

COMPARISON OF RESEARCH PROVISIONS OF FINAL, HOUSE AND SENATE STIMULUS AND RECOVERY BILLS H.R. 1 AND S.1.

Program or Provision	Conference 2/13/09	Conference Text 2/13/09
National Institutes of Health	<p>\$8.2 billion for NIH Office of Director, \$7.4 transferred to Institutes and Centers in proportion to appropriations, including expanding jobs in biomedical research to study diseases such as Alzheimer's, Parkinson's, cancer and heart disease</p>	<p>The conference agreement provides \$10,000,000,000 for the National Institutes of Health (NIH) as proposed by the Senate instead of \$3,500,000,000 as proposed by the House. OFFICE OF THE DIRECTOR FUNDING TRANSFER OF FUNDS) For an additional amount for "Office of the Director", \$8,200,000,000: Provided, That \$7,400,000,000 shall be transferred to the Institutes and Centers of the National Institutes of Health and to the Common Fund established under section 402A(c)(1) of the Public Health Service Act in proportion to the appropriations otherwise made to such Institutes Centers, and Common Fund for fiscal year 2009: Provided further, that these funds shall be used to support additional scientific research and shall be merged with and be available for the same purposes as the appropriation or fund to which transferred:</p>
National Institutes of Health		<p>The conference agreement provides \$8,200,000,000 for the Office of the Director instead of \$1,500,000,000 as proposed by the House and \$9,200,000,000 as proposed by the Senate. Of this amount, \$7,400,000,000 is designated for transfer to Institutes and Centers and to the Common Fund instead of \$7,850,000,000 as proposed by the Senate. The conference agreement adopts the Senate guidance that, to the extent possible, the \$800,000,000 retained in the Office of the Director shall be used for purposes that can be completed within two years; priority shall be placed on short-term grants that focus on specific scientific challenges, new research that expands the scope of ongoing projects, and research on public and international health priorities. Bill language is included to permit the Director of NIH to use \$400,000,000 of the funds provided in this account for the flexible research authority authorized in section 215 of Division G of P .L. 110-161. The funds available to NIH can be used to enhance central research support activities, such as equipment for the clinical center or intramural activities, centralized information support systems, and other related activities language indicating that the funds provided in this Act to NIH are not subject to Small Business Innovation Research and requirements</p>
National Institutes of Health	<p>\$1.3 billion for NIH NCRR, of which \$1 billion to renovate non-federal research facilities, \$300 million for shared instrumentation and other capital research equipment</p>	<p>NATIONAL INSTITUTES OF HEALTH 23 NATIONAL CENTER FOR RESEARCH RESOURCES 24 For an additional amount for "National Center for Research Resources", \$1,300,000,000, of which \$1,000,000,000 shall be for grants or contracts under section 481A of the Public Health Service Act to construct renovate or repair existing non-Federal research facilities: provided, that sections 481A(c)(1)(B)(ii), (p1), (3), and (4) of section 481A(e), and section 481B of such Act shall not apply to the use of such funds: Provided further, That the National Center for Research Resources may also \$300,000,000 to provide, under the authority of section 301 and title IV of such Act, shared instrumentation and other capital research equipment to recipients of grants and contracts under section 481A of such Act and other appropriate entities: Provided further, That the Director of the Center shall provide to the Committees on Appropriations of the House of Representatives and the Senate an annual report indicating the number of institutions receiving awards of a grant or contract under section 481A1 of such Act, the proposed use of the funding, the average award size, a list of gr</p>
		<p>The conference agreement includes \$1,300,000,000 for the National Center for Research Resources (NCRR) instead of \$1,500,000,000 as proposed by the House and \$300,000,000 as proposed by the Senate. Bill language identifies \$1,000,000,000 of this total for competitive awards for the construction and renovation of extramural research facilities. The conference agreement also provides \$300,000,000 for the acquisition of shared instrumentation and other capital research equipment. The conference agreement includes bill language proposed by the House for extramural facilities relating to waiver of non-Federal match requirements, primate centers, and limitation on the term of Federal interest. The conference agreement includes language proposed by the House mandating several reporting requirements on the use of the funds. The conferees expect that NCRR will give priority to those applications that are expected to generate monstrable energy-saving or beneficial environmental effects.</p>
Health Resources and Services Administration	<p>\$500,000,000</p>	<p>DEPARTMENT OF HEALTH AND HUMAN SERVICES 6 HEALTH RESOURCES AND SERVICES ADMINISTRATION HEALTH RESOURCES AND SERVICES 8 For an additional amount for "Health Resources and Services", \$2,500,000,000 which shall be used as follows: (1) \$500,000,000 shall be for grants to health centers, Health Service Act ("PHS Act"); (2) \$1,500,000,000 shall be available for grants for construction, renovation and equipment, and for the acquisition of health information technology systems, for health centers including health center networks receiving operating grants; (3) \$500,000,000 to address health professions workforce shortages, of which \$75,000,000 for the National Health Service Corps shall remain available through September 30, 2011: Provided, That funds may be used to provide scholarships, loan repayment, and grants to training programs for equip- HEALTH RESOURCES AND SERVICES The conference agreement includes \$2,500,000,000 for health resources and services instead of \$2,188,000,000 as proposed by the House and \$1,958,000,000 as proposed by the Senate. The conference agreement includes \$500,000,000 for services provided at c</p>

