Calendar No. 263

110TH CONGRESS *1st Session* | SENATE | REPORT 110–127

ENERGY AND WATER APPROPRIATIONS BILL, 2008

JULY 9, 2007.—Ordered to be printed

Mr. DORGAN, from the Committee on Appropriations, submitted the following

REPORT

[To accompany S. 1751]

The Committee on Appropriations reports the bill (S. 1751) making appropriations for energy and water development for the fiscal year ending September 30, 2008, and for other purposes, favorably thereon and recommends that the bill do pass.

Amount in new budget (obligational) authority, fiscal year 2008

Total of bill as reported to the Senate	$32,791,321,000
Amount of 2007 appropriations	[1] 32,562,190,000
Amount of 2008 budget estimate	30,887,838,000
Bill as recommended to Senate compared to—	
2007 appropriations	+229,131,000
2008 budget estimate	+1,903,483,000

[1] Includes Emergency Appropriations of $1,761,665,000.

36–482 PDF

CLEAN COAL TECHNOLOGY

(INCLUDING DEFERRAL AND RECISSION)

The Committee recommends the deferral of $149,000,000 in the Clean Coal Technology funding until fiscal year 2009. The Committee is aware that not all of the previously awarded projects have been successfully developed for a variety of reasons and available balances will not be used. The Committee recommends that the Department transfer $166,000,000 from the Clean Coal Technology account and apply $88,000,000 in funding to the FutureGen project, $73,000,000 in funding to the Clean Coal Power Initiative for the current competitive solicitation, and $5,000,000 in funding to the Fossil Energy Research and Development program.

FOSSIL ENERGY RESEARCH AND DEVELOPMENT

Appropriations, 2007	$592,621,000
Budget estimate, 2008	566,801,000
Committee recommendation	808,113,000

The Committee recommendation for Fossil Energy Research and Development is $808,113,000 an increase of $215,492,000 above the request.

The Committee is concerned with the reduction in the fossil energy research and development activities proposed as part of this budget. In 2005, the Congress passed and the President signed the Energy Policy Act of 2005. This legislation provided incentives to support the deployment of clean coal technology that would provide reliable domestic energy supply and the potential to diversify our transportation fuel supply. The Department is challenged with developing new technology that will support the continued deployment of coal through affordable and environmentally sound generating facilities, while creating opportunities for production of hydrogen and other coal technologies. The Committee has provided additional funding to sustain technology development and to send a clear message to the administration that the Congress is serious about making a long-term investment in fossil energy.

Clean Coal Power Initiative.—The Committee recommends $88,000,000. The Committee is frustrated by the remarkably low level of funding provided to this initiative which demonstrates advanced coal technologies including carbon sequestration, emission control and other co-production opportunities. The budget only provided $15,000,000 in new funding in addition to the $58,000,000 transferred from the Clean Coal Technology account. The Committee is aware that the Department has announced a new solicitation for the Clean Coal Power Initiative for the capture of carbon dioxide for sequestration or other beneficial uses. However, the Committee strongly urges the Department to select projects after September 30, 2008, so that sufficient funding will be available to award projects that will result in significant technological impact. Funds previously awarded for the WMPI project selected under DOE solicitation DE–PS26–02NT41428 shall remain available for obligation to the project provided that a cooperative agreement is awarded not later than September 30, 2008. $100 million

FutureGen.—The Committee understands and recognizes the potential value of the FutureGen project. However, the Committee is concerned about maintaining adequate funding for the core fossil energy research, development, and demonstration programs. The Committee has emphatically stated its intent, and has warned that this R&D project must not be funded at the expense of the balance of the core coal R&D program. Yet the administration has continued to ignore congressional intent and has eliminated or decreased funding for other core coal programs. Therefore, the Committee provides $88,000,000 for the FutureGen project. This is $20,000,000 less than the budget request, but $34,000,000 more than was provided in fiscal year 2007.

