supported the sanitary needs of the US Navy stationed both at Naval Air Station North Island and the Naval Amphibious Base on Coronado. After years of use and degradation, the line needed to be replaced in order to continue serving the residents of Coronado, as well as the Federal customer, the US Navy.

City of Coronado has substantially reduced their existing sewer and wastewater fund to pay for project. City seeks reimbursement for Federal share of project, which is 75%.

Project Title: College Avenue Scholarship Program, San Diego, CA

Organization: The City Heights Educational Collaborative

Amount: $165,000

Address: 4283 El Cajon Blvd. #100, San Diego, CA 92105

Purpose of funding/How it is a valuable use of taxpayer funds: The purpose of the funding is to create a scholarship program to motivate students and to increase the number entering post-secondary study as part of the *City Heights College Avenue Compact.* This project is a valuable use of taxpayer funds because the College Avenue Compact Scholarship Program will help reduce financial barriers for students, almost all of whom come from underrepresented populations in college, to a enroll and become successful in post-secondary study. The community of City Heights will benefit as will the total community of San Diego. This support, as it translates into graduates with higher degrees of education, will be of benefit in a number of ways including the well-known finding that the higher the degree of education, the higher correlation with better wages and career success, which can translate into a larger tax base.

Project Title: Community Health Clinic Construction, San Diego, CA

Organization: La Maestra Community Health Centers

Amount: $560,000

Address: 4185 Fairmount Avenue, San Diego, CA 92105

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will go toward construction of a 3-story, 34,660 square foot "green" healthcare facility in City Heights to meet the growing demand for affordable, comprehensive healthcare services to San Diego's low-income community. La Maestra has been experiencing a 20% annual increase in patient volume over the past five years and needs additional space. Programs that are currently in operation and will be expanded in the new facility include pediatrics, obstetrician and gynecology, geriatrics, mental health, oral health, telemedicine, insurance eligibility assistance, job training and placement, financial literacy, transportation, translation and case management services. This project is a good use of taxpayer funds because it is in the interest of the community to have accessible, low-cost health care available.

Project Title: CONSTRUCT MARINE MAMMAL PIER

Organization: Naval Base Point Loma

Amount: $1,900,000

Address: 140 Sylvester Road, San Diego, CA 92106

Purpose of funding/How it is a valuable use of taxpayer funds: This project (P511) constructs a new pier to provide the EOD Marine Mammal Unit (EODMU) access to the floating marine mammal pens which are anchored off the shore in San Diego Bay. The existing mammal pier, which is in poor condition, is located on a geologic slip fault. The pier is moving and sinking as the underlying land shifts. The EODMU at Naval Base Point Loma conducts marine mammal training and care between EOD mammal deployments. Marine mammals returning from deployment are medically evaluated and operationally re-trained at this facility. If the project is not funded, the EODMU will have increasing difficulty in meeting their mission requirement of training the mammals. The pier will continue to deteriorate to a level that will adversely affect operations and increase the risk of injury to both personnel and the mammals.

Project Title: Critical Language Training

Organization: San Diego State University Research Foundation

Amount: $2,000,000

Address: 5250 Campanile Drive San Diego, CA 92182

Purpose of funding/How this project is a valuable use of taxpayer funds: With ongoing military operations in Iraq, Afghanistan, and elsewhere, there is an increasing demand from the military for personnel trained in critical languages at the advanced to distinguished (near native) levels. This is critical

particularly for military personnel deployed to areas where military-civilian interaction is an integral part of military operations. Moreover, these key personnel (translators, interpreters, etc) need to have training in local customs, cultures, the religions, and socio-economic information to enhance their effectiveness and mitigate the risk of inadvertent confrontations. To address this pressing need, SDSU has developed a series of critical language courses including cultural immersion elements and tailored to the needs of Marines at Camp Pendleton and Navy SEALS at NAB Coronado. In addition, the Critical Language program has developed courses and a program for presentation to ROTC personnel to advance their language skills in preparation for future deployment upon graduation and commissioning.

There is currently no comparable critical language training program within the Department of Defense or other Federal Departments that can offer tailored, on-demand critical language training including cultural immersion elements to meet the urgent requirements for near-term deploying units. The students receive high quality language and cultural training and education using state-of-the-art training facilities and individual counseling as needed. The costs have been competitive and the training materials (syllabi, manuals, etc) have been used to support training requests for Marines and Navy SEALS.

Project Title: CSU Biotechnology Workforce Training Program

Organization: The California State University

Amount: $500,000

Address: 401Golden Shore, Long Beach, CA 90802

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will go toward supporting the training for students seeking careers in the biotechnology industry. Biotechnology is one of the nation's most promising growth industries. Its skilled workforce makes fundamental scientific discoveries and develops new products that impact human healthcare, alternative energy production and the nation's food supply. California life sciences companies and research institutions employed over 260,000 professionals in 2006 and provide an indispensable economic contribution to U.S. success in this sector. To maintain the U.S. lead in global biotechnology industry, training platforms must be created to rapidly prepare this specialized workforce for 21st century jobs. The biotechnology industry requires skilled employees who are familiar with the regulated research environment, translational development, and commercial production. It is a good use of taxpayer dollars to support a high-growth area of the economy because it will employ Americans and add to the tax base.

Project Title: DA Gang and Drug Crime Investigation and Prosecution

Organization: County of San Diego, District Attorney

Amount: $700,000

Address: 330 West Broadway, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: This project funds the investigation and prosecution of gang-related crime and drug crime by the San Diego County Office of the District Attorney. San Diego County is facing massive budget cuts as a result of California's multi-billion dollar deficit. The Office of the District Attorney alone must cut its budget by $12-million,, which will directly impact the office's ability to successfully investigate and prosecute gang-related crime and drug

crime. At a time when the budget for gang and drug crime fighting is decreasing, the incidence and severity of gang and drug crime in San Diego County is on the rise.

