

United States Senate

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COMMITTEES:
ARMED SERVICES
SPECIAL COMMITTEE ON AGING
BANKING, HOUSING, AND
URBAN AFFAIRS
COMMERCE, SCIENCE AND
TRANSPORTATION

May 8, 2009

The Honorable Daniel K. Inouye, Chairman
Senate Committee on Appropriations
S-128, U.S. Capitol
Washington, D.C. 20510

The Honorable Thad Cochran, Vice Chairman
Senate Committee on Appropriations
S-146A, U.S. Capitol
Washington, D.C. 20510

The Honorable Barbara Mikulski, Chairman
Appropriations Subcommittee on Commerce,
Justice, Science and Related Agencies
144 Dirksen Senate Office Building
Washington, D.C. 20510

The Honorable Richard Shelby, Ranking Member
Appropriations Subcommittee on Commerce,
Justice, Science and Related Agencies
125 Hart Senate Office Building
Washington, D.C. 20510

Dear Chairmen and Ranking Members,

In this letter you will find my project requests for the Fiscal Year 2010 Commerce, Justice, Science and Related Agencies Appropriations Bill. The requests include budget estimates provided to me by the requesting organizations. If you have any questions or need additional information, please do not hesitate to contact me.

I certify that neither I nor my immediate family has a pecuniary interest in any of the congressionally directed spending items that I have requested, consistent with the requirements of paragraph 9 of Rule XLIV of the Standing Rules of the Senate. I further certify that I have posted a description of the items requested on my official website, along with the accompanying justification.

**United States Marshals Service
Regional Fugitive Task Force for Florida
\$25,000,000 for the expansion of USMS Regional Fugitive Task Forces**

This request is to continue funding for a Regional Fugitive Task Force for Florida.

The State of Florida has experienced a sharp increase in violent crime, especially in the four major metropolitan areas of Miami, Tampa, Jacksonville and Orlando. Florida experienced a slight decrease in the murder rate last year, but the 2008 murder rate is still 32% higher than in 2005. This rise in violent crime directly affects Florida's citizens as well as the 85 million tourists who visit Florida annually.

The rise in violent crime can be partially or substantially attributed to the growing number of violent criminal fugitives who avoid apprehension and continue to commit other unlawful acts. These felons must be confronted by a coordinated effort of federal, state and local law enforcement agencies. Congress has provided the means for addressing this issue by establishing Regional Fugitive Task Forces (RFTF) under the U.S. Marshals Service in the Presidential Threat Protection Act of 2000.

In FY 2008, this subcommittee provided \$2.82 million to begin to cover the State of Florida with a new or existing RFTF. In FY 2009, up to \$10 million was provided for this purpose. I thank you very much for providing this important funding, and respectfully request that sufficient additional funds be appropriated in fiscal year 2010 to fully implement the Regional Fugitive Task Force for Florida. I believe that the implementation of this Regional Fugitive Task Force will give U.S. Marshals in Florida the ability to improve state and local coordination as well as increase manpower to continue to combat fugitive crime and violence.

The State of Florida has worked well with the U.S. Marshals Service, and the \$2.82 million in FY 2008 enabled Operation Orange Crush, a ten-week law enforcement effort that led to 2,497 fugitive arrests, including 113 homicide arrests. The hugely successful Operation Orange Crush shows that in Florida there is an excellent working structure for a Regional Fugitive Task Force to operate successfully to combat crime and violence.

**A Child Is Missing
500 SE 17th St, #101
Ft. Lauderdale, FL 33316**

**Project: A Child Is Missing
Account: Byrne Justice Assistance
\$500,000**

Funding will allow A Child Is Missing to assist Florida law enforcement agencies in the first few hours a child or an elderly adult is reported missing. Calls are placed to homes in and around the

area where the child or elderly was reported missing, asking neighbors to call the local police department if they have seen a person that matches the description on the call.

Every 40 seconds a child goes missing. Finding these missing children, not to mention elderly adults and people with disabilities, is of paramount importance to parents, guardians, and law enforcement agencies. A Child Is Missing has stated that the significance for its programs is based on the following criteria: the national crisis of missing children, the importance of recovery speed, and the real need for the program.

National Crisis

FBI statistics indicate more than 3,000 children and elderly are reported missing daily nationwide. That equates to 125 per hour. In 2001, some 859,000 children and elderly were reported missing in the U.S. Strangers commit more than half (53 percent) of child abduction murders.

Recovery Speed

A Washington State Attorney General's office study showed that among cases involving children abducted and murdered, 74 percent were killed in the first 3 hours. Although less than 1 percent of cases of missing children are abductions resulting in sexual abuse and death, dangers still exist for the children that have wandered away or gotten lost. The need to locate missing children in the first 2 hours of the disappearance is vital. Most law enforcement agencies generally lack the available manpower to knock on doors asking neighbors for valuable information about the missing persons.

Need

In equipment and staffing, few agencies can afford what A Child Is Missing provides to law enforcement agencies for free. Children, the disabled and elderly can disappear any time under widely varying circumstances, and A Child Is Missing stands ready to assist every day of the year.

Success

A Child Is Missing has worked 7,095 cases in Florida and has been credited by Florida law enforcement agencies with 64 successful recoveries. Nationwide, ACIM has been credited with more than 440 successful recoveries.

**Brevard County Office of Emergency Management
1746 Cedar Street
Rockledge, FL 32955**

**Project: Technology for the Brevard County Emergency Operations Center
Account: Community Oriented Policing Services, Law Enforcement Technology
\$1,000,000**

The Brevard County Emergency Operations Center (EOC) is a key facility within Florida's Space Coast. It activates for every space launch, is the seat of County government during any major emergency or disaster and serves as a unified multi-agency coordination center for the 16 municipalities. The EOC also supports Kennedy Space Center, Patrick Air Force Base, and other key installations during hurricane evacuations. The current EOC is a safe risk facility but has limited space available for all agencies to participate during major emergencies.

