URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

Appropriation, 2009	[a] $535,503,000
Budget estimate, 2010	[b] 559,377,000
Recommended, 2010	559,377,000
Comparison:	
Appropriation, 2009	+23,874,000
Budget estimate, 2010	—

[a] Excludes $390,000,000 of funds from the American Recovery and Reinvestment Act (PL 111–8).
[b] Does not include the $200,000,000 utility fee proposed in the fiscal year 2010 request.

The Uranium Enrichment Decontamination and Decommissioning Fund was established by the Energy Policy Act of 1992 (P.L. 102–486) to pay for the cleanup of the three gaseous diffusion plants at Piketon, Ohio, Paducah, Kentucky, and East Tennessee Technology Park, Oak Ridge, Tennessee. Title X of the 1992 Act also authorized use of a portion of the fund to reimburse private licensees for the Federal government's share of the cost of cleaning up uranium and thorium processing sites. The 1992 Act authorized the collection of revenues for 15 years to pay for authorized cleanup costs. The revenues are derived from: an assessment on domestic utilities of up to $150,000,000 annually, based on a ratio of their purchases of enriched uranium to the total purchases from DOE, including those for defense; and federal government appropriations for the difference between the authorized funding under the Energy Policy Act and the assessment on utilities. The utility fee expired in 2007.

The Committee recommends $559,377,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund, the same as the budget request. The Committee recommendation includes $87,501,000 for the Paducah and $246,876,000 for the Portsmouth gaseous diffusion plants. This also includes $225,000,000 for the accelerated decontamination and decommissioning of Oak Ridge East Tennessee Technology Park nuclear facilities.

Escalating cleanup cost estimates prompted the Administration to submit a legislative proposal to restore the utility fee to up to $200,000,000 per year. The Committee recommendation does not include the legislative language reinstating the utility fee. Given the legislative proposal addresses a 25-year time horizon it is best addressed in the context of action by the relevant authorizing committees.

SCIENCE

(INCLUDING TRANSFER OF FUNDS)

Appropriation, 2009	[a] $4,772,636,000
Budget estimate, 2010	4,941,682,000
Recommended, 2010	4,943,587,000
Comparison:	
Appropriation, 2009	+170,951,000
Budget estimate, 2010	+1,905,000

[a] Excludes $1,600,000,000 of funding from the American Recovery and Reinvestment Act of 2009 (Public Law 111–5).

The Science account funds the Department's work on high energy physics, nuclear physics, biological and environmental research, basic energy sciences, advanced scientific computing, maintenance of the laboratories physical infrastructure, fusion energy sciences,

safeguards and security, workforce development for teachers and scientists, and science program direction.

The Committee recommendation is $4,943,587,000, $1,905,000 above the budget request and $170,951,000 above the fiscal year 2009 enacted level.

HIGH ENERGY PHYSICS

The Committee recommends a total of $819,000,000 for High Energy Physics, the same as the request.

The control level is at the High Energy Physics level.

NUCLEAR PHYSICS

The Committee recommendation for Nuclear Physics is $536,455,000, $15,545,000 below the request.

The Committee recommends $111,816,000 for Low Energy Nuclear Physics, $5,000,000 below the request. From within these funds, the Committee recommends $12,000,000, $3,000,000 above the request, for the Facility for Rare Isotope Beams.

The Committee recommends $12,000,000 for the 12GeV continuous electron beam facility upgrade at the Thomas Jefferson Laboratory, $10,000,000 below the request in light of reduced requirements for the project.

The Committee recommends $29,200,000, $10,000,000 above the request, for Isotope Development and Production for Research and Applications, University Operations. The Committee is aware that several universities, including the University of California at Davis and Idaho State University, operate facilities with the potential to make important contributions to the nation's supply of medical isotopes. The Committee directs the Department to work with the academic community to most cost-effectively increase the availability of medical isotopes.

The control level is at the Nuclear Physics level.

BIOLOGICAL AND ENVIRONMENTAL RESEARCH

The Committee recommends $597,182,000, $7,000,000 less than the request, for Biological and Environmental Research.

The control level is at the Biological and Environmental Research level.

