

Projects listed in alphabetical order based on requesting organization

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Sugarbeet Research, Kimberly, ID

Name of Organization: Beet Sugar Development Foundation

Description and Justification of the Project: The ARS lab in Kimberly, Idaho is particularly well situated geographically, collaboratively with the industry, and staffed scientifically to do research to protect the sugarbeet against the continual annual threat of losses due to sugarbeet diseases. The project directly funds five full time federal positions at the Kimberly lab and typically two summer positions. Project dollars are spent in the rural communities of Southern Idaho, greatly benefiting the local economies. The impact of the research significantly affects the production capacity and profitability of the entire sugarbeet industry.

Amount of Funding Requested in FY 2010: \$730,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Enhanced Crop Water and Nutrient Use

Name of Organization:
Boise State University
1910 University Drive
Boise, ID 83725-1135

Description and Justification of the Project: This project is meant to improve production efficiency and profitability and to develop new technology for specialty crops that conserve natural resources and enhance long-term production sustainability in Idaho through the development of wireless sensor technology systems for use by growers to collect, display and analyze biological and meteorological data that will guide their irrigation and nutrient management decisions.

Amount of Funding Requested in FY 2010: \$2,000,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Idaho One Plan

Name of Organization:

Idaho Association of Soil Conservation Districts (IASCD)
39 W. Pine Ave., Suite B20
Meridian, ID 83642

Description and Justification of the Project: The OnePlan Conservation Planner helps an agricultural producer complete a conservation plan that addresses all applicable local, state and federal environmental resource conservation requirements. Many conservation plans require comprehensive nutrient management plans and pest management plans. OnePlan Nutrient Management Planner is now employed statewide and is the only official tool used to help producers and planners prepare nutrient management plans in Idaho. The OnePlan Pest Management Planner and Range Management Planner are currently being developed as part of the OnePlan Conservation Planning package.

Amount of Funding Requested in FY 2010: \$200,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Potato Cyst Nematode

Name of Organization:

Idaho Potato Commission
661 S Rivershore Ln # 230
Eagle, ID 83616

Description and Justification of the Project: The APHIS Potato Cyst Nematode eradication program has made significant progress in the eradication effort, and continued dedication of funding is paramount to the effort of eradicating PCN and completely restoring lost markets. The funding for the project is expected to be used to continue to operate the PCN program, which includes maintaining the regulated area, treating equipment to prevent the spread of PCN, educating growers on risk factors, applying fumigants on infested fields to eradicate the pest, and conducting surveys to determine if the infestation is fully contained and the effectiveness of the treatments.

Amount of Funding Requested in FY 2010: \$13,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Greater Yellowstone Interagency Brucellosis Committee, Montana, Idaho, and Wyoming.

Name of Organization:

Idaho State Department of Agriculture
2270 Old Penitentiary Rd.
P.O. Box 790
Boise, ID 83701

Description and Justification of the Project: The state agencies of Idaho, Montana, and Wyoming are members of the Greater Yellowstone Interagency Brucellosis Committee (GYIBC). The GYIBC is working to coordinate federal, state, and private actions involved in eliminating Brucellosis from wildlife in the Greater Yellowstone Area and preventing transmission of Brucellosis from wildlife to livestock.

Amount of Funding Requested in FY 2010: \$2,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Aquatic Nuisance Species.

Name of Organization:

Idaho State Department of Agriculture
2270 Old Penitentiary Rd.
P.O. Box 790
Boise, ID 83701

Description and Justification of the Project: An important part of an effective Early Detection and Rapid Response (EDRR) program for invasive species is the ability to quickly determine the absence or presence of the target species. Given the proximity of Idaho to quagga mussel infested waters in Nevada and California, Idaho is in urgent need of a program for the expedited diagnosis of this species in Idaho waters.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Little Wood River Irrigation District.

Name of Organization:

Little Wood River Irrigation District
20484 Main
PO Box 355
Carey, ID 83320

Description and Justification of the Project: To convert the present open-canal irrigation delivery system to a pressurized pipeline delivery system, with a new screened diversion structure, about 31 miles of pipeline, 2 pump stations, flow measurement facilities, about 100 upgraded farm turnouts, and other improvements. After project is implemented, only 30% of the District's deliveries will require pumping. The project will also conserve approximately 20,000 acre-feet of water annually that was otherwise lost to seepage in the open canal system. Finally, the project will maintain most riparian vegetation growing along the canal system, discharge water to the local aquifer and the Little Wood River, enable residential areas to connect to pressurized water and utilize their water rights, expand local fire protection capabilities, provide increased flood capacity for the Little Wood River, and improve local farming operations.

Amount of Funding Requested in FY 2010: \$3,000,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: National Plant Germplasm Program, Aberdeen, ID.

Name of Organization:

National Small Grains Germplasm Research Facility
Aberdeen, ID

Description and Justification of the Project: The ARS barley research program at the National Small Grains Germplasm Research Facility (NSGGRF) at Aberdeen, Idaho, includes genetic improvement of feed and malting barleys using the latest molecular genetic tools. Recent cutting-edge research focusing on the development of low phytic acid grains for fish, swine and poultry diets is constrained by inadequate funds to support new initiatives.

Amount of Funding Requested in FY 2010: \$300,000 permanent increase

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Nez Perce Bio-Control Center, Idaho

Name of Organization:

Nez Perce Tribe
Bio-Control Center
PO Box 365
22776 Bever Road
Lapwai, ID 83540

Description and Justification of the Project: This funding would be used to manage and establish nurseries to increase biological control organism availability, distribute biological control organisms, monitor their impacts, and provide increased technology transfer to Cooperative Weed Management Areas and other landowners/managers regionally.

Amount of Funding Requested in FY 2010: \$325,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Creating Connectivity Across Nez Perce lands

Name of Organization:

Nez Perce Tribe
Information Systems
120 Bever Grade
P.O. Box 365
Lapwai, ID 83524

Description and Justification of the Project: This project will expand the construction of a 100 Megabit per second full duplex licensed bandwidth network across north central Idaho's rural areas. Five tower structures and network equipment will be installed. By connecting outlying areas that are currently underserved, this project will enhance the delivery of education, healthcare and public safety of all living in Nez Perce territory.

Amount of Funding Requested in FY 2010: \$636,700

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Pocatello Land Conservation Program

Name of Organization:

City of Pocatello
P.O. Box 4169
Pocatello, ID 83205-4169

Description and Justification of the Project: Requested funding will be used to acquire conservation easements on identified lands. Land would then be managed with conservation limitations within existing agricultural management practices for perpetuity. Conservation easements on specific agricultural grounds will be acquired for an entire

tract of currently farmed or ranched lands along the riparian zone boundary on the main stem Portneuf River.

Amount of Funding Requested in FY 2010: \$450,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Barley for Rural Development

Name of Organization:

University of Idaho
College of Agricultural and Life Sciences
606 Rayburn Street, Ag Science, Room 52
P.O. Box 442331
Moscow, ID 83844-2331

Description and Justification of the Project: To increase the efficiency and productivity of the breeding program, and to speed the development of malt and specialty barleys for human health, livestock and fish feed, and ethanol fuel uses. Agriculture is a vital and stable component of Idaho's economy, with Idaho's barley being first in the nation for value of commodity and second for total production. Development of specialty varieties for use in the human diet and animal feed are expanding marketing opportunities for Idaho growers.

Amount of Funding Requested in FY 2010: \$750,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Alternative Crops

Name of Organization:

University of Idaho
College of Agricultural and Life Sciences
606 Rayburn Street, Agricultural Science Building, Room 52
P.O. Box 442331
Moscow, ID 83844-2331

Description and Justification of the Project: This is a nationally coordinated and administered research program designed to meet the sustainable and emerging needs of the canola industry in the U.S. These funds are utilized to address canola research priorities in plant physiology, entomology, agronomic testing, rotation practices, weed control and breeding needs. Idaho has a long history of canola/rapeseed research and

production and the University of Idaho has established a nationally prominent team of scientists working on canola/rapeseed crop genetics and management.

Amount of Funding Requested in FY 2010: \$1,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Aquaculture

Name of Organization:

University of Idaho
Aquaculture Research Institute
Bldg. 2260, Poultry Hill
University of Idaho
Moscow, ID 83844-2260
208-837-9096

Description and Justification of the Project: Funding is used to support aquaculture research projects at UI and WSU directed at solving problems impeding aquaculture production in Idaho and Washington. An Advisory Board comprised of researchers, extension experts, and industry representatives identifies appropriate research topic areas. Funds support collaborative (UI & WSU scientists) research projects in four focus areas identified by the Board. Remaining funds are used to support small, innovative research projects at UI and WSU.

Amount of Funding Requested in FY 2010: \$1,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Bighorn Sheep Vaccine Development

Name of Organization:

The University of Idaho
875 Perimeter Drive,
Moscow, ID 83844

Description and Justification of the Project: Research is needed to determine the causes of bighorn sheep mortality, whether or not domestic sheep serve as a disease vector or asymptomatic carriers of pathogenic organisms that could be transmitted to bighorn sheep under grazing conditions, and find prevention and treatment options such as vaccines. This research will assist with enabling sound public land use decisions related to domestic sheep grazing permits, which affect the livelihoods of domestic

sheep producers in western states. This funding would be utilized to develop methods to control infectious diseases at the domestic animal-wildlife interface with specific focus on bighorn sheep health.

Amount of Funding Requested in FY 2010: \$13,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Drought Tolerant Wheat

Name of Organization:

University of Idaho
College of Agricultural and Life Sciences
606 Rayburn Street, Ag Science Building, Room 47
PO Box 442337
Moscow, ID 83844-2337

Description and Justification of the Project: The ultimate goal of this research project is to deploy current genomics tools to efficiently identify, characterize, develop, and release winter and spring wheat varieties with improved drought tolerance. Improving drought tolerance in wheat varieties will provide significant economic benefits to growers and industries in Idaho, the United States, and the world where the wheat production has been threatened in recent years because of the increased climatic warming and associated phenomena. This project will be conducted by an interdisciplinary team of scientists at the University of Idaho chosen to integrate newer biotechnology tools with classical breeding practices. This project will educate a new generation of plant breeders, and establish a framework for continued collaborations and outreach for them.

Amount of Funding Requested in FY 2010: \$800,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Improving Safety and Shelf Life of Agricultural Commodities

Name of Organization:

University of Idaho
University Research Office, Biological Applications of Nanotechnology Program
Morrill Hall, Room 109
PO Box 443010
Moscow, ID 83844-3010

Description and Justification of the Project: The goal of this project is to enhance the detection of food safety indicators through nanotechnology development that offers fast, accurate detection of biological pathogens and dangerous food toxins to ensure safety and shelf life.

Amount of Funding Requested in FY 2010: \$1,392,741

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Northwest Center for Small Fruits Research

Name of Organization:

College of Agricultural and Life Sciences
Plant, Soil and Entomological Sciences
PO Box 442339
University of Idaho
Moscow, ID 83844-2339

Description and Justification of the Project: This is an on-going tri-state (Idaho, Oregon, and Washington) research effort supporting the development of small fruits and grapes in the Pacific Northwest. Improving the production and processing of these crops is critical for the success of these industries and international markets. Production research is designed to ensure the economic and environmental sustainable production of high-quality health berries and grapes. Research is focused on technology and processes that ensure quality and enhance the health benefits of berries and grapes.

Amount of Funding Requested in FY 2010: \$1,100,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Potato Cyst Nematode

Name of Organization:

University of Idaho
College of Agricultural and Life Sciences
Department of Plant, Soils, and Entomological Sciences
606 Rayburn Street, Ag Sciences Bldg Rm 23
P.O. Box 442339
Moscow, ID 83844-2339

Description and Justification of the Project: Potato Cyst Nematode (PCN) can have a devastating impact on the potato industry in Idaho and the United States reducing yield in the field and restricting the export market potential for the producers. Research is needed to understand the life cycle of PCN to allow for the development of methods to eliminate the nematode from the infested potato fields and to prevent potential infestations in the future. This would include the use of environmentally friendly bio-fumigants and bio-control agents. In addition, research is needed to develop methods to determine the viability of cysts collected from treated fields to allow for certification of those fields as free of PCN. Finally, an extension component is needed to educate producers about PCN and to train producers on how to minimize the risk of infestations of their fields by PCN in the future.

Amount of Funding Requested in FY 2010: \$400,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Potato Research

Name of Organization:

University of Idaho
College of Agricultural and Life Sciences
606 Rayburn Street, Agricultural Science Building, Room 52
P.O. Box 442312
Moscow, ID 83844-2312

Description and Justification of the Project: The purpose of this research is to develop and commercialize new potato varieties to benefit all segments of the Northwest potato industry and indirectly benefit all U.S. producing regions.

Amount of Funding Requested in FY 2010: \$1,800,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Rangeland Ecosystem Dynamics

Name of Organization:

College of Agricultural and Life Sciences
Plant, Soil and Entomological Sciences
P.O. Box 442339
University of Idaho
Moscow, ID 83844-2339

Description and Justification of the Project: Rangelands in the west are increasingly stressed by grazing, wildfire, invasive species, fragmented landscapes due to development and recreation. The Owyhee Plateau and Canyonlands in southeastern Idaho provide a unique opportunity to conduct research on rangeland management. The purpose of this research will be to understand, document and manage the Owyhee region at the landscape ecological level.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: STEEP III

Name of Organization:

University of Idaho
College of Agricultural and Life Sciences
606 Rayburn Street, Agricultural Sciences Building, Room 52
P.O. Box 442331
Moscow, ID 83844-2331

Description and Justification of the Project: Soil erosion affects 10 million acres of cropland in the Inland Pacific Northwest reducing farm productivity. STEEP is a coordinated research and technology transfer program designed to develop and implement erosion control practices for agriculture. Emerging environmental and human health concerns also require control of erosion and other environmental impacts of agriculture. The STEEP program continues to provide Pacific Northwest farmers and supporting agribusiness entities the new conservation technologies, tools and understanding to meet the evolving demands of agriculture, the environment and Pacific Northwest residents.

Amount of Funding Requested in FY 2010: \$2,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Wood Utilization

Name of Organization:

University of Idaho
College of Natural Resources
Department of Forest Products
975 W. 6th Street, CNR Room 102
P.O. Box 441132

Moscow, ID 83844-1132

Description and Justification of the Project: The Consortium brings together the complementary expertise of the three university research programs in the region (University of Idaho, University of Montana, and Washington State University) that focus on forest products and timber harvesting questions. This partnership provides a base for comprehensive investigation of a wide range of questions of importance to the forest products industry.

Amount of Funding Requested in FY 2010: \$550,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Tri-State Predator Control Program

Name of Organization: USDA/APHIS

Description and Justification of the Project: This project would assist livestock producers in Idaho, Montana and Wyoming who annually incur significant losses to wolves and other predators. Increasing wolf populations in the three states continue to cause escalating costs to control wolf damage, including increased costs to control coyote damage in the presence of wolves.

Amount of Funding Requested in FY 2010: \$1,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Tree Fruit Automated Harvesting

Name of Organization: USDA-ARS AFRS

Description and Justification of the Project: This project will enable the design and development of a low cost, robust, dependable autonomous tree fruit picking robot. Machine handling contributes not only to fruit quality but to food safety. The commercially available machine will also make American fruit producers more competitive with foreign growers in the marketplace by reducing costs and increasing fruit quality.

Amount of Funding Requested in FY 2010: \$1,428,921

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Cool Season Food Legume (CSFL) Research Program

Name of Organization:
USA DRY PEA & LENTIL COUNCIL
2780 W Pullman Road
Moscow, ID 83843

Description and Justification of the Project: The CSFL Research Program is a critical tool for the industry to enhance breeding and genetics, find more effective crop management strategies and develop new products and end-uses for pulse crops. Using a team approach encouraging collaboration across disciplines and institutions, CSFL employs scientists from WA, ID, OR, MT, ND, SD, NE and WY. Both university and USDA-ARS scientists work together to conduct research answering the needs of producers across the northern tier states. Results include new crop protection materials, new products and varieties with improved performance.

Amount of Funding Requested in FY 2010: \$1,200,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Pulse Nutrition and Global Climate Change Initiative

Name of Organization:
USA DRY PEA & LENTIL COUNCIL
2780 W Pullman Road
Moscow, ID 83843

Description and Justification of the Project: Global health issues like diabetes, obesity and infant mortality can be prevented by improved nutrition. Legumes are high in protein, low in fat and provide many important nutrients for good health. In addition, legumes generate nitrogen in the soil, reducing the reliance on commercial fertilizer. This reduces the amount of energy required to produce food and improves the global environment.

Amount of Funding Requested in FY 2010: \$2,500,000

FY 2010 Agriculture Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Sclerotinia Initiative

Name of Organization:

USA DRY PEA & LENTIL COUNCIL
2780 W Pullman Road
Moscow, ID 83843

Description and Justification of the Project: For the past five years, the pulse industry has joined with soybeans, dry beans, canola, sunflowers and the USDA-ARS to manage an Initiative currently funded at \$1.7 Million to combat Sclerotinia or “white mold”. This project provides competitively selected research based on scientific merit, an outside review of the progress being made and a forum to report and discuss the results provided to the industry. Reported outcomes include finding sources of resistance, improving basic knowledge about the pathogen, and exploring efficacy of management tools.

Amount of Funding Requested in FY 2010: \$500,000 above the \$1,711,000 base funding.

Projects listed in alphabetical order based on requesting organization

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Twin Falls Police Anti-Meth Equipment and Operations Project

Name of Organization: City of Twin Falls

Description and Justification of the Project: The funding will provide equipment and dedicated personnel to address illegal drug use in the original town site area such as allowing for specific dedicated drug enforcement patrols in these areas, equipment purchases such as a video surveillance system, GPS tracking system, six radios and a drug detection canine. The Old Towne area represents less than 1/6th of the City's total area and population but accounts for 1/4th of the drug crimes.

Amount of Funding Being Requested in FY 2010: \$125,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: National Consortium of Offender Management Systems

Name of Organization: Idaho Department of Corrections

Description and Justification of the Project: Adding a Medical/Mental Health function to the core Offender Management System will address some vital issues many public safety organizations face that house offenders. It is constitutionally mandated to provide adequate medical care to those incarcerated, but the vast amount of treatments and conditions that must be tracked require a robust technological solution. This new function will achieve those requirements to ensure offenders receive the right treatment and minimize the liability to the State.

Amount of Funding Being Requested in FY 2010: \$7,300,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Idaho Meth Project

Name of Organization: Idaho Meth Project

Description and Justification of the Project: Meth abuse and trafficking have been on the rise in Idaho, and it is the number one illegal drug of choice in Idaho. The Idaho Meth Project statewide prevention and public awareness program designed to reduce the prevalence of first-time methamphetamine abuse in Idaho. The funding would support the project's variety of approaches to deliver meth education messages to the Idaho public. This includes a pervasive media campaign reaching our target population through TV, radio, billboards, print, and the Internet.

Amount of Funding Being Requested in FY 2010: \$1,000,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Advanced Nuclear Technology Development for Space Propulsion and Power

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: This project will enable the Center for Space Nuclear Research and INL to attract premier, top-quality students from around the country to work in Idaho Falls. This project will infuse new, high-quality students into the local campus, provide a work-force for the CSNR. to bring in new NASA funded projects to INL, and provide a feed-stream of top-flight students into the INL. The funds are needed because new the few remaining Nuclear Engineering programs in the country are not sufficient to meet the growing demand for new graduates.

Amount of Funding Being Requested in FY 2010: \$1,500,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Idaho State Police Criminal Information Sharing Alliance Network Integration

Name of Organization: Idaho State Police (ISP)

Description and Justification of the Project: The Criminal Information Sharing Alliance Network (CISAnet) provides real time access to criminal intelligence information to all members of the network. Together, access to Idaho's Case Investigative System (CIS) and CISAnet will ensure that Idaho state and local law enforcement officers have the best information available to them in a timely manner. The funding will provide more effective integration requires through new hardware, software and programming.