Fuels and Power Systems.—The Committee recommends $374,025,000 for fuels and power systems, an increase of $128,423,000. The recommendation includes $34,000,000 for Innovations for Existing Plants. Because carbon capture from existing plants is a substantial ongoing challenge to the existing fleet, the Innovations for Existing Plants program is directed to consider carbon capture as a future focus of this program. Included in Innovations for Existing Plants is $12,000,000 for Federal laboratories, in collaboration with research institutions, to conduct research and development on the critical link between water and fossil energy extraction and utilization and how different regions of the country can employ water efficiency technology. The Committee recommends $55,000,000 for the Advanced Integrated Gasification Combined Cycle activities and $25,000,000 for Advanced Turbines. The Committee recommends $132,000,000 for Carbon Sequestration activities. The Committee believes that carbon capture and sequestration must be accelerated while also advancing other important related coal research and development activities. The Committee urges the Department to continue to support the carbon sequestration demonstration projects authorized in the Energy Policy Act of 2005, including section 413 of Public Law 109–58. Additional funds are needed for the Regional Partnerships to expand to field and large-scale injection in various geologic formations. The Committee encourages the Department to develop and validate a science-based, site-specific risk assessment framework based on appropriate field observations from pilot injections and analog sites, including both short-term and long-term risks; this framework should serve as a common resource for assessing large-scale demonstrations and storage efforts. The Committee recommends $10,000,000 within the available funds to support this report. Within available funds for Carbon Sequestration, the Committee encourages the program to study CO_2 accelerated growth algae technology to recycle carbon and produce fuels. The Committee recommends $30,000,000 for Fuels to support both fuels from coal liquids and hydrogen. Within available funds for Fuels, the Committee recommendation includes $10,000,000 to initiate an integrated coal and biomass research activity to address carbon emissions and technology barrier issues. The Committee recommends $65,025,000 for Fuel Cell Research. Within available funds for Fuel Cell Research, $5,000,000 is available for the manufacturing initiative for coal-based systems. The Committee recommends $33,000,000 for Advanced Research. Within available funds for Ad-

vanced Research, the Committee recommendation includes $5,000,000 for computational energy sciences.

Natural Gas Technology.—The Committee recommendation includes $20,000,000. Of this amount, $15,000,000 is provided for methane hydrates, and $5,000,000 for research in developing technology solutions to minimize the impact, or develop treatment technologies for produced water as a by-product of natural gas production.

Oil Technology.—The Committee recommends $10,000,000. Within the available funds, the Committee provides $1,500,000 to continue support for the Risk Based Management System, a nationwide database for oil and gas regulations and technology developments. The Committee recommends the continuation of the stripper well program.

Program Direction.—The Committee recommends $149,962,000 for Program Direction.

Other Programs.—The Committee recommends $16,570,000 for fossil energy environmental restoration. The increase of $7,000,000 is to carryout research authorized in section 964 of EPACT 2005 that supports research in advanced coal mining recovery and to minimize the environmental impacts associated with underground mining. The Committee recommendation is $656,000 for the special recruitment program. The Committee recommendation for plant and capital equipment is $13,000,000. The Committee recommendation for cooperative research and development is $8,000,000.

Congressionally Directed Projects.—The Committee recommendation includes the following congressionally directed projects, within available funds for the purposes of research, development, and demonstration of fossil energy related technologies or programs. The Committee reminds recipients that statutory cost sharing requirements may apply to these projects.

COMMITTEE DIRECTED FOSSIL ENERGY RESEARCH AND DEVELOPMENT PROJECTS

Project	Committee recommendation	Requested by
Colorado School of Mines, Golden, CO, Colorado Center for Sustainable Energy at the Colorado School of Mines.	$1,000,000	Salazar, Allard
North Dakota Energy and Environment Research Center, Grand Forks, ND, Fossil Fuel Cooperative Research & Development.	4,000,000	Dorgan
Ramgen, Bellevue, WA, CO2 compression initiative utilizing shockwave/ramjet compression technology.	1,200,000	Murray
Sparks, NV, City of Sparks Methane Reclamation project	1,000,000	Reid
US/China Energy and Environmental Center, Clean Coal Technologies, Tulene University, Louisiana.	1,200,000	Landrieu
North Dakota Energy and Environment Research Center, Grand Forks, ND, National Center for Hydrogen Technology.	3,000,000	Dorgan
West Virginia University, Advanced coal technology (liquefaction) in China	350,000	Byrd
Center for Zero Emissions Technology, Montana State University, Clean Coal Technologies.	6,000,000	Baucus, Tester
Interdisciplinary Clean Energy Program at the University of Utah, Utah	3,500,000	Bennett
Shallow Carbon Sequestration Pilot Demonstration, Missouri	2,500,000	Bond
Gulf of Mexico Hydrates Research Consortium at the University of Mississippi, MS.	1,000,000	Cochran
Membrane Technology for Produced Water at Lea County, New Mexico	1,500,000	Domenici
Carbon Sequestration Monitoring Activities, Wyoming	1,650,000	Enzi
Penn State University, Solid Oxide Fuel Cells, Pennsylvania	4,000,000	Specter
Arctic Energy Office, Alaska	7,000,000	Stevens

Through the Naval Reactors program, the National Nuclear Security Administration is working to provide the U.S. Navy with nuclear propulsion plants that are capable of responding to the challenges of 21st century security concerns. The Committee recommends $808,219,000 for the Naval Reactors program.

OFFICE OF THE ADMINISTRATOR

Appropriations, 2007	$340,291,000
Budget estimate, 2008	394,656,000
Committee recommendation	394,656,000

The Committee recommends $394,656,000 for the Office of the Administrator, the same as the President's request.