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<p><b>Agency for Healthcare Research and Quality</b></p>	<p>700,000,000 (\$400 transfer to NIH)</p>	<p>AGENCY FOR HEALTHCARE RESEARCH AND QUALITY            10 HEALTH CARE RESEARCH AND QUALITY (INCLUDING TRANSFER OF FUNDS) For an additional amount for "Healthcare Research and Quality" to carry out titles III and IX of the Public Health Service Act, part A of title XI of the Social Security Act, and Drug, Improvement, and Modernization Act of 2008, \$700,000,000 for comparative effectiveness research: Provided, that of the amount appropriated in this paragraph \$400,000,000 shall be transferred to the Office of the Director of the National Institutes of Health ("Office of the Director") to conduct or support comparative effectiveness research under section 301 and title IV of the Public Health Service Act: Provided further, That funds transferred to the Office of the Director may be transferred to the Institutes and Centers of the National Institutes SEN. APPROP. of Health and to the Common Fund established under section 402A(c)(1) of the Public Health Service Act: Provided further, That this transfer authority is in addition to any other transfer authority available to the National Institute of Health: Provided further, That within the amount available in this paragraph for the Agency for Healthcare Research and Quality, \$400,000,000 shall be available for The conference agreement includes \$1,100,000,000 for comparative effectiveness research included in the conference agreement to be used to mandate coverage, reimbursement, or other policies for any and compare the clinical outcomes, effectiveness, risk, and benefits of two or more medical treatments and services that treatment is not the most medically appropriate solution to treating various conditions and include language to ensure the agreement.</p>

NATIONAL SCIENCE FOUNDATION

COMPARISON OF RESEARCH PROVISIONS OF FINAL, HOUSE AND SENATE STIMULUS AND RECOVERY BILLS H.R. 1 AND S.1.