Amount of Funding Being Requested in FY 2010: \$869,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Boise Center Aerospace Laboratory Watershed Modeling

Name of Organization: Idaho State University

Description and Justification of the Project: This project will develop watershed modeling tools for NOAA and other federal agencies. These tools will enable better management of watersheds through improved topographic analyses for prediction of runoff, floods, and water storage capacity.

Amount of Funding Being Requested in FY 2010: \$500,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Idaho Fisheries Survey

Name of Organization: Idaho State University

Description and Justification of the Project: ISU will develop a project while working with different agencies, to analyze the contributions and consequences of sport and commercial fisheries in the Snake River drainage. This project should also generate the synergies necessary to create a fisheries social science and policy center at ISU. The funds are needed to conduct important fisheries research in Idaho that would not otherwise occur.

Amount of Funding Being Requested in FY 2010: \$500,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Shoshone-Paiute Tribes of the Duck Valley Reservation

Name of Organization: Duck Valley Juvenile Services Center

Description and Justification of the Project: The funds will be used to upgrade the existing Duck Valley Juvenile Services Center, a 27-bed juvenile detention facility financed by the Tribes and the Department of Justice. The funds are necessary to satisfy the BIA's new policies for the design of juvenile detention facilities.

Amount of Funding Being Requested in FY 2010: \$1,200,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Kootenai County Haven

Name of Organization: Kootenai County

Description and Justification of the Project: It is necessary for the community (and the other four northern counties of Benewah, Boundary, Bonner and Shoshone as the hospital is currently used to accommodate this population. The jail is not a practical alternative because a person first has to be medically cleared and/or have a mental evaluation before being placed there. The funds would be used to build a house for the growing population of mentally ill people who can't be taken to jail.

Amount of Funding Being Requested in FY 2010: \$250,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Nez Perce Tribe Children's Home

Name of Organization: Nez Perce Tribe

Description and Justification of the Project: The Nez Perce Tribe Children's Home provides a safe environment and positive experiences for clients referred to the program. NPTCH provides short term care for children who have been removed from parental care, and to provide respite care for providers. The funds will be used in making every effort to sustain the service delivery through salaries, planning and design, and direct services to children and families who have been directly affected by child abuse and/or neglect, or are at risk of experiencing child abuse and/or neglect.

Amount of Funding Being Requested in FY 2010: \$150,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Aquatic Invasive Species Program

Name of Organization: Pacific States Marine Fisheries Commission

Description and Justification of the Project: The West Coast Aquatic Invasive Species Program prevents the introduction and spread of invasive species that threaten the West Coast of the United States. The program elements include monitoring, research, control and

eradication, rapid response and outreach and education relating to zebra and quagga mussels, New Zealand mudsnails, invasive aquatic weeds, Atlantic salmon, green crab, mitten crab, and ballast water. Currently, the State of Idaho is working to prevent the spread of quagga and zebra mussels through programs with Montana, Oregon and Washington, and undertaking a hydrilla eradication program. Funds from this competitive grant program enable the State of Idaho and others to continue these important ANS prevention efforts.

Amount of Funding Being Requested in FY 2010: \$5,000,000

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: NxLevel Online

Name of Organization: Region II Idaho Small Business Development Center
Lewis-Clark State College

Description and Justification of the Project: A large percentage of business startups fail in the first few years of operation. NxLevel training programs are designed to help entrepreneurs advance their skills in starting and managing their businesses and reduce this percentage. By taking this successful training program which has been offered over 5000 times in traditional classroom settings and offering it online, Lewis-Clark State College can impact more small businesses across Idaho and the nation.

Amount of Funding Being Requested in FY 2010: \$161,601

**FY 2010 Commerce Justice Science Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Tribal Law and Order Project

Name of Organization: Shoshone-Bannock Tribes

Description and Justification of the Project: The fund will provide peace officer training to non-certified police personnel who are not certified to either carry firearms or operate vehicles. Training will allow officers to become POST-certified, and accomplish all duties as required.

The funds are needed to ensure that all areas of the Fort Hall Indian Reservation are served, in terms of law enforcement and emergency response, while also providing training to the Tribes' judges in all areas of judicial activity, as it relates to the Tribes' Law and Order Code.

Amount of Funding Being Requested in FY 2010: \$247,000

Projects listed in alphabetical order based on requesting organization

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Advanced Continuous Active Sonar for Unmanned Undersea Vehicles

Name of Organization: Acoustic Research Detachment Through Alion Science and Technology

Description and Justification of the Project: This program is focused on the marriage of an advanced SONAR capability with the stealth, standoff features, autonomy and endurance of a large Unmanned Undersea Vehicle (UUV). While prior efforts under this multi-phased program having addressed the efficacy of implementing the SONAR capability on the candidate platform, this final phase will address the transition of the demonstrated technologies to a tactically significant warfare system with real mission needs and fleet utility. This will include the definition of requirements and concept of operations based on warfare analysis; optimization of component and system configurations to meet such requirements; analysis, evaluation, modeling and simulation based on prior test results to exploit noted phenomena and predict and enhance SONAR prosecution; and other studies necessary to demonstrate readiness of the technologies for transition to a program of record.

Amount of Funding Requested in FY 2010: \$4,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Domestic Manufacturing of 45nm Electronics (DOME)

Name of Organization: American Semiconductor, Inc.

Description and Justification of the Project: Air Force Research Laboratory (AFRL) collaboration with industry has created a new and novel economic supply chain solution as demonstrated in SHARE and ULP programs for foundry wafer fabrication supply. This program, DOME, will deploy the new foundry capability to address the most critical electronics sourcing issue faced for secure supply of advanced Department of Defense integrated circuits in 2012 and beyond. DOME is an AFRL sponsored initiative to implement a 45nm state-of-the-art wafer fabrication capability to meet current and future system requirements for fabrication of specialized integrated circuits in a broadly available foundry capacity that can serve all DOD, DOE, and NASA agencies requiring custom Integrated Circuits.

Amount of Funding Requested in FY 2010: \$4,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: 5.56mm Aluminum Cartridge Case

Name of Organization: ATK CCI/Speer

Description and Justification of the Project: Ammunition manufacturing in the United States has utilized lead based initiating compounds for priming mix for more than 50 years. Lead Styphnate is an extremely good initiating compound with a number of favorable qualities including low cost of manufacturing, safe handling at relatively low moisture conditions, good resistance to humidity, and predictable energetic performance. Unfortunately, the compound includes lead and other heavy metals (barium, etc.). This presents numerous environmental problems, including the mining of the raw materials. In addition, the end user (shooter) is exposed to the combustion of the priming mix when he or she fires their weapon. This project seeks to apply technology development work done by industry in the area of heavy metal free priming compounds to military ammunition requirements.

Amount of Funding Requested in FY 2010: \$2,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Reconfigurable Electronics and Non-Volatile Memory Research

Name of Organization: Boise State University

Description and Justification of the Project: All modern military technologies require the ability to reliably store and process information under extreme conditions. Boise State University and University of Idaho teams are developing new memory devices capable of maintaining their information in the absence of electrical power supplies or in the presence of radiation sources (nuclear and other). These new devices will be usable in the development of the next generation of military technology for use on the battlefield and in satellites. The project will directly support 8 staff/faculty members and up to 12 student employees. As part of educational initiatives within the project, work force training or professional development opportunities will be provided for 10 to 20 employees of local businesses per year during and after the project.

Amount of Funding Requested in FY 2010: \$2,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: DNA Safeguard

Name of Organization: Boise State University

Description and Justification of the Project: Boise State University has designed a novel method for identifying DNA sequences not found in nature, which can be used as molecular barcodes (DNA Safeguard markers - Patent pending). DNA Safeguard markers can be included in sample collection vessels used in DNA collection to prevent contamination and mislabeling. With the development of molecular-tagging method (which this funding will support) labs will have an automatic safeguard built into the sampling process. The public will be able to give samples without fear of misappropriation of their DNA. Needless arguments can be avoided in the courts. Labels can be double checked against the actual samples throughout the sample's lifetime. The crime labs will be freed from much of the burden of outside observation. Continued funding of this project will allow BSU to develop kits for use by the military and others that are scientifically, legally, and commercially feasible to obtain and use.

Amount of Funding Requested in FY 2010: \$1,900,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: 3-D Technology for Advanced Sensor Systems

Name of Organization: Boise State University

Description and Justification of the Project: The military has a need for new three-dimensional (3-D) packaging of electronic systems, particularly sensor systems for portable applications. A team at Boise State University and Research Triangle Institute International has developed 3-D materials processing techniques on silicon and low temperature co-fired ceramics platforms. These include technologies for die and wafer-scale bonding and 3-D interconnects. These techniques will be applied to create 3-D integration and packaging solutions applicable to a general category of high performance sensor systems. Funding will support this continuing effort as well as additional research on new sensors in several different materials systems, including Si-based sensors, low-temperature co-fired ceramics, magnetoplastic materials, and semiconductors.

Amount of Funding Requested in FY 2010: \$3,960,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: DNA-Based Nanotechnology: Manufacturing with Molecular Building Blocks

Name of Organization: Boise State University

Description and Justification of the Project: Boise State University proposes to develop DNA-based self-assembly into a novel manufacturing process for the fabrication of nanoscale substrates and devices for defense, semiconductor, and biomedical applications. When compared to state-of-the-art technology, DNA-based nanotechnology is capable of manufacturing trillions of identical devices that are smaller, faster, and less expensive. Transformative by nature, BSU's DNA-based self assembly research will focus on: 1) the optimization of the technology for device fabrication, 2) the development of molecular components and machines that can be assembled into integrated circuits and scaffolds, and 3) the creation of nanostructures and devices for medical diagnosis or therapeutics, such as cancer detection and self-healing materials. Revolutionary in scope, this project ultimately seeks the holy grail of nanotechnology: to design, build, and control complex systems, one molecule at a time, using life's building blocks.

Amount of Funding Requested in FY 2010: \$3,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Innovative Nanotech Applications for Defense and Health

Name of Organization: Boise State University

Description and Justification of the Project: One of the most significant threats to our military personnel is microbes, the smallest organism on earth. Drug-resistant bacterial infections have become more prevalent in the community at large and pose a serious threat to military personnel on battlefields across the world. The goal of the proposed research is to utilize the demonstrated bacterial-selective killing ability of metal oxide nanoparticles reported by a Boise State University research team to create new approaches for treating bacterial infections, including methicillin drug-resistant bacterial staff infections, as well as other medically-relevant bacterial infections. An additional goal of this project is to develop highly-efficient nanotechnology-based biosensors to detect ultra-trace levels of biological warfare agents such as anthrax.

Amount of Funding Requested in FY 2010: \$1,500,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Laser Studied and Enhanced Reactive Materials: Self-Decontaminating Polymers for Chem-Bio Defense

Name of Organization: Boise Technology, Inc.

Description and Justification of the Project: The objective of this effort is the development of self-decontaminating, self-repairing polymer systems capable of providing comprehensive protection upon prolonged exposure against chemical nerve agents, blister agents, and biological warfare agents. Through a more comprehensive study of the interactions of these novel materials with threat agents, Boise Technology will begin to ascertain the structure-property relationships between the materials and the lethal activity of the threat agent. This understanding will allow for faster response to the development of new counter measures to new threat agents in the future.
Amount of Funding Requested in FY 2010: \$2,200,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Next Generation Decontaminating Soaps for the DOD

Name of Organization: Boise Technology, Inc.

Description and Justification of the Project: The Defense Threat Reduction Agency emphasizes the need to develop a system of systems to protect personnel against chemical/biological attacks on the battlefield. Specifically, this program is aimed at obtaining a better understanding of the molecular-level details of the 'evolution' of surfactant/detergent macromolecular organizations/structures as they interact with a surface and contaminant with the goal to enhance decontaminating/cleaning performance. Previously, these details have been virtually unexplored due to a lack of suitable techniques with the necessary temporal, surface, and molecule resolution. As a result, there is currently a lack of understanding of how to systematically design superior decontaminating/cleaning surfactants. In this effort, Boise Technology, Inc. will work to characterize the dynamics of macromolecular organization/structure 'evolution' that lead to optimal surfactant performance.

Amount of Funding Requested in FY 2010: \$1,600,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Telemedicine Integrated Warrior Recovery and Re-Entry

Name of Organization: Business Psychology Associates

Description and Justification of the Project: Working in cooperation with the US Army Telemedicine & Advanced Research Command (TATRC), VA Medical Center in Boise, the Idaho National Guard, and Idaho telemedicine networks, BPA will create a new model of mental health and substance abuse care delivery and test it with a target population of military individuals and their families struggling with Post Traumatic Stress Disorder and Traumatic Brain Injury recovery. The project will be managed out of BPA's office in Boise, and utilize a network of regional hospitals and medical facilities throughout Idaho. This network, combined with Web 2.0 technology can be put to use to transform the lives of military personnel, veterans, their families and employers by improving behavioral health care delivery systems in the Pacific Northwest.

Amount of Funding Requested in FY 2010: \$1,600,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Improved Treatment for TBI and PTSD Evaluation Through Innovative Behavior Imaging and Video Capture

Name of Organization: Caring Technologies, Inc.

Description and Justification of the Project: This proposed effort is designed to develop, demonstrate, and implement for field trial assessment a cost effective and non-complex method to assist medical experts and technicians in the diagnosis and treatment of behavior disorders such as mild-Traumatic Brain Injury (TBI), acute stress symptoms, and Post Traumatic Stress Disorder (PTSD). This laptop based technology provides improved assessment and treatment for the deployed and rehabilitating service members. Also, it provides for additional evaluation expertise in a field limited environment, including the potential for a "Web Based Store & Forward Supervision" for psychotherapy supervision.

Amount of Funding Requested in FY 2010: \$1,118,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Improving Military Families' Access to Health Care for Behavioral Disorders via Telehealth

Name of Organization: Caring Technologies, Inc.

Description and Justification of the Project: This project will demonstrate a new health care telemedicine technology to cost-effectively improve the quality of specialized health care for military dependants in remote access locations, distant from specialized care facilities. The proposed system, consisting of video capture and a web based personal health record, would enhance the capabilities for effective management and treatment, initially targeting military dependents with Autism Spectrum Disorders (ASD), by combining features that are currently not available to either patients or care providers.

Amount of Funding Requested in FY 2010: \$911,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Medical Modeling and Simulation Through Synthetic Digital Genes

Name of Organization: Crowley Davis Research, Inc.

Description and Justification of the Project: "Medical Modeling and Simulation Through Synthetic Digital Genes" is a ten year project which began in 2002 and is under the supervision of the U. S. Army Medical Research & Materiel Command. The epithelial tissue models this program continues to perfect will allow advanced and accurate toxicological testing platforms which can be used by numerous governmental agencies in both domestic as well as direct military operations. Lastly, a direct outcome of this project is the expanding use of its technologies in vastly improving the educational use of high fidelity cell modeling in secondary and introductory college level biology.

Amount of Funding Requested in FY 2010: \$2,600,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Virtual Convoy Operations Trainers

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: Army National Guard units continue to conduct Combat and Security operations in Iraq and Afghanistan, and a significant number of these units do not have trainers to prepare their soldiers for convoy operations in these combat zones. Virtual Convoy Operations Trainers are upgraded and improved convoy trainers that allow convoy soldiers to leave their vehicles and conduct independent dismounted operations, which greatly assist in training soldiers to identify, mark, and report improvised explosive devices (IEDs) on the battlefield. Without this program, too many soldiers will continue to have fewer trainers that needed to train counter-IED drills, immediate action drills, and convoy operations.

Amount of Funding Requested in FY 2010: \$25,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Combined Arms Virtual Trainers

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: American troops fight in the real world as Combined Arms Teams (CAVTs), and in order to reap the full benefits of virtual trainers, our warriors must be able to do the same during virtual training exercises. CAVTs is the operating system that allows the required combined arms training to be accomplished using the Army National Guard's family of virtual trainers. For several years the Army National Guard has been in the midst of acquiring and supplying a family of virtual training devices that allow National Guard soldiers to train war-fighting tasks on numerous virtual battlefields including Baghdad, Samarra, Tikrit, Kabul, and other mid-eastern and European locations. While about 60 percent of these trainers have been procured and fielded, the remaining trainers are still required.

Amount of Funding Requested in FY 2010: \$20,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Virtual Door Gunner Trainer

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: The Army National Guard currently has no simulation trainers to train its helicopter door gunners for self-protection and combat operations. The Virtual Door Gunner Trainer (VDGT) is the first virtual door gunner trainer that allows helicopter crews to train to defend themselves from multiple ground

fire weapons. VDGT will provide essential door gunner training for helicopter crews that is not now available without expending flying hours, ammunition, and firing ranges.

Amount of Funding Requested in FY 2010: \$25,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: TGT, TFT, and TMT Tabletop Trainers

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: The Tabletop Trainer Program provides on-site convoy and crew gunnery training for soldiers. Convoy and crew training are provided for crewmembers of Up-Armored HMMWVs, Tactical Trucks, Abrams Tanks, and Bradley Fighting Vehicles. These trainers are an extremely important component of keeping American soldiers at the peak of training readiness at the most critical times – while they are forward deployed for combat operations.

Amount of Funding Requested in FY 2010: \$20,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: A-FIST XXI and COFT XXI Upgrade

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: The fielding of upgraded Abrams M1A1 AIM tanks to the Army National Guard has begun, yet the Army National Guard has no gunnery training systems available to provide gunnery training for M1A1 AIM tank crews. The bulk of the upgraded M1A1 AIM tanks will arrive at National Guard units during Fiscal Year 2010-2012. The Army National Guard must have funds to upgrade its current fleet of 142 M1A1 Abrams Gunnery Trainers (A-FIST XXI and COFT XXI) to the M1A1 AIM configuration. Upgraded A-FIST XXI and COFT XXI Abrams Gunnery Trainers are essential for Army National Guard tank unit combat readiness. The current fleet of Abrams Gunnery Trainers can be upgraded to provide the required gunnery training at a fraction of the cost of replacing these systems.

Amount of Funding Requested in FY 2010: \$15,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: AB-FIST Gunnery Trainer Upgrades

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: An upgrade of the Army National Guard Bradley fleet to be M2A2ODS vehicles has begun and will continue for several years. In order for the 102 currently fielded AB-FIST and COFT XXI Bradley trainers to continue providing gunnery training for our soldiers, these trainers must be upgraded to the M2A2ODS configuration. Without these upgrades the Army National Guard will have no crew gunnery trainers for its Bradley Fighting Vehicle crews. Upgraded AB-FIST and COFT XXI Bradley Gunnery Trainers are essential for Army National Guard mechanized infantry combat readiness.

Amount of Funding Requested in FY 2010: \$15,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Flextrain Exportable Combat Training Capability (XCTC)

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: In the active Army, repeated experience in the combat training center (CTC) environment has long been considered critical to unit readiness and leader development. That level of training is currently only available to units attending the National Training Center and the Joint Readiness Training Center. Scheduling and throughput constraints limit the Army National Guard to a rotation frequency that is inadequate to meet established Army unit readiness and leader development strategies. Therefore, the Army National Guard developed and fielded Phase One of a training instrumentation system known as DFIRST (Deployable Force-on-Force Instrumented Range System Training) at seven major Army National Guard training sites, including Idaho. Fielding for this system is nearly complete in the seven states. Funding will provide the remaining equipment requirement to reach the goal of a full battalion-level exercise capability at each of those sites. The requested funds will provide enhancements to allow Army National Guard units to conduct realistic, effective training similar in quality to that found at the CTCs by integrating new soldier, vehicle, weapon simulation, and battlefield effects instrumentation developed specifically for the battalion-level XCTC initiative.