ENVIRONMENTAL AND OTHER DEFENSE ACTIVITIES

DEFENSE ENVIRONMENTAL CLEANUP

Appropriations, 2007	$5,731,839,000
Budget estimate, 2008	5,363,905,000
Committee recommendation	5,690,380,000

For Defense Environmental Cleanup, the Committee provides $5,690,380,000, an increase of $326,475,000 above the President's request. This total includes $10,000,000 for Hazardous Waste Worker Training. The Committee recognizes the program's focus on project management and encourages the program to continue its disciplined approach to managing its projects under the Department's Project Management Order (DOE Order 413). Using this process, 73 percent (in terms of dollar value) of all near-term project baselines have been validated, and 96 percent of those baselines are operating within an acceptable performance range (plus or minus 10 percent). However, the program is only requesting sufficient funding to provide a 50 percent confidence that the objectives (cost, scope, and schedule) of its projects will remain unchanged. The Department's effort to complete clean up in the future will be challenged by the failure to request sufficient funding. More importantly, it is not enough to simply fund projects that have the greatest perceived reduction to public risk; the Department committed to the public that it would meet regulatory agreements too. The Committee expects future funding requests to include sufficient funding to meet that commitment.

Recently, the Office of Envirenmental Management's Leadership determined that a number of activities that were directed by the Congress in the past have merit, benefiting the cleanup program as well as the taxpayer. Activities such as the historic preservation activities related to the Manhattan Project sites, the Self-Reliance Foundation/Hispanic Communications Network, the Diagnostic Instrumentation and Analysis Laboratory, and the Western Environmental Technology Office have now been incorporated into the fabric of the EM Cleanup program. The Committee recognizes that this determination came too late to be included in the fiscal year 2008 request, but will be supported within available funds. The Committee expects these meritorious activities to be supported in fiscal year 2009 and future budgets.

$5,250,000

Hanford Site.—The Committee includes $950,376,000, a total of $73,296,000 above the budget request. The Committee recommendation includes an increase of $23,000,000 for solid waste activities, $19,400,000 for soil remediation in the Central Plateau (U Plant & BC Cribs), Plutonium-Uranium Extraction Facility remedial investigation/feasibility study to meet Tri-Party Agreement milestones, $23,000,000 for the River Corridor Closure project to meet near-term milestones and continue the deactivation of critical facilities to meet mid-term compliance milestones, and the transfer and combination of $471,000 from the Office of River Protection to the Hanford Office for Community and Regulatory Support. The Committee also recognizes that the program has determined the Hazardous Materials Management and Emergency Response [HAMMER] facility has merit to the needs of the cleanup program and is included in the Hanford budget. The program should separately provide funding for this activity in its fiscal year 2009 request. #5,500,000

Office of River Protection.—The Committee is frustrated that the Department of Energy continues to request inadequate funds for Tank Farm Activities. The safe operation of the tank farms, retrieval of waste and the closure of the tank farms is an increasingly important activity as the underground storage tanks are past their planned life expectancy. Additionally, DOE has selected a supplemental treatment technology as part of its overall treatment plan for low-activity waste but has requested no funds for the demonstration project for the past 2 years. The delay of the Waste Treatment Plant highlights the need to test, evaluate, and ultimately deploy alternatives for treatment of liquid tank waste instead of relying solely on one solution. To support a robust program the Committee provides an additional $53,000,000 for the Tank Farm Activities. Funding at this level will keep an experienced, well-trained workforce on the job, achieving real cleanup results. The Committee also transfers $471,000 from the Office of River Protection to the Hanford Office to consolidate the Community and Regulatory Support function in one place. The total for the Tank Farm Activities is $325,972,000. The Committee includes $690,000,000 for the Waste Treatment and Immobilization Plant [WTP], bringing the site total to $1,015,972,000. A significant factor in establishing an annual funding level of $690,000,000 for this project was to moderate the Federal budget impact of significant year-to-year swings in actual construction costs by allowing for carryover of excess funds in years with lower costs to years where costs rise above the appropriation. Continued support for this funding level will provide both solutions to identified problems with the project as well as ramp up in construction.

Idaho Cleanup Project.—The Committee recommends $532,926,000, an increase of $28,900,000. The increase supports shipping legacy mixed low-level waste offsite for disposal at the Nevada Test Site; plant and equipment upgrades that will permit Advanced Mixed Waste Treatment Plant to operate at capacity to meet Settlement Agreement milestones; and completion of the remote handled-transuranic waste shipments to the Waste Isolation Pilot Plant by the end of fiscal year 2008 to meet its operational

requirements (to emplace remote-handled waste prior to emplacing contact-handled waste in disposal rooms).

