

**Programs Providing Funding Opportunities Under
the American Recovery and Reinvestment Act of 2009**

**I.) DEPARTMENT OF AGRICULTURE, RURAL DEVELOPMENT, FOOD
AND DRUG ADMINISTRATION**

1.) Rural Community Facilities Program

- This program aims to provide \$1.234 billion in loans and grants authorized by Section 381E(d)(1) of the Consolidated Farm and Rural Development Act for rural community facilities including hospitals, health clinics, health and safety vehicles and equipment, public buildings, and child and elder care facilities.
- The Rural Housing Service will provide up to \$130 million in loans and block grants to Multi-State, regional, private, non-profit 501(c)(3) tax-exempt organizations.
- These loans and block grants are broken down into \$1.171 billion for direct community facility loans and \$63 million for community facility grants.

2.) Rural Business Program

- This program provides \$3.01 billion in rural business loans and grants authorized by Section 310B(a)(2)(A) and 310B(c) of the Consolidated Farm and Rural Development Act.
- The Rural Business-Cooperative Service (RBS), an Agency within the USDA Rural Development mission area, will provide up to \$150 million in loans and grants to public bodies and private nonprofit corporations. This includes eligible nonprofit entities, or other tax-exempt organizations, with a principal office in an area that is located on land of an existing or former Native American reservation and in a city, town, or unincorporated area that has a population of not more than 5,000 inhabitants

3.) USDA Research Service, Buildings and Facilities

- This program provides funding for maintenance of the USDA's laboratory and research infrastructure.
- The Secretary of Agriculture will allocate \$176 million in funds, giving priority to critical deferred maintenance, projects that can be completed, and activities that can commence promptly following enactment of the Act.

II.) DEPARTMENT OF COMMERCE

1.) Economic Development Assistance Programs

- This programs it intended to leverage private investment, stimulate employment and increase incomes in economically distressed communities.
- The Economic Development Administration (EDA) will distribute up to \$150 million, with \$50 million for economic adjustment assistance to applicants to submit an Investment Assistance proposal, which will be accepted on a competitive and continuing basis.

- Eligible applicants are defined as a city or political subdivision of a State, State, public or private non-profit organization or association, district organization, Indian tribe or consortium of Indian tribes, private individual or for-profit organization, with priority consideration given to areas that experienced sudden and severe economic dislocation and job loss due to corporate restructuring.
- Up to \$50 million of funds may be transferred to federally authorized regional economic development commissions.
- Under the EDA, the project must be in a region that is subject to distress criteria, which are (a) An unemployment rate that is at least one percentage point greater than national average unemployment rate, (b) per capita income that is 80 percent or less of the national average per capita income; or (c) a special need, as determined by the Economic Development Administration.

2.) Periodic Censuses and Programs

- This program is intended to ensure a successful decennial for hiring additional personnel, to provide required training, increase targeted media purchases, and improve management of operational and programmatic risks.
- The Census Bureau has been allotted \$1 billion for this endeavor, \$250 million of which shall be provided for partnership and outreach efforts to minority communities and hard-to-reach populations.

III.) DEPARTMENT OF DEFENSE

1.) Energy Efficiency Technology and Research

- This program aims to provide funding for research, development, test and evaluation projects, including pilot projects, demonstration projects and energy efficient manufacturing enhancements. Funds are to be used for improvements in energy generation and efficiency, transmission, regulation, storage and for use on military installations and within operational forces, to include research and development of energy from fuel cells, wind, solar, and other renewable energy sources to include biofuels and bioenergy.
- Offices of the Assistant Secretaries for Research, Development and Acquisition have been allotted \$300 million (Army: \$75,000,000; Navy: \$75,000,000; Air Force: \$75,000,000; Defense Wide: \$75,000,000) in discretionary funding for this endeavor.

2.) Independent Living Programs – Independent Living Centers

- This program is to support the planning, conduct, administration, and evaluation of centers for independent living.
- The Office of Special Education and Rehabilitative Services in the Rehabilitation Services Administration will award up to \$87.5 million in discretionary funding and competitive grants to nonprofit organizations.