Amount of Funding Requested in FY 2010: \$7,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Mine Resistant Ambush Protected Vehicle Virtual Trainers

Name of Organization: Idaho Army National Guard

Description and Justification of the Project: The United States Army National Guard currently has no training device that permits its soldiers to train to drive and operate the new Mine Resistant Ambush Protected (MRAP) family of combat vehicles. During current operations in Iraq, more soldiers have been killed or wounded by IEDs than by any other weapon. The MRAP Vehicle Virtual Trainer provides the best training available for this new family of Army combat vehicles. The trainers allow soldiers to train to drive these vehicles and to operate cranes and mobile arms to disarm or destroy IEDs without endangering themselves. Army National Guard units continue to conduct Combat and Security operations in Iraq and Afghanistan, and none of these units has a virtual trainer to prepare their soldiers to operate MRAP vehicles.

Amount of Funding Requested in FY 2010: \$25,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Disaster Response: Communications and Other Infrastructure Restoration

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: These funds will be used to develop a networked and distributed risk assessment capability for the Department of Defense (DOD), using the advanced infrastructure interdependency simulation tools at the Idaho National Laboratory (INL). Incorporation of both real-time and distributed system modeling capabilities will provide expanded capabilities for risk analysis of systems critical to DOD, such as energy delivery, communications, and transportation systems. These efforts will provide DOD an enhanced capability to simulate, assess, and develop techniques to sustain mission operations when critical infrastructures are threatened by either natural disasters or events such as cyber attacks.

Amount of Funding Requested in FY 2010: \$5,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Electric Grid Reliability/Assurance

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: These funds would develop capability to perform research and testing of the effects of Electromagnetic Pulse (EMP) attacks on the electric power grid and associated control systems, critical communications systems, and other defense critical infrastructure. Additionally, Idaho National Lab's current infrastructure interdependency modeling capability would be enhanced to include EMP effects and to allow analysis of multiple infrastructures supporting key DOD facilities. This enhanced capability is needed by US Strategic Command and other DOD components to address critical mission assurance concerns in the event of EMP attacks.

Amount of Funding Requested in FY 2010: \$3,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Enhanced Survivability of Military Personnel and Vehicles Through Development of Advanced Composite Materials

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: These funds will be used by the INL to perform research, development, and testing of light-weight armor solutions to evaluate damage and survivability from explosive devices and explosively formed projectiles (EFPs). The focus of the research will be to initiate the design and development of systems to reduce effects to humans from blunt trauma that current light-weight armor solutions do not prevent at all or provide minimal protection at best. Modeling and simulation, development of novel materials, and characterization of materials behavior via ballistic/blast testing will be undertaken on this program.

Amount of Funding Requested in FY 2010: \$1,500,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Testing and Characterization of Radio Frequency Patterns for Efficient and Assured Wireless Applications

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: The Idaho National Laboratory will conduct research on emerging wireless communications systems to characterize unique phenomena associated with the propagation of these systems' radio frequency waves. These phenomena can be used to provide more reliability and assurance of secure communications, wireless-connected infrastructure control systems, and personnel tracking and tagging systems. In addition, this research can lead to systems for the detection and defeat of suspicious transmission associated with radio-triggered improvised explosive devices.

Amount of Funding Requested in FY 2010: \$2,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Hybrid Energy Systems Design and Testing

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: The Hybrid Energy Systems Development and Testing Program will provide the Army with transformational technologies that advance Army leadership in global energy security and carbon reduction. Hybrid energy concepts provided through this Program could allow the Army to simultaneously address energy supply security, its CO2 footprint, and provide a national economic benefit. This Project will leverage unique assets at the Idaho National Lab to develop, validate, and assess hybrid and other advanced energy system concepts.

Amount of Funding Requested in FY 2010: \$8,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Security Solutions from Life in Extreme Environments Center

Name of Organization: Idaho State University

Description and Justification of the Project: The discovery of thermostable DNA polymerase enzymes of "extremophilic" microorganisms revolutionized molecular biology, medicine, diagnostics, and forensics. Extremophiles are capable of survival in/colonization of hostile environments such as space, nuclear waste sites, cold and dry desert regions, and toxic chemicals. The Security Solutions from Life in Extreme Environments Center (SSLEEC) is taking advantage of the capabilities of these life forms to further U.S. competitiveness. Idaho State University is focusing on the

molecular mechanisms that enable extremely radiation resistant extremophiles to survive radiation levels orders of magnitude greater than what humans can withstand. The elucidation of these mechanisms will allow development of improved neutralization strategies against biothreats. In addition, a complete understanding of these mechanisms will lead to more effective treatments for radiation exposures in humans, radiation-resistant crops and livestock, and enhanced treatments for cancers and other diseases.

Amount of Funding Requested in FY 2010: \$2,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Accelerator-Driven Non-Destructive Testing

Name of Organization: Idaho State University

Description and Justification of the Project: The Idaho Accelerator Center (IAC) proposes to develop, in partnership with private industry, national labs and other universities, a research, education and commercialization program that takes non-destructive testing (NDT) techniques developed at the IAC and advances their development to commercialization and/or federal deployment. The penetrating and non-destructive techniques that are under development include new techniques in positron annihilation spectroscopy with accelerator-based gamma-beams, the use of mono-chromatic x-ray beams and the use of photon activation (via photo-nuclear reactions) for trace element analysis of materials and manufacturing processes. These core technologies have been under development at the IAC for several years and have matured to the point that serious in-field commercialization is possible.

Amount of Funding Requested in FY 2010: \$4,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Wind Erosion Simulation Modelings

Name of Organization: Idaho State University

Description and Justification of the Project: The development of a wind erosion simulation model for heterogeneous landscapes will enable Idaho State University scientists to: 1) assist efforts at the Department of Defense to improve battlefield trafficability and sustain training grounds; 2) help other federal agencies (Department of Transportation, National Weather Service, Bureau of Land Management) identify where

and when soil erosion, suspension in air, and deposition is likely; 3) study air quality and local atmospheric interactions between the ground and lower atmosphere for improved air quality in Idaho; and 4) provide remote sensing instrumentation development and hands-on training for students. Over the long-term this study will help Idaho and DOD better understand and manage their lands and airsheds by providing new technologies for prediction and monitoring of dust storms.

Amount of Funding Requested in FY 2010: \$1,500,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Photoacoustic Chemical Sensor

Name of Organization: Manning Applied Technologies, Inc.

Description and Justification of the Project: This funding will be used to complete development of an infrared/photoacoustic chemical vapor sensor for use by Department of Defense, Department of Homeland Security, and the private sector. Detection of chemical attacks is critical to national security. This project significantly advances the US capability for detection with a highly-sensitive, highly-selective, low-cost sensor. This request is consistent with the intended and authorized purpose of the Defense Threat Reduction Agency.

Amount of Funding Requested in FY 2010: \$1,750,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: USAF Joint Threat Emitter (JTE) Production Accelerator

Name of Organization: Mountain Home Air Force Base

Description and Justification of the Project: Large aircraft exercises that prepare air crews for operations in forward deployed locations take place at Mountain Home Air Force Base several times per year. The new Joint Theatre Emitter (JTE) system that was recently approved for production is being deployed to Mountain Home. This new system simulates electronic combat signals and is designed to provide realistic electronic warfare training for air crews. The Air Force needs to populate Mountain Home and other ranges with the JTE system to replace aging assets, reduce excessive maintenance costs, and provide the most realistic training for combat pilots before deployment.

Amount of Funding Requested in FY 2010: \$20,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Pediatric Cancer Research and Clinical Trials

Name of Organization: Mountain States Tumor Institutes

Description and Justification of the Project: The funding will be used to enhance important ongoing clinical trials, support the creation of significant new clinical trials and prevent the discontinuation of critical childhood cancer trials benefiting children of military families, civilian Department of Defense (DOD) employees, and other children afflicted with childhood cancer. In addition, it will support and expand upon existing DOD translational research in high risk childhood cancer. This work involves identifying, delineating and validating molecular targets into new approaches to therapy targeting new agents against highly resistant, poor prognosis diseases.

Amount of Funding Requested in FY 2010: \$20,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Hybrid Power Generating System

Name of Organization: M2E Power, Inc.

Description and Justification of the Project: M2E Power is developing high density generators based on breakthrough configurations of permanent magnetic material, coil designs and advanced power electronics. With further development efforts, M2E Power's technologies will enable lightweight, compact power sources and highly power dense components to significantly reduce the logistics burden, while increasing the survivability and lethality of the warfighter.

Amount of Funding Requested in FY 2010: \$8,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Read Out Integrated Circuit Manufacturing Improvement

Name of Organization: ON Semiconductor

Description and Justification of the Project: Read out integrated circuits (ROICs) are the foundation of thermal imaging systems and have forever changed modern warfare and surveillance. The Space Industrial Base Council and the Critical Technology Working Group within DOD have identified ROICs as one of the top five technologies at risk for space-based applications. The Readout Integrated Circuit program will benefit multiple government agencies and affect several government programs including reconnaissance satellites, thermal weapon sites, and reconnaissance unmanned aircraft, high altitude and space-based imaging and missile systems, and the Joint Strike Fighter.

Amount of Funding Requested in FY 2010: \$4,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Material, Design, and Fabrication Solutions for Advanced SEAL Delivery System External Structural Components

Name of Organization: Premier Technology, Inc.

Description and Justification of the Project: Navy SEALs often endure long water missions in a wet SEAL Delivery Vehicle; therefore, the Advanced SEAL Delivery System (ASDS) is a top priority for the Naval Special Warfare Command. The goal of this project is to assist the U.S. Navy in bringing the ASDS to its fullest operational capability by addressing challenges that it faces in key material issues. Premier Technology, Inc. will work with the Idaho National Lab, Navy PEO Submarine (PMS 399), U.S. Special Operations Command, Naval Special Warfare Command, and the Office of Naval Research to provide material, design, and fabrication solutions for ASDS external structural components allowing those components to withstand severe hydrodynamic, hydrostatic, and shock loading.

Amount of Funding Requested in FY 2010: \$3,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Neurobehavioral Surveillance, Diagnostics and Therapeutic Intervention of Brain Injured

Name of Organization: Saint Alphonsus Regional Medical Center

Description and Justification of the Project: Some estimates suggest that nearly 20% of veterans returning from war in Iraq and Afghanistan report symptoms consistent with PTSD or major depression. Brain injury and PTSD are rarely diagnosed within the

acute or sub acute combat setting and manifests the paralyzing, sometimes permanent, symptomatology weeks to months after the traumatic incident. The purpose of this proposal is to identify metabolic patterns within the PTSD and brain injured soldiers. This can be achieved through the creation of standardized measures to allow consistent and cost effective assessment of our returning service members throughout the nation. Saint Alphonsus Regional Medical Center, in concert with the Idaho Neurological Institute (the region's preeminent Trauma Center) will provide diagnostic evaluation to PTSD and combat brain injured veterans of Idaho and the surrounding states.

Amount of Funding Requested in FY 2010: \$1,932,466

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Time Critical Targeting Testbed Initiative

Name of Organization: Sierra Nevada Corporation

Description and Justification of the Project: Responding to the emerging threats related to the Global War on Terror (GWOT) requires the ability to rapidly design and procure capabilities that can be provided to the warfighter such that they can prevail against the enemies of our nation. Of equal importance is the ability to prepare and train our warfighters to utilize these technologies. This project will create an environment in which all facets of the ISR (intelligence, surveillance, reconnaissance) chain can engage in joint training and thus better prepare our airmen and soldiers for the war effort before they deploy. The culmination of this project is to bring together the necessary technologies to test and evaluate tactics, techniques, and procedures that will be utilized to win the GWOT.

Amount of Funding Requested in FY 2010: \$2,560,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Composite Bottles for Survival Egress Air

Name of Organization: Unitech Composites

Description and Justification of the Project: The Army's Air Warrior program desires to reduce the weight and bulk of the Army aviator by 5-10%. Using composites instead of metal canisters can both increase the air storage and reduce the weight load of the helicopter. The current metal canisters also lack durability. Using composites materials in the canister design offers the greatest opportunity to meet the Army's requirements. The reduced weight of the composite material combined with higher working pressure

delivers greater endurance. A metal tank holds approximately 3000 PSI. The goal for the composite bottle is 4000 PSI with a lighter container.

Amount of Funding Requested in FY 2010: \$4,000,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Gray Water Treatment Technology

Name of Organization: University of Idaho

Description and Justification of the Project: The Navy requires wastewater treatment systems that can efficiently process wastewater onboard U.S. Navy ships. The University of Idaho intends to develop for the Navy shaped reactors that employ high-frequency ultrasound that oxidize harmful components of these wastewater streams. This will help the Navy reduce costs, comply with environmental requirements, and maintain operational flexibility. The University's technology combines multiple acoustic frequencies for oxidizing specific pathogens and contaminants. In addition, combination of ultrasound with other appropriate treatment processes/mechanisms such as ozone injection and catalytic oxidation will be explored to further improve treatment efficiency.

Amount of Funding Requested in FY 2010: \$1,200,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Integrated Passive Electronic Components

Name of Organization: University of Idaho

Description and Justification of the Project: Develop new materials, circuits, and processes to perform power regulation directly on digital microchips to provide stable power for the digital circuits. On-chip power regulation will be critical to future generations of high-performance microchips. This research will address the lack of high-quality on-chip passive magnetic components, along with the required circuits and fabrication processes. This will increase the capability of military and civilian electronics while reducing size and power consumption.

Amount of Funding Requested in FY 2010: \$1,791,934

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Design of Lightweight Vehicle Structures for Improved Safety and Reliability

Name of Organization: University of Idaho

Description and Justification of the Project: The goal of the proposed research is to improve the performance and reliability of US Army personnel-carrier and combat vehicles to various scenarios including explosions/projectile penetration as well as normal service use. The program will focus on the development of design technologies and multifunctional materials to address the most pressing needs of the US Army: personnel safety, combat system cost, and energy resource availability. It is envisioned that this research will lead to optimized (safer, more cost effective, lighter, and timely) solutions to vehicle design by proposing advanced scientific methodologies based on material structure/property correlation.

Amount of Funding Requested in FY 2010: \$1,113,000

FY2010 Defense Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Electromagnetic Signature Assessment System Using Multiple Autonomous Undersea Vehicles, Phase III (final phase)

Name of Organization: University of Idaho

Description and Justification of the Project: This work will integrate inexpensive, easily deployable electromagnetic (EM) and possibly acoustic measurement systems into small autonomous underwater vehicles (AUVs). These AUVs will then be programmed to work together to assess the electromagnetic or acoustic signature of a forward deployed ship or submarine. This assessment is important to establish a naval vessel's electromagnetic signatures which affect its stealth condition relative to potential threats, especially torpedoes and mines (mines have been responsible for the vast majority of U.S. warship casualties since WWII). The testing will be performed at the Acoustic Research Detachment of the Carderock Division of the Naval Surface Warfare Center located on Lake Pend Oreille in Bayview, Idaho.

Amount of Funding Requested in FY 2010: \$2,000,000

Projects listed in alphabetical order based on requesting organization

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Deep Big Wood River Flood Plain Management and Restoration Reconnaissance Study

Name of Organization: Blaine County Board of Commissioners

Description and Justification of the Project: The Army Corps of Engineers is requested to perform an overall evaluation of the Big Wood River. No such evaluation of the Big Wood River has ever been done and future flooding of the Big Wood River threatens multiple communities along the river. The report will enable the Corps to identify and prioritize river restoration projects to reduce flood risks and to provide better protection of private property while giving the county, private conservation groups and property owners will have information to conduct restoration and flood protection projects based on the report.

Amount of Funding Requested in FY 2010: \$100,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Boise State University Visualization Center

Name of Organization: Boise State University

Description and Justification of the Project: Image processing, computational geometry, geometric modeling, computer graphics animation, data analysis, and computational mathematics research tools will be provided in order to implement videoconferencing for activities such as lectures, webcasts, data sharing among distributed locations, live field reports, and data analysis.

Amount of Funding Requested in FY 2010: \$2,000,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Generation of Electricity from the Hydrogen Produced by Fermentative Utilization of Cellulose Using *Clostridium thermocellum*

Name of Organization: Boise State University

Description and Justification of the Project: This project advances biotechnology by researching metabolic flux analysis and using bioengineering to maximize hydrogen production from the fermentation of cellulose. This project also enhances microbial fuel cell technologies for generating electricity on a large-scale by oxidizing bio-hydrogen produced from cellulose and other waste biomass.

Amount of Funding Requested in FY 2010: \$1,332,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Intermountain West Geothermal Consortium (IWGC)

Name of Organization: Boise State University

Description and Justification of the Project: The IWGC will conduct three initial projects, one in Idaho, one in Utah and one in Nevada that reflect the spectrum of IWGC basic and applied science expertise. The IWGC focuses on helping to deliver clean, baseload power to the nation in steadily increasing quantities and to help expand the direct use of geothermal resources. A mix of experienced scientists and engineers will utilize information technology to provide the education necessary to meet the professional needs of the geothermal industry. The project will focus on both the science and engineering aspects of geothermal resources, across the spectrum of low- to high-temperature systems, including the application of Engineered (Enhanced) Geothermal Systems.

Amount of Funding Requested in FY 2010: \$2,300,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Twin City of Boise Geothermal System Extension to Boise State University

Name of Organization: City of Boise

Description and Justification of the Project: This project will design and construct an extension of the City of Boise geothermal system to the eastern portion of Boise State University and connect to the Capitol Boulevard zone. The geothermal system is a tool in encouraging economic development and reducing energy consumption.

Amount of Funding Requested in FY 2010: \$1,000,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Little Wood River Ecosystem Restoration Project

Name of Organization: City of Gooding

Description and Justification of the Project: Approximately 1.5 miles of the Little Wood River flow within Gooding city limits and is channelized by a masonry wall constructed in the 1930's and early 40's by the Works Progress Administration's Civilian Conservation Corps. Over the years, aging along with high water and ice jam events have caused severe deterioration of the walls. Large portions of the existing lava rock walls that line the Little Wood River through the city are structurally unserviceable and many have failed and fallen into the channel. This rate of deterioration has increased at an increasing rate. The project will remove and replace the existing rock wall and the boxed culverts that severely restrict the stream channel flow.

Amount of Funding Requested in FY 2010: \$400,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Columbia River Channel Deepening Project

Name of Organization: Columbia River Channel Coalition

Description and Justification of the Project: The Columbia River Channel Improvement Project is a collaborative effort between the U.S. Army Corps of Engineers and six Oregon and Washington ports to deepen the Columbia River navigation channel between the ocean and Portland/Vancouver from 40 to 43 feet. A deeper channel will accommodate the more fuel-efficient ships that now transport most bulk cargo and containers. This project also will include several ecosystem restoration projects that will contribute to the health of the river and improve the habitat for juvenile salmon.

Amount of Funding Requested in FY 2010: \$25,000,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Teton Creek Restoration Project

Name of Organization: Friends of the Teton River

Description and Justification of the Project: The Teton Creek Restoration Project will stabilize Teton Creek and protect adjacent structures and infrastructure. It will also reestablish a functional aquatic and riparian ecosystem. The project will build an inset floodplain, stabilize

stream banks, reconstruct the stream channel, and re-vegetate riparian and upland areas along 9,325 feet of Teton Creek.

Amount of Funding Requested in FY 2010: \$310,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Center for Advanced Energy Studies

Name of Organization: Idaho National Laboratory/University of Idaho

Description and Justification of the Project: The Center for Advanced Energy Studies is expanding science and engineering education in Idaho, solving challenging energy problems through applied advanced modeling and simulation; integrating energy policy formulations into science and engineering discipline; developing advanced materials to support innovative energy systems; and advocating environmental stewardship by conducting research into mechanisms to minimize energy impacts to land, water, and air.

Amount of Funding Requested in FY 2010: \$5,000,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Western Energy Corridor Unconventional Clean Fuels Program

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: Funds will be used to establish a Federal-State energy technology program, to leverage the capabilities and infrastructure at the Idaho National Laboratory and Utah State University - Bingham Center. The Program would be focused on research, development and demonstration associated with applying hybrid energy systems to cleaner and more efficient development of oil shale and tar sands in the Rocky Mountain area.