NNSA Sites.—The Committee recommendation is $361,663,000, a total of $90,533,000 above the request. The Committee recommends $222,000,000 for cleanup at Los Alamos National Laboratory, $82,533,000 above the request, of which $5,000,000 is to support environmental impact studies and environmental remediation to support land transfer activities from the Los Alamos National Laboratory to Los Alamos County. The increase is necessary to prevent the site from missing agreed upon cleanup milestones in fiscal year 2008, and will also enable the laboratory to undertake the necessary predatory work necessary to remain on schedule for fiscal year 2009. The Committee also provides $8,000,000 above the request of $81,106,000 for characterization and certification of remaining transuranic waste stored at Nevada for disposal at the Waste Isolation Pilot Plant. The Committees also includes $8,680,000 for Lawrence Livermore National Laboratory, $1,511,000 for the NNSA Service Center, $27,585,000 for the Separations Process Research Unit, $12,411,000 for Pantex, and $370,000 for California Site Support, all as requested.

Oak Ridge Reservation.—The recommendation is $179,284,000, the same as the budget request.

Savannah River Site.—The Committee includes $1,200,090,000. Within the recommendation, the Committee provides $311,811,000 for the nuclear materials stabilization and disposition activity, the same as the budget request.

Waste Isolation Pilot Plant [WIPP].—The recommendation is $250,739,000, an increase of $31,000,000 above the requested amount. The increase provides for equipment to maintain operational reliability, assurance of transuranic waste receipts at an average rate of 21 contact- and 5 remote-handled shipments per week, procurement of TRUPACT III shipping casks for large containers, and finally, monitoring and plugging of wells. The remaining funds are for Carlsbad educational support, infrastructure improvements resulting from of operations at WIPP and for construction of the WIPP digital records center, activities the Program found meritorious enough to support in fiscal year 2007. #5,500,000

Program Direction.—The Committee includes $309,760,000, consistent with the requested amount.

Program Support.—The Committee includes $41,946,000.

Safeguards and Security.—The Committee recommends $273,581,000, an increase of $200,000, which is for WIPP.

Technology Development and Deployment.—The Committee provides $55,106,000, which provides for additional research and development for High Level Waste retrieval, pretreatment and immobilization, and decontamination and decommissioning activities designed to reduce long-term costs.

The Committee recommendation includes the following congressionally directed projects, within available funds. The Committee reminds recipients that statutory cost sharing requirements may apply to these projects. $3,000,000 is provided to the University of Nevada, Reno, Department of Civil and Environmental Engineering, for continued expansion of the James E. Rogers and Louis Weiner Jr. Large-Scale Structures Laboratory (Reid); $3,475,000 is

110TH CONGRESS
1st Session

HOUSE OF REPRESENTATIVES

CONSOLIDATED APPROPRIATIONS ACT, 2008

COMMITTEE PRINT

of the

COMMITTEE ON APPROPRIATIONS
U.S. HOUSE OF REPRESENTATIVES

on

H.R. 2764 / Public Law 110–161

[Legislative Text and Explanatory Statement]

BOOK 1 OF 2—DIVISIONS A–F

JANUARY 2008

39–564

[House Appropriations Committee Print]

Consolidated Appropriations Act, 2008
(H.R. 2764; Public Law 110–161)

DIVISION C—ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2008

The amended bill includes a provision regarding the Southern California Desert Region Integrated Water and Economic Sustainability Plan.

The amended bill does not include a provision proposed by the Senate concerning operations of the Tularosa Basin National Desalination Research Facility.

TITLE III

DEPARTMENT OF ENERGY

The summary tables at the end of this title set forth the amended bill with respect to the individual appropriations, programs, and activities of the Department of Energy. Additional items in the amended bill are discussed below.

The allocations for specific projects and earmarks that were proposed in the separate House and Senate reports are superseded by the detailed allocations contained herein. Other programmatic guidance and reporting requirements identified in the separate House and Senate reports remain effective unless modified by this explanatory statement.

The amended bill provides $24,675,025,000 for the Department of Energy in fiscal year 2008 to fund programs in its five primary mission areas: science, energy, environment, nuclear non-proliferation and national security, instead of $25,243,119,000 as proposed by the House and $25,897,985,000 as proposed by the Senate.

PROJECT MANAGEMENT

The Department of Energy is directed to manage all projects in excess of $100,000,000 total cost in full compliance with DOE Management Order 413.3A.

REPROGRAMMING REQUIREMENTS

The Department of Energy is directed to operate in a manner fully consistent with the following reprogramming guidelines. A reprogramming request must be submitted to the Committees on Appropriations for consideration before any implementation of a reorganization proposal which includes moving previous appropriations between appropriation accounts. The Department is directed to inform the Committees promptly and fully when a change in program execution and funding is required during the fiscal year. To assist the Department in this effort, the following guidance is provided for programs and activities funded in the Energy and Water Development and Related Agencies Appropriations Act. The Department is directed to follow this guidance for all programs and activities unless specific reprogramming guidance is provided for a program or activity.

