

## **FY2011 Commerce, Justice, Science, and Related Agencies**

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### **A Child Is Missing, \$100,000**

*A Child Is Missing, Inc., Broward County, Florida*

Funds will be used to assist law enforcement agencies in the first few hours a child or an elderly adult is reported missing. Every 40 seconds a child goes missing. 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. A Child Is Missing has worked 6,980 cases in Florida and has been credited by Florida law enforcement agencies with 111 successful recoveries.

### **ARISE Life-Management Skills Intervention and Re-entry Program for High Risk Youth, \$250,000**

*The Arise Foundation, Palm Beach County, Florida*

Funds will be used 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. Mounting evidence suggests that sustained participation in structured, group activities is key to healthy development and positive outcomes for troubled youth. Stopping the cycle of crime and gang violence by helping this population learn the skills necessary to succeed in life is an investment in our children and in our communities.

### **At-Risk Youth and Child Abuse Prevention Program, \$100,000**

*Ohel Children's Home And Family Services, Miami-Dade County, Florida*

Funds will be used to support Ohel's At-Risk Youth and Child Abuse Prevention Program, an ongoing service that recognizes the need for intervention on the individual, family, organizational and community level and seeks to enhance the social and emotional functioning of children. The program provides community training workshops that emphasize communication with youths to address self esteem, conflict, relationship building, and at-risk behaviors. Since 1969, Ohel has served abandoned, abused and neglected children, as well as families in crisis. This program seeks to reduce the harmful behaviors that often lead to addictions and violence among youth.

### **Automated Fingerprint Identification System Upgrade, \$400,000**

*Manatee County Board Of County Commissioners, Manatee County, Florida*

Funds will be used to advance and upgrade the technology of the AFIS system used by Manatee and Sarasota counties. In 1997, Sarasota and Manatee Counties jointly participated in the development of an Automated Fingerprint Identification System (AFIS). The AFIS system used by the two counties has extended past the useful lifecycle and requires an upgrade of both hardware and software components to ensure reliable identification of individuals in the pursuit of homeland security and crime fighting.

### **Automated Flight Safety System (AFSS) Test Bed, \$2,500,000**

*Space Florida, Brevard County, Florida*

Funds will be used to establish capabilities for performance of Automated Flight Safety System testing and validation activities. The AFSS will allow streamlining of Range operations and costs to enable the Cape to be more cost competitive with international launch industries.

**CFCC Center for Law Enforcement Training & Wellness Education, \$2,500,000**

*Central Florida Community College, Marion County, Florida*

Funds will be used to provide more classrooms and lab facilities for Central Florida Community College's Criminal Justice Institute. Existing space is at capacity. The Institute trains law enforcement, correctional, probation officers, and first responders from Marion, Citrus, and Levy Counties. The project would also harden a large scale community shelter for natural disasters or other emergencies.

**Child Safety and Adoption Initiative, \$200,000**

*Forever Family, Inc., Broward County, Florida*

Funds will be used to educate and recruit adoptive parents, mentors, etc. Expanding these efforts will help to reduce crime, alcohol and drug abuse, and homelessness among orphans, particularly those transitioning out of the foster care system. For every child in foster care, Florida pays an average of \$40,000 per year. Increasing the number of adoptions decreases the number of children who must fully rely on a state funded system.

**Clean Energy Initiatives, \$1,500,000**

*Space Florida, Brevard County, Florida*

Funds will be used to develop a plan to integrate complementary technologies into the Kennedy Space Center's 1 Mega Watt solar farm. This project will enhance the economic viability of solar power derived from photo voltaic cells/panels, identify energy industry solar power hardware elements that might be leveraged by NASA for use in the Exploration program, and reduce NASA's energy expenses for terrestrial applications.

**Comprehensive Management of Offenders with Co-occurring Mental Illness and Addiction Disorders, \$1,250,000**

*Alachua County, Fl, Alachua County, Florida*

Funds will be used for a comprehensive plan to manage offenders with co-occurring mental illness and substance abuse disorders. Alachua County proposes an integrated, coordinated continuum of care using evidenced-based practices. Persons will be assessed and provided with a level of treatment consistent with individual need. This innovative approach could prove to be an effective keystone to alleviate jail overcrowding by reducing the recidivism rate which is prevalent with offenders suffering from a mental illness compounded by drug abuse.

**Cooperative Grouper-Snapper Fisheries Data Collection, \$5,000,000**

*Florida Fish and Wildlife Conservation Commission, Leon County, Florida*

Funds will be used for new and expanded cooperative grouper-snapper fishery data collection programs. The project will support decision making and resource allocation by the South Atlantic and the Gulf of Mexico Fishery Management Councils by improving scientific surveys, data collection and analysis for snapper and grouper population assessments.