IV.) DEPARTMENT OF ENERGY

1.) Energy Efficiency and Conservation Block Grants

- This program is designed to assist States, local governments, and tribes reduce fossil fuel emissions and total energy use, and improve energy efficiency in the

- transportation, building, and other appropriate sectors, funding financial incentives, grants for retrofits, transportation conservation, building codes, energy distribution technologies, landfill gas capture, etc.
- The Office of Energy Efficiency and Renewable Energy will distribute \$3.2 billion (\$2.8 billion through formula - \$400 million on a competitive basis) to states (to receive 28 percent of formula funding), eligible units of local governments (68 percent of formula), and tribes (2 percent of formula).
 - Location government allocation is to be based equally on (a) resident population; and (b) daytime populations and factors, such as amount of commercial or office space.

2.) State Energy Program

- This program aims to promote energy conservation and reduce rate of energy demand.
- Each individual State's Energy Office will allocate funds from a budget of \$3.1 billion based on a formula determined by the States under existing guidelines.

3.) Advanced Battery Manufacturing Grants

- This programs aims to support manufacturing advanced vehicle batteries & components.
- The Office of Energy Efficiency and Renewable Energy has been allotted \$2 billion to be distributed in competitive grants to manufacturers and others determined eligible by DOE.
- DOE must provide facility funding awards to manufacturers of advanced battery systems and vehicle batteries produced in the United States, including advanced lithium ion batteries, hybrid electrical systems, component manufacturers, and software designers

4.) The Office of Energy Efficient and Renewable Energy (EERE) OFFICE OF Miscellaneous Provisions

- While the EERE has been allotted \$16.8 billion for various projects, the Secretary may use a portion EERE funds to accelerate hiring of expert staff.
- Additionally, \$2.5 billion will be used for applied research, development, demonstration and deployment activities, including \$800 million for projects related to biomass; \$400 million for geothermal projects and activities; and \$50 million to support research to increase the efficiency of information and communications technology and improve standards.
- Other allocation include \$400 million for transportation electrification, \$300 million for an Alternative Fueled Vehicles Pilot Grant Program, and \$300 million for the Energy Efficient Appliance Rebate Program and Energy Star Program.

5.) Electricity Delivery and Energy Reliability (EDER)

- In an effort to modernize the nation's electric grid, the Office of Electricity Delivery and Energy Reliability has been allotted \$4.5 billion, of which funds \$100 million are for worker training and \$10 million to implement a smart grid interoperability framework.
- Funds will be used to purchase demand response equipment; to enhance energy infrastructure security and reliability; for energy storage research, development,

demonstration and deployment, and facilitate recovery from energy supply disruptions.

- Funds will also be used for implementation of programs authorized under Title XIII – Smart Grid – of the Energy Independence and Security Act of 2007, which includes:
 - a) Smart Grid Technology Research, Development, and Demonstration (Section 1304) that includes a “Power Grid Digital Information” program and a “Smart Grid Regional Demonstration Initiative”
 - b) Implementing the Smart Grid Interoperability Framework (Section 1305)
 - c) A Federal matching fund for Smart Grid investment costs (Section 1306)
 - d) Amendment to the Public Utility Regulatory Policies Act (PURPA) of 1978 that each State must consider requiring that, prior to undertaking investments in non-advanced grid technologies, an electric utility of the State demonstrate to the State that they considered an investment in a qualified smart grid system (Section 1307)
 - e) DOE, in consultation with States and other appropriate entities, to study the effect of private wire laws on the development of combined heat and power facilities (Section 1308)

- Additionally, the Secretary may use a portion EDER funds to accelerate hiring of expert staff, \$80 million for to conduct a resource assessment and analysis of future demand and transmission requirements after consultation with the Federal Energy Regulatory Commission (FERC).
- EDER also includes technical assistance, in coordination with FERC, to the North American Electric Reliability Corporation (NERC), the regional reliability entities, the State, and other transmission owners and operators for the formation of interconnection-based transmission plans for the Eastern and Western Interconnections and the Electric Reliability Council of Texas (ERCOT) – this assistance may include modeling, support to regions and States for the development of coordinated State electricity policies, programs, laws, and regulations.
- EDER enables the Secretary of Energy to use funds for transmission improvements authorized in any subsequent Act and the DOE may use or transfer funds to carry out new authority for transmission improvements if such authority is enacted in any subsequent Act.