Definition.—A reprogramming includes the reallocation of funds from one activity to another within an appropriation, or any significant departure from a program, project, activity, or organization described in the agency's budget justification as presented to and approved by Congress. For construction projects, a reprogramming constitutes the reallocation of funds from one construction project

identified in the justifications to another project or a significant change in the scope of an approved project.

Any reallocation of new or prior year budget authority or prior year deobligations must be submitted to the Committees in writing and may not be implemented prior to approval by the Committees on Appropriations.

ENERGY EFFICIENCY AND RENEWABLE ENERGY

The amended bill provides $1,739,541,000 for Energy Efficiency and Renewable Energy (EERE) programs, instead of $1,873,844,000 as proposed by the House, and $1,715,551,000 as proposed by the Senate.

Hydrogen Technology.—Funding under this heading in the amended bill includes $213,000,000 for hydrogen technology, the same as the budget request. Within available funds, the Department is directed to fund research on solid oxide fuel cells for small-to-medium scale applications.

Biomass and Biorefinery Systems R&D.—Funding under this heading in the amended bill includes $200,000,000 for integrated research and development on biomass and biorefinery systems, an increase of $20,737,000 over the budget request for additional biomass research solicitations. The Department is directed to include algae as a potential feedstock in its biomass research and development.

Solar Energy.—Funding under this heading in the amended bill provides $170,000,000 for solar energy systems, an increase of $21,696,000 over the budget request, to include $138,000,000 for photovoltaic (PV) energy systems, $30,000,000 for concentrating solar power, and $2,000,000 for solar heating and lighting. The agency should, within available funds, accelerate the development and adoption of a solar PV rating system, and the demonstration of thermo-chemical processes in conjunction with high-temperature solar facilities for hydrogen production.

Wind Energy.—Funding under this heading in the amended bill includes $50,000,000 for wind energy systems, an increase of $9,931,000 over the budget request. The increase is to support integration of wind power and other renewable sources into the electricity grid.

Geothermal Technology.—Funding under this heading in the amended bill includes $20,000,000, an increase of $20,000,000 over the budget request, for deployment of large-scale enhanced geothermal systems, to include accelerating the development of subsurface technologies, including geological and geophysical data collection and synthesis.

Water Power Energy R&D.—Funding under this heading in the amended bill provides $10,000,000, an increase of $10,000,000 over the budget request, for research on conventional hydropower technologies and innovative waterpower technologies, such as thermal and wave technologies, for ocean, tidal and instream-based generation.

Vehicle Technologies.—Funding under this heading in the amended bill provides $215,000,000 for vehicle technologies, an increase of $38,862,000 over the budget request, to include $95,000,000 for hybrid electric systems, an increase of $14,336,000

over the request for advanced battery storage technology research, development and demonstration for electric, hybrid-electric and plug-in hybrid vehicles. The Department is directed to fund $45,000,000 for advanced combustion engine research and development, $40,000,000 for materials technology, $18,000,000 for fuels technology, and $17,000,000 for technology integration. The agency should within available funds competitively bid an award for the Advanced Vehicle Testing Activity within the FreedomCAR and Vehicle Technologies Program to independently test and evaluate all vehicles developed in the upcoming plug-in hybrid electric vehicle demonstration. The Appropriations Committees support the lightweight materials technology research and development on advanced high-strength steels to reduce the weight of commercial and passenger vehicles.

Building Technologies.—Funding under this heading in the amended bill provides $110,000,000 for building technologies, an increase of $23,544,000 over the budget request. The Department is directed to fund $10,000,000 of this increase for the residential and commercial building technologies program, $5,000,000 for solid state lighting, and $8,544,000 for equipment standards and analysis.

Industrial Technologies.—Funding under this heading in the amended bill includes $65,000,000 for industrial technologies, an increase of $19,002,000 over the budget request. The Office of EERE should reconstitute a distributed energy research and development program, and direct $10,000,000 of the increase for the advanced reciprocating engines system program and $5,000,000 for the combined heat and power program. The agency should, within available funds, provide no less than $3,700,000 for steel in the industries (specific) program, and $3,000,000 for the information technology industry, from chip scale to data centers.

Federal Energy Management Programs.—Funding under this heading in the amended bill provides $20,000,000 for the Federal Energy Management Programs, an increase of $3,209,000 over the budget request.

Facilities and Infrastructure.—Funding under this heading in the amended bill provides $76,876,000 for the renewable energy Facilities and Infrastructure account, an increase of $69,144,000 over the budget request. This amount includes $6,982,000 for operations and maintenance of the National Renewable Energy Laboratory (NREL) in Golden, Colorado, the same as the budget request, an increase of $6,894,000 for South Table Mountain infrastructure, an increase of $8,000,000 for NREL solar equipment recapitalization, and an increase of $55,000,000 to begin the NREL Energy Systems Integration Facility.