Project Title: DaVinci Project

Organization: Semantic Research, Inc.

Amount: $1,250,000

Address: 4922 North Harbor Drive San Diego, CA 92106

Purpose of funding/How it is a valuable use of taxpayer funds: Countering terrorist financing is key to degrading the abilities of terrorist networks, disrupting drug-trafficking organizations, and countering emerging threats as they develop. This request will allow the Under Secretary of Defense for Intelligence to ensure the DaVinci Program is operational and provides breakthroughs in the way analysts and investigators comb through vast amounts of data to identify, evaluate and respond to patterns of illicit threat financing. This program leverages the power of semantic networks to perform thorough, intelligent analysis of the networks of relationships between individuals, institutions, organizations and events relevant to terrorist threat financing. The DaVinci Program will create innovative tools and techniques that will have broad applicability throughout the DoD and Intelligence Community, as well as law-enforcement. This program provides war fighters, analysts and investigators with a previously unavailable set of system tools. DaVinci allows them to easily and quickly review vast amounts of data that would previously either take weeks to review or not be possible to find the key threats.

Project Title: Decreasing Juvenile Gang Involvement through Accountability and Rehabilitation

Organization: County of San Diego

Amount: $241,500

Address: 9444 Balboa Avenue, San Diego, CA 92123

Purpose of funding/How it is a valuable use of taxpayer funds: Requested funds will allow the Probation Department to (1) improve the current automated records management system to better keep track of gang involved youth who have been ordered by the court to register with their local law enforcement agency, (2) purchase laptop mounts for automobiles and breathalyzers for the Gang Suppression Unit to use in the field, and (3) enhance the validated risk/ need tool by adding an automated case planning system.

There is currently no location in San Diego County's automated system for information about juveniles required to register as a gang member. This limitation means that juveniles who do not register as gang members cannot be tracked nor held accountable. An automated, customized case plan that provides specific prioritized information to all youth, including gang involved youth, about available community based services may increase rehabilitation and decrease recidivism. Customized case plans are a tool useful for prevention, intervention and suppression of gang violence. Increasing the delivery of rehabilitative services may assist in the decrease of recidivism resulting in safer communities.

Project Title: Eagle Vision III, 147th Combat Communications Squadron, San Diego, California

Organization: 147th Combat Communications Squadron, California Air National Guard

Amount: $4,000,000

Address: 7288 Convoy Terrace, San Diego, CA 92111

Purpose of funding/How this project is a valuable use of taxpayer funds: Eagle Vision is a mobile commercial satellite imagery collection and processing system that is used as a wartime resource in the war on terrorism as well as a Homeland Defense/Security asset. The California system (Eagle Vision III), one of five Eagle Vision units operating worldwide, has already proven itself as an asset for the AFNORTH, NORTHCOM, the Federal Emergency Management Agency (FEMA) and the U.S. Geological Survey Agency (USGS) during natural disasters, CAL Fires/OES, and the Army Strategic Command (ARSTRAT). Eagle Vision 3 system directly and indirectly supported 2009 Midwest Flooding, and Hurricanes Fay, Gustav, and Ike and has participated in numerous military exercises.

Upgrades to the current EVIII will improve the final product that the system can pull down from the upgraded satellite systems. Specifically, the increased imagery and resolution will provide improved data for wildland fire fighting and planning. EVIII will be in a better situation to provide support to civilian authority to all Region IX (includes all of California).

Project Title: Education for Democracy Act

Organization: The Center for Civic Education

Amount: $35,000,000

Address: 5145 Douglas Fir Road Calabasas

Purpose of funding/How it is a valuable use of taxpayer funds: This funding will effectively promote among students a profound understanding of and commitment to the fundamental values and principles of American constitutional democracy as expressed in such seminal documents as the Declaration of Independence, the Constitution and Bill of Rights, and the Gettysburg Address.

Project Title: El Cajon Boulevard, San Diego, CA

Organization: City of San Diego

Amount: $300,000

Address: 202 C Street, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Pedestrian safety and access improvements on El Cajon Boulevard from 54th Street to 73rd Street within the Crossroads Redevelopment Project Area, including sidewalk, lighting, and drainage enhancements. This central transit, commercial, and residential corridor lacks concrete sidewalks and a sufficient number of streetlights to meet current City standards for comparable areas. These deficiencies have contributed to the existence of blight, crime and unsafe pedestrian conditions. Approximately 4,000 linear feet of sidewalks, curbs, and gutters will be constructed, and 48 new standard streetlights will be installed to improve livability, economic vitality, and community connectivity.

Project Title: Electromagnetic Geolocation

Organization: QUASAR Federal Systems

Amount: $2,000,000

Address: 5754 Pacific Center Blvd. #203, San Diego, CA 92121

Purpose of funding/How this project is a valuable use of taxpayer funds: The purpose of the funding is to complete within 12 months an Army Research Laboratory (ARL) project to develop a highly sensitive sensing system for detecting clandestine enemy activities underground, such as in caves and tunnels, from manned and unmanned aircraft - in real time with enhanced precision. Current systems are unable to detect hidden enemy underground activities in either remote or urban regions from long distances in real time, nor are they able to pin-point such activities with the precision required by U.S. military, intelligence, anti-terrorist, anti-drug and border-control forces. Last year's tests of the QUASAR detection system, installed on a U.S. high-altitude aircraft over real-target battle regions, proved the system has moved to final-stage development.