Amount of Funding Requested in FY 2010: \$10,000,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: National Electric Grid Reliability Test Bed

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: These funds will be used to establish a National Electric Reliability Grid Test Bed for evaluating the reliability of our nation's electrical grid infrastructure and for research and development associated with the emerging technologies related to Smart Grid and also create a stand-alone power grid infrastructure to allow full scale testing without interruption to other INL operations. It would also enable the capability to assess architectures and components to mitigate cyber security vulnerabilities prior to full deployment on the power grid.

Amount of Funding Requested in FY 2010: \$5,000,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: IAC Production of Medical Isotopes

Name of Organization: Idaho State University

Description and Justification of the Project: The Idaho Accelerator Center would develop a medical isotope production facility that will serve regional isotope needs, conduct basic research in isotope production, educate the next generation of medically-related nuclear scientists, and partner with regional and national entities in medical isotope distribution and use. This program would meet regional and national needs in education and isotope production and provide new isotopes that are not currently part of the national isotope portfolio. IAC would be complementing, supplementing and enhancing DOE's National Isotope Program.

Amount of Funding Requested in FY 2010: \$4,000,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Compact Systems for Detection and Identification of Nuclear Materials

Name of Organization: Idaho State University

Description and Justification of the Project: Transportable accelerators can identify suspected nuclear materials in the field, detect explosives and contraband in a variety of challenging circumstances, and provide nuclear forensic techniques to certain national security challenges. This project will be critical to the next phase of field demonstrations of this nuclear material detection system based on new compact, mechanically robust accelerators with an agile pulse format and optimized nuclear detectors

Amount of Funding Requested in FY 2010: \$3,000,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Minidoka Dam Project

Name of Organization: Idaho Water Users Association

Description and Justification of the Project: Ensures that the Secretary of the Interior recovers expenses according to a reasonable repayment process when accepting payments from Project contractors for the reimbursable expenses incurred for the replacement, repair, and extraordinary maintenance for the Minidoka Dam Spillway at the Minidoka Dam in Idaho.

Amount of Funding Requested in FY 2010: \$0

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Rural Idaho Infrastructure Initiative

Name of Organization: Rural Idaho Communities

Description and Justification of the Project: Rural Idaho communities such as Ammon (Eastern Idaho Regional Project), Bellevue, Buhl, Burley, Greenleaf, Hazelton, Lava Hot Springs, Pocatello, Rexburg, Rigby, Rupert, Sandpoint, Shelley (Eastern Idaho Regional Project), Soda Springs, St. Anthony, Twin Falls (Auger Falls), and Wendell need to upgrade their water infrastructure and initiate several critical infrastructure projects for rural areas and small communities in Idaho that otherwise would be difficult to accomplish.

Amount of Funding Requested in FY 2010: \$5,000,000

FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Environmentally Sustainable Processes for Nuclear Waste Management and Spent Fuel Recycling

Name of Organization: University of Idaho

Description and Justification of the Project: This project will develop new processes using green solvents for dissolution, extraction, and separation of uranium and fission products without traditional aqueous acids and organic solvents. This would greatly reduce the volume of radioactive waste generation and thus significantly reduce the repository space required for

disposal of nuclear wastes. The proposed research will be conducted in collaboration with INL scientists utilizing the CAES facilities.

Amount of Funding Requested in FY 2010: \$1,112,000

**FY 2010 Energy and Water Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Paradise Creek Ecosystem Restoration

Name of Organization: University of Idaho

Description and Justification of the Project: The project provides for the restoration and rehabilitation of portions of Paradise Creek located on the campus of the University of Idaho. The project relocates portions of Paradise Creek as they exist today, moving it from a covered, encased conveyance and restoring the creek to a channel alignment approximating the creeks' historical channel. The project will also construct wetland cells for the purpose of conducting research into the bioremediation of storm water run-off. The project will improve flood control, storm water mitigation, while funding environmental, aquatic and riparian habitat improvements.

Amount of Funding Requested in FY 2010: \$410,000

Projects listed in alphabetical order based on requesting organization

FY 2010 Financial Services Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Boise State University research and economic development and entrepreneurial initiative

Name of Organization:

Boise State University
1910 University Drive
Boise, ID 83725-1135

Description and Justification of the Project:

Boise State University (BSU) will establish research partnerships with business and governmental agencies to assist businesses in an effort to promote entrepreneurial initiative and to maintain and strengthen the overall economy of Idaho and the region. The funds being requested will be used to match private and public-sector dollars and in-kind contributions to conduct collaborative research that creates intellectual property, creates jobs, and benefit the Idaho business community.

Amount of Funding Being Requested in FY 2010: \$200,000

FY 2010 Financial Services Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Idaho Rural Aviation Airmail Delivery and Community Safety Protection

Name of Organization: Idaho Congressional Delegation

Description and Justification of the Project:

Postmaster General Potter's January 2009 testimony to Congress stated that "We must serve every customer and every community equally. Rich or poor, from the biggest cities to the smallest towns, we must provide the same high level of service. We must provide the same access. We must make our services available at the same price – in both easy-to-serve locations and locations so remote they can only be reached by mule, by swamp boat, or by bush plane."

Notwithstanding these powerful words, the U.S. Postal Service intends to let expire a contract to provide rural air delivery to several isolated households in Idaho. The current alternative proposed by the USPS is not practical. Asking residents to use a post office box in Cascade, Idaho, would require them to travel over 120 air miles or drive multiple backroad mountain passes to access mail. It is not only dangerous, but prohibitive in the winter months. Without airmail, these individuals are left isolated.

This request would instruct the U.S. Postal Service to continue rural airmail service to Central Idaho in a manner consistent with that provided in January 2009.

Amount of Funding Being Requested in FY 2010: 0

Specific language requested in the bill or report?

Bill language – “The U.S. Postmaster General shall ensure the continuation of rural airmail delivery service from Cascade, Idaho, to rural postal customers in Central Idaho in a manner at least equal to that provided as of January 2009.”

FY 2010 Financial Services Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Impact of Directed Energy Attacks on Banking and Financial Infrastructures at the Idaho National Laboratory

Name of Organization:

Idaho National Laboratory
2525 Fremont Ave
Idaho Falls, Idaho 83415

Description and Justification of the Project: The Idaho National Laboratory (INL) will develop the capability to perform research and complete testing of the effects of directed energy attacks on U.S. banking and financial infrastructure systems. The banking and financial sector is highly-dependent on reliable and secure computer networks and data storage systems. These networks and systems may be susceptible to disruption, damage, or cyber-security compromise from localized directed energy attacks from a variety of directed energy devices available in the market. Disruption, damage, or compromise of financial systems could have a very significant impact to the economy and our national security.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Financial Services Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Proof of Concept Center / Idaho TechConnect Inc.

Name of Organization:

Idaho TechConnect Inc.
5465 E. Terra Linda Way
Nampa, ID 83687

Description and Justification of the Project:

The Center will manage innovations from early stage projects to the launch of a viable start-up business or license of a product or service to an existing business. The Center will identify the market and technologies that can be served by Idaho ideas and innovations. Concepts will be vetted to ensure significant and efficient marketability and then given to teams/existing businesses to build or expand successful and profitable Idaho businesses. The Center will provide assistance with business models, intellectual property strategy, and access to capital, resulting in more Idaho ideas becoming products, creating jobs and companies.

Amount of Funding Being Requested in FY 2010: \$1,200,000

Projects listed in alphabetical order based on requesting organization

FY 2010 Homeland Security Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Pre-Disaster Assessment and Mitigation – Boise, Idaho, Petroleum Terminal Facilities Relocation Feasibility Study

Name of Organization: City of Boise

Description and Justification of the Project: The petroleum terminal facility for Boise, Idaho, is located near the downtown area and close to a hospital, elder care facility, school, residential housing, and shopping center and is considered a potential terrorist target. The funds would be used to study potential mitigation after disaster scenarios as well as the potential to move the site to a more remote location. The study will also assess the population projections and future fuel demands to determine optimum facilities needed to meet safety needs and demand and to evaluate a longstanding petroleum plume related to the facility's construction.

Amount of Funding Being Requested in FY 2010: \$350,000

FY 2010 Homeland Security Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Air Cargo Screening Solution

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: Because there is no technology that can effectively scan for threats in the cargo that is carried daily on passenger airplanes, despite a Congressional mandate to screen all such cargo by 2010, a technical solution is needed that will detect threats for all types of cargo. The Battelle/Idaho National Laboratory (INL) team has worked to develop, prototype systems to meet this need and the requested funds will be used to further that research and development for the next generation of air cargo screening technologies.

Amount of Funding Being Requested in FY 2010: \$10,000,000

FY 2010 Homeland Security Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Compact Systems for Detection and Identification of Nuclear Materials

Name of Organization: Idaho State University

Description and Justification of the Project: Because the U.S. continues to be threatened by nuclear, biological and chemical weapons at home and abroad, security can be enhanced by using transportable accelerators to identify suspected nuclear materials in the field, detect explosives and contraband in a variety of challenging circumstances, and provide nuclear forensic techniques to certain national security challenges. This capability has been developed and demonstrated at the Idaho Accelerator Center and its field deployment will reduce the cost of future cargo inspection systems and will provide the accelerator and detector technology base for the first deployable stand-off detection system for National Nuclear Security Administration, DOD, and DHS field missions.

Amount of Funding Being Requested in FY 2010: \$0

FY 2010 Homeland Security Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Mitigating Critical Infrastructure Vulnerabilities to IEDs

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: This will allow research, development and testing of solutions that will meet requirements set forth in Homeland Security Presidential Directive 19 (HSPD-19), which calls for prevention, detection of, protection against, and response to terrorist use of explosives and improvised explosive devices (IEDs) in the United States. The INL's testing facilities include explosive ranges, detection facilities and robotics labs, as well as facilities to allow for research and characterization of explosives signatures.

Amount of Funding Being Requested in FY 2010: \$2,000,000

FY 2010 Homeland Security Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Power and Cyber-Systems Protection, Analysis and Testing Program at Idaho National Laboratory (INL)

Name of Organization: Idaho National Laboratory

Description and Justification of the Project: This project would continue the ongoing research and development for the Department of Homeland Security that allows for a proactive approach to cyber security instead of a reactive one. It will result in a more

robust capability to develop a long term strategic analysis of cyber attacks including vulnerability discovery and mitigation of existing threats. The project will also allow for simulation and testing of cyber attacks in coordination with the U.S. Computer Emergency Response Team.

Amount of Funding Being Requested in FY 2010: \$4,000,000

FY 2010 Homeland Security Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Rapid Responder Crisis Management System at North Idaho College

Name of Organization: North Idaho College

Description and Justification of the Project: Funds for this Rapid Responder system would improve emergency management and crisis response on a public campus. It provides responders with instant access to critical facility and infrastructure information including floor plans, site maps, aerial photos, facility photos, hazardous material inventories and locations, utility control locations, polices and fire tactical plans, facility emergency and evacuation plans, and key facility stakeholder contact information and will solve the current inability of North Idaho College to mitigate, prepare for, respond to or recover from the extensive list of internal and external hazards that threaten the campus and satellite facility.

Amount of Funding Being Requested in FY 2010: \$62,500

Projects listed in alphabetical order based on requesting organization

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: American Falls Wastewater Project

Name of Organization:

City of American Falls, Idaho
550 N. Oregon Trail
American Falls, ID 83211-1800

Description and Justification of the Project: The recently completed wastewater facilities planning study evaluated numerous options to address the City's wastewater infrastructure deficiencies to meet U.S. EPA and IDEQ regulations. Based on input from the City, IDEQ, Citizens of American Falls, and the consulting engineers performing the study, it was determined that a new wastewater treatment facility incorporating membrane technologies was the best solution to meet the needs of the City. Such a treatment facility utilizes state-of-the-art treatment technology that would be able to meet current and anticipated future state and federal requirements. In addition, it would provide future flexibility to the City for pursuing other treated wastewater disposal methods.

Amount of Funding Requested in FY 2010: \$2,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Ashton Water System Improvements Project

Name of Organization:

City of Ashton
714 Main Street
PO Box 689
Ashton, ID 83420

Description and Justification of the Project: The infrastructure improvements are necessary to allow the City to meet the requirements of the Safe Drinking Water Act. The water system requires improvements to lower the nitrate level below the Maximum Contaminant Level set by the Environmental Protection Agency.

Amount of Funding Requested in FY 2010: \$2,200,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Bellevue Wastewater Facilities Improvement

Name of Organization:

City of Bellevue
115 Pine
Bellevue, ID 83313

Description and Justification of the Project: The project includes the construction of a new wastewater treatment facility to serve the residents of the City of Bellevue and the rehabilitation of several City sewage pump stations. This project will bring the City into compliance with current and future state and federal regulations such that the City will avoid continual treatment violations associated with their current treatment facility.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Old Blaine County Courthouse Restoration

Name of Organization:

Blaine County Board of Commissioners
206 First Avenue South
Hailey, Idaho 83333

Description and Justification of the Project: The Old Blaine County Courthouse, built in 1873 and on the National Historic Register, serves as the seat of county government, community gathering place and public meeting place for federal agencies like the Bureau of Land Management, Federal Aviation Administration, Fish and Wildlife Service, and the National Forest Service. The building is at risk structurally due to the condition of its roof. The basement is also in a state of decline and is not up to current standards because of elevated radon levels. This project addresses the current deficiencies of the building. The project would provide for construction of a new roof structure and renovation of the basement to mitigate the radon gas and create usable office space.

Amount of Funding Requested in FY 2010: \$450,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: United States Geological Survey Water Study of the Wood River Valley

Name of Organization:

Board of Blaine County Commissioners
206 First Avenue South, Suite 300
Hailey, Idaho 83333

Description and Justification of the Project: There are serious concerns about the effects of population growth (370 percent from 1970 to 2005) on water supplies in the Wood River Valley. Among the concerns are continued availability of ground and surface water to support existing uses and stream flow, including sustainability of groundwater resources and effects of wastewater disposal on ground and surface water quality. A USGS study released in 2007 showed that groundwater levels and stream flows in some parts of the valley have declined, though it is unclear whether the decrease is due to development or sustained drought conditions. An up to date, holistic evaluation of water resources in the valley is needed to provide data and interpretations that would allow the county and local governments to make informed land use and water resource management decisions about current and projected growth and development impacts.

Amount of Funding Requested in FY 2010: \$450,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Bliss Wastewater Project

Name of Organization: City of Bliss

Description and Justification of the Project: The proposed project will construct a collection and lagoon treatment system that will meet the needs of the residents of the City of Bliss and will provide sufficient capacity for economic growth. City residents currently rely on septic systems for wastewater disposal. Many of these decentralized systems are failing due to the porous lava rock. The only environmentally acceptable option is to construct a centralized treatment system that will serve all residents.

Amount of Funding Requested in FY 2010: \$3,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: West Boise Wastewater Digester Methane Gas Power Generation and Building Space Heating

Name of Organization:

City of Boise
Boise City Hall
150 N Capitol Boulevard, Third Floor
Boise, Idaho 83702-0500

Description and Justification of the Project: Design and build facilities to produce electricity using digester gas (DG) cleaned with existing equipment, and recover heat rejected from the generation equipment to provide process heat and space heat in several buildings at the West Boise Wastewater Treatment Facility (WWTF). A single 1,000 kW generator (1 MW) is proposed at this time, with design provisions to add one or more additional generating units in the future. Also design and construct facilities to receive and process brown grease removed from restaurant grease traps and sanitary landfill condensate that would be transported to the West Boise WWTF by truck. The wastes would be processed to remove non-digestible solids and then be pumped to the existing sludge digesters for biological breakdown (co-digestion), producing additional DG.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Aquatic Invasive Species Research and Management in Idaho

Name of Organization: Boise State University

Description and Justification of the Project: This project focuses on the most serious aquatic invasive species currently in Idaho: Eurasian Water Milfoil and its hybrid. This project will gather data to better understand the distribution, ecology and life history traits of two aquatic invasive organisms that threatens Idaho's waterways and use this information to improve the management, control and risk assessment of these organisms in Idaho. This project is intended to fill gaps in our knowledge of the invasion of EWM and its hybrid in Idaho and to improve the management and control of these organisms by the standardization of procedures and an improvement in predictive risk assessment models. Thus, the project hopes to alleviate some of the negative economic and ecological impacts of EWM and its hybrid in the waterways of the state of Idaho.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Fire and Erosion in Western Rangelands: Evaluation of Post-fire Treatments

Name of Organization: Boise State University

Description and Justification of the Project: To provide funding for Boise State University, Idaho State University and University of Idaho undergraduate and graduate student research and maintain funding for fire-related restoration work within the Bureau of Land Management and other agencies. This project will identify critical areas in need of post-fire erosion treatment and areas that do not need to be treated. This will save money used for rehabilitation.

Amount of Funding Requested in FY 2010: \$450,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Boise WaterSheds Exhibits

Name of Organization:

Boise WaterShed Exhibits, Inc.
Attention: Boise City Public Works Department
P.O. Box 500
Boise, ID 83701-0500

Boise WaterShed Exhibits, Inc.
Fourth Floor, Boise City Hall
150. N. Capitol Blvd.
Boise, ID 83702

Description and Justification of the Project: A partnership between Boise City, to fund construction of the \$3.6 million Boise WaterShed Environmental Education Center and the nonprofit, Boise WaterShed Exhibits, Inc. to fund the high tech, environmental education exhibits *inside* along with the Phase II, pedestrian Water Feature and interpretive Grounds *outside*. The partnership offers a unique-to-Idaho, sophisticated approach to educating children and adults about threats to our water and how everyone can protect and conserve the water we have to leave a legacy of clean water for future generations.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Bonners Ferry Phase Water System Improvements

Name of Organization:

City of Bonners Ferry
P.O. Box 149

Bonnars Ferry, Idaho 83805

Description and Justification of the Project: The recommended Phase 3 water improvements include:

1. Replacement and upsize of approximately 1200 lineal feet of 4-inch steel waterline with 12-inch PVC along US 95 and the replacement of an existing PRV station with a new PRV station or possible re-route of primary transmission line to serve this area.
2. Addition of a minimum treatment capacity of 470 gpm and possible upsize of intake pumps and pipeline, or development of a new groundwater well and associated transmission main.
3. Replacement of remaining steel lines within the City distribution system that have exhibited leaks.

Amount of Funding Requested in FY 2010: \$3,670,000

**FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Buhl Arsenic Removal Project

Name of Organization:

City of Buhl
203 North Broadway
Buhl, ID 83316

Description and Justification of the Project: This project addresses a Federal consent order, mandating the City come into compliance with new Arsenic rules set by EPA. The City has documented levels of Arsenic in their drinking water system of between 8 and 22 parts per million and are facing a mandate that the Arsenic level be brought down to a maximum of 10 parts per million. The City has critical need for an additional water storage reservoir to allow for necessary dilution factors for Arsenic mitigation and to meet future fire flow storage requirements. Many lines are old, contain tubers laden with arsenic, corroded, undersized and some cannot meet adequate fire flows. All project components are related to arsenic removal and other compliance issues.

Amount of Funding Requested in FY 2010: \$1,000,000

**FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: City of Buhl Wastewater System Improvement Project

Name of Organization:

City of Buhl
203 North Broadway
Buhl, ID 83316

Description and Justification of the Project: EPA regulates the point source discharge by the City to the surface waters of the United States under their NPDES permit program as authorized by the Clean Water Act. The City is periodically exceeding the NPDES limitations due to lower permit restrictions being enforced by the City's new NPDES permit and limitations of an open lagoon treatment system. The City was recently fined by EPA for non-compliance of their pH, Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD) limitations. The new treatment facility will be a state of the art facility capable of meeting the newly imposed NPDES limitations.

