

recommend no less than the fiscal year 2007 level for the NASA Independent Verification and Validation Program.

Of the reductions made to corporate general and administrative, \$300,000 shall be derived from equal reductions to both the Office of Legislative and Intergovernmental Affairs, and the Office of the Chief Financial Officer.

The amended bill does not provide any new funding in fiscal year 2008 for the Centennial Challenges program. The funding proposed in previous fiscal years for this program is sufficient for NASA to run this prize-based competition. Providing additional funds to a program based on prizes only creates a sizeable amount of unused funds while other aspects of NASA's mission are being cut or delayed due to a lack of funds.

The following is a list of congressional directives. Funds for these directives shall come from Cross-Agency Support Programs, rather than from the various mission directorates.

- Adler Planetarium, Chicago, IL, for science and education programming for teachers and students 260,000
- Adler Planetarium's Space Exploration Center 940,000
- Alabama A&M University, Normal, AL, to provide a comprehensive, diverse, and flexible pool of talent at lower labor rates in the civil service environment to facilitate research and development, studies and analyses of all areas of higher temperature advanced materials research and development 564,000
- Alliance for NanoHealth, Houston, TX, to facilitate the translation of nanotechnology from the laboratory to clinical practice 846,000
- Arkansas Center for Space and Planetary Sciences in Fayetteville, AR, for research and technology 267,900
- Baylor Physical Sciences Laboratory enhancement at Baylor University 658,000
- Bio-Info-Nano Research and Development Institute at University of California, Santa Cruz 282,000
- Burlington County College Science Learning Center 1,504,000
- Center for Sustainable Life Support for Human Space Exploration 376,000

• Chesapeake Information Based Aeronautics Consortium, Maryland, for a partnership of Morgan State University, University of Maryland Eastern Shore and Bowie State University, MD, for continued aviation safety research and development	3,572,000
• Colorado State University, Fort Collins, CO, for equipment	267,900
• Connecticut State University, City of New Britain, CT, for an initiative to bring greater awareness of mechanical engineering and aerospace disciplines to disadvantaged high school students	133,950
• Development of photovoltaic capacity at Plum Brook Station	1,175,000
• Distance learning program at Fairmont State University	846,000
• Educational Advancement Alliance Math, Science, and Technology Program	1,880,000
• Expansion of the Cimmarusti/NASA Science Center Teacher Training and Science Education Outreach Program	235,000
• Flight Research Training Center, Roswell, NM, for program to detect, mitigate and recover from loss of control accidents in aircraft	1,786,000
• Grand Valley State University, Allendale, MI, for the West Michigan Science and Technology Institute's Biosciences Research and Commercialization Project	133,950
• Gulf Coast Exploreum, Mobile, AL, to stimulate increased enrollment in engineering, mathematics, and science in Alabama's universities by instructing and inspiring K-12 students in the fundamentals and application of these fields	235,000
• Human-Robot Teams at Texas A&M University	705,000
• Idaho State University, Pocatello, ID, use earth observations to investigate the effect of land management decisions	141,000
• Imiloa Astronomy Center, Hilo, HI, for operations	1,339,500
• Independent Verification and Validation research program	540,500
• Institute for NanoBio Technology, Johns Hopkins University, Baltimore, MD, for breakthrough research in nano-bio technologies	1,786,000