6.) Fossil Energy Research and Development

- \$3.4 billion has been allotted for R&D to be allotted as follows:
 - a) \$1.52 billion 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 carbon reuse
 - b) \$1 billion for fossil energy research and development programs
 - c) \$800 million for additional amounts for the Clean Coal Power Initiative Round III Funding Opportunity Announcement
 - d) \$50 million for a competitive solicitation for site characterization activities in geologic formations
 - e) \$20 million for geologic training and research grants
 - f) \$10 million for program direction funding

V.) ENVIRONMENTAL PROTECTION AGENCY

1.) State and Tribal Assistance Grants: Brownfields Projects

- This program aims to provide supplemental funding for projects authorized by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or Superfund.
- The Office of Brownfields and Land Revitalization, Office of Solid Waste and Emergency Response; Environmental Protection Agency have been allotted \$100 million for project grants to be distributed to Indian tribes, State and local governments, quasi-governmental authorities, universities and colleges, industry, and other public and private institutions and individuals.
- Brownfields project grants must be used for training, research, and technical assistance to individuals and organizations, to facilitate the inventory of brownfields properties, site assessments, cleanup of brownfields properties, community involvement, or site preparation. Grants and cooperative agreements are available to support recipients' eligible and allowable direct costs incurred under an approved work plan plus allowable programmatic costs, in accordance with established EPA policies and regulations

2.) State and Tribal Assistance Grants: Diesel Emission Reduction Act (DERA) Grants

- These grants aim to provide supplemental funding for projects and activities authorized under DERA.
- The Office of Air and Radiation; Environmental Protection Agency has been allotted \$300 million to be awarded by project grants to a regional, State, local or tribal agency or port authority with jurisdiction over transportation or air quality; and a nonprofit organization or institution that represents or provides pollution reduction or educational services to persons or organizations that own or operate diesel fleets; or has, as its principal purpose, the promotion of transportation or air quality are eligible for assistance under this program. Awardees may also include a city, county, or municipal agencies, school districts, and metropolitan planning organizations (MPOs) that have jurisdiction over transportation or air quality.
- The Act waives the State Grant and Loan Matching Incentive Provisions in the Diesel Emission Reduction Act.
- DERA Grants and Cooperative agreements are available to support recipient's allowable costs incident to supporting projects to reduce emissions from diesel engines, plus allowable indirect costs, in accordance with established EPA policies and regulations. No grant or loan provided under this program shall be used to fund the costs of emissions reductions that are mandated under Federal, State or local law. Voluntary or elective emission reduction measures shall not be considered "mandated", regardless of whether the reductions are included in the implementation plan of a State

VI.) DEPARTMENT OF HEALTH AND HUMAN SERVICES

1.) National Institutes of Health (NIH) National Center for Research Resources

- The National Center for Research Resources has been allotted \$1.3 billion to use as grants or contracts to repair, renovate or construct extramural research facilities and to acquire shared instrumentation and other research equipment.
- \$1 billion for grants or contracts to construct, renovate or repair existing non-Federal research facilities and \$300 million for National Center for Research Resources to provide shared instrumentation and other capital research equipment to recipients of grants and contracts.
- These funds are designed to provide the infrastructure to maximize scientific and health benefits of research

2.) National Institutes of Health (NIH) Office of the Director

- The Office of the Director has been allotted \$8.7 billion to provide short-term grants for specific scientific challenges, new research that expands the scope of ongoing projects, and research on public and international health priorities; and to fund construction and renovation of NIH buildings and facilities.
- Research funding to NIH Institutes and Centers will align with Appropriators funding for these entities, but also targets research on Alzheimer's Disease, Parkinson's Disease, cancer and heart disease.
- Budget Breakdown:
 - a) \$7.4 billion is to be transferred to NIH Institutes and Centers with funds not subject to Small Business Innovation Research and Small Business Technology Transfer set-aside requirements
 - b) \$800 million to be retained in the Office of the Director for purposes that can be completed within two years with a priority 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
 - \$400 million may be used by the Director under existing flexible research authority
 - Funds are not subject to Small Business Innovation Research and Small Business Technology Transfer set-aside requirements
 - c) \$500 million for high priority NIH facility repair, construction, and improvement