Amount of Funding Requested in FY 2010: \$1,000,000

**FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Burley Wastewater Project

Name of Organization:

City of Burley
P.O. Box 1090
1401 Overland Ave.
Burley, Idaho 83318

Description and Justification of the Project: Improvements will include updating existing equipment and adding phosphorus removal to meet new unfunded federal mandates for clean water. The project will also reclaim water for future reuse. Industrial wastewater plant provides industrial treatment to two facilities and supports over 100 manufacturing jobs in the Mini-Cassia area.

Amount of Funding Requested in FY 2010: \$3,000,000

**FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Central Shoshone County Water System Improvements

Name of Organization:

Central Shoshone County Water District (CSCWD)
409 Main Street

Kellogg, ID 83837

Description and Justification of the Project: This project entails construction of a water filtration plant to serve 5,500 customers in Idaho's Silver Valley. The project is fully designed, has an approved environmental document, and is ready to go to construction. The advanced membrane filtration facility must be constructed in FY 2010 and is divided into sub-projects to encourage construction by local contractors. The project is being driven by an existing Consent Order that requires the District to meet interim deadlines for water quality, supply, and metering with full compliance required by December 2009.

Amount of Funding Requested in FY 2010: \$7,500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Driggs Wastewater Project

Name of Organization: City of Driggs

Description and Justification of the Project: The project is to design and construct a state of the art mechanical treatment facility adjacent to the existing lagoon wastewater treatment plant in order to meet stricter effluent standards, allow for wastewater reuse, increase energy efficiency, reduce operating costs and expand capacity to attract industry. By making these anticipated changes or upgrades to the facility, the capacity would be more in line with growth that has actually occurred and would have less visual impact on the surrounding area.

Amount of Funding Requested in FY 2010: \$3,850,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Filer Wastewater Treatment Facility Project

Name of Organization:

City of Filer
300 Main Street
PO Box 140
Filer, Idaho 83328

Description and Justification of the Project: The project consists of the comprehensive upgrade of the City of Filer's wastewater system. Project components include the construction of a new membrane bioreactor system to treat the wastewater

for the City of Filer – abandoning the existing lagoon system. This will substantially improve the quality of the treated wastewater and resolve regulatory compliance issues with the City's NPDES and land application permits. Also included in the project scope is the replacement of roughly 38,700 linear feet of deteriorated collection and transmission lines throughout the community – resolving the problems with collapsing lines and leakage of raw sewage into the groundwater and soil.

Amount of Funding Requested in FY 2010: \$1,500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Granite Reeder Phase 2 Wastewater Collection System on Priest Lake

Name of Organization:

Granite Reeder Water and Sewer District
P.O. Box 456
Nordman, Idaho 83848

Description and Justification of the Project: The Granite Reeder Water and Sewer District is the last sewer district within the Priest Lake, Idaho area that does not provide a central sewage collection, transmission, treatment, storage, and disposal facilities for the sewage generated within the boundaries of the District. Currently there are approximately 286 homes within the District and five commercial operations with inadequate sewage disposal systems adjacent to Priest Lake and over a shallow groundwater table. Proposed improvements include construction of a sewage collection system using gravity and pressure sewer design and a sewage treatment and land application facility. Eight acres of timber land have been acquired from the USFS to construct aerated lagoon treatment and storage facilities as authorized by US Congress in 2004.

Amount of Funding Requested in FY 2010: \$535,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Greenleaf Wastewater Treatment Facility Project

Name of Organization:

Greenleaf
20523 Whittier
Greenleaf, ID 83626

Description and Justification of the Project: The Greenleaf wastewater project entails a community-wide collection system and a treatment plant (membrane bioreactor). The treatment plant will be designed to be expandable to meet the needs for a regional wastewater treatment facility. The project will eliminate existing problems stemming from septic tanks and a failed collection system. The plant will also meet the strict discharge requirements of the new Boise River TMDL and bring the City into compliance with a DEQ consent order.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Research to Develop Management and Mitigation Methods for Effects of Human-Made Noise

Name of Organization:
Hubbs-SeaWorld Research Institute

Description and Justification of the Project: The most basic perceptual measurement needed to understand what an animal can hear, the audiogram has been collected from five polar bears in two different zoological collections. The study was the first ever conducted on large carnivores. With the support of researchers from Washington State University and the University of Washington, this work will be expanded to a second important species, the brown bear, to collect other important psychoacoustic parameters. Finally, it will be used to quantify the relationship between stress and noise with applications to animals in Idaho.

Amount of Funding Requested in FY 2010: \$570,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Sage Grouse Management Plan

Name of Organization:
Idaho Governor's Office of Species Conservation
300 N. 6th Street
Boise, ID 83702

Description and Justification of the Project: Currently, the Sage-grouse Advisory Committee (SAC) is coordinating implementation of a statewide management plan for sage-grouse. Contained within the plan are over 100 conservation measures for stabilizing and increasing populations of sage-grouse in Idaho. In addition, there are 11

Local Working Groups that have completed or in the process of forming local plans. These funds will aid in implementing state and local plans and continuing the important on-the-ground work being done by Local Working Groups, including habitat restoration, monitoring, research, and education.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Idaho Wolf Management through Nez Perce Tribe

Name of Organization:

Idaho Governor's Office
of Species Conservation
300 North 6th Street
P.O. Box 83720
Boise, ID 83720-0195

Nez Perce Tribe
P.O. Box 365
Lapwai, ID 83540

Description and Justification of the Project: Idaho and the Nez Perce Tribe will continue to perform their respective wolf oversight roles in FY2010. In May of 2005, the Governor of Idaho and the Nez Perce Tribe signed an MOU that outlined wolf oversight responsibilities and budget allocations for the two entities. In January of 2006, the state signed an MOU with the F&WS to assume day to day wolf management responsibilities as an agent of the Service. Monies are expended to cover the costs associated with monitoring, collaring, research, livestock depredation prevention and compensation, and public outreach and duties that were previously conducted by the FWS.

Amount of Funding Requested in FY 2010: \$1,472,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Mountain West Water Institute

Name of Organization:

Idaho National Laboratory
2525 Fremont Ave.
Idaho Falls, ID 83415

Description and Justification of the Project: Funds will be used to establish the Mountain West Water Institute (MWWI) to provide the science, predictive tools and technology to help the Region's water/natural resources stewards and users rapidly and effectively assess, monitor, and adapt to changes in resource conditions driven by

climate change/variability, population increase and movement, and other changes to water-energy resource availability and demand.

Amount of Funding Requested in FY 2010: \$2,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Dam and Levee Safety Testbed

Name of Organization:

Idaho National Laboratory
2525 Fremont Ave.
Idaho Falls, ID 83415

Description and Justification of the Project: To establish a rigorous science and engineering based capability to develop, demonstrate and validate dam and levee inspection and testing methodologies and develop predictive monitoring techniques/computational tools for indicating infrastructure failure. The Dam and Levee Safety Testbed will develop, test and evaluate the tools and technology necessary to remotely inspect and monitor dams, levees and water management infrastructure in the U.S. These technologies can be used to quickly and inexpensively address the risk of deterioration and failure and to better focus resources on those structures posing the highest risk.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Idaho State Plan for Managing Noxious Weeds

Name of Organization:

Idaho State Department of Agriculture

Description and Justification of the Project: The Idaho State Department of Agriculture (ISDA) is in its tenth year of implementing the Idaho strategic plan for managing noxious weeds. Since the inception of the program, more than 35 Cooperative Weed Management Areas (CWMAs) have been organized, encompassing 87 percent of the state. Each CWMA has private, county, state, and federal lands, and has developed and implemented an Integrated Weed Management Plan. Grants are provided to assist meeting goals outlined in both their integrated weed management plan and in the state's strategic plan. Federal funding significantly accelerates weed

management activities and improves the ability of private, county, state, and feral landowners to mitigate the impacts of harmful nonnative weeds.

Amount of Funding Requested in FY 2010: \$1,500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Old Idaho Penitentiary Historical Site Stabilization

Name of Organization:

Idaho State Historical Society
2205 Old Penitentiary Road
Boise, ID 83712

Description and Justification of the Project: This project will provide stabilization to the Old Idaho State Penitentiary historic site, which is operated by the Idaho State Historical Society. The Old Pen is one of the West's most significant prison sites, and one of the most visited cultural facilities in Idaho. It thus plays a key role in the economic vitality of Boise and the Treasure Valley. The project seeks funds for immediate work that has been identified as necessary for immediate stabilization of the site.

Amount of Funding Requested in FY 2010: \$443,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: GIS Applications to Support Native American Health, Education, and Economic Development

Name of Organization:

Idaho State University
921 South 8th Avenue, Stop 8007
Pocatello, ID 83209-8007

Description and Justification of the Project: This is a partnership between ISU and Idaho's Native American tribes to build on the extensive experience of collaborators from different tribes, Native American organizations, and groups involved in Native American geosciences research and outreach. The overall goal of the proposed project is to truly integrate research and education by, first, applying geospatial science to anthropology, economy and health; and second, by using resulting solid products/outcomes to educate and recruit Native Americans in the geosciences.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Aspen and Conifer Change Detection in Idaho

Name of Organization:

Idaho State University
921 South 8th Avenue, Stop 8007
Pocatello, ID 83209-8007

Description and Justification of the Project: ISU proposes to quantitatively assess the rates and patterns of aspen decline and conifer changes throughout the state of Idaho over the last ~25 years, using existing ISU-based remote sensing and geographic information systems (GIS) infrastructure and resources. Furthermore, ISU proposes to leverage a U.S. Forest Service-funded pilot study to estimate 20th century aspen decline at a local scale in the Caribou-Targhee National Forest in SE Idaho and to identify priority areas within the national forest.

Amount of Funding Requested in FY 2010: \$450,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: United Recycling CRT Processing Center

Name of Organization:

Kootenai County

Description and Justification of the Project: To provide a facility for the collection and safe processing for the three northern most counties in the Idaho Panhandle – Kootenai, Bonner, and Boundary. This is an effort to remove the potential for adding hazardous toxins such as lead, mercury, and phosphorus into landfills and thus eliminate the possibility of leaching into ground water sources. Success will be measured by the amount of potentially hazardous materials removed from the solid waste stream and by removing the potential burden of an environmental burden for future generations. There will also be a substantial amount of materials produced for reuse.

Amount of Funding Requested in FY 2010: \$1,500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Lava Hot Springs Wastewater Project

Name of Organization:

City of Lava Hot Springs
115 West Elm
P.O. Box 187
Lava Hot Springs, ID 83246

Description and Justification of the Project: This project allows the City of Lava Hot Springs to stop discharging into the Portneuf River by adding slow rate land application to the existing system: purchase land and irrigate it with effluent. This will require transmission line, pump station and a sprinkling system. The project will improve the collection system by replacing the badly deteriorated sewer mains, correct grade problems and enlarge pipes. The problem of debris build-up in the lagoons will be resolved with flow meter, screens and a grit removal system all housed in a constructed headwork building. The lagoon system will be rehabilitated including the influent pump station and flow monitoring equipment.

Amount of Funding Requested in FY 2010: \$300,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Diesel Emissions Testing Center at Lewis-Clark State College

Name of Organization:

Lewis-Clark State College
500 8th Avenue
Lewiston ID 83501

Description and Justification of the Project: There are no emissions testing facilities in the Northwest—they use their dynamometers to test performance (horsepower, torque etc.) only. Industry leaders enthusiastically support a testing center at Lewis-Clark State College so they can reduce emissions and meet new fuel economy standards that are inevitable. This project will also stimulate the economy by supporting high wage, high demand jobs. Students in the LCSC Diesel Technology and University of Idaho biodiesel programs will have a tremendous advantage when seeking employment due to the skills gained at the Center.

Amount of Funding Requested in FY 2010: \$814,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Murtaugh Wastewater System Improvements

Name of Organization: Murtaugh

Description and Justification of the Project: Improvements to the existing wastewater treatment lagoons would consist of installing influent flow monitoring, adding aerators to the first lagoon, building a lagoon transfer pump station, installing a new chlorine disinfection system, and constructing a new 11.4 million gallon storage lagoon. The existing rapid infiltration basins would be abandoned and the effluent would be pumped to a new 60-acre slow rate land application site using a new effluent pump station. Other improvements would include a canal water pump station, site fencing, site power, site piping, groundwater monitor wells, wheel line irrigation system, and gravel access roads.

Amount of Funding Requested in FY 2010: \$100,200

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: National Indian Impacted School Facility Construction

Name of Organization:

National Indian Impacted Schools Association (NIISA)
27246 County Road 4 Box 30
Naytahwaush, Minnesota 56566

Description and Justification of the Project: Since public schools can not tax Indian lands, they encounter significant obstacles when funding their schools. Therefore, the Impact Aid program within the Department of Education assists school districts with Federal presence, but the funding is insufficient. Congress established a supplemental funding stream from the Department of Defense for schools that are impacted by a large presence of military children. Similarly, a supplemental funding stream from the Bureau of Indian Education for Indian lands schools would provide badly needed funding to schools that are affected by a significant Indian lands presence. The majority of Indian students (93%), attend public schools and would greatly benefit from these resources. School districts in Idaho would be major beneficiaries of this funding.

Amount of Funding Requested in FY 2010: \$13,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Newdale Water System

Name of Organization:

City of Newdale
255 City Street
P.O. Box 70
Newdale, ID 83436

Description and Justification of the Project: The infrastructure improvements are necessary to allow the City to meet the requirements of the Safe Drinking Water Act. The water system requires improvements to lower the arsenic level below the Maximum Contaminant Level set by the Environmental Protection Agency.

Amount of Funding Requested in FY 2010: \$465,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Newdale Wastewater System

Name of Organization:

City of Newdale
255 City Street
P.O. Box 70
Newdale, ID 83436

Description and Justification of the Project: The infrastructure improvements are necessary to meet Idaho Department of Environmental Quality requirements and regulations and improve problems impacting the wastewater facility operations and maintenance.

Amount of Funding Requested in FY 2010: \$411,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project Name: Salmon River Bighorn Sheep Study

Name of Organization: Nez Perce Tribe

Description and Justification of the Project: The Nez Perce Tribe wants to continue efforts to identify any problems with the bighorn sheep population and try to use that information to arrest and reverse the current downward trend in population. The study

will focus on key questions such as how bighorn sheep use habitat as well as their movements and relative abundance on the Salmon River in the Payette and Nez Perce National Forests.

Amount of Funding Requested in FY 2010: \$297,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: North Fremont Gravity Pipeline

Name of Organization:
North Fremont Canal Systems
84 Spruce Street
Box 241
Ashton ID 83420

Description and Justification of the Project: The goal of the North Fremont Canal Systems is to deliver gravity pressurized water to the stockholders in a series of buried pipelines and thereby eliminate almost all pumps and water loss. The NRCS engineers estimate that upon completion of this project we will eliminate the consumption of at least 24,000 Acre Feet of water each summer, remove 4412 pump horsepower from the power grid, and save 5350 MW of power. All return flows to the rivers will be eliminated as well as the occasional canal break which also dumps sediment into the rivers. A large diversion dam would no longer be needed, and removal would enhance fish migration in the Fall River.

Amount of Funding Requested in FY 2010: \$3,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: National Oregon/California Trail Center Operating Expenses and Big Hill Feasibility Study

Name of Organization:
Oregon Trail Center

Description and Justification of the Project: The project over the next three years is to develop independence and ensure survival of this museum interpretive center so that it may become the central community center in rural southeastern Idaho. Since the Center currently has too high of monthly and annual debt obligations, the appropriation will provide annual support sufficient for monthly operating expenses and allow the

Center's volunteer board of directors to concentrate other operating revenues to reduce and eliminate stagnating overhead. The funds will also help build programs pertaining to theatre events, Oregon Trail interpretive tours, student outreach programs and enhance community usage of the facility. Finally, the funding will help with studying and implementing an interpretive site at Big Hill which is an important historical site on the Oregon Trail that has not yet been developed for public view due to lack of access.

Amount of Funding Requested in FY 2010: \$600,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Owyhee Initiative

Name of Organization: Owyhee Initiative

Description and Justification of the Project: The Owyhee Public Land Management Subtitle of the Omnibus Public Land Management Act of 2009 implements of the eight-year long collaborative effort of The Owyhee Initiative (OI), which reached a consensus agreement among national, regional, and local stakeholders to promote the ecological and economic health within Idaho's Owyhee County.

This proposal seeks funding to initiate land exchanges and purchases to acquire private inholdings associated with recently designated wilderness areas in Owyhee County, Idaho. The Owyhee Public Land Management Act established 517,000 acres of wilderness areas and authorized the Secretary of the Interior to acquire lands and interests in lands within those areas. The Bureau of Land Management (BLM) has prepared maps that identify approximately 5,100 acres of high priority fee and conservation easement acquisitions. The funding will permit the BLM to carry out the environmental reviews, resource clearances, appraisals, and administrative tasks needed to proceed with acquiring these lands. The land exchanges and acquisitions will ensure that the new wilderness areas benefit from consistent management, resource protection, and improved public access.

Amount of Funding Requested in FY 2010: \$300,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Owyhee Initiative

Name of Organization: Owyhee Initiative

Description and Justification of the Project: Owyhee County in southwest Idaho contains the richest concentration of archeological resources in Idaho and one of the

richest in the entire Columbia River Basin. As the recreational use of Owyhee County continues to grow, there is a need to implement a Cultural Resource Protection Project to educate the public on the cultural resources of Owyhee County and to ensure that those resources are protected from harm or theft. The Cultural Resource Protection Project will be implemented through service contracts between the BLM and the Shoshone-Paiute Tribes.

Amount of Funding Requested in FY 2010: \$900,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Owyhee Initiative

Name of Organization: Owyhee Initiative

Description and Justification of the Project: This proposal would provide funds for the purchase of the 360-acre Snow Creek and 200-acre Purjue Canyon inholdings within the Little Jacks Creek Wilderness. Both parcels contain high quality habitat for bighorn sheep as well as riparian areas. Acquisition of the Purjue Canyon parcel would ensure public access to the Little Jacks Creek Wilderness Area for hunting and hiking. The two parcels are identified as proposed for acquisition in the maps prepared by the Bureau of Land Management for the Little Jacks Creek Wilderness, which are referenced in the Owyhee Public Lands Management Subtitle of the Omnibus Public Land Management Act of 2009.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Recovery of the Endangered California Condor and the Northern Aplomado Falcon

Name of Organization:

The Peregrine Fund
World Center for Birds of Prey
5668 W. Flying Hawk Lane, Boise, ID 83709

Description and Justification of the Project: The goal of the condor project is to establish a self-sustaining wild population using captive propagation, release, and management, with the ultimate goal to remove them from the Endangered Species List. Through cooperative efforts coordinated by The Peregrine Fund, there are now more condors free-flying than are in captivity. The ultimate goal of the Northern Aplomado

Falcon Recovery project is re-establishing a self-sustaining population of the falcons in the United States and removing this species from the Endangered Species List. Conducting a captive propagation and release program since 1993, our biologists are now recording pairs breeding where they had been absent for 50+ years.

Amount of Funding Requested in FY 2010: \$900,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: City of Priest River Phase 1 and 2 Water System Improvements

Name of Organization:

City of Priest River
209 High Street
Priest River, Idaho 83856

Description and Justification of the Project: The recommended Phase 2 water improvements include, for which the scope of this application is submitted includes:

1. Replacement of approximately 45,000 feet of substandard water distribution pipeline to enable adequate fire protection throughout the City.
2. Refurbish the existing one-million gallon water reservoir.
3. Replace and upsize the current, sole, water transmission main crossing Priest River and providing the sole feed for several service connections.
4. Complete upgrades to the existing water treatment plant and increase the treatment capacity or add a supplemental well to provide the necessary current and projected demands for the system.