- Jacksonville State University, Jacksonville, AL, for a tool for educators to allow their students to reach their full potential through participation in exciting hands on projects. The projects are dynamic in scope and are structured to be less time restrictive on the classroom schedule and the educator though self-directed curriculum 235,000
- K-12 Science Education Enhancements at Middle Tennessee State University 94,000
- Large Millimeter Telescope at the University of Massachusetts, Amherst 705,000
- Loma Linda University Space Radiation Health Research Program 2,444,000
- Manned Space Flight Education Foundation, Houston, TX, to bring extensive learning opportunities to teachers, students and youth organizations throughout our Nation utilizing educational technology with Web casting, two-way videoconferencing and the Internet. The program seeks to inspire the next generation of explorers that would otherwise never have the opportunity to experience space exploration 282,000
- Marshall Space Flight Center, Huntsville, AL, to develop a cost effective nuclear power system to support the long-range objectives of NASA for missions to the moon, to Mars and to deep space 1,645,000
- Marshall Space Flight Center, Huntsville, AL, to help NASA/MSFC accomplish its current and future missions by providing critical information on composite materials as they relate to the NASA space exploration programs 1,410,000
- Marshall Space Flight Center, Huntsville, AL, to produce a common intelligent sensor module through the near-term development of the sensor technologies and integration algorithms necessary for on-orbit assembly and other AR&D missions 1,175,000
- Marshall Space Flight Center, Huntsville, AL, to provide a secure, retrievable storage solution for Marshall's Data Center that will meet all Presidential Directives 940,000

• Marshall Space Flight Center, Huntsville, AL, to provide critical, breakthrough technology to NASA for materials development, testing, and safety improvements to the Space Shuttle and Ares launch systems	1,175,000
• Marshall Space Flight Center, Huntsville, AL, to support the ongoing technology maturation program for liquid oxygen/liquid methane propulsion technology	470,000
• Marshall University, Huntington, WV, to support NASA-related composites training at the Composites Technology and Training Institute in Bridgeport, WV	2,232,500
• Maryland Department of Business and Economic Development, Baltimore, MD, for continued construction of a broadband link between the Wallops Island Flight Facility and the Patuxent River Naval Air Station	3,572,000
• McWane Science Center, Birmingham, AL, for a program will focus on increasing interest and aptitude in the science fields in K-12 students through hands-on activities that will serve as an extension of the classrooms. Teacher training will also play a major role	235,000
• Micronauts Education Simulator at Wheeling Jesuit University	282,000
• Mid-Atlantic Cooperative, Danville, VA, for installation of broadband on the Eastern Shore of Virginia	1,786,000
• Mid-Atlantic Institute for Space Technology, Pocomoke City, MD, for UAV testing and certification	223,250
• Mid-Atlantic Regional Spaceport, Wallops Island, VA, for infrastructure improvements to launch facilities	223,250
• Morehouse College Project Mars Program	188,000
• Nano/Micro Devices Laboratory at the University of Alabama-Huntsville	611,000
• NASA Exchange City Learning Lab	188,000
• NASA Johnson Space Center, Houston, TX, for computer operations and improvements	564,000

• National Center for Remote Sensing, Air, and Space Law, University, MS, to provide legal research and outreach on critical space and aviation law issues	2,820,000
• National Youth Science Foundation	258,500
• New Mexico State University, Las Cruces, NM, for the Southern New Mexico Science, Engineering, Mathematics, and Aerospace Academy for a space education program to meet the math and science learning needs of under-represented K-12 students	178,600
• Pittsburgh Engineering Initiatives, Pittsburgh, PA, to further development of regenerative treatments for astronauts	267,900
• Research on Aviation Training at Middle Tennessee State University	470,000
• Robotic Exploration Technologies in Astrobiology, Global Undersea Research Unit, University of Alaska, Fairbanks	282,000
• Robotics and Exploration Testbed at Marshall Space Center	4,089,000
• Rochester Institute of Technology, Rochester, NY, for a Integrated Sensing Systems Testbed (ISST) to develop, demonstrate, and validate advanced techniques for situational awareness	178,600
• Science, Engineering, Mathematics and Aerospace Academy at York College	188,000
• Science, Technology, Engineering, and Mathematics Center at Tennessee Tech University	752,000
• Southeast Missouri State University, Cape Girardeau, MO, Enhancement of K-12 teaching and learning of sciences, math, and technology among schools, teachers, and students	846,000
• Southern Research Institute, Birmingham, AL, for the development of laboratory-based test methods and test standards for coupon and component level characterization; development of subcomponent testing capabilities for material, component and system characterization; development and qualification of modeling and simulation techniques for these applications; and development of an integrated modeling and testing approach for evaluation and optimization of new material concepts	940,000
• Space Engineering Institute at Texas A&M University	352,500