Program Support.—Funding under this heading in the amended bill provides $10,900,000 for Program Support, a decrease of $2,381,000 below the budget request, but the same as fiscal year 2007 levels. Within available funds, the Office of EERE should establish a FACA-chartered Federal Advisory Council to advise the Office of EERE for Finance, Investment and Technology Deployment.

Program Direction.—Funding under this heading in the amended bill provides $105,013,000 for Program Direction, the same as the budget request.

Federal Energy Assistance Programs.—Funding under this heading in the amended bill provides a total of $473,752,000 for federal energy assistance programs, instead of $314,947,000 as proposed by the House and $398,575,000 as proposed by the Senate. The details of these accounts are as follows:

Weatherization Assistance.—Funding under this heading in the amended bill provides $224,758,000 for weatherization assistance program grants, an increase of $85,308,000 over the budget request, and $4,550,000 for training and technical assistance, the same as the budget request. The funds provided for federal technical assistance and training are intended to be used exclusively to support the effective delivery of weatherization services as set forth in statute and applicable regulations. Any change in program implementation should be proposed to Congress in the Department's budget submission and not implemented before congressional approval is obtained.

International Renewable Energy Program.—No funds are provided for the International Renewable Energy Program, the same as the budget request.

Asia Pacific Initiative.—No funds are provided for the Asia Pacific Initiative, a decrease of $7,500,000 below the budget request.

Tribal Energy Activities.—Funding under this heading in the amended bill provides $6,000,000 for tribal energy activities, an increase of $3,043,000 over the budget request for additional tribal energy projects.

Renewable Energy Production Incentive.—Funding under this heading in the amended bill provides $5,000,000 for the Renewable Energy Production Incentive, an increase of $54,000 over the budget request.

State Energy Program.—Funding under this heading in the amended bill provides $44,500,000 for the State Energy Program, a decrease of $1,001,000 below the budget request, to include $10,000,000 for competitive energy projects.

Congressionally Directed Projects.—Funding under this heading in the amended bill provides $188,944,000 for Congressionally directed projects, for the purposes of research, development, and demonstration of energy efficiency or renewable energy technologies or programs. The agency should remind recipients that statutory cost sharing requirements may apply to these projects. The fiscal year 2006 Energy and Water Development Conference Report (P.L. 109–103), included language within the Wind Energy program of Energy Efficiency and Renewable Energy account directing $750,000 for the Tower Power Project. Because the project did not come to fruition, the agency should redirect the remaining $742,500 of prior funds from the Tower Power Project to fund the University of Maryland Energy Research Center.