Funding will be used to upgrade the decision making software and equipment within the EOC. This new equipment would allow for increased flexibility in providing decision-making information to the multiple agencies that use the EOC. It would also allow the EOC to utilize its current displays in a more varied and scenario-specific manner. Overall, the funding will allow the EOC to increase dependability, reduce the space within the limited facility and provide opportunity for virtual conferencing on key decisions within local, state, and federal agencies.

Estimated cost for equipment upgrade and software integrations: Integrated and flexible software, \$300,000; AV command displays with cameras (will enable video conferencing), \$300,000; integration and equipment readiness, \$275,000; technical computer server upgrades with security enhancements, \$125,000. Total: \$1,000,000.

**City of Jacksonville, FL
117 West Duval Street
Suite 400
Jacksonville, FL 32202**

**Project: Jacksonville Journey At-Risk Youth Intervention Initiative
Account: Office of Juvenile Justice and Delinquency Prevention
\$1,200,000**

Federal funding will enhance the Jacksonville Journey's at-risk youth intervention and diversion strategy to reduce truancy and dropout rates, and assess juveniles when initially entering the juvenile system. Jacksonville has implemented a three-pronged approach to divert at-risk youth away from the criminal system. Jacksonville Journey aims to dramatically reduce the number of unsupervised youth, improve academic outcomes and reduce crime in surrounding neighborhoods, as well as reduce crime and lower the dropout rate of at-risk students.

Out-of-School Suspension Centers

Duval County has one of the highest dropout rates in the state of Florida. In 2007 there were over 51,000 out-of-school suspensions in Jacksonville. In response, the City created the Out-of-School Suspension program, providing a structured and supervised environment for suspended juveniles. The centers house students picked up by law enforcement and truancy officers throughout the day in a closely monitored atmosphere. There are five sites located throughout Jacksonville: Peterson Academies of Technology; Southside Middle School; Bridge of Northeast Florida; St. Paul Missionary Baptist Church; and the Boys & Girls Club. Current projections show that the centers can serve 27,000 students annually.

Juvenile Assessment Center

The Juvenile Assessment Center (JAC) closed in 2005 due to budgetary and security constraints. In a partnership with the Duval County Sheriff, Jacksonville made necessary capital improvements at the JAC in order to re-open the facility. Now, every youth arrested in Jacksonville will be taken to the Center.

Youth charged with non-violent crimes are placed in a common area, separated by gender. Four holding cells are available for individuals who become too aggressive. Juveniles will meet with a probation officer who will help determine next steps, including calls to parents, mental health evaluations, or direction to juvenile programs. The re-opening of the JAC not only provides youth with an appropriate intervention and placement strategy, it also allows patrol officers to return to the streets, rather than monitoring a juvenile until his/her parents are located. The Juvenile Assessment Center serves more than 7,700 local youth annually.

Team UP

Team UP is a unique after-school program providing educational and enrichment opportunities to low-income at-risk youth. The program provides supervision and guidance, academic instruction, tutoring, and social activities such as field trips, sports, and arts. These programs are housed in elementary and middle schools, providing direct services for approximately three hours per day, five days per week.

The Team UP program has a 15-year history of success. It has been shown that children who participate in Team UP perform better on the FCAT, have fewer absences, and have fewer behavior problems. Expanding this program will enable the majority of students on free/reduced lunch to have an opportunity to participate. It is anticipated an additional 2,850 children will be served by expanding the program into seven additional middle schools. This project advances the mission of the Office of Juvenile Justice and Delinquency Prevention to develop and implement effective and coordinated prevention and intervention programs and to improve the juvenile justice system so that it protects public safety, holds offenders accountable, and provides treatment and rehabilitative services tailored to the needs of juveniles and their families.

Budget: \$400,000 for Out-of-School Suspension Centers, \$400,000 for JAC, and \$400,000 for Team UP.

**City of Pensacola
222 West Main Street
P.O Box 12910
Pensacola, FL 32521**

**Project: City of Pensacola 800 Mhz Conversion
Account: Community Oriented Policing Services, Law Enforcement Technology
\$1,000,000**

The City of Pensacola seeks funding for the City's primary communications tower, which no longer meets the Florida Wind Code. The tower is critical infrastructure in coordinating law enforcement, EMS, and fire response and increasing interoperability. Replacement of the tower would provide a significant improvement in preparedness and coordination of emergency resources during and after severe weather. The federal government, through FEMA, must manage the Florida panhandle during severe weather emergencies and their aftermath and would be able to use this tower. The new communication tower will improve communication response times and interoperability of equipment.

Federal agencies, including FEMA and its satellite offices, use 800 Megahertz systems. This funding will ensure that local police, EMS, and fire can communicate with all state and federal agencies.

Budget: \$1,000,000 would be used for the replacement of Pensacola's communication tower.

Collier County, Florida
3301 E. Tamiami Trail
Naples, FL 34112

Project: Technology for Emergency Services Center
Account: Community Oriented Policing Services, Law Enforcement Technology
\$1,500,000

Funds are needed to support the acquisition of public safety technology equipment for the Collier County Emergency Services Center (ESC), which is being constructed on a 20-acre site on Lely Cultural Parkway, just south of Rattlesnake Hammock Road. The ESC will be approximately 130,000 square feet, four stories and includes a communications tower. Occupants will include the Emergency Management staff, Emergency Operations Center (EOC), Information Technology, Sheriff's Substation, 911 Center, and the Clerk of Courts. Technology needs include geographic information systems and improved interoperable communications.

Outdated public safety technology equipment is hindering the ability of local public safety officials to work effectively.

All funds will support equipment purchase.