Locating terrorists thought to be hiding in caves located in Pakistan's Northwest Frontier Territories, is a well known top priority of the U.S. government. Moreover, locating tunnels has become important military goal as well a U.S./Mexican immigration issue. Completing this multi-year program within 12 months would enable military and enforcement agencies to perform their priority tasks with a higher success rate than is now possible, thus using taxpayer funds for technology that solves top priority requirements of the U.S. military, intelligence and immigration agencies.

Project Title: Enhanced Ashore/Afloat Intelligence Discovery / Dissemination

Organization: BAE Systems

Amount: $3,000,000

Address: 10920 Technology Place, San Diego, CA 92127

Purpose of funding/How it is a valuable use of taxpayer funds: The Distributed Common Ground Station-Navy (DCGS-N) Enterprise Node (DEN) will provide intelligence data discovery and retrieval in support of disadvantaged users (bandwidth limited users) for both ASHORE and AFLOAT based environments. This includes support for embarked Marine units, Navy SEALS/SOF, and other shipboard users on surface ships, LHA/LHD, and CVN platforms which have limited bandwidth. DCGS-N, as the Navy's ISR/T system, is required to provide Multi-INT data as actionable intelligence into these low bandwidth environments. However, the current DCGS-N system does not provide advanced discovery and retrieval capabilities that would minimize the impact on disadvantaged users and allow them to fully leverage available Multi-INT data and products. This funding will provide enhanced intelligence data discovery and retrieval support for users in low bandwidth environments.

Discovery and retrieval optimization would reduce bandwidth requirements and processing needs for these users and as such would reduce the quantity of servers, processors, and storage required at those locations thus reducing overall hardware costs and operations and maintenance costs. This recommended discovery and retrieval capability enhancement would also reduce overall training costs.

Project Title: The Exhibition of the History and Culture of San Diego's American Indians, San Diego, CA

Organization: The San Diego Historical Society

Amount: $350,000

Address: 1649 El Prado, Suite 3, San Diego, CA 92101

Purpose of funding/How this project is a valuable use of taxpayer funds: Funding will go toward organizing a major exhibition on the rich history and culture of San Diego's Indian tribes featuring the work of Edward H. Davis. The exhibition will document and bring to the public photos and artifacts of tremendous historical and cultural significance. This is a valuable use of taxpayer funds because these photos and artifacts illuminate American Indian traditions that have nearly been lost. SDHS's exhibition will bring to light materials that have been completely unknown to the public and scholars alike. What makes the Edward H. Davis material unique and significant is that Davis lived for such a long time and observed the San Diego Indian communities over the course of many years. In addition, his photographs, drawings, journals and the artifacts housed at the National Museum of the American Indian are all interrelated and create an unparalleled portrait of the communities Davis continually monitored.

Project Title: Facility Construction for Workforce Training for Disabled Individuals, San Diego, CA

Organization: The Arc of San Diego

Amount: $500,000

Address: 9575 Aero Drive, San Diego, CA 92123

Purpose of funding/How it is a valuable use of taxpayer funds: The funding will go toward the construction of a new facility in San Diego where disabled populations will receive job training and career placement. The Arc of San Diego's employment programs in San Diego, CA give those they serve an opportunity to financially give back to the community through their income and taxes. Last year, Arc clients earned approximately $2.3 million, according to the estimates of the Arc of San Diego. These individuals paid $282,627 in government taxes and Social Security contributions. Once they are earning wages, the need for government benefits, such as Social Security Income, Medicaid and food stamps is reduced or eliminated. This project will give disabled individuals the opportunity to join the workforce and contribute to society.

Project Title: Freeway Access Improvement Project at 32nd Street at Harbor Drive, San Diego, CA

Organization: San Diego Unified Port District

Amount: $2,000,000

Address: 3165 Pacific Highway, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: The Freeway Access Improvement Project at 32nd Street at Harbor Drive will improve movement of traffic and goods by routing and realigning truck and commercial traffic from the Tenth Avenue Marine Terminal, the working waterfront area and Naval Base San Diego through one efficient egress/ingress highway element. This will facilitate better security at Navy Base San Diego, improve traffic flow in the industrial area of San Diego and lessen commercial traffic in the Barrio Logan and Logan Heights area.

This project would direct marine terminal truck traffic away from adjacent residential neighborhoods reducing associated air pollution impacts. It would increase efficiency of goods movement to and from the marine terminal and so increase the terminal's capacity, providing a regional economic benefit.

Project Title: Full Scale Impact and Blast Loading Laboratory Testing Program with the TSWG Blast Simulator

Organization: University of California, San Diego

Amount: $2,000,000

Address: 9500 Gilman Drive MC 0043, San Diego, CA 92093

Purpose of funding/How it is a valuable use of taxpayer funds: The purpose of this funding is to expand the government's use of the Explosive Loading Laboratory Testing program, funded by the Technical Support Working Group (TSWG). This is the first program in the world to develop a hydraulic based blast simulator to simulate full scale, live explosive events up to 3000 psi-msec without the use of explosive materials and without a fireball. The blast simulator is being used to generate high fidelity data on the response and failure processes associated with critical infrastructure components and systems subject to explosive loads. It is also being used to evolve effective blast hardening/protective methodologies for existing and new structures. Fully repeatable blast load simulations are being performed on structural elements such as columns, beams, girders, and walls; on nonstructural elements such as masonry walls and curtain walls; and on bridge support components. The blast simulator has been validated through the comparison with live explosive field test data. This project is a positive use of tax payer money because it supports the activities of numerous DoD, other Federal, State and local agencies involved with designing and protecting critical military and civilian infrastructures.

