project is increased or decreased by more than $2,000,000 once during the fiscal year. The account control points for reprogramming are the Fast Flux Test Reactor Facility, West Valley Demonstration Project, Gaseous Diffusion Plants, Small Sites, and construction line-items. This reprogramming authority may not be used to initiate new programs or to change the funding levels for programs specifically denied, limited, or increased by Congress in the Act or statement. The Committees on Appropriations in the House and Senate must be notified within thirty days of the use of this reprogramming authority.

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The conference agreement provides $562,228,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning (UED&D) Fund. This amount includes $542,228,000 for decontamination and decommissioning activities at the gaseous diffusion plants and $20,000,000 for Title X uranium and thorium reimbursements. For the decontamination and decommissioning of the gaseous diffusion plants, the conferees provide $192,157,000 for Portsmouth, Ohio; $105,000,000 for Paducah, Kentucky; and $245,071,000 for East Tennessee Technology Park in Oak Ridge.

The conferees direct the Government Accountability Office (GAO) to investigate the contamination of phosgene at the gaseous diffusion plants.

SCIENCE

The conference agreement provides $3,632,718,000, instead of $3,666,055,000 as proposed by the House and $3,702,718,000 as proposed by the Senate. Specific funding allocations and earmarks proposed by the House and Senate are superceded by the allocations and earmarks listed in this joint explanatory statement.

High Energy Physics.—The conference agreement provides $723,933,000 for high energy physics research. The control level is at the High Energy Physics level. An additional $10,000,000 is provided for research on the international linear collider and for upgrades to the neutrino research program. The conferees support the DOE/NASA Joint Dark Energy Mission (JDEM) and encourage the Department to move JDEM forward aggressively to accomplish this important research.

Nuclear Physics.—The conference agreement provides $370,741,000 for nuclear physics research, including $2,000,000 of construction funds for project engineering and design of the electron beam ion source at Brookhaven National Laboratory (project 06–SC–02). The conferees support the Rare Isotope Accelerator (RIA) but are concerned that the Department does not seem to be making tangible progress toward realization of RIA. The conferees reiterate the reporting requirement, as outlined in Senate Report 109–84, for the Department to define a specific path forward on RIA. The conferees also recognize the importance of the 12 GeV upgrade of the Continuous Electron Beam Accelerator Facility at the Thomas Jefferson National Accelerator Facility and support initiation of project engineering and design within available funds.

Biological and Environmental Research.—The conference agreement includes $585,688,000 for biological and environmental research, an increase of $130,000,000 over the budget request. This increase is provided to fund Congressionally-directed projects as listed in the table below. Within available funds, the conferees direct the Department to provide an additional $3,500,000 for upgrades to instrumentation at the Environmental Molecular Sciences Laboratory (EMSL). The conferees support the development of the proposed Genomes to Life (GTL) facilities, and encourage the Department to budget for the first of these GTL facilities, for the production and characterization of proteins and molecular tags, in fiscal year 2007. The conferees encourage the Department to reduce the cost of the GTL facilities to accelerate deployment of all four proposed GTL centers. Due to the nature of this research, there is a need for all of the facilities to be deployed to meet the scientific challenge of molecular characterization. The conferees recommend that the Department conduct an open competition for the siting of these GTL facilities.