**Florida International University
11200 SW 8th Street
Miami, FL 33199**

Project: Observing, Modeling, and Visualizing Storm Surge Inundation/Storm Surge Mitigation Research

Account: NOAA

\$2,000,000

As coastal populations grow and decades of increased hurricane activity arrive, the risk of drowning thousands of people living in low-lying areas increases. Storm surges have accounted for more than 90 percent of fatalities caused by hurricanes. During Hurricane Katrina, several hundred people on the Mississippi coast were killed by 20 to 30 foot storm surges. The State of Florida is the state most impacted by hurricanes based on historical records. Most of Florida's coastal areas are vulnerable to storm surge flooding because of low elevation. The ability to save people's lives and mitigate property loss due to storm surge flooding relies heavily on the capacity to predict the surge and convey the information to the public.

The accurate forecast of surge inundation relies upon high-resolution elevation data. The State of Florida is completing Light Detection and Ranging (LIDAR) data collection for coastal areas vulnerable to surge flooding at a cost of \$30 million. This high-resolution elevation data makes Florida an ideal location to build a test bed for storm surge modeling.

The proposed research activities include simulating the hurricane wind field using the weather research and forecasting model, combining forecasts from various surge models such as SLOSH, CEST, ADCIRC, and SELFE, obtaining field measurement of overland flooding, and developing visualization tools through Google Earth. The deployment of mobile surge gauges for landfall tropical events will provide important flood data. The coastal ridges, canals, and highways, which greatly influence surge inundation, will be extracted from the statewide LIDAR data set. A test bed based LIDAR data and field surge measurements will be developed to compare and calibrate the major storm surge models. The internet distribution of surge flood data through Google Earth will allow responders, governmental officials and the public to visually determine surge impacts.

The International Hurricane Research Center (IHRC) at FIU, in partnership with the University of South Florida, and the University of West Florida, will develop a real-time probability forecast and visualization of surge inundation along the Florida coast. Within three years this collaborative research effort will lead to significant improvements in the current ability to forecast storm surges and predict damages. The project would enhance public response and thus greatly lessen deaths across the State and the nation during future storm surges.

**Florida State University
109 Westcott Building
Tallahassee, FL 32306**

**Project: Center for the Study of Vapor Mercury in the Atmosphere
Account: NOAA/Oceanic and Atmospheric Research/Weather and Air Quality Research
\$3,500,000**

Funds will be used for the Southeastern Mercury Consortium to study the large-scale sources and fates of atmospheric mercury. This effort is partnered between NOAA's Air Resources Lab (ARL), Florida State University (FSU) and Georgia Institute of Technology. ARL's mercury research group pioneered ground and airborne measurements and models of atmospheric mercury. FSU's Oceanography Department and Isotope Geochemistry Programs in the National High Magnetic Field Lab excel in ultra-trace element chemistry and isotopes, including mercury, in global atmospheric and aquatic environments. Georgia Tech's Schools of Earth & Atmospheric Sciences and Civil & Environmental Engineering have extensive regional and global programs in urban photochemistry, "tailpipe" and "smoke stack" gases, and global atmospheric mapping of reactive trace gases and aerosols from research airplanes and satellites.

It is known that the atmosphere dominates transport pathways for mercury. What is unknown is the fraction of mercury entering lakes and rivers that is natural or man-made, largely because the atmospheric chemical reactions and transport of vapor mercury are poorly understood. Local, regional, and global distributions of gaseous elemental mercury are unknown even though vapor mercury is the most important source of anthropogenic mercury to the atmosphere. Most U.S. mercury emissions occur in the northeast yet most mercury deposits fall on Florida and the southeastern coastal zone. Patterns of mercury in local rainfall can be interpreted as either "local source" or "long-distance source" and are thus non-diagnostic. These gaps in scientific understanding undermine public policy initiatives to develop strategies to protect natural environments and human health and to find appropriate energy solutions to our power and transportation needs.

Mercury is one of two very toxic trace elements known to have major inputs to the land surface by deposition from the atmosphere. The sources of mercury falling on Florida are unknown and perhaps global. This project will concentrate on the two most critical pieces of the puzzle, gaseous elemental mercury and reactive gaseous mercury. This effort will fill the gap between ground-based time series observations in the coastal zones by adding synoptic data from flight level measurements of mercury and related reactive gases. Because of the critical impacts of mercury emissions on ecosystem and human health and an increasing reliance of America's electric power plants on coal, a focused effort on the atmospheric portion of the mercury cycle is required to predict and regulate the dominant man-made sources.

National Significance:

Mercury is a toxic element recognized as a national environmental problem. Easily identified anthropogenic mercury point sources to water and land have been largely eliminated through regulation; however, atmosphere dominates transport pathways for mercury. Mercury is known to be transformed in natural aquatic bodies and wetlands to a pervasive and even more dangerous

neurotoxin – methylmercury. Many hundreds of lakes in the U.S. are flagged by the EPA with mercury in fish advisories. Southeastern and Floridian lakes in particular are especially impacted because of high atmospheric deposition in these areas and the prevalence of wetlands forming methylmercury. This project is a focused effort on the atmospheric portion of the mercury cycle, which is needed to predict and regulate dominant man-made sources of mercury.