3.) Agency for Healthcare Research and Quality (AHRQ)

- \$1.1 billion has been allotted to facilitate comparative effectiveness research (CER) used to conduct or support research to evaluate and compare the clinical outcomes, effectiveness, risk and benefits of two or more medical treatments and services that address a particular medical condition. These funds are broken down as follows: \$300 million is allocated to AHRQ; \$400 million is allocated to NIH; and \$400 million is allocated at the discretion of the HHS Secretary.
- This will result in the creation of a Federal Coordinating Council for Comparative Effectiveness Research, which will consist of up to 15 senior Federal officers or employees with responsibility for health-related programs. At least half of the

- members of the Council must be physicians or have clinical expertise. The Council may not mandate coverage, reimbursement, or other policies for any public or private payer.
- Up to \$1.5 million will be provided to the Institute of Medicine (IOM) to develop a report by June 30, 2009, that includes recommendations on national priorities for CER and considers input from stakeholders.

4.) Prevention and Wellness Fund

- This fund aims to fight preventable diseases and conditions with evidence-based strategies.
- The Secretary for Health and Human Services has been allotted \$1 billion to implement healthcare-associated infection reduction strategies.
- Budget breakdown:
 - a) \$300 million will be transferred to the Centers for Disease Control and Prevention (CDC) to carry out the immunization program (Section 317 of the Public Health Service Act)
 - b) \$650 million will be used to carry out evidence-based clinical and community-based prevention and wellness strategies that deliver specific, measurable health outcomes and address chronic disease rates; these funds may be transferred to other programs within HHS
 - c) \$50 million for States to implement healthcare-associated infections reduction strategies
 - d) Within 90 days Secretary to report to Congress on prevention priorities with measurement goals

5.) Indian Health Services

- Moneys will be distributed at the discretion of the Director of Indian Health Services to fund telehealth services development and related infrastructure and for facility construction projects, deferred maintenance and improvement projects, sanitation projects, and the purchase of equipment. \$85 million will be used for health information technology activities and \$415 million for health facilities.

VI.) DEPARTMENT OF HOMELAND SECURITY

1.) Federal Emergency Management Agency – State and Local Programs – Public Transportation and Railroads Security

- The Federal Emergency Management Agency will distribute \$150 million in grants to provide funding for Public Transportation Security Assistance and Railroad Security Assistance under Sections 1406 and 1513 of the Implementing Recommendations of the 9/11 Commission Act of 2007.

2.) Federal Emergency Management Agency – State and Local Programs – Firefighter Assistance Grants

- The Federal Emergency Management Agency will distribute \$210 million in competitive grants to provide funding for modifying, upgrading or constructing non-Federal fire stations. Up to 5 percent must be for program administration and a maximum grant is \$15 million.

VII.) DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

1.) Community Development Block Grant (CDBG)

- The HUD Office of Community Development will allocated \$1 billion to Entitlement Communities to provide funding for standard allowable CDBG activities meeting low-income benefit requirements, including but not limited to – property acquisition; code enforcement; clearance/rehab/reconstruction/construction of buildings; public and social services (15 percent limit); planning and capacity building; development activities through nonprofits; economic development assistance; relocation; technical assistance; housing services and homeownership assistance.
- Recipients must prioritize use for projects that can award bid-based contracts within 120 days from funding availability. HUD must establish requirements to expedite use of funds and may waive or specify alternative requirements to expedite or facilitate use of funds (*except fair housing, labor standards, environmental standards, Uniform Relocation Act*).

2.) Lead Hazard Reduction Program – Healthy Homes Initiative, Lead-Based Paint Hazard Control Grant, Lead Hazard Reduction Demonstration, Operation Lead Elimination Action Program, etc.