**Development of a Vertical Integration Facility and Mobile Launch Platform, \$5,000,000**

*Space Florida, Brevard County, Florida*

Funds will be used for design and construction planning for a Vertical Integration Facility and Mobile Launch Platform. This project would double the processing capacity for the Atlas V, and allow more launch flexibility by enabling the process of two vehicles in parallel.

**Equipment for Tactical Law Enforcement Teams, \$162,500**

*Collier County Sheriff's Office, Collier County, Florida*

Funds will be used to procure 24 Recon Scout XT reconnaissance devices for six tactical law enforcement teams in the southwest Florida area. The Recon Scout XT is a valuable life-saving technology that could potentially save the lives of law enforcement personnel in southwest Florida by providing increased situational awareness in hazardous situations. Tactical law enforcement officers, such as SWAT team members, are often faced with hazardous situations that present serious risk of injury or death.

**Expansion of Emergency Crisis Shelter Services for youth under 21, \$187,500**

*Covenant House Florida, Broward County, Florida*

Funds will be used to expand services for at-risk homeless and runaway youth, and increase the amount of beds at Covenant House Florida. This will eliminate the need for a waiting list and ensure that all at-risk, homeless, and runaway youth under 21 seeking emergency shelter are immediately granted and provided a bed, food and access to counseling and comprehensive support services, including employment training. These at-risk youth have no other resources available in the community and are left to survive on the streets, where they can become victims of predatory adults or get involved in illegal activities.

**Expansion of the Outward Bound FINS Program to Northeast Florida, \$250,000**

*Outward Bound, Leon County, Florida*

Funds will be used to expand the capacity of the Outward Bound Families in Need of Services (FINS) program in Florida. FINS are risk-focused prevention programs targeting at-risk youth and status offenders ages 13 to 17 living in communities with high rates of juvenile crime and are at greater risk of becoming delinquent. The FINS program currently provides effective prevention services (Social and Life skill training, Goal Planning, Behavior Intervention & Management, Non-therapeutic counseling, and Family Mediations) for youth and families in Brevard, Monroe, Dade, Orange, Volusia and Seminole Counties. The proposed expansion will provide FINS services in NE Florida Duval, Nassau, Lake, Alachua, Marion

**Florida Public Safety Institute, \$200,000**

*Tallahassee Community College, Leon County, Florida*

Funds will be used for the criminal intelligence training program at the Florida Public Safety Institute at Tallahassee Community College (formerly known as the Pat Thomas Law Enforcement Academy). FPST's intelligence training program enables law enforcement and other criminal justice agency personnel engaged in the planning, collection, collation, analysis, and dissemination of information and criminal intelligence to meet the National Criminal Intelligence Sharing Plan (NCISP) standards developed in response to the tragic events of September 11, 2001.

**Grouper Fishery Enhancement Project, \$191,160**

*The Florida Keys Community College, Monroe County, Florida*

Funds will be used to rear larval grouper fish through juvenile stages to then release into nursery habitats where they will develop naturally until ready for coastal reef environments. Wild stocks of ecologically important marine fish species continue to decline to threatened and endangered levels. This project will strengthen the grouper population and protect delicate natural habitats.

**Gulf States *Vibrio vulnificus* (V.v.) Consumer Education Program, \$500,000**

*Gulf And South Atlantic Fisheries Foundation, Inc., Hillsborough County, Florida*

The Gulf and South Atlantic Fisheries Foundation, Inc. is a regional, nonprofit research and development organization with a general membership and Board of Trustees representing a wide spectrum of the commercial fishing industry throughout the southeast. Through the Foundation, the commercial seafood and fishing industry can collectively identify industry needs, and address those needs through appropriate research and other activities.

**International Space Station/National Laboratory, \$1,500,000**

*Space Florida, Brevard County, Florida*

Funds will be used for the development of a National Laboratory master plan that addresses the roles of federal, academic, and industrial entities with an interest in furthering science and technology research and developing supportive fields such as earth observation, life science, and manufacturing. The purpose of this project is to optimize the use of the National Laboratory and other national assets, such as Florida's Space Life Sciences Laboratory.

**Junior Achievement Competitive Edge Program, \$125,000**

*Junior Achievement Of West Central Florida, Pinellas County, Florida*

The Junior Achievement (JA) Competitive Edge Program would establish a rigorous and disciplined approach to developing organizational best practices in the area of high school entrepreneurship education outreach. The program would seek to test, evaluate, replicate, and then scale ideas which inspire and prepare young people to be future entrepreneurs. The project would be implemented through approaches focused on entrepreneurship learning, program application in a competitive environment, and expanded delivery in urban and underserved areas. JA is the world's largest organization dedicated to educating students about workforce readiness, entrepreneurship and financial literacy through experiential, hands-on programs.