Budget:

1. Personnel \$700,000 – Principal investigators, researchers, graduate student, post-doctoral staff at five institutions
2. Platforms (Aircraft) \$1,000,000 – Use of NCAR and NOAA scientific sampling platforms: planes, blimps and drones
3. Equipment (Instruments) \$400,000 – Includes air scoops, analytical, mass specs, and computational equipment
4. Expeditionary Travel \$200,000 – Personnel travel and shipping costs to flight expeditions
5. Other \$455,000 – Local organizational start-up costs (FSU), workshops, and participant costs
Total direct costs \$2,755,000
6. Indirect Costs (Facilities and Administrative Costs for National High Magnetic Field Laboratory) - \$745,000 (55% of Modified Total Direct Costs, which are \$1,355,000)

Total costs \$3,500,000

Lake County
315 W. Main Street
Tavares, FL 32778

Project: Law Enforcement and Emergency Operations Center Technology
Account: Community Oriented Policing Services, Law Enforcement Technology
\$1,500,000

Funding will allow for the acquisition of technology equipment for an Emergency Operations Center, so that emergency response and communication is improved through connectivity via computer systems, data system hardening and backup, satellite, video and teleconferencing, and remote incident command centers. Technology will enhance communication capabilities with links to various radio networks and call-center operations, as well as improving links among police, fire, and EMS. The County’s experience with major disasters over the past several years, including the Groundhog Day tornadoes in 2007, showed the importance of connectivity and interoperability for Lake County’s emergency response teams.

This technology will enhance public safety and crime prevention by ensuring police, fire, and other emergency communications, continuity of government operations, and uninterrupted outreach to the public during an emergency across the County.

Budget: Microwave and fiber networking \$300,000; satellite up-link and down-link \$150,000; antennae tower \$100,000; wi-fi capability \$50,000; radio control stations \$35,000; installation

of technology in the EOC \$85,000; uninterrupted power supply systems \$200,000; laptop computers \$127,500; voice over internet protocol (VOIP) telephones \$34,000; video conferencing system \$150,000; video screens with DOT camera feed \$175,000; emergency management software to ensure coordination among 13 municipalities in the County \$93,500. Total: \$1,500,000.

Marion County
601 SE 25th Avenue
Ocala, FL 34471

Project: Law Enforcement Technology
Account: Community Oriented Policing Services, Law Enforcement Technology
\$650,000

Marion County received funding in FY 2008 for fingerprint technology, and additional funds will be used to expand this technology to all of the County's patrol vehicles. The technology captures fingerprints required for FBI criminal background checks. The equipment and software will collect demographic data and fingerprint scans and submit both to the appropriate background check authority, which will, in turn, provide instant feedback. The request is in accordance with priorities established by the Florida Department of Law Enforcement, who has indicated a desire for all law enforcement agencies across the state to have consistency in the equipment used for fingerprinting. The technology will allow for the database to be more accurate and results to be received more promptly. This project has been phased over multiple years and Marion County has received more than \$250,000 towards this project in other grant awards, including the previously mentioned FY 2008 funding. Of the requested funding, \$350,000 will be used to assist in the completion of this project.

The remaining \$300,000 requested will allow Marion County to expand law enforcement technology to include cell phone technology that will provide a more accurate location of suspects whose cell phones are being tracked. This technology will lead to more expeditious apprehension of criminals and reduce the law enforcement human resource associated with locating the suspect.

All funding will be used for equipment purchase.

Miami-Dade County
111 NW 1st Street
Suite 1032
Miami, FL 33128

Project: Mortgage Fraud Task Force
Account: Byrne Justice Assistance
\$1,000,000

The funding for this project would be used for the creation of a mortgage fraud task force national model to train law enforcement individuals in those identified communities which represent the ten highest concentrated areas affected by mortgage fraud. The Miami-Dade County Mortgage Fraud Task Force will serve as a national model based on its proven performance. The national model will be coordinated by Miami-Dade County and administered by the U.S. Department of Justice.

Miami-Dade County Mayor Carlos Alvarez created the Miami-Dade County Mortgage Fraud Task Force (MFTF) in September 2007 to respond to the alarming increase in mortgage fraud. The strategy of the MFTF is a multi-discipline public/private approach established to reduce and prevent victimization of individuals and businesses. The MFTF developed and successfully implemented a structured model to develop new regulations, create effective legislation, establish industry standards and requirements for mortgage business professionals, improve public awareness through a multi-media public education program, and establish uniform investigative protocols for law enforcement implemented through standardized training. The MFTF created the model on how to collaborate in a multidisciplinary approach to combat mortgage fraud. As subject matter experts with a proven track record of success in both conducting investigations and creating legislation, the MFTF team is qualified to model their strategies to communities across the country. The purpose of the project is to provide the necessary funding to the MFTF to continue and enhance the combat against mortgage fraud. Funding will be used to provide partial support for the investigative team (19 current positions and 21 new positions). Positions will be staffed by MDPD, Coral Gables Police Department, the Florida Attorney General's office, and the State Attorney (11th Judicial Circuit).

The anticipated benefits include a more effective process of dealing with and prosecuting mortgage fraud in Miami-Dade County and nationwide, and eventually, a decrease in the occurrence of mortgage fraud.

Budget: This includes \$250,000 for training; \$500,000 for prevention and public education; \$1,000,000 for prosecution; \$2,500,000 for identification, investigation and arrest; \$250,000 for legislative initiatives; \$500,000 for regulatory assistance. Total: \$5,000,000; the funding request is \$1,000,000 in federal funds.

Mote Marine Laboratory
1600 Ken Thompson Parkway
Sarasota, FL 34236

Project: Science Consortium for Ocean Replenishment (SCORE)
Account: NOAA/National Marine Fisheries Service
\$3,700,000

Funds will be used to develop and implement new hatchery-based stock-enhancement technology needed to replenish and conserve economically valuable fisheries in the U.S. The

nation's fisheries reached maximum production levels nearly two decades ago. Current catch trends show a high incidence of fully exploited, overexploited, and depleted fish stocks. Fishery depletions in the U.S. have severe impacts on job losses in all fishing-related sectors, including commercial fishermen, sportfishing guides, charter-boat captains and crew, fishing tackle-shop employees, boat manufacturers, processors, wholesalers and retailers.