Amount of Funding Requested in FY 2010: \$4,600,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Stormwater Design and Improvements

Name of Organization:

The City of Rexburg
12 North Center
PO Box 280
Rexburg, ID 83440

Description and Justification of the Project: Rexburg's spring and summer storm water runoff often wreak havoc on streets and homes, as it overwhelms current storm water drain capacity when it drains off hillsides in the City. The most pressing

construction need is along the 7th South corridor adjacent to BYU-Idaho property where the city constructed a new street and requires better storm water abatement. A storm sewer design plan also needs to be implemented that will aid in the development of needs and costs of present and future storm sewers in Rexburg, including BYU-Idaho. This project will help meet the EPA Standards for Best Management Practices for Storm Water Management.

Amount of Funding Requested in FY 2010: \$880,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Restore the Historic Westwood (Romance) Theatre

Name of Organization:

City of Rexburg
12 N. Center Street
P.O. Box 280
Rexburg, ID 83440

Description and Justification of the Project: As one of the fastest growing communities in Idaho, the City of Rexburg is attempting to restore the Historic Westwood Theatre in our downtown Rexburg. The goal is to restore the building to its former condition, and make it available for future generations to enjoy and appreciate its historical significance. The projects for funding include: repair of the roof and brick parapets on the exterior; restoration of the theatre sign and building front; renovation of the auditorium – including the stage area, electrical and lighting; and improvement of sound equipment in the auditorium. Due to generous in-kind donations and thousands of volunteer hours, progress has been made in some areas of the renovation and the theatre has been able to operate on a limited basis generating some matching funds for this appropriation request.

Amount of Funding Requested in FY 2010: \$200,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Lake Pend Oreille Water Treatment Plant Upgrade

Name of Organization:

City of Sandpoint, Public Works
1123 Lake Street
Sandpoint, Idaho 83864-1714
Bonner County

Description and Justification of the Project: Although Sandpoint and the surrounding smaller cities have unlimited water which to draw from and two sources—a mountain watershed and an adjoining lake—Sandpoint’s treatment capacity is inadequate for the future, let alone the present. As the EPA has gradually increased water treatment standards over the last 15 years, Sandpoint’s treatment facilities, built in 1964 and 1978 respectively, cannot treat sufficient quantities of water to insure public health standards are met and to meet burgeoning growth in the area. The approximate \$20.5 million water treatment upgrade plan would increase treatment capacity from the current, “reliable treatment capacity” of three million gallons per day to 10.5 million gallons per day in high demand season. This increased treatment capacity would insure not only public health but also business and employment growth into the foreseeable future.

Amount of Funding Requested in FY 2010: \$11,275,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Soda Springs Wastewater System Improvements

Name of Organization:

City of Soda Springs
9 W. Second S.
Soda Springs, ID 83276

Description and Justification of the Project: Soda Springs built their wastewater treatment facility over 40 years ago and has made minor upgrades since that time. However, the plant receives substantial infiltration and can no longer meet the discharge permit requirements (NPDES) for ammonia, nor the forthcoming phosphorous limits. Therefore, the City must replace or upgrade the facility to improve the existing basins and equipment and implement additional treatment processes to achieve nutrient removal.

Amount of Funding Requested in FY 2010: \$2,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: South Lake Wastewater Collection and Treatment System

Name of Organization:

South Lake Recreational Water and Sewer District
P.O. Box 647

109 North Main Street, Suite 2
Cascade, ID 83611

Description and Justification of the Project: The proposed project includes the construction of a collection and transmission system for transporting wastewater from the South Lake Recreational Water and Sewer District to a treatment plant also constructed as part of this project and located on Carbarton Road south of the City of Cascade. Treatment will be by a mechanical membrane treatment facility. The proposed project will include the following: Over 8 miles of collection pipeline, Over 10 miles of pressure transmission pipelines, 17 lift stations, A 0.260 MGD mechanical membrane treatment facility.

Amount of Funding Requested in FY 2010: \$2,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: South Fork of the Upper Snake River Area of Critical Environmental Concern (ACEC)/Special Recreation Management Area (SRMA)

Name of Organization:

The Conservation Fund
P.O. Box 1524
Sun Valley, ID 83353

Description and Justification of the Project: As one of our nation's premier fishing destinations and recreational rivers, the South Fork of the Snake River ACEC/SRMA features outstanding fish habitat, water quality, scenic vistas and one of the West's most extensive cottonwood riparian forests. A 1980 U.S. Fish and Wildlife Service study of Idaho's ecosystems rated this area as the most valuable, biologically diverse and unique ecosystems in the state. Through partnerships with landowners, this project has protected valuable fish and wildlife habitat and agricultural lands from fragmentation caused by subdivision pressures from Jackson Hole, WY and out-of-state landowners. Protection of key lands in this landscape preserves and protects natural habitat while simultaneously supporting important recreational, and tourism opportunities in eastern Idaho.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Oregon National Historic Trail/Snake River Rim Special Recreation Management Area

Name of Organization:

The Conservation Fund
P.O. Box 1524
Sun Valley, ID 83353

Description and Justification of the Project: Situated near the scenic Snake River canyon lands just north of Twin Falls, this 204-acre private inholding is located within the Oregon National Historic Trail (NHT)/Snake River Rim Special Recreation Management Area (SRMA) in south central Idaho. Each year, over 500,000 visitors fuel the area's burgeoning tourism trade, associated with the numerous parks and trails along the Snake River Canyon and the famous Shoshone Falls and located conveniently for local residents to recreate. If approved, the funds would allow the Bureau of Land Management to acquire a 204-acre private inholding within the area so as to enhance the recreational benefits that drive the local economy, to protect this historic property from development, to provide an amenity to help attract local businesses and to ensure a clean water supply for the surrounding cities.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Henry's Lake Area of Critical Environmental Concern (ACEC)

Name of Organization: The Nature Conservancy Idaho

Description and Justification of the Project: This request will provide funding to the Bureau of Land Management for a conservation easement over 700 acres of working ranchlands within the Henry's Lake Area of Critical Environmental Concern (ACEC). The Henry's Lake area is exceptionally rich in wildlife, ranging from pronghorn antelope and elk to grizzly bear and wolverine. Existing undeveloped ranches around Henry's Lake provide the wildlife migration corridors and seasonal habitats used by wildlife from across a wide area including Yellowstone National Park. This project protects valuable habitat and migration corridors from fragmentation caused by subdivision and development.

Amount of Funding Requested in FY 2010: \$1,000,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: McCarthur Lake Project

Name of Organization: The Nature Conservancy Idaho

Description and Justification of the Project: This project would permit The Nature Conservancy to facilitate the acquisition from Forest Capital Partners of a conservation easement on 3,727 acres of private timberlands within the McArthur Lake Wildlife Corridor in Bonner and Boundary County, Idaho. The area has long been recognized as a critical link for wildlife movement between the Selkirk Range and the Cabinet-Yaak country. The conservation easement would further the two main purposes of the Forest Legacy Program: to protect the natural values of private forest lands and to secure a continuing source of timber for local communities and the nation.

Amount of Funding Requested in FY 2010: \$3,345,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Morgan Ranch LWCF

Name of Organization:
The Trust for Public Land
660 Pennsylvania Avenue, SE
Suite 401
Washington, D.C. 20003

Description and Justification of the Project: The Forest Service has been working to protect important natural and recreational resources along the Salmon River and its tributaries by securing interests in critical inholdings from willing sellers. Protection of the 160-acre Morgan Ranch, one such inholding, will protect wildlife habitat and public access to the river for anglers and rafters, and improve Forest Service fire and land management. If this property is not protected, development could eliminate significant public recreational opportunities and diminish public resources in a spectacular scenic area.

Amount of Funding Requested in FY 2010: \$2,200,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Twin Falls County Court House Historic Renovation and Energy Efficiency Project

Name of Organization:
Twin Falls County
425 Shoshone Street North
P.O. Box 126

Twin Falls, ID 83303-0126

Description and Justification of the Project: The 3rd and 4th floor offices of the court house are scheduled for a massive renovation project beginning April, 2009. Renovations are designed to create a more functional and energy efficient government office building and will also restore time and period elements that have been decimated in previous renovations.

Amount of Funding Requested in FY 2010: \$450,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Upper Columbia United Tribes

Name of Organization:
Upper Columbia United Tribes
25 W. Main Ave., Suite 434
Spokane, WA 99201

Description and Justification of the Project: The Upper Columbia United Tribes (UCUT), a federally recognized tribal non-profit organization, provides natural and cultural resources management services and project coordination in conjunction with its five Member Tribes and for the benefit of all people in our region. Our successful regional approach, covering a large geographic, enables the UCUT to deliver these services in an extremely cost effective, productive and transparent manner.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Wendell Wastewater System Upgrade Project

Name of Organization:
City of Wendell
375 East Ave. 1st
P.O. Box 208
Wendell, Idaho 83355

Description and Justification of the Project: The project consists of the comprehensive upgrade of the City of Wendell's wastewater collection and treatment system. Project components include the renovation of the City's lagoon treatment system and the acquisition of property for land application. This process will improve

the quality of the treated wastewater and resolve IDEQ compliance issues with the City's land application permit. Roughly 2,575 linear feet of transmission lines will also be replaced to eliminate critical bottlenecks in the collection system.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Interior, Environment Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Salmon Stronghold Partnership Program

Name of Organization:

Wild Salmon Center
721 NW Ninth Ave, Suite 300
Portland, OR 97209

Description and Justification of the Project: The Salmon Stronghold Partnership Program will complement critical salmon recovery efforts by providing federal support and resources for public-private, incentive based efforts to protect and restore the healthiest remaining wild Pacific salmon ecosystems in North America—"salmon strongholds". There are two types of projects that will be funded under this program: 1) watershed-level activities that implement high value conservation actions to address limiting factors within salmon stronghold basins and ensure that habitat remains intact for adaptation (e.g. voluntary habitat restoration and protection projects); and 2) complex, multi-basin initiatives that address inefficiencies within government programs or the marketplace, which community stakeholders are unequipped to address at the local level (e.g. development of innovative financial mechanisms to provide stewardship incentives, like payments for ecosystem services; amendment of inefficient federal policies that hinder conservation). This program will ensure that healthy rivers obtain critical funding for the highest value conservation actions within the basin.

Amount of Funding Requested in FY 2010: \$10,000,000

Projects listed in alphabetical order based on requesting organization

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Bear Lake Memorial Hospital Addition and Remodel

Name of Organization:

Bear Lake Memorial Hospital
164 South 5th Street
Montpelier, ID 83254

Description and Justification of the Project:

Bear Lake Memorial Hospital seeks to improve patient care and access. Currently, the hospital lacks a waiting room space for emergency patrons and does not have a central space in which diagnostic imaging services can be conducted. The funds being requested will be used to design and construct an addition to the hospital.

Amount of Funding Requested in FY 2010: \$750,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Best Buddies Idaho

Name of Organization:

Best Buddies International, Inc.
100 SE Second Street
Suite 2200
Miami, FL 33131

Description and Justification of the Project:

Founded by Anthony Kennedy Shriver in 1989, Best Buddies is a 501(C) nonprofit organization dedicated to fostering the social integration of individuals with intellectual disabilities. A proven model, Best Buddies achieves this goal by organizing – and rigorously overseeing – volunteer-run chapters at middle school, high school, and college campuses, which pair students with and without intellectual disabilities in a one-to-one mentoring friendship. The mission is also carried out through e-Buddies, an Internet pen pal program, Best Buddies Citizens, an adult friendship program, and Best Buddies Jobs, a supported employment program.

Having hosted the Special Olympics World Winter Games, Idaho is at the forefront in the movement to recognize the unique talents and skills of children and adults with intellectual disabilities. In Idaho, there are approximately 25,879 people needing the services Best Buddies offers. An appropriation of \$250,000 would allow us to open an office in Idaho and hire three full-time employees who would support 24 middle school, high school, or college Best Buddies chapters in the state. This project will have 600 participants, train 96 student leaders, provide leadership training to 24 students with intellectual disabilities, and include 96 group outings and countless individual meetings. This project will positively impact the lives of 3,000 children and adults in Idaho.

Amount of Funding Requested in FY 2010: \$250,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Women and Child Services Expansion Project at Bingham Memorial Hospital, Inc.

Name of Organization:

Bingham Memorial Hospital
98 Poplar
Blackfoot, ID 83221

Description and Justification of the Project:

Bingham Memorial Hospital will embark on an expansion program for Women and Child Services. The current Women's Center and Birthing Center are operating at full capacity and lack room for growth. Bingham Memorial Hospital will use the funds being requested to commence Phase Two of the Women and Child Services Expansion Project to expand the hospital's birthing center. The expanded center will accommodate additional labor, deliver and recovery rooms, cesarean section rooms, and high risk ante partum and post-operative care, along with a postpartum unit, gynecology services, handicapped rooms, waiting rooms, and a state-of-the-art nursery.

Amount of Funding Requested in FY 2010: \$1,800,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Idaho SySTEMic Solution: Plant Early for STEM Learning (science, technology, engineering, and math)

Name of Organization:

Boise State University
1910 University Drive
Boise, ID 83725-1135

Description and Justification of the Project:

Idaho SySTEMic Solution enhances the learning by doing method by integrating the latest research on learning styles and brain development. It is a learning system aligned with grade-level curriculum that allows children to solve and create with tools such as Lego materials and other building systems, software and lab equipment to deeply understand how math and science principles such as friction and fractions apply in their real world. In the process, children learn to solve problems, think creatively and critically, and become comfortable with math and science.

Amount of Funding Requested in FY 2010: \$600,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Boys & Girls Clubs of Nampa Youth Internet Safety Education Project

Name of Organization:

Boys & Girls Clubs of Nampa
316 Stampede Drive
Nampa, ID 83687

Description and Justification of the Project:

State and local agencies place responsibility for teaching youth Internet safety in the hands of educators who have not received adequate professional development in this area. The Boys & Girls Clubs of Nampa (BGCN) is addressing this problem by partnering with Web Wise Kids (WWK) to implement Internet safety programs in schools serving students in grades six through nine. The requested funds will be used to provide Internet safety training.

Amount of Funding Requested in FY 2010: \$94,300

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Business Psychology Associates

Name of Organization:

Business Psychology Associates
Sarah Woodley, President
380 East ParkCenter Blvd., Suite 300
Boise, ID 83706

Description and Justification of the Project:

The Idaho America's Heroes at Work project equips employers and the workforce development system with the tools they need to help returning service members affected by TBI and/or PTSD succeed in the workplace - particularly service members returning from Iraq and Afghanistan. The program specifically addresses the gap in assistance for National Guardsmen and Reservists who return to their civilian workplace with behavioral healthcare and employee assistance program requirements.

Amount of Funding Requested in FY 2010: \$400,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Caribou Memorial Hospital Full Fire Sprinkler Project

Name of Organization:

Caribou Memorial Hospital
300 South 3rd West
Soda Springs, ID 83276

Description and Justification of the Project:

When Caribou Memorial Hospital was completed in 1969, it fully met all applicable Life Safety and building codes. Since then it has been "grandfathered" in as codes have changed. However, because of changes in the law, the hospital is now required to have full sprinkling by 2013. This project will install full sprinkling in the entire facility, as now required by the Life Safety Codes.

Amount of Funding Requested in FY 2010: \$370,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Medical Equipment to Expand and Modernize Care to Cassia and Minidoka Counties

Name of Organization:

Cassia Regional Medical Center
1501 Hiland Avenue
Burley, ID 83318

Description and Justification of the Project:

Cassia Regional Medical Center is a 25-bed critical access facility that serves the 45,000 residents of Cassia and Minidoka counties. The requested funds will be used to purchase a stereotactic biopsy system, ultrasound, nurse call system, anesthesia machine and an operating room table. This equipment will further Cassia Regional Medical Center's initiatives to expand and modernize service in the rural counties of Cassia and Minidoka.

Amount of Funding Requested in FY 2010: \$350,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: The Idaho Children's Health Project

Name of Organization:

The Children's Health Fund
215 West 125th Street, Suite 301
New York, NY 10027

Description and Justification of the Project:

The Children's Health Fund is requesting a supplemental mobile dental unit for the Idaho Children's Health Project to expand services to Blain and Lincoln counties. There are currently no dental or mental health service providers willing to see Medicaid or uninsured in either of these counties. As a result, these children and women either go without services or travel up to 80 miles to receive services. The requested funds will be used to acquire the mobile dental unit that will house two dental chairs, a digital x-ray and Ortho Pan system. Funds will also be used for the installation of electronic health records.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: The Bridge

Name of Organization:

The Children's Home Society of Idaho for The Bridge

740 Warm Springs Avenue
Boise, ID 83712

Description and Justification of the Project:

The Bridge is a program that works in partnership with Idaho's Department of Health and Welfare to improve the lives of children entering foster care in Southwest Idaho. The Bridge has four homes where licensed foster parents can live rent-free in exchange for providing exceptional care to our community's most vulnerable children. This program assists the Idaho Department of Health and Welfare in placing children in foster care situations better matched to the child's emotional, physical, religious and ethnic background and needs. The Bridge homes help alleviate some of the challenges associated with sibling group placements, and the number of moves these experience while in care.

Amount of Funding Requested in FY 2010: \$210,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project:

Twin Falls Library Modernization Project

Name of Organization:

City of Twin Falls Public Library
Twin Falls, Idaho
201 Fourth Avenue East
Twin Falls, ID 83301

Description and Justification of the Project:

The Twin Falls Public Library seeks to obtain a fully searchable database for its local historical newspapers. The Library has on 709 reels of microfilm the local newspapers from 1904 to the present. The reference staff would be able to serve the patrons, both on site and remotely, more efficiently if the microfilm was digitized and indexed. This newspaper database would be an historical asset to library patrons and would provide a convenient and unique service to the community.

Amount of Funding Requested in FY 2010: \$86,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Clearwater Valley Hospital - Clinic Expansion

Name of Organization:

Clearwater Valley Hospital and Clinics, Inc.
301 Cedar St.
Orofino, ID 83544

Description and Justification of the Project:

In 1999, a master site plan of Clearwater Valley Hospital indicated that the hospital and clinic need at least twice the existing space to provide adequate services. Since this finding, an addition to the emergency room was completed. However, other critical patient care areas still suffer from a serious lack of space. The requested funds will be used to design and construct an expanded hospital clinic. The construction of the new clinic will result in increased health care access for frontier residents, two-thirds of whom live at or below 200% of the federal poverty level. The clinic will serve all residents, regardless of their ability to pay.

Amount of Funding Requested in FY 2010: \$1,000,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Coeur d'Alene Tribe – Benewah Medical Center Equipment Needs

Name of Organization:

Coeur d'Alene Tribe
Benewah Medical Center
1115 B Street
P.O. Box 388
Plummer, ID 83851

Description and Justification of the Project:

The Benewah Medical Center is the primary health care provider within its service area, serving a rural population of approximately 18,500. The requested funds will be used to purchase a new ScriptPro prescription dispensing system. This equipment will decrease the need for Benewah Medical Center to hire an additional pharmacist who typically command high salaries and are extremely difficult to recruit in rural settings. Ultimately, ScriptPro would enable the center to continue to provide quality health care services for the residents of its service area, particularly the poor, uninsured and under-insured.

Amount of Funding Requested in FY 2010: \$236,698

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project:

The College of Idaho Boone Science Hall Renovation and Addition

Name of Organization:

The College of Idaho
2112 Cleveland Boulevard
Caldwell, ID 83605

Description and Justification of the Project:

The College of Idaho Boone Science Hall Renovation to include planning and design, construction, salaries required for project.

Amount of Funding Requested in FY 2010: \$750,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: College of Idaho Library Technology Infrastructure Upgrade LHHS (FIPSE *[For the improvement of secondary education.]*)

Name of Organization:

The College of Idaho
2112 Cleveland Boulevard
Caldwell, ID 83605

Description and Justification of the Project:

The College of Idaho infrastructure upgrade to include planning, construction and salaries required for completion of project. Total cost of project: \$600,000. The College of Idaho intends to use funds from other sources for the additional \$300,000 needed.