- St. Louis University, St. Louis, MO, for immunology research that will complement NASA research on the immune system in microgravity 846,000
- Stennis Space Center, MS, to continue a longstanding technology/industry partnership in assisting in transitioning space technologies into the commercial sector 3,760,000
- Stennis Space Center, MS, to support infrastructure improvements for Crew Exploration Vehicle testing 2,820,000
- Teach for America, New York, NY to engage teachers in science, technology, engineering and mathematics 2,350,000
- Thurgood Marshall College Fund Minority NASA Science Initiative 940,000
- Tulane University, New Orleans, LA, for ongoing applied polymer technology research and development that links NASA with Louisiana's polymer industry and the State's academic polymer research programs 446,500
- U.S. Space and Rocket Center, Huntsville, AL, for completion of a long overdue update for the museum and exhibits will provide a more stimulating and effective presentation of the history of our nation's space exploration efforts and will serve to stimulate increased interest in science and technology 470,000
- University of Alabama in Huntsville, Huntsville, AL, to provide research that will provide both fundamental insight into the combustion behavior of this fuel with liquid oxygen which will assist in realizing its full performance potential and will train the next generation of propulsion scientists and engineers who will work for or support NASA in implementing the chosen engine designs 1,410,000
- University of Alabama, Tuscaloosa, AL, to conduct the fundamental and applied research needed to develop effective near-space technologies for station-keeping 470,000
- University of California Santa Cruz, Santa Cruz, CA, to continue the establishment of the Center at NASA Ames Research Center in collaboration with UC Santa Cruz 446,500
- University of Louisville, Louisville, KY, for technology that assists trauma victims without immediate access to emergency medical care, including astronauts 1,222,000

- University of Maryland, Baltimore County, MD, for environmental remote sensing 1,786,000
- University of Maryland, College Park, MD, for the Maryland Institute for Dextrous Robotics for the creation of a new generation robotic technology for space exploration 2,679,000
- University of Nebraska, Lincoln, Lincoln, NE, to help establish a degree program in space and telecommunications law 1,786,000
- University of Northern Iowa, Cedar Falls, IA, to improve the use of geospatial data by State and local governments 613,000
- University of Redlands Education Technology Program 470,000
- University of Vermont, Burlington, VT, for the UVM Center for Advanced Computing 1,700,000
- Upper Midwest Aerospace Consortium at the University of North Dakota, Grand Forks, ND, to help make data received from NASA satellite images accessible to the public for management decisions 2,679,000
- Utah State University Research Foundation, Logan, UT, To develop a modern infrared calibration capability for current and future remote sensing instruments 376,000
- Wheeling Jesuit University, Wheeling, WV, to expand the reach of the HealtheWV program, an electronic medical records system 2,679,000
- Wichita State University, Wichita, KS, to improve facilities and equipment at the National Center for Advanced Materials Performance (NCAMP), which provides shared-database methodology addressing material, structural, manufacturing, and repair qualification processes for use of affordable polymeric composite materials in commercial and military applications 329,000
- Women in Science and Engineering Scholars Program at Spelman College 188,000

Education. --The amended bill provides \$180,000,000 for education instead of \$220,300,000 as proposed by the House in its account structure and \$149,500,000 as proposed by the Senate.

The amended bill includes an additional \$3,243,000 for a total of \$15,500,000 for the Experimental Program to Stimulate Competitiveness in Research (EPSCoR) program. This will help the 27 EPSCoR jurisdictions contribute to innovation and competitiveness initiatives and other efforts as well as fund the administrative costs of the program.