BASIC ENERGY SCIENCES

The Committee recommendation for Basic Energy Sciences is $1,675,000,000, $10,500,000 below the request. Within this sum, the Committee recommends $35,000,000 for one Energy Innovation Hub as described in the Research and Development Initiatives section of this report.

The Committee recommends $365,112,000 for Materials Sciences and Engineering Research, including $10,020,000, $1,500,000 above the request, for EPSCOR, and $320,857,000 for Chemical Sciences, Geosciences, and Energy Biosciences.

The Committee recommends $834,791,000, $23,000,000 above the request, for Scientific User Facilities. From within these funds, the Committee recommends $198,872,000, $15,000,000 above the request, for the Spallation Neutron Source, and $68,841,000,

$8,000,000 above the request, for the High Flux Isotope Reactor, both at Oak Ridge National Laboratory.

ADVANCED SCIENTIFIC COMPUTING RESEARCH

The Committee recommendation is $409,000,000, the same as the request and $40,180,000 above the fiscal year 2009 appropriation excluding emergency appropriations, for Advanced Scientific Computing Research.

FUSION ENERGY SCIENCES

The Committee recommendation for fusion energy sciences is $441,000,000, $20,000,000 more than the request.

From within these funds, the Committee recommends $20,000,000 for the laser fusion program at the Naval Research Laboratory (NRL), which has been funded in previous years from the accounts under the National Nuclear Security Administration. NRL has identified a path to inertial fusion energy that could substantially reduce the cost and the time to develop a practical fusion power source, based on krypton-fluoride (KrF) lasers and high-performance directly driven targets. NRL researchers and their collaborators have developed a staged plan to systematically develop the needed science and technologies for the energy application. The Committee directs the Department of Energy to evaluate the potential of the KrF laser for commercial fusion and the merits of the staged development plan. The Office of Nuclear Energy shall take the lead in this evaluation, working with the Office of Science, and report to the Committee not later than August 31, 2009, on its findings.

SCIENCE LABORATORIES INFRASTRUCTURE

The Committee recommends $133,600,000 for Science Laboratories Infrastructure, the same as the budget request.

SAFEGUARDS AND SECURITY

The Committee recommends $83,000,000, the same as the budget request, to meet safeguards and security requirements at Office of Science facilities.

SCIENCE PROGRAM DIRECTION

The Committee recommendation for Science Program Direction is $190,932,000, $22,790,000 below the request and $2,637,000 above the fiscal year 2009 appropriation, excluding emergency appropriations, for Science Program Direction. Within these funds, $75,261,000 is recommended for Headquarters, $106,755,000 is recommended for Field Offices, and $8,916,000 is recommended for the Office of Scientific and Technical Information.

The control level is at the Science Program Direction level.

SCIENCE WORKFORCE DEVELOPMENT

The Committee recommends $20,678,000 for workforce development for teachers and scientists in fiscal year 2010, the same as the requested amount. By utilizing the Department's intellectual and physical assets to provide teachers with the opportunity to become teacher-scientists rather than teachers who happen to teach

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

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2009
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2010
(Amounts in thousands)

	FY 2009 Enacted	FY 2010 Request	Bill	Bill vs. Enacted	Bill vs. Request
URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND					
Decontamination and decommissioning	525,503	559,377	---	-525,503	-559,377
Uranium/thorium reimbursement	10,000	---	---	-10,000	---
Oak Ridge	---	---	225,000	+225,000	+225,000
Paducah	---	---	87,501	+87,501	+87,501
Portsmouth	---	---	246,876	+246,876	+246,876
Emergency appropriations (P.L. 111-5):					
Uranium/thorium reimbursement	68,950	---	---	-68,950	---
ARRA Oak Ridge	118,200	---	---	-118,200	---
AARA Paducah	78,800	---	---	-78,800	---
ARRA Portsmouth	118,200	---	---	-118,200	---
ARRA program direction	1,950	---	---	-1,950	---
ARRA unallocated	3,900	---	---	-3,900	---
Offsetting collections	---	-200,000	---	---	+200,000
TOTAL, UED&D FUND/URANIUM INVENTORY CLEANUP	925,503	359,377	559,377	-366,126	+200,000
SCIENCE					
High energy physics:					
Proton accelerator-based physics	410,343	442,988	442,988	+32,645	---
Emergency appropriation, P.L. 111-5	107,990	---	---	-107,990	---
Electron accelerator-based physics	48,772	26,420	26,420	-22,352	---
Emergency appropriation, P.L. 111-5	1,400	---	---	-1,400	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2009
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2010
(Amounts in thousands)