Project Title: Genomic Medicine Initiative

Organization: Scripps Health

Amount: $1,000,000

Address: 4275 Campus Point Court, San Diego, CA 92121

Purpose of funding/How it is a valuable use of taxpayer funds: This project will bring together basic genomic research, translational research and advanced clinical trials. Using the diverse community of San Diego this program will genotype tens of thousands of individuals of diverse ancestry, including military personnel, in an attempt to identify and define genes responsible for major disease and the underpinnings of health. The identification of these genes will lead to drug discovery and gene-specific clinical trials. This proposal is to focus on four projects of the Scripps Genomics Medicine Initiative: The

Scripps Genomics Breast Cancer Study, Methicilin-Resistant Staphylococcus Aureus (MRSA), Human Sequencing Project and the Wellderly Project. The Department of Defense has a significant history of supporting extramural medical research

Chronic diseases—such as heart disease, cancer, and diabetes—are the leading causes of death and disability in the United States. Chronic diseases account for 70% of all deaths in the U.S., which is 1.7 million each year. These diseases also cause major limitations in daily living for almost 1 out of 10 Americans or about 25 million people. Although chronic diseases are among the most common and costly health problems, they are also among the most preventable. This initiative will research the root causes, predict the risk of certain individuals to certain diseases and will help to bridge the gap between genomic discovery, translation and treatment of disease. In doing so, disease, including chronic disease such as cancer, will become more manageable, less costly to the health care system and patients, and potentially even eliminated.

Project Title: Global Sustainable Development Practice Initiative

Organization: University of San Diego Joan B. Kroc School of Peace Studies

Amount: $1,500,000

Address: 5998 Alcala Park San Diego, CA 92110

Purpose of funding/How this project is a valuable use of taxpayer funds: Development-related issues are often addressed vertically by specialists or other professionals, which frequently limit communication to those in the same field and thereby impedes progress. The MDP program cuts through these silos allowing development practitioners to learn in multiple academic disciplines with broad applications in the field. This approach, particularly when applied to aid for developing countries in conjunction with other U.S. foreign policy objectives, enhances ordinary assistance efforts by having a multi-skilled practitioner available or in-place. In addition to being more cost-effective or providing "more bang for the buck," MDP offers more peace for the price.

It is also important to note that this is not another travel abroad program intended to foster life-changing experiences through on-site visits to distant parts of the world. The MDP program is designed for experienced individuals, from the U.S. and developing countries, who are determined to change the world. Not the other way around. Furthermore, those sought to enroll in this master's program will be career-oriented individuals who are already working in related fields but require the cross-disciplinary skills to improve and accelerate their efficiency with sustainable development.

Project Title: HI-CA Biorepository Consortium for DoD Cancer Research

Organization: University of California, San Diego

Amount: $2,500,000

Address: 9500 Gilman Drive MC 0043, San Diego, CA 92093

Purpose of funding/How it is a valuable use of taxpayer funds: This project will build a research resource of frozen blood and tissue samples that will allow for numerous future research studies in the genomics and proteomics of cancer. These will facilitate highly competitive grant applications to the

National Cancer Institute and foundations, since the potential funding agencies can be assured in advance that the biological materials are available. Resources arising from this project will also attract funding from the pharmaceutical industry, as this repository and its allied capabilities will allow accelerated studies of targets for new drugs. The project will support training of postdoctoral scholars and laboratory technicians, support investigators, and purchase the equipment needed for the University of California San Diego to create a unique and powerful resource to advance the prevention and treatment of cancer.

This project advances national interests by providing a model for a biorepository and related research capabilities on cancer genomics and proteonomics. This project will provide a mechanism for bringing recent advances in these burgeoning fields into a setting where patient care is provided. The project advances state and regional interests by making the Moores UCSD Cancer Center a research resource and leader in the cutting-edge, rapidly advancing, fields of cancer genomics, proteomics and bioinformatics. It is clear that enhanced biomedical research will directly benefit the health of active duty military personnel and veterans, diminish the cost of medical care for service members, and enhance military readiness. Specifically, genomics provides a promising approach to advancing overall cancer diagnosis and treatment, and to this end, tissue/serum repositories are needed to determine how genetic alterations influence the course and cure of cancer.

Project Title: I-805 Managed Lanes, San Diego, CA

Organization: San Diego Association of Governments

Amount: $5,000,000

Address: 401 B Street, Suite 800, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: The Interstate 805 (I-805) Managed Lanes project creates a 27 mile managed lane facility in the median of I-805 between State Route 905 and Interstate 5. The requested funding would be used to match local dollars to complete preliminary engineering and environmental studies for the project. It is the key north-south corridor that traverses the most heavily populated portion of the region.

The I-805 project has been identified as a high-priority project by SANDAG and is part of the TransNet Early Action Program.

Project Title: IMPERIAL BEACH, SILVER STRAND SHORELINE, CA

Organization: City of Imperial Beach, California

Amount: $3,000,000

Address: 825 Imperial Beach Boulevard, Imperial Beach, CA 91932

Purpose of funding/How it is a valuable use of taxpayer funds: The City of Imperial Beach has been working with the Federal government on its restarted shore protection project since 2000. In 2007, four years after a completed Chief's Report, the Imperial Beach project finally cleared a major hurdle and was authorized for construction. With $4.2 million on hand from the State and additional local cost sharing amounts from both the Port of San Diego and the City, this would fund and construct the Imperial Beach project.