**Launch Complex-36/46 Infrastructure, \$5,000,000**

*Space Florida, Brevard County, Florida*

Funds will be used to develop and convert LC-36 from an obsolete, unused Atlas launch pad into a multi-vehicle commercial launch pad capable of supporting Space Station supply missions and other commercial missions, and to refurbish LC-46 to return it to operational status as a multi-vehicle solid-propellant booster launch complex. There is a strong national need for a robust commercial space launch capability. This project will allow Space Florida to establish capabilities for multi-vehicle commercial launch pads capable of supporting Space Station supply missions and other commercial missions.

**Law Enforcement Technology Computer Aided Dispatch, \$350,000**

*City Of Cocoa, Florida, Brevard County, Florida*

Funds will be used for an updated and reliable Computer Aided Dispatch System for the City of Cocoa. This will replace a system that currently reports failures an average of twice a week. A new CAD/RMS system will properly allow for a reliable 24-hour, 7-days-a-week system to document all incoming police, fire and after-hours water service emergencies. Additionally, an updated and modern system will allow for improved gathering of analytical data to support investigations tracking of crime trends, and responses to public records requests.

**Leon County/City of Tallahassee Public Safety Complex, \$2,500,000**

*Leon County, Leon County, Florida*

Funds will be used to enable Leon County and the City of Tallahassee to jointly construct a Public Safety Complex that will house Emergency Medical Services Center, Transportation Management Center, Emergency Operation Center, and administrative space for the Tallahassee Fire Department. This project will improve the coordination of both emergency and non-emergency calls for efficient deployment of public safety resources.

**Mobile Incident Command Center, \$237,500**

*Florida State College At Jacksonville, Duval County, Florida*

Funds will be used to purchase a state-of-the-art mobile incident command post that will train fire, law enforcement, and emergency management personnel, and serve northeast Florida during emergencies. The specialized mobile command post will also serve as a command and control center at the scene of natural and manmade disasters, and will also be used for on-site training and in advanced scenario-based training exercises.

**Nanosat Launch System Acceleration & Upper Stage Development and Manufacturing, \$5,000,000**

*Space Florida, Brevard County, Florida*

Funds will be used to accelerate the development of a Nanosat launch system, accelerate the development of the very-low-cost LOX-Methane upper stage, test demonstration launches at KSC, and initiate operational upper stage production in Florida. The objective of this project is to develop upper stages to support deployment of nano- and small satellites, develop upper stage engines, develop evolutionarily larger upper stage, initiate manufacturing of small LOX-Methane upper stages engines in Florida, and conduct nanosat launches from space shuttle launch and landing facility.

**NASA Outreach Program, \$2,000,000**

*Technological Research And Development Authority, Brevard County, Florida*

Funds will be used to support the authorized NASA Outreach Program that will provide technical assistance to small and emerging companies - specifically minority and women-owned businesses - helping them solve engineering and technical challenges that ultimately increases their odds of succeeding. The Space Alliance Technology Outreach Program has solved more than 2,220 requests for technical assistance and created or retained more than 1,400 jobs. The sustainability of the space program rests on NASA's ability to foster private industry partnerships throughout the emerging commercial space sector.

**On-Orbit Fueling Concept Development, \$2,500,000**

*Space Florida, Brevard County, Florida*

Funds will be used for a one year study of the feasibility, concept design and operations concepts for alternative configurations of on-orbit fuel transport/transfer/refueling. The Augustine Commission identified on-orbit fueling as having the potential to significantly improve the performance of heavy-lift vehicles while achieving appreciably lower total life-cycle costs when compared to more traditional concepts of operation. This technology would apply across Defense, Civil and Commercial satellite sectors. In addition, heavy-lift boost capability is fundamental to Exploration activities.

**Phoenix House of Florida Veterans Drug Treatment Outreach Initiative, \$187,500**

*Phoenix House, Hillsborough County, Florida*

Funds will be used to create a treatment and recovery program for veterans of the wars in Iraq and Afghanistan who are struggling with substance abuse and mental health conditions throughout Florida. The program will be tailored to their unique needs to give the vets the greatest opportunity for successful, long-term recovery. Service members returning from the wars in Afghanistan and Iraq have faced exceptional levels of trauma and are bringing home experiences that have the potential to severely disrupt their daily lives and the lives of those in their family and community.

**Plantation Police Department Technology Program, \$450,000**

*Plantation, Florida, Broward County, Florida*

Funds will be used to acquire and deploy in-car digital video camera systems to enhance the City's crime prevention and detection capabilities, and to acquire and deploy a closed circuit television surveillance system for the city's central park. The Park is the City's largest and most frequented public facility. It hosts national sporting events, clinics, and other activities, drawing large numbers of adults and children. Recently, there has been a rising number of "smash and grab" burglaries and other park related crimes. This project will improve criminal investigations by allowing for stronger evidence, and enhance officer time on patrol while maintaining high standards of conduct.