	FY 2009 Enacted	FY 2010 Request	Bill	Bill vs. Enacted	Bill vs. Request
Non-accelerator physics	86,482	99,321	99,321	+12,839	---
Emergency appropriation, P.L. 111-5	4,445	---	---	-4,445	---
Theoretical physics	63,036	67,240	67,240	+4,204	---
Emergency appropriation, P.L. 111-5	5,975	---	---	-5,975	---
Advanced technology R&D	187,093	183,031	183,031	-4,062	---
Emergency appropriation, P.L. 111-5	112,580	---	---	-112,580	---
Total, High energy physics	1,028,116	819,000	819,000	-209,116	---
Nuclear physics	481,019	530,000	---	-481,019	-530,000
Operations and maintenance	---	---	524,455	+524,455	+524,455
Emergency appropriation, P.L. 111-5	89,800	---	---	-89,800	---
Construction					
07-SC-02 Electron beam ion source Brookhaven National Laboratory, NY	2,438	---	---	-2,438	---
06-SC-01 Project engineering and design (PED) 12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator facility (was project 07-SC-001), Newport News, VA	28,623	22,000	12,000	-16,623	-10,000
Emergency appropriation, P.L. 111-5	65,000	---	---	-65,000	---
Total, Nuclear physics	666,880	552,000	536,455	-130,425	-15,545
Biological and environmental research:					
Biological research	423,613	---	---	-423,613	---
Emergency appropriation, P.L. 111-5	100,793	---	---	-100,793	---
Climate change research	177,927	---	---	-177,927	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2009
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2010
(Amounts in thousands)

	FY 2009 Enacted	FY 2010 Request	Bill	Bill vs. Enacted	Bill vs. Request
Emergency appropriation, P.L. 111-5	64,860	---	---	-64,860	---
Biological systems science	---	318,476	316,476	+316,476	-2,000
Climate and environmental sciences	---	285,706	280,706	+280,706	-5,000
Total, Biological and environmental research	767,193	604,182	597,182	-170,011	-7,000
Basic energy sciences:					
Research:					
Materials sciences and engineering research	1,129,391	381,112	365,112	-764,279	-16,000
Emergency appropriation, P.L. 111-5	236,798	---	---	-236,798	---
Chemical sciences, geosciences and energy					
Emergency appropriation, P.L. 111-5	154,062	---	---	-154,062	---
biosciences	297,113	338,357	320,857	+23,744	-17,500
Scientific user facilities	---	811,791	834,791	+834,791	+23,000
Subtotal, Research	1,817,364	1,531,260	1,520,760	-296,604	-10,500
Construction:					
08-SC-01 Advanced light source (ALS) user support building, LBNL, CA	11,500	---	---	-11,500	---
Emergency appropriation, P.L. 111-5	14,546	---	---	-14,546	---
08-SC-11 Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA	3,728	---	---	-3,728	---
07-SC-06 Project engineering and design (PED)					
National Synchrotron light source II (NSLS-II)	93,273	139,000	139,000	+45,727	---
Emergency appropriation, P.L. 111-5	150,000	---	---	-150,000	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2009
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2010
(Amounts in thousands)

	FY 2009 Enacted	FY 2010 Request	Bill	Bill vs. Enacted	Bill vs. Request
05-R-320 LINAC coherent light source (LCLS).....	36,967	15,240	15,240	-21,727	---
Subtotal, Construction.....	310,014	154,240	154,240	-155,774	---
Total, Basic energy sciences.....	2,127,378	1,685,500	1,675,000	-452,378	-10,500
Advanced scientific computing research.....	368,820	409,000	409,000	+40,180	---
Emergency appropriation, P.L. 111-5.....	157,110	---	---	-157,110	---
Fusion energy sciences program.....	402,550	421,000	441,000	+38,450	+20,000
Emergency appropriation, P.L. 111-5.....	91,023	---	---	-91,023	---
Science laboratories infrastructure:					
Laboratories facilities support:					
Infrastructure support:					
Payment in lieu of taxes.....	1,385	1,385	1,385	---	---
Excess facilities disposal.....	24,844	---	---	-24,844	---
Emergency appropriation, P.L. 111-5.....	14,301	---	---	-14,301	---
Oak Ridge landlord.....	5,079	5,214	5,214	+135	---
General plant projects (emergency appropriations P.L. 111-5).....	89,572	---	---	-89,572	---
Subtotal, Infrastructure support.....	135,181	6,599	6,599	-128,582	---
Construction:					
10-SC-70 Research support building and infrastructure modernization, SLAC.....	---	8,900	8,900	+8,900	---
10-SC-71 Energy sciences building, ANL.....	---	10,000	10,000	+10,000	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2009
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2010
(Amounts in thousands)