The nation's fisheries reached maximum production levels nearly two decades ago. Current catch trends show a high incidence of fully exploited, overexploited, and depleted fish stocks. The US is a leading consumer of seafood, with record imports exceeding \$14 billion in 2007, and a record seafood trade deficit of \$10 billion, the second highest natural resource deficit next to imported oil. Fishery depletions in the US have severe impacts on job losses in all fishing-related sectors, including commercial fishermen, sportfishing guides, charter-boat captains and crew, fishing tackle-shop employees, boat manufacturers, processors, wholesalers and retailers.

SCORE research is resolving critical constraints to biological and economic effectiveness of stocking marine organisms into the sea to restore depleted fisheries. A side benefit gained from this focused research is that SCORE also enables improved understanding of the history and ecology of wild stocks in their natural habitats, conditions of the receiving waters, and specific and essential habitat requirements of high-value species. SCORE provides new knowledge needed to educate our nation's youth, at both secondary education and university levels including graduate students, about fisheries-management needs and fish conservation and restoration needs.

Budget: Consortium administration, outreach, SCORE web site, \$200,000; Aquaculture R&D and production, \$1,500,000; Pilot release experiments, \$1,500,000; Snook, Red Drum stock enhancement and economic impact modeling, \$500,000

**Nova Southeastern University
3301 College Avenue
Fort Lauderdale, FL 33314**

**Project: National Coral Reef Institute
Account: NOAA/National Ocean Service
\$998,648**

The goal of the National Coral Reef Institute (NCRI) is to protect and preserve the nation's coral reefs through multidisciplinary basic and applied research on coral reef assessment, monitoring, and restoration, and through training and education. In so doing, NCRI supports and is consistent with the mission, goals, and activities of NOAA in its efforts. Management driven and related research by NCRI aids NOAA in achieving healthy and productive coastal marine ecosystems that benefit society and creates a well-informed public that acts as a steward of coastal marine ecosystems. Nested in a university environment, NCRI provides research output of the highest caliber, aids in the development of management strategies, and reaches out to the community by training future scientists and managers.

The NCRI works to add to knowledge via research and to contribute towards better understanding of reef structure and function relating to issues of assessment, monitoring, and restoration. Through active research programs and collaborations, NCRI undertakes and facilitates hypothesis-based scientific research in mature and emerging reef issues and technologies. NCRI provides scientific synthesis and products for use by the research, management, and conservation communities, including study of minimally impacted, stressed, and imminently threatened and endangered reefs. Assessing, monitoring, and restoring reefs is a priority, especially as it affects and interacts with ecological processes, biodiversity, overall reef function, and reef recovery. NCRI provides a strong scientific focus as well as innovative approaches to relevant scientific issues in coral reef biology and geology.

NCRI has a NOAA-approved plan for continuing and initiating projects. These include further development of assessment, monitoring, and prediction with the advancement of new mapping, monitoring, and ecosystem research, management, and prediction technologies. NCRI external funding initiatives, designed to address and respond to expanding knowledge of coral reefs, has involved support for the 11th International Coral Reef Symposium, the largest coral reef conference in the world.

Throughout NCRI's 10-year history, a hallmark of the Institute has been the dissemination of current scientific information on coral reef assessment, monitoring, and restoration to members of the worldwide coral reef community of scientists, resource managers, technicians, and conservationists. The evaluation and synthesis of scientific information relevant to scientists and marine resource managers have specifically stated goals, initially accomplished through an international scientific conference. Since then, this has been achieved primarily through presentation and publication of findings, as well as an expanded presence on the web.

Since NCRI's beginning, its staff scientists have produced a total of 104 peer-reviewed scientific papers, over 100 conference presentation and abstracts, and numerous technical reports. NCRI leverages federal dollar with other funding to a level of more than three dollars for every one federal dollar.

Budget: Salaries, \$495,387; Travel, \$73,420; Supplies, \$104,500; Contractual, \$50,000; Facilities and Administrative Expenses, \$212,672; Other, \$62,669 (costs for time and materials on projects at sea, scuba-related expenses, IT equipment, workstations and analytical displays, software, postage and shipping). Total: \$998,648.

**Orange County Government
201 Rosalind Avenue
Orlando, FL 32802**

**Project: After School Programs for At-Risk Youth
Account: Office of Juvenile Justice and Delinquency Prevention
\$625,000**

In Orange County, Florida, taxpayers spend an average of \$20,000 a year per juvenile to hold them in incarceration. Over the long term, the costs to society are even higher. By involving children in recreation programs that occupy their time productively and instill positive social and life skills, the community is greatly enhanced at a significant cost-savings to the taxpayer.

Orange County's "REC Squad" and "REC Zone" programs offer young people positive and affordable recreational opportunities. It teaches them life skills and fills a void in young people's lives. Many children are not involved in after school activities, because they are not fully aware of what is available, activities are too far away, or they cannot afford the cost. The goal of the REC Squad and REC Zone programs is to remove these road blocks to getting children involved, particularly for those at greatest risk. The expansion of REC Squad and REC Zone programs into five additional parks throughout Orange County is important to meet the growing demand as more parents must return to work, or are suffering other economic difficulties which make after-care and school break care unaffordable. These programs are especially critical, as a number of after school programs will be cut this year due to pressures on state and local budgets.

Funding will help fully address the areas of need within the County for an expanded after school and out-of-school program for at-risk youth. This would allow for the expansion of these programs into five new areas:

1. Apopka: Apopka Station Park, serving Central Apopka
2. South Apopka: Grace Street Recreation Program, serving South Apopka and Clarcona
3. South Apopka: Freedom Church Recreation Program, serving South Apopka and Clarcona
4. Winter Garden Area: Tildenville Park, serving Tildenville, Oakland, East Winter Garden
5. Pine Hills Area: Barnett Park, serving Pine Hills and Orlovista

\$125,000 in each of these five areas will fund a year-long program for 120 at-risk youth at each program site. Programs are staffed and equipped to provide a safe place for at-risk youth, mostly elementary and middle school children, to go to after school and in the summer. Costs associated with this program include employee salaries and benefits, vehicles, supplies, and leasing costs.