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT	
ADVANCED GREEN DESIGN FOR MUSEUM OF NATURAL HISTORY (MN)	$800,000
ADVANCING TEXAS BIOFUEL PRODUCTION (TX)	500,000
AFFORDABLE, ENERGY EFFICIENT, SELF HELP HOUSING (MS)	300,000
ALTERNATE FUEL CELL MEMBRANES FOR ENERGY INDEPENDENCE AT USM (MS)	1,000,000
ALTERNATE FUEL FOR CEMENT PROCESSING AT AUBURN UNIVERSITY (AL)	1,500,000
ALTERNATIVE BIOFUEL INFRASTRUCTURE IN CENTRAL GEORGIA (GA)	350,000
ALTERNATIVE ENERGY GEOTHERMAL TECHNOLOGY DEMONSTRATION PROGRAM (NY)	300,000
ALTERNATIVE ENERGY WORKFORCE APPLICATIONS TRAINING PROGRAM (OH)	832,000
APPALACHIAN STATE UNIVERSITY BIOFUELS AND BIOMASS RESEARCH INITIATIVE (NC)	300,000
ARKANSAS STATE UNIVERSITY ETHANOL FUEL DEVELOPMENT (AR)	1,500,000
AUBURN, NY, AUBURN REGIONAL BIOENERGY ENTERPRISE (NY)	500,000
BIODIESEL INJECTION BLENDING FACILITIES (PA)	750,000
BIOENERGY COOPERATIVE ETHANOL BIOMASS FUEL PLANT (IN)	1,500,000
BIOETHANOL COLLABORATIVE (SC)	1,000,000
BIOFUEL PRODUCTION INITIATIVE CLAFLIN (SC)	500,000
BIOFUELS DEVELOPMENT AT TEXAS A&M (TX)	1,000,000
BIOREFINING FOR ENERGY SECURITY AT OHIO UNIVERSITY - LANCASTER (OH)	1,000,000
BIPOLAR WAFER CELL NIMH LITHIUM ION BATTERY (CT)	1,000,000
BUILDING MATERIALS RECLAMATION PROGRAM (NC)	500,000
BUILDING-INTEGRATED PHOTOVOLTAIC SOLAR ENERGY SYSTEM (PA)	300,000
CASPER COLLEGE RENEWABLE ENERGY PROGRAM (WY)	300,000
CENTER FOR ADVANCED VEHICULAR SYSTEMS (CAVS) AT MSU (MS)	4,000,000
CENTER FOR ENERGY EFFICIENT DESIGN (VA)	200,000
CENTER FOR PRODUCER-OWNED ENERGY (MN)	1,000,000
CENTER FOR RENEWABLE ENERGY, SCIENCE, AND TECHNOLOGY (TX)	1,000,000
CHARITON VALLEY R.C.&D., CHARITON VALLEY BIOMASS FOR RURAL DEVELOPMENT (IA)	500,000
CHAUTAUQUA COUNTY - METHANE GAS UTILIZATION PROJECT FROM LANDFILL AT ELLERY (NY)	500,000
CITY OF CHULA VISTA - ALTERNATIVE FUELS PILOT PROJECT (CA)	750,000
CLEAN AND EFFICIENT DIESEL LOCOMOTIVE (PA)	1,000,000
CLEAN POWER ENERGY RESEARCH CONSORTIUM - NICHOLLS STATE UNIVERSITY (LA)	1,000,000
CLOSED LOOP SHORT ROTATION WOODY BIOMASS (NY)	500,000
CLOUD COUNTY COMMUNITY COLLEGE WIND TURBINE (KS)	1,000,000
COASTAL WIND OHIO (OH)	600,000
COMPACT MEMBRANE SYSTEMS, INC., WILMINGTON, DE, DEVELOPMENT OF APPLIED MEMBRANE TECHNOLOGY FOR PROCESSING ETHANOL FROM BIOMASS (DE)	500,000
CONDUCTIVE, TRANSPARENT COATINGS SOLAR CELL RESEARCH PROJECT (MA)	2,000,000
CONNECTICUT BIODIESEL POWER GENERATOR	750,000
CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH (GA)	4,000,000
COOLING, HEATING, AND POWER (CHP) AT MSU (MS)	2,000,000
COSTILLA COUNTY, CO, AND COSTILLA COUNTY ECONOMIC DEVELOPMENT COUNCIL, INC. BIODIESEL PROJECT (CO)	275,000
COUNCIL OF ENERGY RESOURCE TRIBES, DENVER (CO)	500,000
CU-ICAR HYDROGEN INFRASTRUCTURE (SC)	850,000
DAKOTA GOLD RESEARCH ASSOCIATION, SIOUX FALLS, SD, BIOMASS (SD)	1,500,000
DBS ENERGY, INC., GLASTONBURY CT, CONNECTICUT BIOFUELS TECHNOLOGY PROJECT IN SUFFIELD (CT)	1,000,000
DEPARTMENT OF ENERGY'S CLEAN ENERGY TECHNOLOGY EXPORT PROGRAM (CETE), TO EXPORT U.S. CLEAN ENERGY TECHNOLOGIES	600,000
DRIFTLESS AREA INITIATIVE (IL, IA, MN & WI)	618,000
ENERGY AND SUSTAINABILITY INSTITUTE, ILLINOIS INSTITUTE OF TECHNOLOGY (IL)	250,000
ENERGY EFFICIENT PRESS AND SINTER OF TITANIUM POWDER (IL)	500,000
FIRST RESPONDER "GREEN" HOUSE (NY)	100,000