	FY 2009 Enacted	FY 2010 Request	Bill	Bill vs. Enacted	Bill vs. Request
10-SC-72 Renovate science laboratory, Phase II, BNL	---	7,000	7,000	+7,000	---
09-SC-72 Seismic life-safety, modernization and replacement of general purpose buildings					
Phase 2, PED/Construction, LBNL	12,495	34,027	34,027	+21,532	---
Emergency appropriation, P.L. 111-5	15,000	---	---	-15,000	---
09-SC-73, Interdisciplinary science building					
Phase 1, PED, BNL	8,240	39,387	39,387	+31,147	---
Emergency appropriation, P.L. 111-5	18,673	---	---	-18,673	---
09-SC-74, Technology and engineering development facilities PED, TJNAF	3,700	27,687	27,687	+23,987	---
08-SC-71 Modernization of laboratory facilities					
PED, ORNL	25,103	---	---	-25,103	---
Emergency appropriation, P.L. 111-5	60,568	---	---	-60,568	---
07-SC-05 Physical science facilities, PNNL	52,775	---	---	-52,775	---
03-SC-001 Science laboratories infrastructure					
MEL-001 Multiprogram energy laboratory infrastructure projects, various locations	11,759	---	---	-11,759	---
Subtotal, Construction	208,313	127,001	127,001	-81,312	---
Total, Science laboratories infrastructure	343,494	133,600	133,600	-209,894	---
Safeguards and security	80,603	83,000	83,000	+2,397	---
Science program direction:					
Headquarters	75,525	86,606	75,261	-264	-11,345
Office of Science and Technical Information	8,916	8,916	8,916	---	---

COMPARATIVE STATEMENT OF NEW BUDGET (OBLIGATIONAL) AUTHORITY FOR 2009
AND BUDGET REQUESTS AND AMOUNTS RECOMMENDED IN THE BILL FOR 2010
(Amounts in thousands)

	FY 2009 Enacted	FY 2010 Request	Bill	Bill vs. Enacted	Bill vs. Request
Emergency appropriation, P.L. 111-5	1,600	---	---	-1,600	---
Field offices	102,254	118,200	106,755	+4,501	-11,445
Total, Science program direction	188,295	213,722	190,932	+2,637	-22,790
Workforce development for teachers and scientists	13,583	20,678	20,678	+7,095	---
Emergency appropriation, P. L. 111-5	12,500	---	---	-12,500	---
Advanced Research Projects Agency - Energy (ARPA-E)	15,000	---	---	-15,000	---
Congressionally directed projects	93,687	---	37,740	-55,947	+37,740
Small business innovation research (SBIR)					
Emergency appropriation, P. L. 111-5	19,004	---	---	-19,004	---
Subtotal, SCIENCE	6,375,236	4,941,682	4,943,587	-1,431,649	+1,905
Use of prior year balances	-15,000	---	---	+15,000	---
Unallocated recovery act funding (Emergency appropriation, P.L. 111-5)	12,400	---	---	-12,400	---
TOTAL, SCIENCE	6,372,636	4,941,682	4,943,587	-1,429,049	+1,905
Appropriations	(4,772,636)	(4,941,682)	(4,943,587)	(+170,951)	(+1,905)
Emergency appropriations	(1,600,000)	---	---	(-1,600,000)	---
ENERGY TRANSFORMATION ACCELERATION FUND					
Advanced research projects agency - Energy (Emergency appropriation, P.L. 111-5)	398,000	---	---	-398,000	---

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