Orlando Health
3160 Southgate Commerce Blvd.
Suite 50
Orlando, FL 32806

Project: Orlando Health Orange County Children's Advocacy Center Programs
Account: Office of Juvenile Justice and Delinquency Prevention
\$500,000

One in four women and one in six men report childhood sexual abuse. Florida has the highest rate of child abuse in the nation, and Orange County, Florida has the highest number of

investigated abuse reports, with a total of 16,608 in 2007. Without proper treatment for abuse, children are at an increased risk for violent behavior and substance abuse. Children who are victims of abuse or neglect have a 47% higher delinquency rate than children who are not subjected to abuse or neglect. With proper care and treatment to help children recover from trauma, these long-term consequences can be prevented.

In the last year, the Orange County Children's Advocacy Center (CAC) provided advocacy to 1,649 young victims, siblings and non-offending caregivers. The program also provided investigation and prosecution services for 3,939 clients and mental health counseling to 926 clients. This program provides more than 28,000 services to clients each year including advocacy, crisis intervention, lethality assessments, non-offending caregiver support and education, and mental health counseling. Clients are referred to the onsite Healing Tree program for specialized mental health treatment. This program implements a family systems model, which treats not only the child victims but also siblings and non-offending caretakers, thus helping to ensure that the family is able to recover in a supportive, healthy environment together.

This request is to ensure that the thousands of families that experience child abuse each year in Orange County, Florida are able to access the services needed to help them recover and heal. Funding will be used to sustain existing Child Advocates and Therapists and other costs, as well as expand the program's capacity to provide services with the addition of two child advocates and four therapists.

Since 1999, the Orange County Children's Advocacy Center has been providing a compassionate response to child abuse in Central Florida. Using a multidisciplinary model, the program coordinates the various agencies involved in the system of care for abused children, including law enforcement, the local court system, and social service agencies, all at one family-friendly location.

Budget:

Personnel Costs: Child advocates (4 full-time), \$172,250; therapists (6 full-time), \$347,530; advanced registered nurse practitioner (70%), \$64,826; program manager (30%), \$28,133; administrative assistant (50%), \$21,659; intake coordinator (50%), \$20,468; behavioral health manager (50%), \$35,792; behavioral health supervisor (50%), \$34,969; evaluation manager (30%), \$19,118; child advocate supervisor (50%), \$28,205.

Other costs: Facility maintenance, \$15,000; office expenses, \$5,000; telephone, \$3,500; administrative costs, \$35,000.

Total project costs: \$831,450

Phoenix House
5501 W. Waters Avenue
Suite 404
Tampa, FL 33634

Project: Drug Treatment Technology Enhancement Initiative, Phase 2
Account: Byrne Justice Assistance
\$700,000

For 41 years, Phoenix House has been helping men, women, and youth who struggle with substance abuse problems. Phoenix House programs address the many issues that derive from and accompany addiction. But, with some 1,100 men, women and teenagers in treatment in Florida each year, there has been a dramatic increase in the infrastructure required and the sophistication of data tracking systems needed to maintain program quality and comply with federal and state agencies.

An integrated electronic client management system that makes possible a new level of individual case management and meets standards for health care records and client reporting would be beneficial to Phoenix House. Funds will be used for Phase 2 of this project in order to complete the acquisition, installation, and training of staff in the use of a clinical management system that will enable Phoenix House to thoroughly assess a client's needs, customize treatment, update clinical records, share data electronically, and help program graduates remain in recovery by providing electronic access to Phoenix House support services.

An integrated electronic clinical management system will allow Phoenix House staff to design and deliver more responsive individualized treatment, more efficiently use staff time, and more effectively share data with treatment partners and coordinate care for their clients. Also, the system will allow Phoenix House to remain connected with their graduates long after the initial treatment episode.

The essential components of this solution will include:

- Intake and assessment tools that systematically gather detailed information about clients to create highly customized treatment plans with benchmarks to gauge progress.
- A comprehensive case management system including electronic treatment plans, progress notes, and reports by which to track client progress, electronically share data with treatment partners, and provide compliance data to funding and referring agencies.
- A billing system compatible with government and managed care requirements.
- An online portal for clients and graduates containing current clinical data, treatment program information, and electronic support services.
- A comprehensive training program to allow Phoenix House staff to become familiar with the system.

Budget: Software, \$475,000; hardware, \$50,000; implementation services, \$100,000; training, \$75,000.

**Tallahassee Community College
444 Appleyard Drive
Tallahassee, FL 32304**

**Project: Florida Public Safety Institute Training Academy
Account: Byrne Justice Assistance
\$400,000**

The tragic events of September 11, 2001 initiated a concerted effort by law enforcement agencies to reduce barriers that impede intelligence sharing. The National Criminal Intelligence Sharing Plan (NCISP) was developed as a key tool that law enforcement agencies can employ to support their crime fighting and public safety efforts. The NCISP developed minimum criminal intelligence training standards for all levels of law enforcement personnel.

In response, the Pat Thomas Law Enforcement Academy (PTLEA), now known as the Florida Public Safety Institute (FPSI) at Tallahassee Community College (TCC), initiated a project to update existing intelligence training programs at FPSI to enable law enforcement and other criminal justice agency personnel engaged in the planning, collection, collation, analysis, and dissemination of information and criminal intelligence to meet NCISP standards. This training helped law enforcement and other criminal justice personnel meet NCISP standards to ensure professional conduct and the capability to achieve a common understanding of intelligence-led policing. Funding support was provided by the U.S. Department of Justice.