- The HUD Office of Healthy Homes and Lead Hazard Control has been allotted \$100 million to provide funding to abate lead-based hazards in eligible privately owned rental or owner-occupied housing, with various targeting factors by program. Competitive grants and cooperative agreements will be awarded to local governments, States, housing authorities, Tribes, institutions of higher education, for-profit firms (not allowed to profit from activity), depending on program
- Awards will be made to all applicants that qualified for a grant under the Fiscal Year 2008 Lead Hazard Reduction Program NOFA, but did not receive one due to insufficient overall program funding and the remaining amounts to be awarded under regular Fiscal Year 2009 grant solicitation, including a detailed plan and strategy demonstrating capacity to carry out purposes.
- Recipients must expend at least 50 percent of funds within 2 years of funding award, and 100 percent within 3 years – unobligated funds subject to reallocation or recapture.

VIII.) DEPARTMENT OF THE INTERIOR

1.) Historic Preservation Grants for Historically Black Colleges and Universities

- The National Park Service and Historic Preservation Fund has been allotted \$15 million to award competitive grants to qualified Historically Black Colleges to provide funding for historic preservation.

2.) Surveys, Investigations and Research

- The US Geological Survey Director has been allotted \$140 million for discretionary allocations to authorize a wide variety of activities emphasizing on maximizing jobs and improving the nation's science capacity. Activities will include repair,

construction and restoration of facilities, equipment replacement and upgrades, such as stream gages, seismic and volcano monitoring systems, national map activities, and other critical deferred maintenance and improvement projects.

IX.) DEPARTMENT OF JUSTICE

1.) Byrne Competitive Grants

- The Bureau of Justice Assistance has been allotted \$225 million to provide funding for broad-based public safety prevention, intervention, and suppression activities; law enforcement personnel; community-policing; prosecution and court programs; corrections and community corrections programs; drug treatment and enforcement; planning and evaluation; technology improvements; crime victim and witness programs, etc.
- Competitive grants will be awarded to Local, State, and Tribal governments, and non-profit organizations, but cannot be used for compensation to victims of crime.

X.) DEPARTMENT OF LABOR

1.) Employment and Training Administration – Training and Employment Services

- The Employment and Training Administration has been allotted \$3.95 billion to provide funding for activities under the Workforce Investment Act of 1998 (“WIA”).
- A local board may award a contract to an institution of higher education or other eligible training provider if the local board determines that it would facilitate the training of multiple individuals in high-demand occupations, if such contract does not limit customer choice and funds made available will remain available through June 30, 2010.

2.) Adult Employment and Training – Workforce Investment Act

- The Employment and Training Administration has been allotted \$500 million to provide funding for adult employment and training activities, including supportive services and needs-related payments described in the one-stop delivery system provisions (specifically Section 134(c)(2) and (3)) of WIA.
- States, with 85 percent sub-allocation to local Workforce Investment Boards are eligible to receive funding, with priority use of funds for services to individuals on public assistance and other low-income individuals (WIA Section 134(d)(4)(E) of WIA).

3.) Dislocated Worker Grants – Workforce Investment Act

- The Employment and Training Administration has been allotted \$1.25 billion to provide funding for employment and training programs for eligible workers who are unemployed through no fault of their own or have received an official layoff notice.
- States, with 85 percent sub-allocation to local Workforce Investment Boards are eligible to receive funding and Workforce Investment Boards may award contracts to institution of higher education or other training provider if it would facilitate the training of multiple individuals in high-demand occupations and does not limit customer choice. Funds remain available through June 30, 2010

4.) Youth Grants - Workforce Investment Act

- The Employment and Training Administration has been allotted \$1.2 billion to provide funding for youth training and employment activities, including summer employment, occupational skills, counseling, mentoring, supportive services, etc. States, with 85 percent suballocation to local Workforce Investment Boards are eligible to receive funding.
- Age eligibility of youth participants is increased from 21 to 24, for this funding only and Workforce Investment Boards may award contracts to institution of higher education or other training provider if it would facilitate the training of multiple individuals in high-demand occupations and does not limit customer choice.