CONGRESSIONALLY DIRECTED OFFICE OF SCIENCE PROJECTS

Project		*Conference recommendation*
BER	Univ. of Alabama Dept. of Neurobiology to purchase a FMRI (AL)	$300,000
BER	Baylor University Lake Whitney Assessment (TX)	500,000
BER	SUNY IT Nano-Bio-Molecular Technical Incubator (NY)	750,000
BER	San Antonio Cancer Center (TX)	500,000
BER	University of South Alabama Cancer Research Institute (AL)	500,000
BER	Indiana Wesleyan University Marion for a registered nursing program (IN)	500,000
BER	Virginia Commonwealth University Massey Cancer Center (VA)	1,000,000
BER	Construction of new science facility at Bethel College (IN)	300,000
BER	University of Wyoming Coalbed Methane research center (WY)	500,000
BER	Hampton University Cancer Treatment Center (VA)	500,000
BER	George Mason University research against Biological Agents (VA)	1,000,000
BER	Lehigh University Critical Infrastructure Lab. (PA)	400,000
BER	St. Thomas University Minority Science center (FL)	400,000
BER	Seton Hall Science/Tech Center (NJ)	500,000
BER	Alvernia College for a Science and Health Building (PA)	500,000
BER	Institute for Advanced Learning Research Dansville (VA)	400,000
BER	Galileo Magnet High School Danville (VA)	100,000
BER	Washington & Jefferson science initiative (PA)	400,000
BER	Science building at Waubonsee Community College (IL)	2,000,000
BER	AVETeC data mamt.electronics and comm. NextEdge Tech.Park (OH)	3,000,000
BER	Duchenne Muscular Dystrophy research Univ. of Washington School of Med. (WA)	300,000
BER	Duchenne Muscular Dystrophy research Children's National Medical Ctr. (DC)	300,000
BER	Ohio State University for Earth University (OH)	300,000
BER	Northeast Regional Cancer Institute (PA)	300,000
BER	Centenary College laboratory (NJ)	500,000
BER	Construction of Science Center at Midwestern Univ. (IL)	300,000
BER	Univ. of Oklahoma Center Applications Single-Walled Nanotubes (OK)	1,000,000
BER	University of Connecticut live cell molecular imaging (CT)	300,000
BER	University of Central Florida for optics tech in X-Ray (FL)	700,000
BER	North Shore-Long Island Jewish Health System Breast Cancer Research (NY)	500,000
BER	Michigan Research Institute Life Science Research Center (MI)	1,350,000
BER	Univ. of Arizona Environmental and Natural Resources Phase II (AZ)	1,000,000
BER	Children's Hospital of Illinois (IL)	500,000

Project		Conference recommendation
BER	Research Equipment Coe College (IA)	300,000
BER	Loma Linda University Medical Center (CA)	2,000,000
BER	Triology Linear Accelerator at Owensboro Medical Health System (KY)	300,000
BER	Burpee Museum of Natural History (IL)	500,000
BER	Rockford Health Council (IL)	700,000
BER	Henry Mayo Hospital to purchase new equipment (CA)	400,000
BER	Washington State University Radio Chemistry (WA)	300,000
BER	Lapeer Regional Medical Center linear accelerator (MI)	300,000
BER	University of Nebraska at Kearney (NE)	400,000
BER	Science Media program at Ball State University (IN)	400,000
BER	Franklin and Marshall life science building (PA)	500,000
BER	Boulder City Hospital (NV)	300,000
BER	Grady Health system disaster preparedness center project (GA)	300,000
BER	Great Lakes Science Center (OH)	750,000
BER	Cleveland Clinic Brain Mapping (OH)	1,000,000
BER	Roswell Park Cancer Center (NY)	500,000
BER	St. Marys Cancer Center Long Beach (CA)	500,000
BER	National Polymer Center at the University of Akron (OH)	500,000
BER	Biological and Environmental Center at Mystic Aquarium (CT)	500,000
BER	Riverview Medical Center oncology program (NJ)	300,000
BER	Saratoga Hospital Radiation Therapy Center (NY)	750,000
BER	State University of New York-Delhi (NY)	750,000
BER	Kern Medical Center to purchase and install MRI machine (CA)	1,000,000
BER	Western Michigan University Geosciences Initiative (MI)	100,000
BER	Environmental System Center at Syracuse University (NY)	700,000
BER	SUNY-ESF Woody Biomass Project (NY)	700,000
BER	ORNL Supercomputer Connectivity NextEdge Technology Park (TN)	900,000
BER	Oliveit Nazarene University Science Lab (IL)	300,000
BER	Northern Virginia Comm. College training biotechnology workers (VA)	500,000
BER	Recording for the Blind and Dyslexic (FL)	500,000
BER	Eckerd College Science Center (FL)	500,000
BER	Notre Dame Ecological Genomics Research Institute (IN)	1,750,000
BER	Inland Water Environmental Institute (ID,WA,UT)	1,000,000
BER	St. Francis Science Center (IN)	250,000
BER	Medical Research and Robotics, University of Southern California (CA)	1,000,000
BER	Hampshire College National Center for Science Education (MA)	500,000
BER	Pioneer Valley Life Science Initiative Univ. of Massachusetts (MA)	750,000
BER	MidAmerica Nazarene Univ. nursing biological science program (KS)	750,000
BER	Westminster College Science Center (UT)	750,000
BER	City College of San Francisco-Health Related Equipment (CA)	750,000
BER	Science South Development (SC)	1,000,000
BER	St. Joseph Science Center (PA)	750,000
BER	University North Carolina Biomedical Imaging (NC)	750,000
BER	Augsburg College (MN)	1,000,000
BER	Morehouse School of Medicine (GA)	1,000,000
BER	Jersey City Medical Center (NJ)	1,000,000
BER	University of Rochester James P. Wilmot Cancer Center (NY)	1,000,000
BER	Bronx Community College Center for Sustainable Energy (NY)	1,000,000
BER	Texas A&M Lake Granbury and Bosque River Assesment (TX)	500,000
BER	Methodist College Environmental Simulation Research (NC)	500,000
BER	Brooklyn College Microscope and Imaging Center (NY)	750,000
BER	Warner Robins Air Logistics Center (GA)	750,000
BER	University of Chicago Comer Children's Hospital (IL)	1,000,000
BER	Martha's Vineyard Hospital (MA)	750,000
BER	Joint environmental stewardship at SUNY New Paltz and Ulster CC (NY)	750,000
BER	Central Arkansas Radiation Therapy Institute/Mountain Home (AR)	500,000
BER	Children's Hospital of Los Angles (CA)	750,000
BER	Wake Forest University Institute for Regenerative Medicine (NC)	750,000