The project has seen large progress, and TCC will now utilize federal funding to sustain and expand the program to other state and local law enforcement agencies by implementing online, distance learning strategies. This initiative will implement a blended learning approach that includes interactive on-line content and traditional classroom programs. By employing various course delivery methods, FPSI can assist the departments/agencies in overcoming budget restraints and scheduling challenges, thereby benefiting the officer, the department/agency, and the public.

The project will build on the strong partnerships that FPSI has established with the Federal Law Enforcement Training Center (FLETC), the International Association of Law Enforcement Intelligence Analysts (IALEIA), and the Institute for Intergovernmental Research (IIR) to deliver intelligence-training programs in the southern region of the nation. This training helps law enforcement and other criminal justice agency personnel meet NCISP standards to ensure professional conduct and the capability to achieve a common understanding of intelligence-led policing.

Budget: Personnel - \$320,000; travel - \$30,000; and equipment/supplies - \$50,000.

**Technological Research and Development Authority
1050 West NASA Boulevard
Melbourne, FL 32901**

**Project: Space Alliance Technology Outreach Program
Account: NASA
\$4,000,000**

With the looming gap between the retirement of the current shuttle fleet in 2010 and the development of the next generation of spacecraft, the sustainability of the space program rests on NASA's ability to foster private industry partnerships throughout the emerging commercial space sector.

As a result, the Space Alliance Technology Outreach Program is essential to providing the technical assistance and technology transfer expertise necessary to ensure that impacted aerospace companies remain viable, competitive and sustainable in the challenging marketplace.

The mission of the Space Alliance Technology Outreach Program (SATOP) is to transfer the knowledge and technology of the U.S. space program to small businesses. The program does so by providing up to 40 hours of free technical assistance to small companies located across the nation, helping them solve engineering and technical challenges that ultimately increase their odds of succeeding. SATOP utilizes the vast technical resources of the U.S. space program's contractors, NASA centers, universities and colleges. Professionals within these participating organizations provide their time and expertise in solving the challenges brought by the small businesses.

The TRDA administers this program in collaboration with three regional nonprofit corporations: the Bay Area Houston Economic Partnership in Texas; the Greater Syracuse Chamber of Commerce in New York; and, the Regional Development Corporation in New Mexico. These operational centers serve as hubs to provide service to businesses located in any of the 50 states.

Objectives and Deliverables

SATOP seeks to provide up to 40 hours of assistance to more than 400 small businesses per year. On average, each technical challenge submitted to SATOP requires 25 hours of assistance, resulting in 10,000 hours of assistance rendered each year. The annual assistance provided to the 400 small businesses served typically results in \$120 million in economic impact from new sales and capital investment. It also typically results in the creation or retention of at least 270 jobs.

Impact

SATOP has solved more than 2,100 requests for technical assistance, infused more than \$570 million into the U.S. economy, and created or retained more than 1,300 jobs. The results and success stories generated by SATOP have been profiled in over 100 media sources, including: Inc. Magazine, Entrepreneur Magazine, Forbes, and NBC National News.

Support

Space Alliance partners have provided more than 42,000 hours of technical assistance to small businesses via SATOP. Space Alliance Partners include companies like Boeing, Lockheed Martin, United Space Alliance, SAIC, and several others. In addition, more than 120 economic development agencies have acted as local points of contact for SATOP in their respective communities.

Budget:

\$2,370,000 - Technical support and program assistance

\$111,000 - Travel

\$186,000 - Marketing outreach to small businesses

\$238,000 - Office expenses

\$65,000 - Impact studies and monitoring

\$1,030,000 - Administration and operations

\$4,000,000 - Total

The ARISE Foundation

824 US Highway 1

Suite 240

North Palm Beach, FL 33408

Project: ARISE Life-Management Skills Intervention/Re-entry Program for High Risk Youth

Account: Office of Juvenile Justice and Delinquency Prevention

\$1,000,000

The ARISE Intervention/Re-entry program provides Florida Juvenile Justice staff on a statewide basis with in-depth training and specialized ARISE Life Management Skills lessons to conduct guided group discussions with incarcerated high-risk youth. Topics include anger and conflict management, how to get a job and keep it, why violence, substance abuse and gangs will wreck their lives and other vital subjects. The ARISE program has been developed so it is easily absorbed and understood by youth reading at very low levels often suffering from trauma and emotional problems.

Due to the inherent problems juvenile justice staff have in dealing with often resentful and violent juvenile offenders held under lock and key, ARISE has designed five additional days of training focused on those who work in this crisis environment, managing difficult juvenile populations. The ARISE-CHOICES training reduces stress by providing tools needed to defuse violence, conflict and angry outbursts in a peaceful manner.

ARISE serves juvenile justice facilities throughout the state of Florida. The ARISE program is estimated to cost \$1.70 per hour per youth. Stopping the cycle of crime and gang violence by helping youth in the juvenile justice system learn the skills necessary to succeed in life will help these juveniles turn their lives around, and save taxpayer dollars in the future.

Since 1986, ARISE has trained over 5,800 certified life skills instructors who have gone on to teach over 4 million documented hours of evidence-based life skills lessons.

Budget: Personnel, \$560,000; travel, \$44,000; equipment, \$30,000; supplies, \$160,000; consultants, \$126,000; other, \$80,000. Total: \$1,000,000

University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149

Project: Joint Center for Hurricane Research
Account: National Oceanic and Atmospheric Administration
\$5,000,000

Funding will be used for the Joint Center for Hurricane Research (JCHR) in Miami to conduct basic and applied research to improve and expedite hurricane forecasts through rapid transition of results to NOAA operations. The goals of JCHR are to improve the understanding of the physical processes that lead to extreme winds and heavy rain in hurricanes and to develop an integrated hurricane forecasting system that is based on state-of-the-art models, observations, and data techniques. The benefits will include much improved warnings to the public of when and where damaging winds and heavy rain will occur, thereby enabling emergency planners to provide for the appropriate level of preparedness and minimizing the costs of unnecessary preparation and evacuations. The JCHR will collaborate closely with the National Hurricane Center (NHC), the National Center for Environmental Prediction (NCEP) Environmental Modeling Center (EMC), NASA, the National Center for Atmospheric Research (NCAR), the Naval Research Labs (NRL-Monterey and NRL-Stennis) and the broader research community.

