activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or facility or for plant or facility acquisition, construction, or expansion, and purchase of not more than 50 passenger motor vehicles for replacement only, including one law enforcement vehicle, two ambulances, and three buses, $4,943,587,000, to remain available until expended: *Provided*, That $15,000,000 appropriated under this heading under prior appropriation Acts for the Advanced Research Projects Agency—Energy is hereby transferred to the ''Advanced Research Projects Agency—Energy'' account: *Provided further*, That, of the amount appropriated in this paragraph, $37,740,000 shall be used for the projects specified in the table that appears under the heading ''Congressionally Directed Science Projects'' in the report of the Committee on Appropriations of the House of Representatives to accompany this Act.

NUCLEAR WASTE DISPOSAL

For nuclear waste disposal activities to carry out the purposes of the Nuclear Waste Policy Act of 1982 (Public Law 97–425) (''NWPA''), including the acquisition of real property or facility construction or expansion, $98,400,000, to remain available until expended, and to be derived from the Nuclear Waste Fund: *Provided*, That

science, this program can significantly enhance the ability of teachers to involve their students in doing science rather than just reading about and reproducing well-established principles.

CONGRESSIONALLY DIRECTED PROJECTS

Congressionally Directed Projects.—The Committee recommendation includes $37,740,000 for the following projects and activities. The Committee believes these projects are consistent with or complementary to the purposes and objectives of existing Department of Energy activities and authorizations passed by Congress. The Committee directs the Department to work closely with recipients of congressionally designated funding to ensure that funded projects are consistent with authorized energy purposes and goals. The Department should remind recipients that statutory cost-sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT	
Advanced Artificial Science and Engineering Research Infrastructure	$300,000
Advanced Manufacturing and Engineering Equipment	$1,000,000
Applied Biomechanical Engineering Graduate Program	$400,000
Bethune-Cookman University STEM Research Lab	$250,000
Building Surface Science Capacity to Serve the Automobile Industry in Southeastern Michigan	$500,000
Center for Advanced Scientific Modeling (CASCaM)	$700,000
Center for Nanomedicine and Cellular Delivery	$500,000
Center for Sustainable Energy at Bronx Community College, Bronx, NY	$500,000
Clean Energy Storage, Conversion, and Generation Research	$500,000
Clemson University Cyberinstitute	$500,000
College of Saint Elizabeth	$1,000,000
Computational Modeling of Drug-Resistant Bacteria	$915,000
Energy Efficiency & Water Institute Research Facility, Purdue University-Calumet, IN	$2,000,000
Energy Systems Engineering Institute	$500,000
Fourier Transform Nuclear Magnetic Resonance (FTNMR) Spectrometer	$500,000
Fusion Energy Spheromak Turbulent Plasma Experiment (STPX)	$500,000
Green Manufacturing and Energy Conscious Design Program	$1,000,000
Idaho Accelerator Center Production of Medical Isotopes	$1,500,000
Idaho National Laboratory Center for Advanced Energy Studies	$1,000,000
Institute for Collaborative Sciences Research	$1,200,000
Institute for Intergrated Sciences	$2,000,000
Landfill Leachate Recirculation and Gas to Energy Project	$500,000
Meteorology and Atmospheric Science Program at the University of Louisville	$350,000
Nevada Water Resources Data, Modeling and Visualization (DMV) Center	$750,000
Notre Dame Innovation Park, South Bend, IN	$575,000
Physical and Biological Sciences Laboratory Learning Center	$400,000
Rockland CC Science Lab Upgrade	$300,000
Science Lab Expansion	$550,000
Smart Grid Simulation Laboratory	$900,000
State-of-the-Art Large-Scale Testing for Wind to Enhance Infrastructure Resiliency and Develop Energy-Efficient Buildings	$1,000,000
STEM Infrastructure Improvement Project	$1,500,000
STEM Minority Graduate Program	$3,500,000
Susquehanna University, equipment for new science center	$1,000,000
Sustainable Biofuels Development Center	$500,000
Transylvania University Brown Science Center Equipment	$650,000
TU Algae to Green Fuels Energy Project	$750,000
Twin Tower Observatory	$200,000
Ultra Fast Power Processor for Smart Grid	$1,000,000
UMASS Integrative Science Building	$2,000,000
Unique Methodologies for Nano/Micro Manufacturing and Job Training for Nanotechnology	$500,000
University of Delaware Energy Institute	$500,000

CONGRESSIONALLY DIRECTED OFFICE OF THE ADMINISTRATOR (NNSA) PROJECTS

PROJECT	
ACE Program at Maricopa County Community Colleges	$1,000,000
Historically Black Colleges and Universities Program, South Carolina	$10,000,000
Morehouse College Minority Energy Science Research and Education Initiative	$2,000,000

ADVANCED RESEARCH PROJECTS AGENCY—ENERGY

Appropriation, 2009	[a] $15,000,000
Budget estimate, 2010	10,000,000
Recommended, 2010	—
Comparison:	
Appropriation, 2009	·5,000,000
Budget estimate, 2010	·10,000,000

[a] Funding provided under Science, excludes $400,000,000 of funding from the American Recovery and Reinvestment Act of 2009 (Public Law 111–5).