Project		Conference recommendation
BER	Indianapolis Energy Conversion Institute (IN)	1,000,000
BER	Philadelphia Educational Advancement Alliance (PA)	450,000
BER	Barry University-Miami Shores (FL)	300,000
BER	Montgomery College Biotechnology Project (MD)	500,000
BER	Purdue Calument Water Institute (IN)	500,000
BER	University of Chicago Integrated Bioengineering Institute (IL)	750,000
BER	Mind Institute in New Mexico (NM)	11,000,000
BER	Mississippi State University Bio-fuel Application (MS)	1,000,000
BER	University of Louisville Institute for Advanced Materials (KY)	1,500,000
BER	Center for River Dynamics and Restoration at Utah State University (UT)	400,000
BER	Texas Metroplex Comprehensive Imaging Center (TX)	2,500,000
BER	Ultra Dense Memory Storage for Supercomputing in Colorado (CO)	1,000,000
BER	Health Sciences Research and Education Facility (MO)	1,500,000
BER	National Center for Regenerative Medicine (OH)	1,500,000
BER	U. of Alabama at Birmingham-Radiation Oncology Functional Imaging Program (AL)	1,000,000
BER	University City Science Park, Philadelphia (PA)	1,500,000
BER	Jackson State University Bioengineering Complex (MS)	2,000,000
BER	Regis University Science Building Renovation Project (CO)	800,000
BER	St. Jude's Children's Research Hospital (TN)	500,000
BER	California Hospital Medical Center PET/CT Fusion Imaging System (CA)	500,000
BER	Mount Sinai Medical Center Imaging and Surgical Equipment (FL)	1,000,000
BER	Benedictine University Science Lab & Research Equipment (IL)	350,000
BER	Swedish American Health Systems (IL)	350,000
BER	La Rabida Children's Hospital, Chicago (IL)	350,000
BER	Edward Hospital, Plainfield, IL (IL)	500,000
BER	Rush Medical Center (IL)	250,000
BER	Morgan State University Center for Environmental Toxicology (MD)	800,000
BER	Mt. Sinai Hospital Cardiac Catherization Lab (MD)	350,000
BER	U. of Mass. at Boston Multi-Disciplinary Research Facility & Library (MA)	500,000
BER	CIBS Solar Cell Development (NE)	400,000
BER	University Medical Center of S. Nevada Radiology/Oncology Equip. (NV)	1,000,000
BER	Pyramid Lake Paiute Tribe Energy Project (NV)	250,000
BER	University of Delaware Medical Research Facility (DE)	550,000
BER	St. Francis Hospital, Delaware Linear Accelerator (DE)	500,000
BER	Wastewater Pollution and Incinerator Plant in Auburn, NY (NY)	250,000
BER	South Nassau Hospital Green Building (NY)	1,500,000
BER	ViaHealth/Rochester General Hospital Emergency Department (NY)	400,000
BER	University of Vermont Functional MRI Research (VT)	400,000
BER	Vermont Institute of Natural Sciences (VT)	1,000,000
BER	Castleton State College Math and Science Center (VT)	2,000,000
BER	Nevada Cancer Institute (NV)	1,000,000
BER	Queen's Medical Center Telemedicine Project (HI)	500,000
BER	Michigan Technological University Fuel Cell Research (MI)	500,000
BER	St. Francis Hospital Escanaba, Michigan (MI)	250,000
BER	Sarcoma Alliance for Research through Collaboration (MI)	250,000
BER	Hackensack University Medical Center Green Building (NJ)	1,000,000
BER	Hackensack U. Medical Center Ambulatory Adult Cancer Center (NJ)	250,000
BER	College of New Jersey Genomic Analysis Facility (NJ)	250,000
BER	W. Michigan U. Expanded Energy & Natural Resources Learning Ctr (MI)	500,000
BER	Arnold Palmer Prostate Center (CA)	500,000
BER	LA Immersive Tech. Enterprise program at the U. of LA-Lafayette (LA)	400,000
BER	Brown University MRI Scanner (RI)	1,000,000
BER	University of Dubuque Environmental Science Center (IA)	700,000

