Florida Biomass to Biofuels Conversion, $3,000,000
University Of Central Florida, Orange County, Florida

Funds will be used to establish a R&D intiative throughout the State University System of Florida that would accelerate research and commercial development of emerging technologies for the conversion of cellulosic biomass waste to ethanol and other biofuels. The R&D initiative will identify new markets for agricultural waste products and enhance economic development in the rural economy of the State of Florida.

Center for Integrative Bioenergy Research and Training, $4,000,000
Florida A & M University, Leon County, Florida

Funds will be used to create a research center that will embark on high quality research in bioenergy and related technologies that meet the needs of the nation, with a focus on training the next generation of scientists in bio-based products, bioenergy, alternative energy, and environmental sustainability. Florida A & M University (FAMU) proposes to work collaboratively with elementary, middle and high schools in the southeast to increase awareness in the bioenergy industry to create a pipeline of students to pursue careers in the sciences.

Citrus Canker and Greening Research, $10,000,000
Florida Citrus Mutual, Polk County, Florida

Funds will be used to continue research on vital citrus Canker, citrus Greening/Huanglongbing (HLB) and Asian Citrus Psyllid (ACP) by the U.S. Department of Agriculture's Agricultural Research Service (ARS) and the Cooperative State Research Education and Extension Service (CSREES). The research will improve technologies for treatment and detection, methods of movement and containment, and means to control and eliminate these devastating citrus diseases and disease vector. Currently, citrus Canker disease, the spread of ACP and citrus Greening/HLB are the most serious diseases facing the U.S. citrus industry. They have been declared endemic in the state of Florida and pose serious threats to the viability of the U.S. citrus industry.

Citrus Health Response Plan, $50,000,000
Florida Citrus Mutual, Polk County, Florida

Funds will be used to provide a regulatory framework that identifies production standards to enhance the citrus industry's ability to produce fruit suitable for the marketplace, protect the integrity of the citrus nursery certification program, and provide a means by which citrus pests, diseases and disease vectors do not spread to other citrus-producing states. With citrus canker and Greening/Huanglongbing (HLB) being endemic in Florida, as well as other exotic citrus pests, diseases and disease vectors on the doorstep, new approaches have become necessary to help protect U.S. citrus production and mitigate the impact of these unwanted pests. In Florida alone, commercial citrus is a $9 billion dollar a year industry that supports almost 90,000 jobs. California and Texas combined have over a $3.2 billion economic impact with over 26,000 jobs in their respective states.

Community Center/EMS & Fire Facility, $5,500,000
Wakulla Board Of County Commisioners, Wakulla County, Florida

Funds will be used to create a centrally located Public Emergency Facility and Center to be used in the event of hurricanes, tornadoes, epidemics, civil defense and all other situations where a large portion of the community would need assistance. The Center would ensure real-time coordination and communication between emergency services to protect Wakulla citizens.

East Putnam Regional Wastewater Project, $5,000,000
Putnam County Board Of County Commissioners, Putnam County, Florida

The East Putnam Regional Wastewater Project will provide a regional wastewater collection, treatment and disposal service to the communities east of the City of Palatka and along the eastern shore of

the St. Johns River. Due to leaking septic tanks, this area is experiencing the contamination of individual wells that produce the potable water supply, and potential pollution of our navigable waterways, including the St. Johns River and Dunn's Creek. The new wastewater treatment system will enable both commercial and residential expansion and development in the unincorporated areas of East Palatka, San Mateo and Dunn's Creek that are suffering zero growth because of the lack of publicly owned water and wastewater service.

Expanded Solid Waste Transfer Station, $3,000,000
Wakulla Board Of County Commisioners, Wakulla County, Florida

Funds will be used for construction of an expanded transfer station and closure of the Class III landfill at the existing Wakulla County landfill/transfer station site. The estimated construction cost of the project is $3 million. This project will increase the disposal and recycling of all forms of waste and limit the creation of new landfills in environmentally sensitive coastal areas, protecting public health and water quality.

Lawtey Wastewater Collection Facilities and Equipment Project-Phase II, $1,000,000
City Of Lawtey, Bradford County, Florida

Funds will be used to replace Lawtey's Hydro-Pneumatic Tank for its Potable Water System and complete Phase II of the city's Wastewater Collection Facility. Old decaying septic tanks have caused serious contamination issues of ground water and potable water.

MalaCompra Waterway Drainage Basin - Stormwater Retrofit Enhancement Basin, $5,000,000
Flagler County Board Of County Commissioners, Flagler County, Florida

Funds will be used for the design and construction of a stormwater treatment and conveyance system. The Washington Oaks State Park and MalaCompra Waterway in Northeast Flagler County define a coastal basin that drains directly into the Matanzas River. Nearly all of the developed areas are served by septic tanks and many with wells. During heavy rainfall and severe weather, large releases of contaminated water flow into the natural system, which threatens the viability of the estuary itself and creates serious hazards to public health and safety.