The American Recovery and Reinvestment Act provided $400 million for the establishment of the Advanced Research Projects Agency—Energy (ARPA–E). The Committee believes that, in addition to the fiscal year 2009 appropriation of $15,000,000 (for program direction), this funding will allow ARPA–E to fund its first round of projects beginning in fiscal year 2010 and provides an appropriate foundation of project funding as ARPA–E ramps-up to full operation. The decision not to provide any additional funding for ARPA–E in fiscal year 2010 beyond the funding already provided does not in any way suggest a lack of commitment to this new program by the Committee. The Committee looks forward to ARPA–E becoming fully operational in fiscal year 2010 and beginning its important work of developing innovative and transformational energy technologies.

The initial staffing and leadership of ARPA–E will be critical to its long-term success. While the Committee commends the Department for moving quickly on the establishment of ARPA–E, there is concern that the timeline dictated by the agency's Funding Opportunity Announcement may outpace the selection of the Program Managers and a Director or an acting Director, as intended in the America COMPETES Act. The Committee encourages the Secretary to use all existing authorities to aggressively recruit staff that will be uniquely qualified to both make project funding decisions and create a distinct organizational culture for ARPA–E.

NUCLEAR WASTE DISPOSAL

Appropriation, 2009	$145,390,000
Budget estimate, 2010	98,400,000
Recommended, 2010	98,400,000
Comparison:	
Appropriation, 2009	·46,990,000
Budget estimate, 2010	—

The Department of Energy requested a total of $98,400,000 for Nuclear Waste Disposal. The requested funds terminate the Yucca Mountain nuclear waste repository. The Administration requested funds to continue to work supporting the Nuclear Regulatory Commission's licensing of the site with the purpose of informing the li-

ENERGY AND WATER DEVELOPMENT—Continued
[Congressionally Directed Spending Items]

Agency	Account	Project	Amount	Requester(s)
Department of Energy	Fossil Energy R&D	OKLAHOMA UNIVERSITY ENHANCED OIL RECOVERY DESIGN CENTER	$500,000	Cole
Department of Energy	Fossil Energy R&D	RESEARCH AND DEVELOPMENT OF FUEL CELLS FOR ELECTRICITY FROM FOSSIL—AND BIO-BASED FUELS	$500,000	Kucinich; LaTourette
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY STRATEGIC LIQUID TRANSPORTATION FUELS DERIVED FROM COAL	$2,000,000	Davis (KY); Rogers (KY)
Department of Energy	Science	ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE	$300,000	Hall (TX)
Department of Energy	Science	ADVANCED MANUFACTURING AND ENGINEERING EQUIPMENT	$1,000,000	Ellsworth
Department of Energy	Science	APPLIED BIOMECHANICAL ENGINEERING GRADUATE PROGRAM	$400,000	Souder
Department of Energy	Science	BETHUNE-COOKMAN UNIVERSITY STEM RESEARCH LAB	$250,000	Mica
Department of Energy	Science	BUILDING SURFACE SCIENCE CAPACITY TO SERVE THE AUTOMOBILE INDUSTRY IN SOUTHEASTERN MICHIGAN	$500,000	Conyers; Dingell
Department of Energy	Science	CENTER FOR ADVANCED SCIENTIFIC MODELING (CASCAM)	$700,000	Burgess
Department of Energy	Science	CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY	$500,000	Cummings
Department of Energy	Science	CENTER FOR SUSTAINABLE ENERGY AT BRONX COMMUNITY COLLEGE, BRONX, NY	$500,000	Serrano
Department of Energy	Science	CLEAN ENERGY STORAGE, CONVERSION, AND GENERATION RESEARCH	$500,000	Schakowsky
Department of Energy	Science	CLEMSON UNIVERSITY CYBERINSTITUTE	$500,000	Inglis
Department of Energy	Science	COLLEGE OF SAINT ELIZABETH	$1,000,000	Frelinghuysen
Department of Energy	Science	COMPUTATIONAL MODELING OF DRUG-RESISTANT BACTERIA	$915,000	Gordon (TN)