Erosion at the City of Imperial Beach is caused by Federal projects, including a jetty protecting the San Diego and three dams on the Tijuana River, two of which are Federal. Each of these structures impedes that natural flow of sediment that in the past naturally nourished the shoreline. The Corps of Engineers is the Federal agency tasked with responding to these types of problems. In this case, that includes storm damage reduction and protection of a Federal environmental asset, the Tijuana River National Estuarine Research Reserve, a National Wildlife Refuge, which is harmed by frequent over wash of salt water which damages the estuary's delicate saline balance.

The Corps of Engineers has determined that the benefit to cost ratio of this project is 1.7 to 1, meaning that for every dollar invested in the project, 1.7 dollars is saved.

Project Title: Innovative Aging-In-Place Services Project, San Diego, CA

Organization: Jewish Family Services of San Diego

Amount: $300,000

Address: 8804 Balboa Avenue, San Diego, CA 92123

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will go to support a community initiative helping seniors age in place. As 79 million baby boomers start to retire, the number of people aging in place will swell as never before. Additionally, now that older adults are living longer, public policies need to support extending their quality of life rather than simply prolonging life, and recognize the strong connection between an older adult's quality of life and their ability to remain independent and in their own homes for as long as possible. In recognition, the Administration on Aging has directed community organizations to modernize their systems of care and services to ensure that seniors can age in place. Similarly, the Government Accountability Office has recommended that congressional long-term care reforms incorporate the multiple supportive services required of seniors and their preferences and lifestyles, including where they want to live, to ensure their independence, quality of life, and dignity while aging. This project advances these policies. Creating aging in place support services could also potentially save Medicare dollars through preventative medicine and save families the high costs associated with nursing homes.

Project Title: Life Sciences Summer Institute, San Diego, CA

Organization: San Diego Workforce Partnership

Amount: $150,000

Address: 3910 University Avenue, San Diego, CA 92105

Purpose of funding/How this project is a valuable use of taxpayer funds: The Life Sciences Summer Institute exposes students and teachers to the life science industry by connecting upper-level high school, university and community college students, as well as high school and community college teachers, with leading companies within San Diego's life sciences community through extensive training, student internships and teacher externships. This is a valuable use of taxpayer funds because it helps encourage more workers to pursue employment in the life sciences, a sector critical for our nation's long-term economic competitiveness.

Project Title: Locally Delivered Treatments For Noise Induced Hearing Loss (NIHL)

Organization: Otonomy, Inc.

Amount: $1,500,000

Address: 5626 Oberlin Drive, Suite 100, San Diego, CA 92121

Purpose of funding/How it is a valuable use of taxpayer funds: Although there is no approved drug treatment, a number of clinical studies have demonstrated some success with NIHL patients using oral or locally administered corticosteroids. The purpose of this project is to help produce a therapeutic delivery system that places corticosteroids directly into the inner ear thereby maximizing the amount of drug available for the damaged area and minimizing the side effects observed with corticosteroids when delivered orally or by IV. Currently, doctors cannot expose injured tissues with locally-delivered treatments for sustained periods. Once developed, this system could field applied and medic delivered with proper training.

Hearing loss and tinnitus are the #1 cause of disability among troops returning from Iraq and Afghanistan. In 2008, VA paid over $1 billion in disability claims related to hearing loss, up from $634 million in 2004. Over 50% of troops in combat report moderately severe hearing loss from blasts and engine noise. 16% of all troops with tours in Iraq or Afghanistan have been discharged or had duty limited because of NIHL. The nature of military service and proximity to weapons fire (shooter's ear), ordnance blasts, and the long term exposure to loud engine noise lead to NIHL. Problems associated with hearing loss threaten mission readiness, situational awareness, quality of life for our troops, and greatly stress DOD and VA health systems. If a treatment were available to reverse hearing damage by restoring damaged tissue in the ear, VA and DOD could save in excess of $100M annually

Project Title: Long-Term Care Sector of the Health Care Industry, San Diego, CA

Organization: San Diego Workforce Partnership

Amount: $925,116

Address: 3910 University Avenue, San Diego, CA 92105

Purpose of funding/How this project is a valuable use of taxpayer funds: The project builds a sustainable system that moves individuals into the healthcare sector, trains entry-level workers, provides support for training that moves the entry-level worker up the career ladder, and retains the trained worker. This is a valuable use of taxpayer funds because the San Diego area lacks an adequate supply of long-term care workers. The program will help build a pipeline for healthcare workers, thereby incentivizing more workers to enter the field.

Project Title: Man Overboard Indicator (MOBI) Program

Organization: BriarTek, Inc.

Amount: $2,000,000

Address: 5715 Kearney Villa Rd, San Diego, CA 92123

Purpose of funding/How it is a valuable use of taxpayer funds: The purpose of this project is for baseline hardware procurement and installation of the Man Overboard Identification System as originally intended when the MOBI program was implemented by the US Navy. In 2007 and 2008, the Navy added an additional 41 ships to the baseline program creating a funding shortfall for the completion of the MOBI program. The funding also allows for the field verification of a Man Overboard transmitter capable of being worn on the person as opposed to begin worn on the float coat.

Each year millions of dollars are expended as a result of man overboard events in both real (fuel, manpower, loss of SAR assets, etc.) and unrealized costs (loss of morale, interrupted mission, reduced operation tempo). In those unfortunate events where the MOB of a sailor, marine, or airman results in a fatality, there is also a cost of retraining, death benefits, loss of morale, etc. that result in real costs. The Man Overboard Indicator system, actually reduces the overall costs to the taxpayer associated with man overboard events, by providing a means to immediately become aware of a MOB incident and effect a rescue of the personnel overboard.