Program or Provision	Conference	Conference Text 2/13/09
<p><b>National Science Foundation (Science)</b></p>	<p>\$2.5 Billion for basic research in fundamental science and engineering</p>	<p>NATIONAL SCIENCE FOUNDATION            6 RESEARCH AND RELATED ACTIVITIES For an additional amount for "Research and Related Activities", \$2,500,000,000: Provided, That \$300,000,000 shall be available solely for the Major Research Instrumentation program and \$200,000,000 shall be for activities authorized by title II of Public Law 100-570 for academic research facilities modernization.            NATIONAL SCIENCE FOUNDATION            NSF is directed to submit to the House and Senate Committees on Appropriations a spending plan, signed by the Director, detailing its intended allocation offunds provided in this Act within 60 days of enactment of this Act.</p>
<p><b>National Science Foundation (Education)</b></p>	<p>\$100,000,000</p>	<p>EDUCATION AND HUMAN RESOURCES For an additional amount for "Education and Human Resources", \$100,000,000. EDUCATION AND HUMAN RESOURCES            The conference agreement includes \$100,000,000 for education and human resources, to remain available until September 30, 2010. These funds shall be allocated as follows:            Robert Noyce Scholarship Program .....\$60,000,000.....            Math and Science Partnerships .....\$25,000,000.....            Professional Science Master's Programs .....\$15,000,000</p>
<p><b>National Science Foundation (Major Research Equipment and Facilities)</b></p>	<p>\$400,000,000</p>	<p>MAJOR RESEARCH EQUIPMENT AND FACILITIES CONSTRUCTION            For an additional amount for "Major Research Equipment and Facilities Construction", \$400,000,000. MAJOR RESEARCH EQUIPMENT AND FACILITIES CONSTRUCTION            The conference agreement includes \$400,000,000 for major research equipment and facilities construction, to remain available until September 30, 2010.</p>
<p><b>National Science Foundation (Major Research Instrumentation)</b></p>	<p>\$300,000,000</p>	<p>\$300,000,000 shall be available solely for the Major Research Instrumentation program and \$200,000,000 shall be for activities authorized by title II of Public Law 100-570 for academic research facilities modernization.</p>

DEPARTMENT OF ENERGY

COMPARISON OF RESEARCH PROVISIONS OF FINAL, HOUSE AND SENATE STIMULUS AND RECOVERY BILLS H.R. 1 AND S.1.

<u>Program or Provision</u>	<u>Conference</u>	<u>Conference Text 2/13/09</u>
<p><b>Department of Energy Office of Science</b></p>	<p>\$1.6 billion for DOE Office of Science which funds research in such areas as climate science, biofuels, high energy physics, nuclear physics and fusion energy sciences</p>	<p>SCIENCE For an additional amount for \$1,600,000,000."Science" The conferees agree to provide an additional \$1,600,000,000 for the Science program.After taking into account the additional \$400,000,000 provided for Advanced Research Projects Agency-Energy (ARPA-E) in a separate account, the funding level for Science is the same as proposed by the House, instead of \$330,000,000 as proposed by the Senate.The conference agreement does not include \$100,000,000 for advanced scientific computing as proposed in the House bill. The Senate bill carried no similar provision</p>
<p><b>Department of Energy Advanced Research Projects Agency</b></p>	<p>\$400 million for ARPA-E to support high risk, high payoff research into energy sources and energy efficiency in collaboration with industry</p>	<p>ADVANCED RESEARCH PROJECTS AGENCY-ENERGY For the Advanced Research Projects Agency-. Energy, \$400,000,000 5012 of the America Competes Act ADV ANCED RESEARCH PROJECTS AGENCY - ENERGY The conferees agree to provide \$400,000,000 for the Advanced Research Projects Agency-Energy authorized under section 5012 of the America COMPETES Act (42 U.S.C. 16538). This funding was provided by the House under "Science". The Senate bill carried no similar provision.</p>
<p><b>Department of Energy (Fossil Energy Research and Development</b></p>	<p>\$1,000,000,000</p>	<p>FOSSIL ENERGY RESEARCH AND DEVELOPMENT For an additional amount for "Fossil Energy Research and Development", \$3,400,000,000. The conferees agree to provide an additional \$3,400,000,000 for the Fossil Energy Research and Development program, instead of \$2,400,000,000 as proposed by the House and\$4,600,000,000 as proposed by the Senate.Funds under this heading include \$1,000,000,000 for fossil energy research and development programs; \$800,000,000 for additional amounts for the Clean Coal Power InitiativeRound III Funding Opportunity Announcement; \$1,520,000,000 for a competitive solicitation for a range of industrial carbon capture and energy efficiency improvement projects, including a small allocation for innovative concepts for beneficial CO2 reuse; \$50,000,000 for a competitivesolicitation for site characterization activities in geologic formations; \$20,000,000 for geologic sequestration training and research grants; and \$10,000,000 for program direction funding.The conference agreement does not include \$2,400,000,000 for Section 702 of the Energy Independence and Security Act of 2007, as proposed by the House. The Senate billcontained no similar provision.The conference</p>
<p><b>Department of Energy (Energy Efficiency and Renewable Energy</b></p>	<p>See above</p>	<p>DEPARTMENT OF ENERGY ENERGY PROGRAMS ENERGY EFFICIENCY AND RENEWABLE ENERGY For an additional amount for "Energy Efficiency and Renewable Energy", \$16,800,000,000, \$3,200,000,000 shall be available5 for Energy Efficiency and Conservation Block grants for. implementation of programs authorized under subtitle E of title V of the Energy Independence and Security. Act of 2007 (42 U.S.C. 17151 et seq.), of which \$2,800,000,000 is available through the formula in subtitle E: P1-ovided further, That the Secretary may use the most recent and accurate population data available to satisfy the requirements of section 543(b) of the Energy Independence and Security Act of 2007: Provided further, That the remaining \$400,000,000 shall be awarded on a competitive basis:</p>