XI. DEPARTMENT OF TRANSPORTATION

1.) Supplemental Discretionary Grants for a National Surface Transportation System

- The Secretary of Transportation can award up to \$1.5 million in discretionary competitive grants to States, local government and transit agencies to provide funding for projects of national or regional significance.
- Projects eligible to receive funding are (a) highway or bridge projects under Title 23 USC, (b) Public Transportation Projects under Title 49 USC (includes New Starts or Small Starts projects that can be expedited towards entry into revenue service), (c) passenger and freight rail projects, and (d) port infrastructure investments, including projects that connect ports to other modes of transportation and improve efficiency of freight movement.
- The Secretary shall ensure equitable geographic distribution and an appropriate balance in addressing the needs of urban and rural communities
- Stipulations:
 - a) Grant minimum of \$20 million and maximum of \$300 million (Secretary can waive the minimum for significant projects in smaller cities, regions or States)
 - b) No more than 20 percent of the funds can be awarded to a single State
 - c) Secretary shall give priority to projects that require Federal funds to complete financing and to projects that are expected to be completed in 3 years
 - d) Secretary shall publish criteria on which to base the competitive grants within 90 days of enactment, require submittal of applications within 180 days after the publication of criteria and announce selections within 1 year of enactment

XII.) HEALTH INFORMATION TECHNOLOGY

1.) Office of the National Coordinator for Health Information Technology (ONCHIT)

- The Office of the National Coordinator for Health Information Technology has been allotted \$2 billion to oversee the development and implementation of a nationwide health information technology (HIT) infrastructure. Moneys will be awards though various competitive grants, however it is not exclusively for grants.
- The ONCHIT will oversee the HIT Policy Committee and the HIT Standards Committee and direct each agency to require, in their contracts or agreements with

health care providers, health plans, or health insurance issuers, that as each entity acquires, or upgrades HIT systems and products, it will utilize, where available, HIT systems and products that meet these newly developed standards and implementation specifications. ONCHIT can also provide financial assistance to consumer advocacy groups and nonprofits that work in the public interest on the Federal adoption of privately developed standards

- Additionally, ONCHIT will review and determine whether to endorse standards, implementation specifications, and certification criterion for the electronic exchange and use of health information recommended by the HIT Standards Committee, support the development, routine updating and provision of qualified EHR technology and ensure that qualified EHR technology is certified.

2.) HIT Policy Committee

- The Membership of the HIT Policy Committee is to make policy recommendations to ONCHIT relating to implementation of a nationwide health information technology infrastructure.
- The HIT Policy Committee will play a critical role in developing the requirements for HIT infrastructure. Its duties include recommending: (1) a policy framework for development and adoption of a nationwide HIT infrastructure that permits electronic exchange and use of health information consistent with the Strategic Plan; (2) areas in which standards, implementation specifications, and certification criteria are needed for electronic exchange and use of health information; and (3) priorities for the development, harmonization, and recognition of such standards, specification, and certification criteria

3.) HIT Standards Committee

- The Membership of the HIT Standards Committee is to recommend standards, implementation specifications, and certification criteria for the electronic exchange and use of health IT.
- The HIT Standards Committee will play a critical role in developing the specific requirements for HIT systems and software. Its duties include: (1) developing, harmonizing, and recognizing standards, implementation specifications, and certification criteria consistent with the HIT Policy Committee's recommendations; (2) recommending these standards, specifications, and criteria to ONCHIT; and (3) providing for pilot tests of these standards and implementation specifications by the National Institute for Standards and Technology, as well as developing a schedule for the assessment of policy recommendations developed by the HIT Policy Committee

4.) Pilot Testing Through the National Institute for Standards and Technology (NIST)

- The Director of the NIST and the HIT Standards Committee will award funds, allocated from the ONCHIT, to non-federal laboratories for the purpose of testing standards and support the establishment of a voluntary testing program.

5.) Health Care Information Enterprise Integration Research Centers

- The Director of NIST will award competitive grants, funded through ONCHIT to establish multidisciplinary Centers for Health Care Information Enterprise Integration to generate innovative approaches to health care information enterprise integration by conducting cutting-edge, multidisciplinary research on the system challenges to health care delivery, and develop and use of health information technologies and other complementary fields.
- Higher education institutions or consortiums are eligible to receive funding to research: (a) human information and communications technology systems, voice-recognition systems, software that improves interoperability and connectivity among health information systems; (b) software dependability in systems critical to health care delivery; (c) measurement of the impact of information technologies on the quality and productivity of health care; (d) health information enterprise management; (e) health information technology security and integrity; and (f) relevant health information technology to reduce medical errors