Project Title: The Maritime Museum of San Diego Expansion, San Diego, CA

Organization: The Maritime Museum of San Diego

Amount: $1,000,000

Address: 1492 North Harbor Drive, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will go toward expanding the Maritime Museum of San Diego by contributing to the construction of a replica of the San Salvador. The project will create 100 jobs, with an estimated payroll of $4.1 million in 2010-11. As a heritage tourism draw, the vessel will have an estimated annual regional economic impact of approximately $3.5 million to local businesses. Each year 20,000 or more school children will be able to participate in educational programming that supports California's teaching curriculum for 4th and 5th grade students. This is a resource that is simply not available from any other source. Over the lifetime of the vessel a million students (33,000 classrooms) will have been served, a fact becomes ever more critical as school districts face increasing budget cuts that affect their capacity to prepare our young people for productive futures.

Project Title: The Monarch School Project, San Diego, CA

Organization: The Monarch School Project

Amount: $1,000,000

Address: 808 W. Cedar St., San Diego, CA

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will go toward the construction of a new, larger facility for homeless students attending the Monarch School. Educating homeless youth to make it possible for them to break the cycle of homelessness through education is an

excellent use of taxpayers' money. The Monarch School is dedicated to helping our kids break the cycle of homelessness through education. Monarch provides academic and student support programs to help our students graduate from high school and continue their education and career preparation so that they may become productive members of society and contribute to the tax base.

Project Title: National Writing Project

Organization: The National Writing Project

Amount: $30,000,000

Address: 2105 Bancroft Way, #1042, Berkeley, CA 94720

Purpose of funding/How it is a valuable use of taxpayer funds: Funding provides support for a national infrastructure of more than 200 writing projects sites that serve their local schools and teaching communities with high-quality teacher professional development in all 50 states, the District of Columbia, Puerto Rico, and the U.S. Virgin Islands. It is a good use of taxpayer funds to support and promote literacy.

Project Title: Navy Tactical Development

Organization: DDL OMNI Engineering LLC

Amount: $1,000,000

Address: 2615 Camino Del Rio S., Ste 301, San Diego, CA 92108

Purpose of funding/How it is a valuable use of taxpayer funds: This request will provide funding to develop, improve, and evaluate fleet tactics in surface, air, strike, undersea, electronic and expeditionary warfare. This increased emphasis on TTP development will maximize the capability of the Surface navy to operate effectively across the broad spectrum of mission areas, as well as the joint and combined environments in which surface forces are utilized.

Funding this request will improve fleet tactical readiness through the development of tactics for the effective employment in naval and joint operations of current combat systems or systems approaching initial operational capability. This improved tactical readiness associated with C4I, Sensor and Weapons Systems is critical to the proper utilization of scarce defense resources and will ultimately save lives. Other sources of Fleet Tactical Development have been zero funded and the thoughtful employment of current and developing fleet sensors and systems is critical as the Navy positions itself to engage increasingly capable foes.

Project Title: Navy Use of UNOLS Fleet

Organization: University of California, San Diego

Amount: $3,500,000

Address: 9500 Gilman Drive, MC 0210, San Diego, CA 92093

Purpose of funding/How it is a valuable use of taxpayer funds: There is a growing and unmet need for Navy RDT&E to operate at sea, often in collaboration with fleet units of the US and allies. Testing and demonstration of maturing S&T products in many areas are required – from new ship technologies to environmental compliance surveys and studies to new approaches toward real-time characterizations of relevant environmental conditions in the battlespace. Funds for Navy RDT&E elements to contract with UNOLS ships for needed sea time and seagoing technical capabilities are a demonstrated and cost-effective means for provision of the necessary seagoing work. Funding would help sustain the viability and health of the national research fleet during a time of uncertainty in some of the federal agencies that support the fleet. Coupling this with enabling Navy RDT&E to accomplish more of its necessary seagoing work in a cost-effective manner creates a macro-benefit for the nation and state.

Project Title: Neurogenesis Therapeutics for PTSD

Organization: BrainCells Inc

Amount: $3,000,000

Address: 10835 Road To The Cure, San Diego, CA 92121

Purpose of funding/How it is a valuable use of taxpayer funds: This project will partner BrainCells Inc (BCI) with the Naval Health Research Center to conduct a trial on its FDA approved BCI-540 neurogenic compound to combat Military PTSD without side-effects. DOD and VA estimate that 13% of deployed service members to Iraq or Afghanistan will develop PTSD. Without an effective treatment for PTSD, the long-term taxpayer costs for the treatment of these service members will reach into the billions. Moreover, we will have to deal with the increase likelihood of shattered military families, homelessness, and suicide. An effective treatment could reverse the terrible effects of PTSD on service members and their families and virtually negate the long-term costs of managing PTSD sufferers in the VA system.

Project Title: Post Traumatic Stress Disorder Attention Modification Program for Veterans

Organization: San Diego State University Research Foundation

Amount: $1,250,000

Address: 5250 Campanile Drive, San Diego, CA 92182

Purpose of funding/How this project is a valuable use of taxpayer funds: This request will fund a software-based Attention Modification Program (AMP) to treat Post Traumatic Stress Disorder (PTSD) specifically as well as to test the efficacy of using AMP to protect veterans from having PTSD develop after leaving the military. PTSD is a serious mental illness with high occurrence rates among returning veterans from Operation Iraqi Freedom and Operation Enduring Freedom in Afghanistan. This project deals with the specific federal need for the treatment of post-traumatic stress disorder (PTSD) and it targets a large population of afflicted military personnel many of whom are not receiving treatment. This is a uniquely targeted project using a non-invasive therapy option that can treat and alleviate PTSD while being extremely easy and inexpensive to administer. Success will provide a measurable impact on the cost of treating mental health issues on a national basis among a larger population of veterans as well as

increase the overall quality of life for affected veterans and active duty war fighters. By treating PTSD, we encourage the next generation of soldiers to serve their nation while allowing our country to benefit from the soldiers' training, education and leadership as they enter the private workforce.