DEPARTMENT OF ENERGY

<p><b>Department of Energy (Energy Efficiency and Renewable Energy)</b></p>	<p>\$2,500,000,000 for applied research, development, demonstratoin and deployment</p>	<p>DEPARTMENT OF ENERGY  ENERGY PROGRAMS  ENERGY EFFICIENCY AND RENEWABLE ENERGY  The conferees agree to provide an additional \$16,800,000,000 for the Energy Efficiency and Renewable Energy program, instead of \$18,500,000,000 as proposed by the House and\$14,398,000,000 as proposed by the Senate. The conference agreement includes \$2,500,000,000 for applied research, development, demonstration and deployment activities to include \$800,000,000 for projects related to biomass and \$400,000,000 for geothermal activities and projects. Within available funds, the conferees direct \$50,000,000 for the Department to supportresearch to increase the efficiency of information and communications technology and improve standards. Funds under this heading include \$3,200,000,000 for the Energy Efficiency and Conservation Block Grant (EECBG) program, instead of \$3,500,000,000 as proposed by the House and \$4,200,000,000 as proposed by the Senate. Of the funds provided for the EECBG program, \$400,000,000 shall be awarded on a competitive basis to grant applicants. Funds under this heading include \$5,000,000,000 for the Weatherization Assistance Program, instead of \$6,200,000,000 as proposed in the House bill. The Senate proposed \$2,900,000,000 for the Weatherization Assistance Program, instead of \$6,200,000,000 as proposed in the House bill. The Senate bill carried no similar provision. Funds under this heading include \$300,000,000 for the Alternative Fuels</p>
<p><b>Department of Energy (Energy Sustainability and Renewable Energy Program)</b></p>		<p>The conference agreement includes language proposed by both the House and Senate that accelerates the hiring of personnel for the Energy Efficiency and Renewable Energy program. The conference agreement does not include \$500,000,000 for incentives for Energy Recovery of Industrial Waste Heat, as proposed by the House. The Senate bill carried no similar provision. The conference agreement does not include \$1,000,000,000 for grants to Institutional Entities for Energy Sustainability and Efficiency as proposed in the House bill. The Senate proposed \$1,600,000,000 in report language. The conference agreement does not include \$500,000,000 for the cost of guaranteed loans to Institutional Entities for Energy Sustainability and Efficiency as proposed in the House bill. The Senate bill carried no similar provision.</p>