**Public Safety Radio System Primary Site Upgrade, \$1,500,000**

*Orange County Government, Orange County, Florida*

Orange County government currently operates an 800 MHz trunked Public Safety radio system. Purchased in 1992, it is now extremely out of date. This initiative will allow Orange County to properly manage a phased migration to the latest standards-based digital Public Safety Communication's technology. This first phase will upgrade the radio system core and "brains," and mitigate the risk of a system-wide failure. Subsequent phases will upgrade equipment located on the towers spread around the county over multiple fiscal years allowing the county and local agencies to preserve certain components and maximize the useful life of the existing investment.

**Reusable Launch Vehicle Test Bed and Roadmap for Establishment of Routine RLV Operations, \$5,000,000**

*Space Florida, Brevard County, Florida*

Funds will be used to establish a Reusable Launch Vehicle (RLV) Process and Operations Team from prior Shuttle workforce personnel and develop required operations

procedures and capabilities as required for conduct of future routine RLV operations. The purpose of the project is to continue refinement and streamlining of processes and procedures for conduct of future RLV flight test programs to prepare for future vehicle deliveries to KSC.

**Service Network for Children of Inmates, \$220,000**

*Institute For Children, Families And Justice, Broward County, Florida*

Funds will be used to hire care coordination staff, hire mental health counselors and hire operations researchers. Working with the FL. Dept of Corrections, staff will improve the interface between the criminal justice, social service and medical systems and comprehensively respond to the needs of children with a parent in prison. Children with a parent in prison are three to nine times more likely to become involved in the criminal justice system than their peers. They are twice as likely to have mental health problems. Over 30,000 children in South Florida have a parent in prison. The Network currently serves over 1,000 children in Miami-Dade and seeks to expand services, including into neighboring Broward County.

**Shrimp Industry Fishing Research, \$750,000**

*National Marine Fisheries Service, Miami-Dade County, Florida*

Funds will be used to continue the manufacture and progressive installation of electronic logbook (ELB) technology on shrimp vessels operating in Gulf federal waters in order to generate precise scientific data on shrimp fishing and red snapper bycatch. This project is integral to efforts to end overfishing and rebuild the Gulf red snapper stock.

**Structural Stabilization of Emergency Broadcast Equipment, \$500,000**

*City Of Coral Gables, Miami-Dade County, Florida*

Funds will be used for structural stabilization to preserve areas of an elevated National Historic site that house city and county police relay and related emergency broadcast equipment. Repairs are required to overcome previously undetected problems, caused by a lack of proper maintenance while in the care of the Federal Government. Improvements to such deficiencies will also address various safety concerns and reduce the physical distress of the overall structure. The National Historic Landmark employs over 600 direct and 1,500 indirect jobs in the area and provides an essential part of the economic and social landscape for the region as a cultural center attracting global events. The Landmark also houses emergency communications equipment for the City and serves as an evacuation center for both the municipality and overall region.

**Tampa Police Department Technology Upgrades, \$500,000**

*City Of Tampa, Hillsborough County, Florida*

Funds will be used for hardware and software that support the City's crime reduction efforts, including in-car video technology and ruggedized in-car laptops. The technology upgrades will help to reduce crime and improve law enforcement in the City of Tampa.

**Touchstone Village, \$100,404**

*Youth Crisis Center, Inc, Duval County, Florida*

Funds will be used to operate Touchstone Village, a transitional and independent living program of Youth Crisis Center in Jacksonville for a one year period. Personnel will teach life skills, perform mental health services, and ensure troubled young adults meet educational and vocational goals.

**Upgrade Facilities for Support of Commercial Re-Supply of ISS, \$3,000,000**

*Space Florida, Brevard County, Florida*

Funds will be used to upgrade and operate select facilities at the Kennedy Space Center that will be in excess once the International Space Station (ISS) assembly is complete and the Space Shuttle manifest is completed. The facilities would be used for commercial re-supply processing, storage, recovery and refurbishment. Current vehicle integration building and hangar spaces planned for support of commercial cargo and crew initiatives are insufficient to process the number of planned ISS support launches currently under contract. This project will create opportunities for both direct aerospace jobs as well as complementary industry jobs to support

**Youth Crime Watch of Florida Local Program Enhancement, \$100,000**

*Youth Crime Watch Of Florida, Miami-Dade County, Florida*

Funds will be used to provide dedicated, technical assistance to 160 middle and high schools throughout the Greater Miami, Ft. Lauderdale, Tampa Bay and Tallahassee areas in the form of trained, qualified regional coordinators. This program will result in increased self-confidence, enhanced leadership skills, and greater problem solving ability, which will ultimately lead to safer schools with a lower incidence of violence and antisocial behavior.