Project Title: Rapid & Low Cost Development of Next Generation Patrol Ships for Special Operations

Organization: M Ship Co.

Amount: $2,250,000

Address: 401 West A Street Suite 2125, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: The purpose of this program is to accelerate the development of advance hull technology for the scheduled procurement of USSOCOM patrol ships and the anticipated future needs of smaller, lower cost ships for Anti-Piracy Missions, Port Security, Drug Interdiction and Unmanned Vehicle Support Operations.

Project will provide quick and inexpensive testing and evaluation for the next generation ships in the size range between the Mark V Special Operation Craft and the Littoral Combat Ship. The missions served by this vessel would include: anti-piracy, port security, and drug interdiction. This testing and evaluation will mitigate risk before taking the step to build a prototype to serve all these missions. A vessel, with the size and speed necessary to fill these missions, currently does not exist in the United States military.

Project Title: Reach Out and Read

Organization: Reach Out and Read National Center

Amount: $10,000,000

Address: 56 Roland Street, Boston, MA, 02129

Purpose of funding/How it is a valuable use of taxpayer funds: Reach Out and Read is a national program that promotes literacy and language development in infants and young children, targeting disadvantage and poor children and families. Through fifteen years of peer-reviewed and published research, an extensive body of documentation now clearly demonstrates the importance of promoting early language and literacy skills so that children have the essential reading skills to begin school successfully. Yet today, a large number of children do not receive the necessary support and assistance to develop these skills and begin kindergarten read to learn.

Project Title: Reading Is Fundamental

Organization: Reading Is Fundamental

Amount: $28,000,000

Address: 1825 Connecticut Ave. NW, Washington, D.C. 20009

Purpose of funding/How it is a valuable use of taxpayer funds: Funding will be used for purposes authorized in Section 5451 of the Elementary and Secondary Education Act. Reading Is Fundamental enhances child literacy by providing millions of underserved children with free books for personal ownership and reading encouragement from the more than 18,000 locations throughout all fifty states, Washington, D.C., Guam, Puerto Rico, and the U.S. Virgin Islands.

Project Title: Regenerative Medicine for Acute Blindness

Organization: Fate Therapeutics

Amount: $1,500,000

Address: 10931 N. Torrey Pines Road, Suite 107, La Jolla, CA 92037

Purpose of funding/How it is a valuable use of taxpayer funds: The purpose of this project is to advance the development from basic research to clinical readiness of a first generation medicine to restore sight. Regenerative medicine holds the promise for creating therapeutics for combat injuries with little to no options and devastating consequences, such as acute blindness. This project will apply fundamental stem cell research from the nation's top academic laboratories to develop the drugs and technologies to fulfill this promise. Advancing this ability to restore sight to service men and women blinded by serving and protecting the United States is of immediate importance.

While science is still a long way from regrowing new limbs, adult stem cell research and its applications in regenerative medicine can now offer an opportunity to restore sight. This program will converged the world's leading scientific expertise and research in stem cell and developmental biology to discover and develop regenerative medicines to treat a number of diseases and conditions that currently have little to no therapeutic options, including acute blindness.

Project Title: Regional Communications System (RCS) Upgrade

Organization: County of San Diego – Sheriff's Department

Amount: $3,500,000

Address: 9621 Ridgehaven Court, San Diego, CA 92123

Purpose of funding/How it is a valuable use of taxpayer funds: The San Diego Regional Communications System (RCS) has been in existence since 1998 and involves 215 public agencies. This project will move the County of San Diego and its cities forward in the implementation of an effective, efficient regional interoperable communications system. This system will be critical both in terms of daily, routine communications and during disaster emergencies and other events that demand that all public safety agencies be able to communicate effectively. It will benefit California and other States and Federal agencies by providing voice radio interoperability with those entering into the region providing mutual aid. Ultimately, it will enable San Diego County public safety agencies to seamlessly integrate with surrounding Counties as it is built out to a network of networks.

Project Title: RobonostiX Integration to Improve Readiness of Robotic Unmanned Systems

Organization: Sullivan International Group

Amount: $1,600,000

Address: 409 Camino del Rio South, Ste 100 S, San Diego, CA 92108

Purpose of funding/How this project is a valuable use of taxpayer funds: The purpose of this funding is the continued development of RobonostiX, an Open-Architecture, Standards-Compliant software product layer applicable to virtually all Robotic Vehicles; Air Land, Surface, Subsurface. RobonostiX provides sophisticated fault detection, isolation diagnostics and prognostic health monitoring and reporting to system operators and the command and control system for decision support. RobonostiX Integration to Improve Readiness of Robotic Unmanned Systems also directly supports the roles, missions and initiatives of the Joint Advanced Concepts (JAC) office.

This integrated software suite, through a standards-compliant, open-architecture environment, will provide a robust platform-based machine diagnostic and prognostics decision-making process that will enhance platform readiness, thus optimizing mission performance in support of the warfighter, while sharply reducing Integrated Logistics and Life Cycle costs of all unmanned platforms.