Project		Conference recommendation
BER	New School University in New York City (NY)	500,000
BER	Oregon Nanoscience and Microbiologies Institute (OR)	400,000
BER	GeoHeat Center at the Oregon Renewable Energy Center (OR)	500,000
BER	Portland Center Stage Armory Theater Energy Conservation Project (OR)	500,000
BER	U. of Massachusetts Medical School NMR Spectrophotometer (MA)	250,000
BER	Mojave Bird Study (NV)	250,000
BER	Minnesota Center for Renewable Energy	500,000
BER	Science Center at Malby Nature Preserve in Minnesota (MN)	250,000
BER	Existing Business Enhancement Program Building, U. of N. Iowa (IA)	1,000,000
BER	Medical University of South Carolina (SC)	500,000
BER	Community College of Southern Nevada Transportation Academy (NV)	500,000
BER	South Dakota State University (SD)	1,000,000
BER	Univ. of Arkansas Cancer Research Center (AR)	1,000,000
BES	Altair Nanotech (NV)	2,500,000
MM	UCLA Institute for Molecular Medicine (CA)	7,000,000
MM	New York Structural Biology Center (NY)	750,000
BER	University of North Dakota Center for Biomass Utilization (ND)	1,000,000
BER	St. Joseph College, West Hartford alternative sources of energy dem.project (CT)	500,000
BER	Portland State University's Solar Photovoltaic Test Facility System (OR)	150,000
BER	Brockton Photovoltaic Initiative (MA)	100,000