Research on Natural Product-Based Therapeutics for Prevention and Treatment of Allergies, $2,250,000
Tampa Bay Research Institute, Pinellas County, Florida

Funds will be used for used to develop a natural immune modulator/adjuvant capable of enhancing the efficacy of agriculturally important vaccines. Vaccination of agriculturally important animals has been used successfully in the past to protect livestock, eradicate diseases, and make our food safe.

Risk Reduction for Agricultural Crops, $5,000,000
Florida State University, Leon County, Florida

Funds will be used to develop improved methods and tools that help decision makers in agriculture, forestry, and water resources management to forecast droughts and other extreme climate events. Advances in climate science give us the ability to forecast probable shifts in seasonal climate, which can be used by agriculture and forest managers to mitigate $500 million or more in losses annually.

Ruskin Tropical Aquaculture Research, $300,000
Hillsborough County, Hillsborough County, Florida

Funds will be used to provide much needed science-based technologies in nutrition, reproduction, health and water quality management issues for the tropical ornamental aquaculture industry, based primarily in Hillsborough County. The U.S. aquaculture industry generates sales of $60 million annually and accounts for an estimated 85% of production in the United States, but is facing increasing foreign competition from Malaysia, Singapore, Thailand, Indonesia and China.

Southeast Climate Consortium, $5,000,000
University Of Miami, Miami-Dade County, Florida

Funds will be used to explore alternative management responses to realistic climate scenarios, establish communications process that can rapidly disseminate climate information, identify the impacts of ENSO-related climate variability on agricultural commodities and specialty crops, and study the agricultural impact of water managers' decisions in response to climate variability. The Southeastern Climate Consortium will predict the annual cost of farm programs and learn how to control costs that are critical to the USDA's mission.

US Agricultural Research Laboratory, Canal Point, FL Facility Replacement, $3,000,000
Sugar Cane Growers Cooperative, Palm Beach County, Florida

Funds will be used to provide support to a wide variety of valuable crop-based research, enabling increased and enhanced research into sugar cane for renewable energy development and providing new employment opportunities in South Florida in the sugar industry and in new biofuels-related industry expected to result from this facility's research. The current facilities are inadequate to meet ARS research needs.

US Agricultural Research Laboratory, Canal Point, FL Sugar Cane for Energy Research, $3,425,000
Sugar Cane Growers Cooperative, Palm Beach County, Florida

Funds will be used to support research on achieving maximum efficiency and economic viability for sugar cane ethanol production systems. The use of sugarcane as a feedstock for energy production holds tremendous promise for the sugarcane and renewable fuels industry. Economical production of sugarcane on poorer land areas beyond where the crop is currently grown is required to fulfill the needs for sugar as food and renewable fuel.

US Sustainable Aquaculture Food Technology Innovations (US-SAFTI), $800,000
Mote Marine Laboratory, Sarasota County, Florida

Funds will be used to develop innovative and sustainable (eco-friendly) technologies to farm marine fishes on land and to expand the supply of safe seafood for U.S. consumers, thus creating environmentally friendly technologies and creating jobs in an emerging industry in Florida. For U.S. marine aquaculture production to expand and develop, innovative approaches to address the constraints being faced by the emerging aquaculture industry must be developed.

Wastewater Treatment Plant Expansion, $1,000,000
City Of Waldo, Alachua County, Florida

Funds will be used to assist with the expansion of the City of Waldo's Wastewater Treatment Plant. The City of Waldo's Wastewater Treatment Plant (WWTP) is over 25 years old and in very poor condition. This project will create approximately 44 new jobs and protect vital services that the City's residents depend upon.

Wastewater Treatment Plant Improvements, $1,000,000
Town Of Hilliard, Nassau County, Florida

Funds will be used to provide improvements to the Town of Hilliard's Wastewater Treatment Plant to meet nitrogen effluent limits. These improvements will allow the Town's Wastewater Treatment Facility to operate safely and efficiently, and provide sufficient treatment capacity to handle the increased residential development which is occurring within and around Hilliard.

Water and Sewer Improvements and Economic Development Projects, $1,950,000
Town Of White Springs, Hamilton County, Florida

Funds will be used to provide drinking water to local residents and to eliminate septic tanks in an environmentally sensitative area, imporving the Suwannee River water quality.

Water Conservation and Agriculture with Improved Technology, $1,500,000
University Of Florida, IFAS, Polk County, Florida

Funds will be used to install weather stations along with soil moisture and salinity sensors in several research plots and grower/cooperator fields. This equipment will allow growers to understand how deep water moves after irrigation in order to reduce water loss and minimize deep leaching nutrient loss. Florida and the southeastern U.S. are facing new challenges related to increased water scarcity and competition for water. New technology can aid in irrigation management and scheduling to avoid over-irrigation and loss of water from deep percolation below the root zone.

Redevelopment of the Amelia River, $5,000,000
City Commission Of The City Of Fernandina Beach, Nassau County, Florida

Funds will be used to facilitate enhanced use of the space by residents and tourists, and to provide a waterfront park. Redevelopment of the Amelia River waterfront will have a tremendous impact on the greater community. Initial infrastructure improvements will not only improve the safety and aesthetics of the waterfront, but will also attract future investors seeking to locate in an already improved area with increased density potential and will lead to the creation of numerous jobs.