Amount of Funding Requested in FY 2010: \$300,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: College of Southern Idaho Pro Tech Program

Name of Organization:

College of Southern Idaho
315 Falls Avenue
P.O. Box 1238
Twin Falls, ID 83303

Description and Justification of the Project:

CSI is participating in a joint educational venture with Twin Falls High School and local industry that creates a pre-engineering academy at the high school and a Computerized Numeric Controls (CNC)/Industrial Networking Program at the college campus. The Pro-Tech program involves students from grade levels 10-14, and allows the students to move from high school into a two-year program at CSI or into an engineering program at one of Idaho's four-year institutions. At the secondary school level, students learn the basics of computer-assisted design, design physics, and fabrication, with each course offering alighted to the program at CSI through either tech prep or dual credit affiliation. At the post-secondary level students will receive industry-standard training in CNC, automated logic, and industrial networking.

Amount of Funding Requested in FY 2010: \$200,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Renewable Energy Technician Training Program

Name of Organization:

College of Southern Idaho
315 Falls Avenue
PO Box 1238
Twin Falls, ID 83303

Description and Justification of the Project:

In 2008 the Idaho State Board of Education approved CSI's application for a one year Technical Certificate Program for Renewable Energy Technicians. The program is scheduled to begin in August 2009.

The College of Southern Idaho's Renewable Energy Technician Training Program will create apprenticeship and job training programs to meet growing demand for green construction professionals skilled in energy efficiency and renewable energy technology. The requested funds will be used to develop the Renewable Energy Technician Training Program's curriculum and purchase renewable energy equipment for program training.

Amount of Funding Requested in FY 2010: \$400,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Life's Kitchen: Training for Throw-Away, Put-Away and Run-Away Youth

Name of Organization:

Culinary Skills Training Center, Inc.
Db a Life's Kitchen
1025 S. Capitol Blvd.
Boise, ID 83706

Description and Justification of the Project:

The project's primary objective is to stop the cycle of homelessness and prevent dependence on public assistance for at-risk, low-income youth (ages 16-20) through hands-on experience in the culinary arts combined with life skills instruction. Life's Kitchen provides an innovative 16-week educational program of hands-on work experience training for young people who are at-risk and living on the fringe of society. Students access our program through high school counselors, employment agencies, social workers, juvenile correction officers, or through word-of-mouth.

Amount of Funding Requested in FY 2010: \$150,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Discovery Center of Idaho Exhibit and Project Expansion

Name of Organization:

Discovery Center of Idaho, Inc. 501(c)(3)
131 Myrtle Street
Boise, ID 83702

Description and Justification of the Project:

To accommodate recent and projected service growth, the board and staff of the Discovery Center have been planning for an expanded facility in concordance with its Strategic Plan. The requested funds will be used to expand the exhibits and education programs at the Discovery Center.

Amount of Funding Requested in FY 2010: \$500,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Developing a Sustainable Model for Bringing Family Physicians to Rural Idaho

Name of Organization:

Family Medicine Residency of Idaho, Inc.
777 North Raymond Street
Boise, ID 83704

Description and Justification of the Project:

Idaho currently ranks 49th on physician access in the United States. There is also a significant distribution problem of physicians throughout the state, resulting in much of Idaho being medically underserved. The requested funds will be used to support two personnel who are working to develop Rural Training Track sites in rural communities throughout Idaho. The development of additional sites will expose residents to rural communities which is essential as Idaho works to increase the rural family physician work force throughout the state.

Amount of Funding Requested in FY 2010: \$149,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Franklin County Medical Center Radiology Equipment

Name of Organization:

Franklin County Medical Center
44 North 100 East
Preston, ID 83263

Description and Justification of the Project:

The requested funds would support the purchase of two pieces of Radiological equipment. The purchase of new Ultrasound Equipment is vital for the function of FCMC and the doctors who treat patients locally. It will also support the purchase of a new Portable X-ray machine. This equipment is vital for treating emergencies, diagnostic support for prenatal women, and other diagnostic needs.

Amount of Funding Requested in FY 2010: \$400,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Gritman Medical Center's Community Wellness Project

Name of Organization:

Gritman Medical Center
700 South Main Street
Moscow, ID 83843

Description and Justification of the Project:

The requested funds would be used to renovate and expand the former Latah Health Services nursing home site into the Gritman Community Wellness Center. This renovation would consolidate several vital programs under one roof and in turn allow for the expansion of these programs (growth has been hindered by space restrictions).

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Eastern Idaho Regional Electronic Health Records

Name of Organization:

The Hospital Cooperative
651 Memorial Drive
Pocatello, ID 83201

Description and Justification of the Project:

The Hospital Cooperative and its member hospitals are developing a plan to make protected health information available in appropriate clinical settings through the creation of a regional electronic health record system. This system will focus on the creation of common data by pulling information from disparate technologies into a common database. The most critical and important achievement resulting from a regional electronic health record is the greater continuity of care realized by both patients and providers due to access of necessary information.

Amount of Funding Requested in FY 2010: \$750,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Biochemistry and Microbiology Laboratory Equipment

Name of Organization:

Idaho State University
921 South 8th Avenue, Stop 8007
Pocatello, ID 83209-8007

Description and Justification of the Project:

The acquisition of laboratory equipment will allow ISU Biochemistry and Microbiology undergraduate programs: to provide a superior curriculum, to offer outstanding academic laboratories, facilitate cutting-edge interdisciplinary research opportunities, and recruit and retain excellent students and faculty. These programs prepare hundreds of students per year for careers in science and medicine. Modern instrumentation is essential to make both the Biochemistry and Microbiology programs outstanding at ISU.

Amount of Funding Requested in FY 2010: \$431,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Idaho State University Electronic Health Management for University Clinics

Name of Organization:

Idaho State University
921 South 8th Avenue, Stop 8007
Pocatello, ID 83209-8007

Description and Justification of the Project:

Idaho State University will establish an electronic health records management (EHR) system for the University Clinics of the Kasiska College of Health Professions (KCHP). These clinics operate independently, rarely making inter-disciplinary referrals, sharing medical information or coordinating billing. The funds would be used to extend existing system to include all of the clinics under the proposed University Clinics in both Pocatello and Boise sites. The proposed system will enable University Clinics to substantially increase its services and provide improved access to a larger proportion of Idaho residents.

Amount of Funding Requested in FY 2010: \$550,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Recruiting for the Information Technology Age (RITA)

Name of Organization:

Idaho Women Work!
1000 West Garden Ave.
Coeur d'Alene, ID 83814

Description and Justification of the Project:

Recruiting for the Information Technology Age (RITA) is a multifaceted initiative to address the under-representation of women in the information technology sector. RITA is designed to increase the recruitment, training, hiring, and retention of women in skilled technology jobs. Using a fiscal year 2004 earmark, Idaho Women Work! organizations used RITA to provide low-income women with soft skills support services, education, training, and job placement support. These sites also collectively partnered with local employers to consult on job skills gaps, future employment and sector trends; as well as provided RITA participants opportunities for internships, job shadowing, or permanent employment. This turnkey model has proven effective at giving women the training and support needed to acquire and maintain stable employment and earn family supporting wages.

Amount of Funding Requested in FY 2010: \$150,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Idaho Early Literacy Project

Name of Organization:

Lee Pesky Learning Center
3324 Elder Street
Boise, ID 83705

Description and Justification of the Project:

The aim of the Idaho Early Literacy Project is to assure that all children in Idaho are ready to read when they enter school. This stage of the project (Stage III -- FY10) includes (1) utilization of the research-based booklets, Every Child Ready to Read and Every Child Ready for Math, (2) an integrated approach to reading and mathematical literacy, (3) the training of child care providers statewide, both live and on-line, and (4) a direct intervention with parents and children. Stage III builds on early literacy training models implemented in 2008-2010 by unifying reading and mathematical literacy and by strengthening the intervention with parents and children. As such, the project assures that pre-school children will receive direct literacy education (1) from child care providers and (2) in special workshops with their parents, creating the "language rich" upbringing necessary to success in school.

Amount of Funding Requested in FY 2010: \$397,800

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: American Indian Scholar Program at Lewis-Clark State College

Name of Organization:

Lewis-Clark State College
500 8th Avenue
Lewiston, ID 83501

Description and Justification of the Project:

Lewis-Clark State College serves the Nez Perce and the Coeur d'Alene Reservations. The college will institute the American Indian Scholar Program to increase nursing education opportunities for individuals from disadvantaged backgrounds, including racial and ethnic minorities underrepresented among registered nurses. The funds being requested will be used for fellowships, scholarships, and stipends to assist underrepresented students as they pursue a Bachelor of Science in nursing.

Amount of Funding Requested in FY 2010: \$339,400

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Construction and Renovation Project at Madison County Memorial Hospital

Name of Organization:

Madison County Memorial Hospital
PO Box 310
450 East Main
Rexburg, ID 83440

Description and Justification of the Project:

The requested funds will be used to initiate the implementation of the electronic medical record system into physician clinics that feed into Madison Memorial Hospital. This system will make it easier for physicians and clinicians to comply with all regulations by enabling them to keep their records up to date. In addition, patient safety will be increased by developing a paperless electronic medical record environment where clinical information can be readily shared via electronic transactions with all entities within the Madison Memorial Hospital network.

Amount of Funding Requested in FY 2010: \$363,633

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Minidoka Memorial Hospital – Emergency Room – 2011

Name of Organization:

Minidoka Memorial Hospital
1224 8th Street
Rupert, ID 83350

Description and Justification of the Project:

Minidoka Memorial Hospital will construct a new emergency room and make facility upgrades. Funds will be used for materials and construction toward new ER and facility upgrades to begin December 2010 with estimated completion in December 2011.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: National Student/Parent Mock Election

Name of Organization:

National Student/Parent Mock Election
225 W. Oro Valley Drive
Tucson, AZ 85737

Description and Justification of the Project:

The National Student/Parent Mock Election is a non-profit, non-partisan organization that provides civic education for students and their parents from K-college on the responsibilities of the citizen in a democracy. This organization is the world's largest mock election and is gearing up for the Congressional elections of 2010 during which it seeks to send informed voters to the polls. Since 1980, over 50 million students and parents in all 50 states (including Idaho), Washington, D.C. and American schools around the world have learned what it means to be an American. The National Student/Parent Mock Election hopes to increase its efforts to reach underrepresented groups in Idaho by involving parents along with students.

Amount of Funding Requested in FY 2010: \$275,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: North Idaho College Dental Hygiene and Assisting Program

Name of Organization:

North Idaho College
1000 W. Garden Avenue
Coeur d'Alene, ID 83814

Description and Justification of the Project:

North Idaho College is currently partnering with Dirne Community Health Center by utilizing its facility as a clinical site for nursing and medical assisting. The requested funds will be used to enhance the existing dental clinic to improve service to low-income patients, uninsured patients, and underinsured patients who would otherwise be turned away from dental care. In addition, North Idaho College Dental Hygiene and Assisting programs will use the facility as a learning lab.

Amount of Funding Requested in FY 2010: \$250,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: North Idaho Electronic Medical Records

Name of Organization:

North Idaho Rural Health Consortium
2003 Lincoln Way
Coeur D'Alene, ID 83814

Description and Justification of the Project:

The North Idaho Rural Health Consortium exists to provide a regional cooperative approach to the delivery of rural health care in the five northern counties of Idaho. The Consortium is working to develop an Electronic Medical Records Network so that each physician providing care would have the current patient's history and refrain from ordering duplicate tests and procedures, helping to reduce the cost of medical care and improving patient safety.

The requested funds will be used to upgrade software (including installation & staff training) in the five hospitals located in the five northern counties of Idaho.

This will allow a seamless flow of health information for patients receiving medical care from multiple providers within the region.

Amount of Funding Requested in FY 2010: \$5,500,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Nursing Education Equipment Upgrades at Northwest Nazarene University

Name of Organization:

Northwest Nazarene University
923 Holly Street
Nampa, ID 83686

Description and Justification of the Project:

In the fall of 2009, Northwest Nazarene University (NNU) will open a new health and science facility to help address the anticipated shortage of health care providers created by Idaho's population growth and the significant percentage of the nursing workforce nearing retirement. The new facility will double the enrollment capacity of NNU's nursing program. To meet this immediate increased in capacity, additional equipment is necessary. The requested funds will be combined with privately raised funds and general tuition-based reserves to purchase equipment that will train the next generation of Idaho's health care professionals.

Amount of Funding Requested in FY 2010: \$400,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Science, Technology, Engineering and Mathematics Equipment Upgrades at Northwest Nazarene University

Name of Organization:

Northwest Nazarene University
623 Holly Street
Nampa, ID 83686

Description and Justification of the Project:

There is a critical need for domestic scientists and mathematicians in the US. Northwest Nazarene University will address this need by attracting more students

into careers in science by incorporating state-of-the-art science laboratory equipment in its new science facility.

Northwest Nazarene University will use the funds being requested to obtain specialized science, technology, engineering and mathematics (STEM) equipment for their new health and science facility. This new equipment will allow students to develop skills transferred more readily to practical and professional applications of science, increase the marketability of NNU's graduates and enhance effectiveness in graduate school and the workforce.

Amount of Funding Requested in FY 2010: \$445,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: The National Oregon/California Trail Center Operating Expenses and Big Hill Feasibility Study

Name of Organization:

Oregon Trail Center, Inc. dba The National Oregon/California Trail Center
(a non-profit 501(c)(3) organization)
P.O. Box 323
320 North 4th Street
Montpelier, ID 83254

Description and Justification of the Project:

The project over the next 3 years is to develop independence and ensure survival of this museum/interpretive center so that it may become the central community center in rural southeastern Idaho. Since the Center currently has too high of monthly and annual debt obligations, the appropriation will provide annual support sufficient for monthly operating expenses (staff salaries, utilities, building maintenance, etc.) and allow the Center's volunteer board of directors to concentrate other operating revenues to reduce and eliminate stagnating overhead. The appropriation will also help build programs pertaining to theatre events, Oregon Trail interpretive tours, student outreach programs and enhance community usage of the facility. Finally, the funding will help with studying and implementing an interpretive site at Big Hill which is an important historical site on the Oregon Trail that has not yet been developed for public view due to lack of access.

Amount of Funding Requested in FY 2010: \$600,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Regence Caring Foundation Dental Project to benefit low-income, uninsured Children in Idaho

Name of Organization:

Regence Caring Foundation for Children
1211 W. Myrtle, Suite 110
Boise, ID 83702

Description and Justification of the Project:

The Regence Caring Foundation will provide access to needed dental services for 600 low-income, uninsured Idaho children. Eligible children will be identified by working in partnership with Idaho schools, Head Start programs, and other children's programs (YMCA, Boys & Girls Clubs etc.). The requested funds will be used to cover the costs of dental care services for the 600 children. These services will be provided by working in partnership with Idaho dental providers.

Amount of Funding Requested in FY 2010: \$300,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Trauma and Regional Emergency Preparedness Initiatives

Name of Organization:

Saint Alphonsus Regional Medical Center
1055 North Curtis Road
Boise, ID 83706-1370

Description and Justification of the Project:

In the rural setting, maintaining life saving skills and disaster preparedness is uniquely challenging. Saint Alphonsus will use the requested funds to continue to bridge the rural education and training gap with a mobile high-fidelity patient simulation program, which is characterized by dynamic and interactive manikins and sophisticated computerized modeling that ensures a high degree of clinical realism. Both EMS providers and physicians and nurses in rural Critical Access Hospitals will become the beneficiaries of training that will ensure a constant state of preparedness in order to render truly life-saving care for critically ill and injured patients.

Amount of Funding Requested in FY 2010: \$375,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Special Olympics Education Program

Name of Organization:

Special Olympics International
1133 19th Street NW
Washington, D.C. 20036

Description and Justification of the Project:

The requested funds will be used to educate and inform US citizens, with a strong emphasis on youth, in ways that activate them to volunteer in support of our efforts to recruit more athletes and enhance dramatically the quality of the sports experience. This project will strengthen and expand state program efforts to grow quality sports training and competition programs, thereby enabling more children, young adults and adults with intellectual disabilities to train and compete in their choice of the 26 sport programs offered by Special Olympics.

Amount of Funding Requested in FY 2010: \$7,000,000

FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project: Children's Health Services Expansion

Name of Organization:

St. Luke's Health System
190 E. Bannock Street
Boise, ID 83712

Description and Justification of the Project:

The Children's Health Services Expansion project began in 2000. The project has encompassed five key children's services: the Newborn Intensive Care Unit (NICU), Pediatric Medical/Surgical Inpatient Unit, the Pediatric Oncology Inpatient Unit, the Pediatric Intensive Care Unit (PICU) and Pediatric Surgical Suites and Support Areas. Prior to the beginning of this multi-year project each area was frequently full, requiring children to be placed on adult units or diverted to other and often very distant hospitals. The project has resulted in expanding all units with state-of-the-art facilities and equipment.

Due to the ongoing need for advanced technology to most safely accommodate patients, Phase 4, the final phase of the Children's Hospital Expansion Project,

includes a full Electronic Medical Record and an integrated Monitor system. The requested funds will be used to cover the equipment needed to implement the Electronic Medical Record and integrated Monitor systems.

Amount of Funding Requested in FY 2010: \$350,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: St. Mary's Hospital – Health Informatics

Name of Organization:

St. Mary's Hospital
701 Lewiston St.
P.O. Box 137
Cottonwood, ID 83522-1037

Description and Justification of the Project:

The requested funds will be used to purchase and install a clinic-based electronic medical record system. St. Mary's Hospital will partner with Clearwater Valley Hospital to implement this system. The system will allow outpatient records to be matched with in-patient records so that doctors over a 3-county service area the size of Main will have instant access to full patient records. Frontier residents will benefit from improved patient safety and enhanced access to evidence-based medical care with the completion of this project.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Labor, HHS, Education Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch**

Project: Program Expansion for 2-1-1 Idaho CareLine

Name of Organization:

United Way of Treasure Valley
2340 S. Vista Avenue
Boise, ID 83705

Description and Justification of the Project:

2-1-1 Idaho CareLine is a means to provide Idahoans access to existing health and human service programs within the state by simply dialing 211. 2-1-1 Idaho CareLine facilitates broad and easy access to help people in need find resources in their own community, and is particularly important in Idaho's rural communities

where fewer services exist. The requested funds will be used for equipment upgrades, database and technology enhancements, to increase the call center capacity, and for accreditation purposes.

Amount of Funding Requested in FY 2010: \$360,000

Projects listed in alphabetical order based on requesting organization

FY 2010 Military Construction Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Logistics Readiness Center at Mountain Home Air Force Base, Mountain Home, ID

Description and Justification of the Project: The base supply and traffic management freight terminal complex is a wooden facility from 1955 which has been condemned by engineers due to safety concerns. It has failing structural roof trusses and cracked supports, although temporary structural supports were installed at key locations to allow personnel limited operations. The funding will provide for replacement facilities which will comply with Department of Defense anti-terrorism/force protection requirements per Unified Facilities Criteria.

Amount of Funding Requested in FY 2010: \$20,000,000

FY 2010 Military Construction Subcommittee
Request by Senator Mike Crapo and Senator James E. Risch

Project/Recipient: Civil Engineer Facility at Mountain Home Air Force Base, Mountain Home, ID

Description and Justification of the Project: Civil engineer functions are currently dispersed among 10 WWII-era wood-frame and Korean War era facilities. Cracked foundations have contributed to failing floors and trusses, presenting risk to squadron members who work in the facilities. Employees must evacuate these buildings to ensure their personal safety during heavy snowfalls and frequent high winds. The funding will provide for a replacement facility to integrate multifaceted functions supporting the planning, construction, and maintenance of base facilities, pavements, and utility systems.

Amount of Funding Requested in FY 2010: \$22,000,000

Projects listed in alphabetical order based on requesting organization

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Senior Center Remodel & Enhancement Project, ID

Name of Organization: Blaine County Senior Council, Inc

Description and Justification of the Project: To remodel and upgrade of the Senior Center located at 721 3rd Ave. South in Hailey, Idaho, including the commercial kitchen, restrooms and pedestrian access to and from the building.