6.) Immediate Funding to Strengthen HIT Infrastructure

- The Secretary of HHS will appropriate funds to ONCHIT, Health Resources and Services Administration (HRSA), Agency for Healthcare Research and Quality (AHRQ), Center for Medicare and Medicaid Services (CMS), Center for Disease Control (CDC), and HIS to invest in the infrastructure necessary to allow for and promote the electronic exchange and use of health information for each individual in the United States.
- These funds shall be used to support: (a) HIT architecture for nationwide electronic exchange and use of health information; (b) development and adoption of appropriate certified EHRs; (c) training and dissemination of information on best practices to integrate HIT, including EHR, into providers' delivery of care; (d) infrastructure and tools for the promotion of telemedicine; (e) promotion of interoperability of clinical data repositories or registries; (f) promotion of technologies and best practices to enhance the protection of health information; and (g) improvement and expansion public health departments' use of HIT

7.) HIT Implementation Assistance- HIT Regional Extension Centers

- The Secretary of HHS will award funds to U.S.-based nonprofit institution or organization to provide regional technical assistance and disseminate best practices to support and accelerate efforts to adopt, implement, and effectively utilize HIT.
- After the second year of assistance, a regional center may receive additional support if it has received positive evaluations and the Secretary has found that continuation of Federal funding to the center is in the best interest of the provision of HIT extension services. Financial support may be provided for no more than 4 years

8.) State Planning and Implementation Grants to Promote HIT

- The Secretary of HHS, acting through ONCHIT, will award competitive grants to States and qualified State-designated entities for the purpose of facilitating and expanding the electronic movement and use of health information among organizations according to nationally recognized standards.
- Eligible States and State-designated entities must submit a plan describing the activities to be carried out to facilitate and expand electronic health information

exchange and funds received through these grants must be used to conduct activities to facilitate and expand the electronic movement and use of health information among organizations according to nationally recognized standards.

9.) Demonstration Program to Integrate Information Technology into Clinical Education

- The Secretary of HHS will award competitive grants to develop academic curricula integrating certified EHR technology in the clinical education of health professionals. Eligible applicants will include schools of medicine, osteopathic medicine, dentistry, or pharmacy, graduate programs in behavioral or mental health, or any other graduate health professions school, a graduate school of nursing or physician assistant studies, a consortium of schools, or an institute with a graduate medical education program in medicine, osteopathic medicine, dentistry, pharmacy, nursing, or physician assistance studies.
- In order to be considered for the grants, applicants must submit a strategic plan for integrating certified EHR technology in the clinical education of health and must provide for the collection of data regarding the demonstration project's effectiveness in improving the safety of patients, the efficiency of health care delivery, and increasing the likelihood that graduates will adopt and incorporate certified EHR technology in the delivery of health services. Entities must also use grant funds in collaboration with two or more disciplines and integrate certified EHR technology into community-based clinical education and shall not use amounts received under a grant to purchase hardware, software, or services.

10.) Information Technology Professionals in Health Care

- The Secretary of HHS, in consultation with Director of the National Science Foundation, will award grants to higher education institution and consortia to establish or expand medical health information education programs to ensure rapid and effective utilization and development of HIT. Preference will be given to existing educational and training programs and programs designed to be completed in less than six months.

XIII.) NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

1.) Scientific and Technical Research Services

- The National Institute of Standards and Technology has been allotted \$220 million, plus \$20 million transfer from the Health Information Technology (HIT) initiative at the Department of Health and Human Services for HIT activities to provide funding for NIST's in-house research and development effort, competitive grants, additional research fellowships and advanced research and measurement equipment and supplies.
- Competitive grants will be awarded to U.S. businesses and industries that assist NIST in cooperative research. Of the HIT funds, 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.

2.) Construction of Research Facilities

- The National Institute of Standards and Technology has been allotted \$360 million to address National Institute of Standards and Technology (NIST) backlog of maintenance and renovation for construction of new facilities and laboratories. Competitive grants will be awarded to Institutions of higher education and nonprofit organizations are eligible to apply for grants under NIST's Technology Construction Grant Program.
- For purposes of the construction grant program, NIST defines "research science building" as a building or facility whose purpose is to conduct scientific research, including laboratories, test facilities, measurement facilities and/or observatories.