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<u>Program or Provision</u>	<u>Conference</u>	<u>Conference Text 2/13/09</u>
<b>NASA</b>	\$1 billion for NASA including \$400 million to put more scientists to work doing climate change research	SCIENCE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION NASA is directed to submit to the House and Senate Committees on Appropriations a spending plan, signed by the Administrator, detailing its intended allocation of funds provided in this Act within 60 days of enactment of this Act.
<b>NASA(Science)</b>	\$400,000,000	SCIENCE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION SCIENCE For an additional amount for "Science", \$400,000,000; SCIENCE The conference agreement includes \$400,000,000 for Science, to remain available until September 30, 2010. Funding is included herein to accelerate the development of the tier 1 set of Earth science climate research missions recommended by the National Academies Decadal Survey and to increase the agency's supercomputing capabilities.
<b>NASA (Aeronautics)</b>	\$150,000,000	AERONAUTICS For an additional amount for "Aeronautics" , \$150,000,000. AERONAUTICS The conference agreement includes \$150,000,000 for aeronautics, to remain available until September 30, 2010. These funds are available for system-level research, development and demonstration activities related to aviation safety, environmental impact mitigation and the Next Generation Air Transportation System (NextGen).
<b>NASA (Cross Agency Support)</b>	\$50,000,000	CROSS AGENCY SUPPORT For an additional amount for "Cross Agency Support", \$50,000,000. CROSS AGENCY SUPPORT The conference agreement includes \$50,000,000 for cross agency support, to remain available until September 30, 2010. In allocating these funds, NASA" shall give its highest priority to restore NASA-owned facilities damaged from hurricanes and other natural disasters occurring during calendar year 2008.
<b>NASA (Exploration)</b>	\$400,000,000	EXPLORATION For an additional amount for "Exploration", \$400,000,000. EXPLORATION The conference agreement includes \$400,000,000 for exploration, to remain available until September 30, 2010.

COMPARISON OF RESEARCH PROVISIONS OF FINAL, HOUSE AND SENATE STIMULUS AND

Program or Provision	Conference	Conference Text 2/13/09
<p><b>National Institute of Science and Technology</b></p>	<p>\$220,000,000</p>	<p>NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY SCIENTIFIC AND TECHNICAL RESEARCH AND SERVICES                      The conference agreement includes \$220,000,000 for research, competitive grants, additional research fellowships and advanced research and measurement equipment and supplies.</p>
<p><b>National Institute of Science and Technology (Construction of Research Facilities)</b></p>	<p>\$360,000,000</p>	<p>CONSTRUCTION OF RESEARCH FACILITIES The conference agreement includes \$360,000,000 to address NIST's backlog of maintenance and renovation and for construction of new facilities and laboratories. Of the amounts provided, \$180,000,000 shall be for the competitive construction grant program for research science buildings, including fiscal year 2008 and 2009 competitions. NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY SCIENTIFIC AND TECHNICAL RESEARCH AND SERVICES For an additional amount for "Scientific and Technical Research and Services", \$220,000,000. CONSTRUCTION OF RESEARCH FACILITIES For an additional amount for "Construction of Research Facilities", \$360,000,000, of which \$180,000,000 shall be for a competitive construction grant program for 19 research science buildings.</p>
<p><b>National Institute of Science and Technology (Industrial Technology Services)</b></p>	<p>\$580 for NIST including the Technology Innovation Program and the Manufacturing Extension Partnership</p>	

<b>National Institute of Science and Technology (Informational Technology for Healthcare)</b>	20,000,000	NIST  In addition, \$20,000,000 is provided by transfer from the Health Information Technology (HIT) initiative within this Act. For HIT activities, NIST is directed to create and test standards related to health security and interoperability in conjunction with partners at the Department of Health and Human Services.
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**COMPARISON OF RESEARCH PROVISIONS OF FINAL, HOUSE AND SENATE STIMULUS AND RECOVERY BILLS H.R. 1 AND S.1.**

<u>Program or Provision</u>	<u>Conference</u>	<u>Conference Text 2/13/09</u>
<b>National Endowment for the Arts</b>	\$50,000,000	The conference agreement includes a total of \$50,000,000 for the National Endowment for the Arts as proposed by the House. No funds were included in the Senate bill for this purpose.HUMANTIES NATIONAL ENDOWMENT FOR THE ARTS GRANTS AND ADMINISTRATION For an additional amount for "Grants and Administration" , \$50,000,000, to be distributed in direct grants to fund arts projects and activities which preserve jobs in the non-profit arts sector threatened by declines in philanthropic and other support during the current economicdownturn: Provided, That 40 percent of such funds shall be distributed to State arts agencies and regional arts organizations in a manner similar to the agency's current practice and 60 percent of such funds shall be for competitively selected arts projects. and activities according to sections
<b>National Oceanic and Atmospheric Administration</b>	\$230,000,000	22 OPERATIONS, RESEARCH, AND FACILITIES 23 For an additional amount for "Operations, Research, 24 and Facilities", \$230,000,000.