Basic Energy Sciences.—The conferees provide $1,146,017,000 for basic energy sciences, the same as the budget request. The conference agreement includes $746,143,000 for materials sciences and engineering research, and $221,801,000 for chemical sciences, geosciences, and energy biosciences. All basic energy science construction projects are funded at the request level: $41,744,000 for the Spallation Neutron Source (99–E–334) at Oak Ridge National Laboratory; $2,544,000 for Title I and Title II design work (03–SC–002) and $83,000,000 to initiate construction (05–R–320) for the Linac Coherent Light Source at the Stanford Linear Accelerator Center; $36,553,000 for the Center for Functional Nanomaterials (05–R–321) at Brookhaven National Laboratory; $9,606,000 for the Molecular Foundry (04–R–313) at Lawrence Berkeley National Laboratory; and $4,626,000 for the Center for Integrated Nanotechnologies (03–R–313) at Los Alamos and Sandia National Laboratories. Also included at the request level is $7,280,000 for the Experimental Program to Stimulate Competitive Research (EPSCoR). Within available funds, the conferees encourage the Department to continue the purchase of fuel for the High Flux Isotope Reactor. The conferees note the recent CD–0 decision on the National Synchrotron Light Source-II at Brookhaven National Laboratory, and encourage the Department to fund expeditiously the project engineering and design for this facility.

Advanced Scientific Computing Research.—The conference agreement includes $237,055,000 for advanced scientific computing research, an increase of $30,000,000 over the budget request. This increase is provided to the Center for Computational Sciences to accelerate the efforts to develop a leadership-class supercomputer to meet scientific computational needs. Of this $30,000,000, $25,000,000 should be dedicated to hardware and $5,000,000 to competitive university research grants.

Science Laboratories Infrastructure.—The conferees provide a total of $42,105,000 for science laboratories infrastructure, an increase of $2,000,000 over the budget request. The additional funds are provided to complete project engineering and design and initiate construction for the 300 Area capability replacement laboratory at Pacific Northwest National Laboratory (project MEL–001–046). Within available funds, the conferees direct the Department to continue to make PILT payments associated with Argonne National Laboratory at the fiscal year 2005 level.

Fusion Energy Sciences.—The conferees provide $290,550,000 for fusion energy sciences, the same as the budget request. The conferees direct the Department to utilize $29,900,000 of funding proposed for ITER work in fiscal year 2006 to restore U.S.-based fusion funding to fiscal year 2005 levels as follows: $7,300,000 for high performance materials for fusion; $8,700,000 to restore operation of the three major user facilities to fiscal year 2005 operating levels; $7,200,000 for intense heavy ion beams and fast ignition studies; $5,100,000 for compact stellarators and small-scale experiments; and $1,600,000 for theory. As in previous years, the conferees direct the Department to fund the U.S. share of ITER in fiscal year 2007 through additional resources rather than through reductions to domestic fusion research or to other Office of Science programs. Within available funds, the conferees include $1,000,000 for non-defense research activities at the Atlas Pulse Power facility. In addition, the conferees direct the Government Accountability Office (GAO) to undertake a study of the Office of Science Fusion Energy Sciences program in order to define the role of the major domestic facilities in support of the ITER, including recommendations on the possible consolidation or focus of operations to maximize their research value in support of ITER. The GAO shall also evaluate the opportunities to leverage the National Nuclear Security Administration investment as an alternative to the tokamak concept.

Safeguards and Security.—The conference agreement includes $74,317,000 for safeguards and security, the same as the requested amount.

Science Workforce Development.—The conference agreement includes $7,192,000 for Science Workforce Development, the same as the budget request.

Science Program Direction.—The conferees provide $160,725,000 for Science Program Direction. The control level for fiscal year 2006 is at the program account level of Science Program Direction.

Funding Adjustments.—The conference agreement includes an offset of $5,605,000 for the safeguards and security charge for reimbursable work.

NUCLEAR WASTE DISPOSAL

The conference agreement provides $150,000,000 for Nuclear Waste Disposal. When combined with the $350,000,000 provided in the Defense Nuclear Waste Disposal account, this makes a total of $500,000,000 available in fiscal year 2006 for activities related to nuclear waste disposal.