Department of Energy	Science	ENERGY EFFICIENCY & WATER INSTITUTE RESEARCH FACILITY, PURDUE UNIVERSITY-CALUMET, IN	$2,000,000	Visclosky
Department of Energy	Science	ENERGY SYSTEMS ENGINEERING INSTITUTE	$500,000	Dent
Department of Energy	Science	FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE (FTNMR) SPECTROMETER	$500,000	Lee (NY)
Department of Energy	Science	FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (STPX)	$500,000	Boyd; Meek (FL); Wasserman Schultz
Department of Energy	Science	GREEN MANUFACTURING AND ENERGY CONSCIOUS DESIGN PROGRAM	$1,000,000	Upton
Department of Energy	Science	IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES	$1,500,000	Simpson
Department of Energy	Science	IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES	$1,000,000	Simpson
Department of Energy	Science	INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH	$1,200,000	Diaz-Balart, Lincoln; Wasserman Schultz
Department of Energy	Science	INSTITUTE FOR INTERGRATED SCIENCES	$2,000,000	Markey (MA)
Department of Energy	Science	LANDFILL LEACHATE RECIRCULATION AND GAS TO ENERGY PROJECT	$500,000	Shuler
Department of Energy	Science	METEOROLOGY AND ATMOSPHERIC SCIENCE PROGRAM AT THE UNIVERSITY OF LOUISVILLE	$350,000	Yarmuth
Department of Energy	Science	NEVADA WATER RESOURCES DATA, MODELING AND VISUALIZATION (DMV) CENTER	$750,000	Berkley; Heller; Titus
Department of Energy	Science	NOTRE DAME INNOVATION PARK, SOUTH BEND, IN	$575,000	Donnelly (IN)
Department of Energy	Science	PHYSICAL AND BIOLOGICAL SCIENCES LABORATORY LEARNING CENTER	$400,000	Diaz-Balart, Lincoln
Department of Energy	Science	ROCKLAND CC SCIENCE LAB UPGRADE	$300,000	Engel
Department of Energy	Science	SCIENCE LAB EXPANSION	$550,000	Massa
Department of Energy	Science	SMART GRID SIMULATION LABORATORY	$900,000	Markey (CO); Perlmutter

ENERGY AND WATER DEVELOPMENT—Continued
[Congressionally Directed Spending Items]

Agency	Account	Project	Amount	Requester(s)
Department of Energy	Science	STATE-OF-THE-ART LARGE-SCALE TESTING FOR WIND TO ENHANCE INFRASTRUCTURE RESILIENCY AND DEVELOP ENERGY-EFFICIENT BUILDINGS.	$1,000,000	Diaz-Balart, Mario
Department of Energy	Science	STEM INFRASTRUCTURE IMPROVEMENT PROJECT	$1,500,000	Spratt
Department of Energy	Science	STEM MINORITY GRADUATE PROGRAM	$3,500,000	Fattah
Department of Energy	Science	SUSQUEHANNA UNIVERSITY, EQUIPMENT FOR NEW SCIENCE CENTER	$1,000,000	Carney
Department of Energy	Science	SUSTAINABLE BIOFUELS DEVELOPMENT CENTER	$500,000	Markey (CO)
Department of Energy	Science	TRANSYLVANIA UNIVERSITY BROWN SCIENCE CENTER EQUIPMENT	$650,000	Chandler
Department of Energy	Science	TU ALGAE TO GREEN FUELS ENERGY PROJECT	$750,000	Sullivan
Department of Energy	Science	TWIN TOWER OBSERVATORY	$200,000	McKeon
Department of Energy	Science	ULTRA FAST POWER PROCESSOR FOR SMART GRID	$1,000,000	Gerlach
Department of Energy	Science	UMASS INTEGRATIVE SCIENCE BUILDING	$2,000,000	Olver
Department of Energy	Science	UNIQUE METHODOLOGIES FOR NANO/MICRO MANUFACTURING AND JOB TRAINING FOR NANOTECHNOLOGY	$500,000	Foster
Department of Energy	Science	UNIVERSITY OF DELAWARE ENERGY INSTITUTE	$500,000	Castle
Department of Energy	Science	UNIVERSITY OF ILLINOIS AT CHICAGO HIGH PERFORMANCE COMPUTING	$1,000,000	Davis (IL)
Department of Energy	Science	UNIVERSITY OF RHODE ISLAND REGIONAL EARTH SYSTEMS INSTITUTE	$750,000	Kennedy; Langevin
Department of Energy	Science	UNIVERSITY PARK AND RESEARCH CENTER IN CHULA VISTA, CA	$1,000,000	Filner
Department of Energy	Science	WHITWORTH UNIVERSITY STEM EQUIPMENT	$300,000	McMorris Rodgers