XIV.) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA)

1.) Operations, Research and Facilities

- The National Oceanic and Atmospheric Administration has been allotted \$230 million to provide funding for NOAA operations, research and facilities to address backlog of research, restoration, navigation, conservation and management activities. The funding is likely to be dedicated to the Operations, Research and Facilities (ORF) discretionary account or ORF offices--National Weather Service, NOAA research, NOAA Satellites, NOAA Fisheries and NOAA Ocean Services.

XV.) NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

1.) Science

- NASA has been allotted \$400 million to to accelerate 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 abilities.

2.) Aeronautics

- NASA has been allotted \$150 million to provide funding for system-level research, development and demonstration activities related to aviation safety, environmental impact mitigation and the Next Generation Air Transportation System (NextGen)

3.) Exploration

- NASA has been allotted \$400 million to provide funding for exploration.

XVI.) NATIONAL SCIENCE FOUNDATION (NSF)

1.) Research and Related Activities

- The NSF Director has been allotted \$2.5 billion of which \$300 million is available solely for the Major Research Instrumentation program and \$200 million allocated for academic research facilities modernization, to fund research and research facility modernization.
- The NSF must submit its spending plan to the House and Senate Appropriations that supports research divisions and advancements in supercomputing technology.

2.) Education and Human Resources

- \$100 million worth of grants will be awarded to provide additional funding for education and human resources - \$60 million of which is allocated to the Robert Noyce Scholarship Program, \$25 million to Math and Science Partnerships and \$15 million to Professional Science Master's Programs.
- Robert Noyce Scholarship Program covers undergraduate science, technology, engineering, and mathematics (STEM) majors and post-baccalaureate students holding STEM degrees who commit to teaching in high-need K-12 school districts. Math and Science Partnerships cover higher education institute or consortia and non-profit institute or consortia.

3.) Major Research Equipment and Facilities Construction

- The NSF must submit its spending plan to the House and Senate Appropriations Committees within 60 days of enactment to provide \$400 million worth of additional funding for research equipment and facility construction.

XVII.) Student Financial Assistance

1.) Pell Grants

- The Office of Federal Student aid will award \$15.64 billion in grants to low-income undergraduate and certain post-baccalaureate students to promote access to postsecondary education. Financial need will be determined by the U.S. Department of Education using a standard formula that factors income (student and parents), household size and number of higher education students within the household.
- Funding will be available to support a \$4,860 maximum Pell Grant award for the 2009- 2010 award year. \$1.474 billion will also be provided for the mandatory component of the Pell Grant program, with the additional \$490 in mandatory funding, combined with the increase in the Fiscal Year 2009 omnibus, the maximum Pell Grant award will be \$5,350.

2.) Federal Work Study

- The Office of Federal Student Aid will allocate \$18.2 million in formula grants to institutions of higher education. In an effort to assist students financing the costs of postsecondary education, these moneys can be earned through part-time employment in work study programs.

3.) Student Aid Administration

- \$60 million has been allotted to provide funding for administration of the Pell Grant, work study, and the direct loan program, which provide grants and loans to help students pay for education after high school

4.) Higher Education – Teacher Quality Enhancement

- The Office of Postsecondary Education has been allotted \$100 million to improve teacher recruitment, preparation, and support to reduce shortages of qualified teachers in high-need school districts. Discretionary/competitive grants will be

awarded to State education agencies, while partnership and recruitment grants will be awarded to institutions of higher education, local education agencies.

XVIII.) BROADBAND TECHNOLOGY OPPORTUNITIES PROGRAM

Broadband Technology Opportunities Program (BTOP)

- \$4.7 billion has been appropriated to establish a Broadband Technology Opportunities Program for awards to eligible entities to develop and expand broadband services to unserved and underserved areas and improve access to broadband by public safety agencies.
- \$250 million will be available for innovative programs that encourage sustainable adoption of broadband services; at least \$200 million will be available to upgrade technology and capacity at public computing centers, including community colleges and public libraries; \$10 million will be a transfer to the Office of Inspector General for the purposes of BTOP audits and oversight. Up to \$350 million of the BTOP funding is designated for the development and maintenance of statewide broadband inventory maps.