Repository program.—During 2005, the Department was unable to complete the License Support Network and faced problems

DEPARTMENT OF ENERGY
(Amounts in thousands)

	Budget Request	Conference
NAVAL PETROLEUM AND OIL SHALE RESERVES	18,500	21,500
ELK HILLS SCHOOL LANDS FUNDS	84,000	84,000
STRATEGIC PETROLEUM RESERVE	166,000	166,000
ENERGY INFORMATION ADMINISTRATION	85,926	86,176
NON-DEFENSE ENVIRONMENTAL CLEANUP		
West Valley Demonstration Project	77,100	77,100
Gaseous Diffusion Plants	45,528	48,813
Depleted Uranium Hexafluoride Conversion, 02-U-101	85,803	85,803
Fast Flux Test Reactor Facility (WA)	46,113	46,113
Small Sites:		
Argonne National Lab	10,487	10,487
Brookhaven National Lab	34,328	34,328
Idaho National Lab	5,274	5,274
Consolidated Business Center:		
California Site support	100	100
Inhalation Toxicology Lab	305	305
Lawrence Berkeley National Lab	3,900	3,900
Stanford Linear Accelerator Center	3,500	3,500
Energy Technology Engineering Center	9,000	9,000
Los Alamos National Lab	490	490
Moab	28,006	28,006
Subtotal, small sites	95,390	95,390
TOTAL, NON-DEFENSE ENVIRONMENTAL CLEANUP	349,934	353,219
URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND		
Decontamination and decommissioning	571,498	542,228
Uranium/thorium reimbursement	20,000	20,000
SUBTOTAL, URANIUM ENRICHMENT D&D FUND	591,498	562,228
Uranium sales and barter (scorekeeping adjustment)	---	(3,000)
TOTAL, UED&D FUND/URANIUM INVENTORY CLEANUP	(591,498)	(565,228)
SCIENCE		
High energy physics		
Proton accelerator-based physics	387,093	392,093
Electron accelerator-based physics	132,822	132,822
Non-accelerator physics	38,589	38,589
Theoretical physics	49,103	49,103
Advanced technology R&D	106,326	111,326
Total, High energy physics	713,933	723,933
Nuclear physics	368,741	368,741
Construction		
06-SC-02 Project engineering and design (PED), Electron beam ion source, Brookhaven National Laboratory, Upton, NY	2,000	2,000
Total, Nuclear physics	370,741	370,741
Biological and environmental research	455,688	585,688

DEPARTMENT OF ENERGY
(Amounts in thousands)

	Budget Request	Conference
Basic energy sciences		
Research		
Materials sciences and engineering research	746,143	746,143
Chemical sciences, geosciences and energy biosciences	221,801	221,801
Subtotal, Research	967,944	967,944
Construction		
05-R-320 LINAC coherent light source (LCLS)	83,000	83,000
05-R-321 Center for functional nanomaterials (BNL)	36,553	36,553
04-R-313 The molecular foundry (LBNL)	9,606	9,606
03-SC-002 Project engineering & design (PED) SLAC	2,544	2,544
03-R-313 Center for Integrated Nanotechnology	4,626	4,626
99-E-334 Spallation neutron source (ORNL)	41,744	41,744
Subtotal, Construction	178,073	178,073
Total, Basic energy sciences	1,146,017	1,146,017
Advanced scientific computing research	207,055	237,055
Science laboratories infrastructure		
Laboratories facilities support		
Infrastructure support	1,520	1,520
General plant projects	3,000	3,000
Construction		
04-SC-001 Project engineering and design (PED), various locations	3,000	3,000
03-SC-001 Science laboratories infrastructure MEL-001 Multiprogram energy laboratory infrastructure projects, various locations	12,869	14,869
Subtotal, Construction	15,869	17,869
Subtotal, Laboratories facilities support	20,389	22,389
Oak Ridge landlord	5,079	5,079
Excess facilities disposal	14,637	14,637
Total, Science laboratories infrastructure	40,105	42,105
Fusion energy sciences program	290,550	290,550
Safeguards and security	74,317	74,317
Workforce development for teachers and scientists	7,192	7,192
Science program direction		
Field offices	92,593	91,593
Headquarters	70,132	69,132
Total, Science program direction	162,725	160,725
Subtotal, Science	3,468,323	3,638,323
Less security charge for reimbursable work	-5,605	-5,605
TOTAL, SCIENCE	3,462,718	3,632,718