Project Title: Rotary Valve Pressure Swing Absorption Oxygen Generator

Organization: SeQual Technologies

Amount: $2,500,000

Address: 11436 Sorrento Valley Road, San Diego, CA 92121

Purpose of funding/How this project is a valuable use of taxpayer funds: The requested amount will finalize the development of the 2nd generation Rotary Valve Pressure Swing Adsorption Generator (RVPSAOG) and provide a Low Rate Initial Production (LRIP) to Combat Causality Care units in Iraq and Afghanistan. Funds will also lay the engineering groundwork for the follow on generation of lighter weight / energy efficient oxygen generation capabilities for the military.

The benefits of rotary valve pressure swing absorption oxygen generation closely align with the Army transformational goals of being more flexible and supportable with less logistical footprint. As the Army moves its doctrine toward the future force, medical casualties are at a greater risk and technological insertions of this nature must be in acted to enhance far forward health care. Savings will be in the millions of dollars as the Army will no longer have to procure or refill oxygen bottles. This technology further supports the emerging homeland defense requirements through consequence management of patients encountered with asymmetrical attacks, especially where medical infrastructure is contaminated.

Project Title: San Diego Center for Algae Biotechnology (SD-CAB)

Organization: University of California, San Diego

Amount: $2,000,000

Address: 9500 Gilman Drive MC 0043, San Diego CA 92093

Purpose of funding/How it is a valuable use of taxpayer funds: The primary goal of the center is to create a national facility capable of developing and implementing innovative research solutions for the commercialization of fuel production from algae. Algae are widely seen as the most promising source of renewable alternative transportation fuels. They are the fastest growing organisms for turning sunlight into chemical energy. Importantly, algae can be grown on land that will not compete with food production, as do traditional row crops such as corn when used as a biofuel source. Algae based transportation fuels hold tremendous promise for addressing the critical energy, environmental and security challenges our nation faces.

Project Title: SENTRI Demonstration Project

Organization: US Customs and Border Protection Agency Sara from bruce berlly

Amount: Report language

Address: 720 East San Ysidro Blvd, San Ysidro, CA 92173

Purpose of project/How it is a valuable use of taxpayer funds: This language will require the to conduct a twelve month demonstration project to determine the effectiveness of staffing and operating up to ten SENTRI (Secure Electronic Network for Travelers Rapid Inspection) lanes during peak hours seven days a week at the San Ysidro port of entry. An additional SENTRI lane should be opened during the peak times of 5:00 am to 10:00 am and 3:00 pm to 9:00 pm whenever wait times exceed 15 minutes, up to ten SENTRI lanes.

Implementing this requirement will result in a more efficient and secure border, reducing wait times, providing CBP with better data on who is entering the country and significantly reducing pollution.

Project Title: SR 163/ Clairemont Mesa Boulevard Interchange, San Diego, CA

Organization: San Diego Association of Governments

Amount: $5,000,000

Address: 401 B Street, Suite 800, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: This project is a continuation of the Phase I improvements made to the State Route 163/Clairemont Mesa Boulevard Interchange where transit movement was enhanced and safety was improved for pedestrians and bicyclists. In Phase II of the project, the west side of the intersection will be improved by converting the loop configuration to a partial cloverleaf design and Clairemont Mesa Boulevard will be widened to six lanes from the end location of Phase I to its intersection with Kearny Mesa Road. High Occupancy Vehicle (HOV)/ bus bypass lanes also will be incorporated on the southerly on-ramp and pre-emption for emergency vehicles and bus priority may be included in the traffic signals.

The construction of this project will enhance the flow of traffic, accommodate future traffic volumes, and improve safety for pedestrians and bicyclists. It also will enhance traffic movement for buses and emergency vehicles.

Project Title: Strategies to Reduce Post Traumatic Stress Disorder (PTSD) & Traumatic Brain Injury Burden (TBI)

Organization: Science Applications International Corporation

Amount: $4,000,000

Address: 4015 Hancock Street, San Diego, CA 92110

Purpose of funding/How it is a valuable use of taxpayer funds: The Naval Health Research Center (NHRC), San Diego CA is DODs leading mental health R&D program. NHRC has developed highly successful initiatives regarding understanding and mitigation of military operational and wartime stressors and their associated afflictions. Still, more must be done. This program will: 1) Develop strategies to identify highly stress reactive individuals 2) Develop methods to safeguard personnel from aberrant stress reactivity 3) Examine post-trauma strategies, including TBI issues, to mitigate stress reactivity and prevent or reduce stress reactions 4) Develop awareness and peer support strategies to enable effective post-trauma stress mitigation. With this program, the incidence of posttraumatic stress/mental illness and negative interpersonal/familial issues could be diminished, and the resulting total load on DOD and Veterans Administration health care providers could be reduced. This program could be major cost-benefit to the taxpayer.

Project Title: Villa Montezuma Foundation Restoration

Organization: City of San Diego, California

Amount: $625,000

Address: 202 C Street, San Diego, CA 92101

Purpose of funding/How it is a valuable use of taxpayer funds: Federal funding will enable structural rehabilitation and public reopening of Villa Montezuma, listed on the National Register of Historic Places, owned by the City of San Diego and operated as a museum and cultural center since 1972. Built in 1887, the structure's foundation is failing, which caused the building to be closed to the public in 2006 due to safety concerns. This building features among the most well-preserved Victorian (Queen Anne) interiors in the country, and hosted a range of community and educational activities. It also serves as a community anchor in a blighted redevelopment area of the City.

The project will restore and protect an historic building owned by the City of San Diego, which has been closed for nearly three years because the building's foundation presents a serious public safety hazard. Federal funding will provide gap financing to complete restoration of a significant regional treasure, providing for cultural and educational enrichment opportunities for local residents and tourists alike. San Diego is a popular tourist destination, which is its third largest industry, and generates nearly $8 billion annually for the regional economy.