The expected outcome of JCHR will be an advanced, comprehensive, real-time forecasting system and research facility that is capable of:

1. Conducting fundamental research on the critical problems that underlie the limits of hurricane prediction on time scales ranging from hours to weeks.
2. Providing high-resolution wind, storm surge, and rainfall forecasts.
3. Assessing hurricane impacts including the potential loss of life, economic damage, insured losses, power outage, surge and fresh-water flooding.
4. Rapid transition of research results to NOAA and other operations.
5. Training the next-generation scientists and forecasters with innovative educational tools related to hurricane impacts.

A recent report from the Hurricane Intensity Research Working Group (NSF's National Science Board and NOAA's Science Advisory Board) states the importance of improving the nation's ability to provide better forecasts of rapid changes in hurricane structure and intensity and of storm impacts. The faculty at the University of Miami and project collaborators in NOAA and

the National Hurricane Center, as well as other universities in Florida, Washington, Georgia, Colorado, Oklahoma, and Texas are the largest group of leading scientists in the nation working to achieve these goals. The ultimate goal of JCHR is to transform real-time forecasts of weather elements or hurricane characteristics into predictions of impacts on humans, their living space, and the natural environment. JCHR will not only develop innovative science and technology but also train the next generation of scientists and forecasters with the skills necessary to meet new challenges. This fusion of academic and government partners working closely together as a center across the program will form a unique asset to quickly transition advanced research and technology into operations.

Budget: Scientific and technical personnel at the University of Miami, \$2,500,000; Scientific and technical personnel at partner universities, \$1,000,000; High performance computing and networking equipment, \$1,500,000.

Youth Crisis Center, Inc.
3015 Parental Home Road
Jacksonville, FL 32216

Project: Touchstone Village Housing for At-Risk Youth
Account: Office of Juvenile Justice and Delinquency Prevention
\$387,326

Touchstone Village is an independent living and transitional living complex and program whose primary function is to prepare disconnected youth for the transition to adulthood. The program will focus on youth who have no family support system, who have not finished high school, and have no marketable skills. Clients who come to Touchstone Village will be youth in foster care (or who have recently aged out), youth referred from juvenile justice programs, and youth who are temporarily or permanently homeless.

In northeast Florida, approximately 150 youth “age out” of foster care annually. An additional 50 youths who have no family support system come through YCC’s crisis center annually. Touchstone Village provides these at-risk youths with an intervention program that provides stable housing in a caring environment supported by therapeutic services, education/career planning, job readiness development and independent living skills, all with a focus of helping them successfully transition to adulthood.

Touchstone Village is a program for 40 youth and young adults on 3.7 acres of property adjacent to YCC’s crisis center. The complex will include a 20-unit Transitional Living Program (TLP) for 16-17 year olds and a 20-unit apartment complex for 18-21 year olds in the Independent Living Program (ILP).

At admission, each youth receives a comprehensive screening, including medical, psychological, vocational, educational, and independent living assessments. In conjunction with professional

staff members, youth develop individual goal plans which will include educational, vocational, behavioral, and personal goals.

In the first phase of the program, lasting 3-6 months, youth are stabilized and oriented towards life goals in a highly structured environment. In the second phase, lasting 12-18 months, youth become more deeply entrenched in education and vocational pursuits while still being closely supported by professional staff.

In the third phase of the program, youth move into an individual, private apartment on campus. Youth will continue education and vocational endeavors on a more independent basis, but still under the auspices of a "Life Coach." During their entire stay, youth engage in training to continue developing their independent living skills. This phase lasts approximately 12-18 months and will prepare youth to be able to move into the community independently. Touchstone Village continues to provide emotional support services to young adults once they move out on their own.

The outcomes of this intensive program will include: youth will stay out of the criminal justice system; youth will be pursuing or have completed post-secondary education; youth will be trained in independent living skills; youth will be employed; and youth will move into the community independently and become productive citizens

This residential program provides a comprehensive array of Transitional and Independent Living services which are provided in a positive environment that is well organized with a supportive structure that is sensitive to each youth's individual needs.

These at-risk youths need an intervention program that provides stable housing in a caring environment supported by education/career planning, job readiness development, therapeutic services, and independent living skills, all with a focus of helping them to successfully transition to adulthood. Youth Crisis Center (YCC) has provided delinquency prevention services for over 30 years.

Budget: Personnel \$201,451; Rent \$40,000; Utilities \$28,000; Telephone \$5,000; Facility repairs \$2,500; Maintenance contracts \$3,750; Fuel for vehicles \$2,500; Repairs, maintenance for vehicles \$2,000; Information systems expense \$1,500; Human Resources expense \$1,500; Office supplies \$4,000; Postage/shipping \$1,000; Printing \$1,000; Insurance \$17,500; Bookkeeping, auditing \$5,000; Payroll expense \$2,500; Mileage reimbursement \$1,500; Food \$47,500; Food supplies \$2,750; Household supplies \$6,000; Client expense \$4,000; Personal care items \$3,125; Office equipment lease \$3,250. Total cost: \$387,326.

Please know that I appreciate you and your staff's hard work. If you need additional information, please don't hesitate to contact me. Thank you for your consideration of these requests.

Sincerely,

A handwritten signature in blue ink that reads "Mel Martinez". The signature is written in a cursive, flowing style.

Mel Martinez
United States Senator