Amount of Funding Requested in FY 2010: \$250,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Boise Airport Runway Improvements, Boise, ID

Name of Organization: Boise Air Terminal

Description and Justification of the Project: Runway Improvements to provide for the first expansion and connection of the Boise Airport runway. It will address some safety concerns, and improvements to runway 28L. Improvements include an environmental assessment, planning, design and construction extend the runway by 1600 feet to the east and provide an end runway crossing.

Amount of Funding Requested in FY 2010: \$2,750,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Advanced Wireless Sensing Technologies for Air, Water, Road, Highways, and Bridges Systems, Boise, ID

Name of Organization: Boise State University

Description and Justification of the Project: Funds will be used to design a prototype of a wireless monitoring and detection system. The desired output of work funded through this competition is a robust, deployable, cost effective, and accurate sensing system for the measurement of air quality, fatigue, corrosion, stress, usage, damage,

and other performance variables. The funds will be used to fund the research, development, building the prototype, and salaries for students and faculties. It will also fund field deployment and testing the system in the native environments.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Goose Lake Road Reconstruction, McCall, ID

Name of Organization: Brundage Mountain Resort

Description and Justification of the Project: Engineering Design and Environmental Study associated with reconstruction for the Goose Lake Road. The Goose Lake Road project is 4 miles in length providing access to thousands of acres of National Forest, lakes, streams and mountains including Brundage Mountain Ski Resort.

Amount of Funding Requested in FY 2010: \$750,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Pioneer Corridor Redevelopment Project, ID

Name of Organization: Capital City Development Corp

Description and Justification of the Project: To provide improvements to the Pioneer Walkway, a historical connection between downtown and the Boise River. The project will re-establish a straight historic path alignment, provide easy access for bikes and pedestrians and add aesthetic and cultural amenities, streetscape furnishings and trees. It will co-locate utilities in a single corridor including new telecommunications fiber, a much-needed loop in the city's unique geothermal heating district, and innovative sustainable development components like area-wide storm water collection and treatment.

Amount of Funding Requested in FY 2010: \$1,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: “The Boise Green House,” a business incubator that focuses on sustainable practices and renewable energy, ID

Name of Organization: City of Boise

Description and Justification of the Project: To provide an incubator for businesses that focus on sustainable practices and renewable energy and will be a platform for entrepreneurs by providing all of the necessary services a business needs to thrive, including office space, state-of-the-art telecommunications, and consulting with operations, legal, accounting, human resources and other consultants.

Amount of Funding Requested in FY 2010: \$275,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Pre-Disaster Assessment and Environmental and Disaster Mitigation – Boise, Idaho Petroleum Terminal Facilities Relocation Feasibility Study, ID

Name of Organization: City of Boise

Description and Justification of the Project: Pre-disaster assessment/study for mitigation and relocation of the Boise, Idaho Petroleum Terminal Facilities to identify and evaluate all critical issues; including, security and environmental risks, costs, opportunities and conditions to mitigate or remove the disaster and environmental risks associated with the current location of the petroleum terminal facility and all associated fuel storage suppliers in Boise, Idaho.

Amount of Funding Requested in FY 2010: \$350,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Julia Davis Park: The Second Century

Name of Organization: City of Boise

Description and Justification of the Project: To prepare public works construction drawings by licensed design professionals, construction, and project management that will be used to construct a Grand Plaza, Agriculture Pavilion, History Walk, and River Habitat Node in Julia Davis Park.

Amount of Funding Requested in FY 2010: \$700,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: I-84 Exit 29 Local System Improvements, Caldwell, ID

Name of Organization: City of Caldwell

Description and Justification of the Project: This project is to accomplish local road system improvements (widening and realignment) at Interstate 84 Exit 29 in the City of Caldwell. Exit 29 serves as the link between Interstate 84, US Highway 20/26 (a major east-west thoroughfare from the City of Caldwell to North Boise) and a high volume of commuter and local City of Caldwell traffic. This project will alleviate a local system “bottleneck” of commuters getting onto or off of the Interstate at the improved interchange.

Amount of Funding Requested in FY 2010: \$1,840,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Pocatello Regional Airport Terminal Expansion, Pocatello, ID

Name of Organization: City of Pocatello

Description and Justification of the Project: To update the airport terminal. Band-aid fixes to comply with each post-9/11 security requirement have led to a piecemeal, inefficient passenger facility. The project will replace an existing “T” covered walkway with a new building that provides a centralized secure holding area with restrooms and other amenities integrates baggage screening into the check-in process and upgrades the terminal appearance.

Amount of Funding Requested in FY 2010: \$2,500,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Pocatello Animal Shelter, Pocatello, ID

Name of Organization: City of Pocatello

Description and Justification of the Project: To create a new, energy efficient facility that can meet the needs of the community. The current 35-year old facility cannot be further renovated or expanded to meet the increased needs of the community, including a very critical education program and spay/neuter clinic.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Rexburg Community Greenways Project, Rexburg, ID

Name of Organization: City of Rexburg

Description and Justification of the Project: To construct parking lots, streets, a public amphitheater, and to provide an otherwise blighted area within the core of the city that could become the gathering point for people to learn about the grandeur of nature and the many resources that are available. The Brownfields Development portion of the project will provide public access via trails and streets to facilities for public meetings, health improvement, and physical in-door and outdoor recreation that will turn what used to be a blighted and under-utilized Brownfields area into a very beneficial public use and provide economic stimulus to the whole city.

Amount of Funding Requested in FY 2010: \$990,398

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: City of Twin Falls Main Ave Enhancement Project, ID

Name of Organization: City of Twin Falls

Description and Justification of the Project: To plan and reconstruct the streets, streetscape, and landscaping for a 3-block area along Main Avenue. To provide urban renewal property for new private development, by improving infrastructure such as water/sewer, streets, lighting, landscape, streetscape, and new investment in new facades and underutilized 2nd and 3rd floors of historic buildings downtown.

Amount of Funding Requested in FY 2010: \$560,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Clearwater Valley Hospital: Road to Health, ID

Name of Organization: Clearwater County Commissioners

Description and Justification of the Project: To build a new access road to ensure efficient access to a frontier hospital adjacent to and serving public lands. This road is essential to improving health care services in the county. The road is the first phase required to construct an expanded primary care clinic and add services at the hospital. The project is an innovative partnership between county, city, state, and private entities.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: 21st Street Interchange Transportation (FHA), Caldwell, ID

Name of Organization: The College of Idaho

Description and Justification of the Project: Completion of the road from Interstate 80 to the College of Idaho campus, a major traffic corridor. Funds will be used for planning and design, construction and general overhead expenses.

Amount of Funding Requested in FY 2010: \$2,320,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Student Safety Initiative College of Southern Idaho, ID

Name of Organization: College of Southern Idaho

Description and Justification of the Project: To create an alternate route to North College Road using Cheney Road. This will ease traffic congestion from Twin Falls while allowing the College of Southern to access property on both sides of North College Road.

Amount of Funding Requested in FY 2010: \$500,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Eastern Idaho Community Action Partnership Building, ID

Name of Organization: Eastern Idaho Community Action Partnership

Description and Justification of the Project: To remodel a building to consolidate all EICAP services into one location. Currently EICAP pays the lease and utilities on three separate facilities in Idaho Falls plus the mortgage on the main office building. The newly remodeled building would bring a Head Start Center, the Weatherization Program and the Community Food Bank storage and acceptance facilities into a building with the rest of EICAP services and the savings would be reinvested in client services.

Amount of Funding Requested in FY 2010: \$250,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Deyo Reservoir and Wetlands Project, Moscow, ID

Name of Organization: Clearwater Resource Conservation & Development Council

Description and Justification of the Project: To construct an earthen embankment that will impound Schmidt Creek to create a 60 acre reservoir for water based recreation. This 60 acre lake for fishing, boating, and other water recreation also supports 20 acres of wetlands and 10 acres of grasslands and timberland for bird and wildlife viewing, camping and outdoor educational opportunities. Deyo Reservoir will also fulfill the need to provide an adequate water source for fire suppression within a 100 square mile area.

Amount of Funding Requested in FY 2010: \$800,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Idaho Transit Coalition Advanced Public Transportation System Development; Bus and Bus Facilities, ID

Name of Organization: Idaho Transit Coalition

Description and Justification of the Project: Funds received by the Idaho Transit Coalition will be used for vehicle procurement, facilities, Park-and-ride stations, preventive maintenance and transit enhancements for residents in Idaho. The project will increase vehicle ridership, on-time performance, miles between road calls, and fleet safety records. The facility will store buses and allow in-house transit bus maintenance in a more efficient and safer environment.

Amount of Funding Requested in FY 2010: \$6,815,427

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US-2 Dover Bridge, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: This portion of US-2 connects commercial, logging, commuter, and recreational traffic along the Pend Oreille River from Newport, WA through Priest River to US-95 at Sandpoint, ID. The Dover Bridge is located 3 miles southwest of Sandpoint in the city of Dover. The existing 1936 steel truss bridge restricts commercial traffic because of substandard width, height, and load-carrying capacity. The bridge is being located at a new site so substantial approach work is also involved.

Amount of Funding Requested in FY 2010: \$40,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US-95 Thorncreek to Moscow, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: This project consists of realigning and replacing the existing two-lane facility with a four-lane divided highway. It is the final stage of an on-going effort to widen US-95 between Lewiston and Moscow. This specific stage addresses Division of Highways strategic performance goals for rural congestion, high accident locations, substandard curves, and US-95 access control.

Amount of Funding Requested in FY 2010: \$40,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US-30 McCammon to Topaz, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: This project will reconstruct 3.5 miles of US-30 from two to four lanes between the City of McCammon and Crystal Springs Rd. The project will be completed in multiple stages beginning at Crystal Rd. and progressing westward to McCammon. The widening will address a strategic Division of Highways performance standard for rural congestion. This project is required to alleviate congestion and safety issues within this major trucking corridor between Southeastern Idaho and Wyoming caused by a lack of passing opportunities.

Amount of Funding Requested in FY 2010: \$20,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: FH-24 Banks to Lowman, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: To provide critical safety improvements by replacing a 150' bridge over the Middle Fork Payette River, for rock fall mitigation, rock scaling, rock bolting, guardrail upgrades, widening, signing, pavement overlay, erecting retaining walls, and renovation of the right-of-way along the 25-mile stretch of forest highway between the cities of Banks and Lowman.

Amount of Funding Requested in FY 2010: \$5,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: SH-16 Extension, I-84 to SH-44, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: To extend the Emmett Highway (SH-16) southward across the Boise River to connect with I-84. This extension is designed as an expressway with interchanges connecting major routes along the way between the

City of Emmett in Gem County and the Treasure Valley. This main commuter route with Gem County will relieve congestion with increases to safety along Eagle Road, SH-55, SH-44, US-20/26, Linder Road, Meridian Road, and Ten Mile Road.

Amount of Funding Requested in FY 2010: \$40,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US-95, Wyoming Ave. to Sagle, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: To construct 18.5 miles of four-lane divided highway on US-95 between the Bonner Co. line north to the City of Sagle to address traffic and safety concerns. Preliminary engineering and design was completed in FY08. Right-of-way for this corridor will be acquired in FY10. The construction will be staged in FY11 through FY15 for the Granite, Cocolalla, Westmond, and Sagle stages.

Amount of Funding Requested in FY 2010: \$20,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US-93, Twin Falls Alternate Route, Twin Falls, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: To create a route to bypass Twin Falls as promoted by the Greater Twin Falls Area Transportation Committee. To purchase right-of-way with access control, design and construction of four travel lanes, a center turn lane, a signalized urban intersection, and two bridges. Rapid development and the mix of traffic uses has severely congested this corridor. A route to bypass Twin Falls has been a regional goal since the 1960s as promoted by the Greater Twin Falls Area Transportation Committee.

Amount of Funding Requested in FY 2010: \$51,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: SH-75, Timmerman to Ketchum, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: SH-75 from Timmerman to Ketchum (MP 102 to 128) is the only north-south corridor in this area and serves as a main route for commercial, recreational, and commuter traffic. The planned work is part of a major effort to convert this two-lane highway to a four-lane highway. Such work is necessary to maintain economic vitality in the region and to provide for adequate safety for the traveling public.

Amount of Funding Requested in FY 2010: \$30,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US-20, Thornton Interchange, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: To replace the at-grade intersection on US-20 at the City of Thornton with a highway interchange. The construction of this interchange is one part of a major effort to replace all at-grade intersections on US-20 between Idaho Falls and Chester with interchanges.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: I-84, Broadway Ave. to Gowen Rd. Widening, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: This project will add a third east and westbound lane to I-84 between Broadway Avenue and Gowen Road on I-84. The FY10 funds would design this project. The project will be ready for construction in FY11 in conjunction with the GARVEE projects in this area. This project is included in the I-84 Boise Corridor Study adopted by the Idaho Transportation and Community Planning

Association of Southwest Idaho (COMPASS) Boards in October of 2001 and part of the COMPASS Regional 2030 Long Range Transportation Plan, approved in 2006.

Amount of Funding Requested in FY 2010: \$10,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Boise Congestion Mitigation, Boise, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: To improve the analysis of Boise congestion and provide better traffic flow operations. Will provide fiber optic cable to interconnect the existing and future traffic signals on two major corridors, US-44 and US-20/26 (State Street and Chinden Blvd.), along with CCTV cameras, dynamic message signs, and vehicle speed detectors would improve traffic flow along 14 miles of heavy commuter corridors; cost \$ 3.5 million. Will also provide dynamic message signs along the I-84 corridor and other strategic locations would disseminate traveler information and promote the use of alternate routes and travel modes; cost \$ 3.0 million.

Amount of Funding Requested in FY 2010: \$7,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: City of Rocks Back Country Byway, Cassia County, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: The project is a 16.7 mile long section of a byway that provides access to the City of Rocks National Reserve's entrance. The requested appropriation request is Stage 4 of a multistage project. When fully completed the project will correct deteriorated road and slope conditions, provide a wider road, and improve alignment. Once completed this project will result in lower annual maintenance costs, decreased accident/safety-related costs, and an increase in the remaining useful life of the pavement system. The project will result in an estimated 185 jobs of direct employment.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: I-84, Caldwell to Nampa Widening, ID

Name of Organization: Idaho Transportation Department

Description and Justification of the Project: The project will add a third lane each direction and replace three I-84 underpasses and two I-84 overpasses between Caldwell and Nampa west of Boise. This expansion is required to alleviate congestion and safety issues caused by the continued fast growth in the Treasure Valley. This project is included in the I-84 Boise Corridor Study adopted by the Idaho Transportation and Community Planning Association of Southwest Idaho (COMPASS) Boards in October of 2001 and part of the COMPASS Regional 2030 Long Range Transportation Plan, approved in 2006.

Amount of Funding Requested in FY 2010: \$16,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: US95 Intersection Improvements, ID

Name of Organization: Kootenai Metropolitan Planning Organization

Description and Justification of the Project: Funds are sought to make intersection improvements on US95 from I90 north through Coeur d'Alene and Hayden. Improvements will facilitate the flow of traffic on US95 as well as the efficient circulation of traffic on the local street system. Many intersection projects will also improve safety.

Amount of Funding Requested in FY 2010: \$7,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Coeur d'Alene Transit Center, Coeur d'Alene, ID

Name of Organization: Kootenai Metropolitan Planning Organization

Description and Justification of the Project: To construct a centrally located transit center within the Coeur d'Alene metropolitan area. The project would provide a park

and ride facility, restrooms, shelters and other passenger amenities, along with limited office space. The center will be used by Citylink Public Transportation, Kootenai Area Transportation System, medicare transportation providers, Greyhound and other inter- and intra-regional transit operators.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Restoration of interior and exterior of the historic Panida Theater Building of the Panida Little Theater, Sandpoint, ID

Name of Organization: Panida Theater

Description and Justification of the Project: Funds will be used to repair and paint ceilings, walls, floor, replace seats, curtains and to rebuild the stage. The project will also upgrade bathrooms, offices, work rooms and equipment with new insulation, paint, and repair marquee and window replacement. The Little Theater will also undergo restoration and expansion.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Container Dock Expansion, Port of Lewiston, ID

Name of Organization: Port of Lewiston

Description and Justification of the Project: Expand the container dock by 150 linear feet and add protective fenders to existing container dock. The Port of Lewiston exports agricultural and timber products from Idaho, Montana, Washington, Oregon, the Dakota's and Wyoming. Expansion will allow two barges to be moored and serviced by dock workers and provide additional barge capacity to accommodate increasing container volumes and ease congestion at the Port.

Amount of Funding Requested in FY 2010: \$510,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Railroad Signaling Backup Power, ID

Name of Organization: ReliOn, Inc.

Description and Justification of the Project: The project will provide a regional upgrade to BNSF's signaling equipment power systems to the latest technology to demonstrate improvements in functionality and reliability ensuring both personnel and property safety. The new product will be developed with optional voltage capabilities allowing it to be deployed in other applications like wireless telecommunications and security/surveillance in both the private and government sectors.

Amount of Funding Requested in FY 2010: \$1,100,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Combustion of Alternative Biofuels, Moscow, ID

Name of Organization: University of Idaho

Description and Justification of the Project: To reduce dependence on fossil fuels and decrease production of greenhouse gases by developing methods to make combustion clean and efficient for use of diverse alternative bio- and waste-derived fuels in vehicle engines. To conduct chemical analysis, fuel efficiency measurements, and pollution emission appraisals for each candidate fuel in both diesel and gasoline engines.

Amount of Funding Requested in FY 2010: \$782,250

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Treasure Valley Transit Facilities, Boise, ID

Name of Organization: Valley Regional Transit

Description and Justification of the Project: To fund site location and required environmental analysis for up to one administration facility and/or up to four bus transfer centers to improve transit services in western Ada and Canyon Counties. The

development of transit facilities is a recommendation in the regional transit plan which characterizes these transit centers as crucial to the success of the transit system. These facilities will support regional public transportation services in the area.

Amount of Funding Requested in FY 2010: \$400,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Treasure Valley High Capacity Alternatives Analysis, ID

Name of Organization: Valley Regional Transit

Description and Justification of the Project: To fund alternative analysis and pre-acquisition study and negotiations related to transit and transportation investments and options in the Interstate 84 corridor. Analysis will include passenger rail (light and commuter), bus rapid transit, high occupancy vehicle lanes and transportation system management strategies. Required expertise includes, but is not limited to engineering; environmental; legal; planning; real estate (assessment, evaluation, negotiation, and valuation); and surveying.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Fuelcell Commuter Locomotive Demonstration, ID

Name of Organization: Vehicle Projects Inc

Description and Justification of the Project: To develop a 2.0 megawatt (continuous power) hydrogen fuelcell commuter locomotive to be built at Motive Power, Boise, Idaho. By advancing the commercialization of fuelcell vehicles, major benefits of the project include increased energy efficiency of the transportation sector, increased national energy security by reducing dependency on imported oil, improved environmental quality, and positioning the project partners into leadership roles in advanced rail transportation.

Amount of Funding Requested in FY 2010: \$2,000,000

**FY 2010 Subcommittee on Transportation, Housing and Urban Development
Request by Senator Mike Crapo and Senator James E. Risch**

Project/Recipient: Western Elmore County Recreation Center, ID

Name of Organization: Western Elmore County Recreation District

Description and Justification of the Project: A 29,000 sq. ft. facility developed by the WECRD and known as the Western Elmore County Recreation Center (WECRC) will serve 50,000 people within 8,000 square miles. The facility will be centrally located among eight rural communities and Mountain Home Air Force Base. Programs will be offered by experienced management while program development and program supervision will be provided through collaboration with Treasure Valley YMCA, Parents and Youth United, and Mountain Home Parks and Recreation.

Amount of Funding Requested in FY 2010: \$1,100,000