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT	
FLORIDA RENEWABLE ENERGY PROGRAM (FL)	750,000
FOSTER-GLOCESTER REGIONAL SCHOOL DISTRICT, RI, PONAGANSET ALTERNATIVE ENERGY LAB AND BIOMASS FACILITIES PROJECT (RI)	1,000,000
FUEL CELLS FOR HIGH ALTITUDE AIRSHIP (OH)	800,000
GREAT LAKES ENERGY RESEARCH PARK, MICHIGAN (MI)	500,000
GREAT PLAINS WIND POWER TEST FACILITY - TEXAS TECH UNIVERSITY (TX)	2,000,000
GREEN ENERGY, ARTS & EDUCATION CENTER (NY)	500,000
GREEN ROOF PROJECT SOUTHWEST BROOKLYN (NY)	250,000
GREEN VISITOR CENTER, BROOKLYN BOTANIC GARDEN (NY)	600,000
GREENFIELD COMMUNITY COLLEGE - SUSTAINABLE ENERGY MODEL (MA)	400,000
HAWAII NATURAL ENERGY INSTITUTE, HONOLULU, HA, HAWAII-NEW MEXICO SUSTAINABLE ENERGY SECURITY PARTNERSHIP (HI)	2,000,000
HIGH EFFICIENCY CASCADE SOLAR CELLS (NM)	1,000,000
HIGH ENERGY BATTERIES FOR HYBRID BUSES (IN)	1,000,000
HYBRID HYDRAULIC DRIVETRAIN DEMONSTRATION (OH)	2,000,000
HYDRO PARTNERS IN BRAZIL (OH)	1,000,000
HYDROGEN ENERGY PRODUCTION AND STORAGE - PHASE IV (OH)	1,000,000
HYDROGEN FUEL CELL DEVELOPMENT IN COLUMBIA, SC (SC)	1,500,000
ILLINOIS STATE UNIVERSITY BIOMASS RESEARCH (IL)	500,000
INTEGRATED BIOMASS REFINING INSTITUTE AT NORTH CAROLINA STATE UNIVERSITY (NC)	1,000,000
INTERMEDIARY BIOCHEMICALS (MI)	250,000
IOWA CENTRAL COMMUNITY COLLEGE RENEWABLE FUELS LAB (IA)	1,000,000
JACKSON PARK HOSPITAL GREEN MEDICAL OFFICE BUILDING (IL)	1,000,000
JEFFERSON COUNTY BIOENERGY INITIATIVE (CO)	500,000
JUNIATA ULTRA LOW EMISSION LOCOMOTIVE DEMONSTRATOR (PA)	600,000
KANSAS CITY AREA TRANSPORTATION AUTHORITY, DEMONSTRATION OF PLUG-IN VEHICLES, KANSAS (KY)	1,000,000
KENTUCKY RURAL ENERGY CONSORTIUM AT THE UNIVERSITY OF LOUISVILLE (KY)	2,000,000
KING COUNTY BIOGAS AND NUTRIENT REDUCTION PROJECT (WA)	500,000
KOOCHICHING COUNTY, RENEWABLE ENERGY CLEAN AIR PROJECT (RECAP), PLASMA GASIFICATION WASTE-TO-ENERGY PROJECT (MN)	400,000
KOTZEBUE ELECTRIC WIND POWER SYSTEM (AK)	150,000
LAURENTIAN ENERGY AUTHORITY (MN)	1,000,000
LOUISIANA STATE UNIVERSITY ALTERNATIVE ENERGY RESEARCH (LA)	1,000,000
MARET CENTER (MO)	1,000,000
MARTIN COUNTY FUEL CELL DEVELOPMENT (NC)	500,000
MBI INTERNATIONAL BIOMASS RESEARCH (MI)	500,000
MESSIAH COLLEGE BIODIESEL FUEL GENERATION PROJECT (PA)	500,000
MIAMI MUSEUM OF SCIENCE RENEWABLE ENERGY PROJECT (FL)	750,000
MICHIGAN STATE UNIVERSITY, ADVANCED HYBRID VEHICLE TECHNOLOGY, HYBRID ELECTRIC VEHICLE GROUP (MI)	400,000
MICHIGAN TECH NANOSTRUCTURED MATERIALS (MI)	1,250,000
MIDSOUTH/SOUTHEAST BIOENERGY CONSORTIUM (GA)	2,000,000
MILL SEAT LANDFILL BIOREACTOR RENEWABLE GREEN POWER (NY)	750,000
MINNESOTA CENTER FOR RENEWABLE ENERGY (MN)	500,000
MODULAR ENERGY STORAGE SYSTEM FOR FUEL CELLS (MI)	1,200,000
NANOSTRUCTURAL MATERIALS FOR SAFE ALTERNATIVE ENERGY (NC)	1,000,000
NANO-STRUCTURED FUEL CELL MEMBRANE ELECTRODE ASSEMBLY (CA)	1,000,000
NANOSTRUCTURED SOLAR CELLS (AR)	1,200,000
NASI AND NA-SG POWDER HYDROGEN FUEL CELLS (NJ)	1,500,000
NATIONAL CENTER FOR MANUFACTURING SCIENCES (MI)	2,000,000
NAVAJO HOPI LAND COMMISSION RENEWABLE DEVELOPMENT (NM)	300,000
NCCR "GREEN" BUILDING (LA)	750,000

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT	
NEVADA INSTITUTE FOR RENEWABLE ENERGY COMMERCIALIZATION, RENO (NV)	1,500,000
NORTH DAKOTA STATE UNIVERSITY, CENTER FOR NANOSCALE ENERGY (ND)	6,000,000
NORTHEAST TEXAS COMMUNITY COLLEGE BIODIESEL (TX)	500,000
*NORTHWEST REGIONAL PLANNING COMMISSION, MANUFACTURING CONVERSION FOR ENERGY EFFICIENCY (WI)	5,000,000
NOTRE DAME GEOTHERMAL IONIC LIQUIDS RESEARCH (IN)	1,000,000
NYE COUNTY RENEWABLE ENERGY FEASIBILITY STUDY (NV)	500,000
NYIT BUILDING EFFICIENCY DEMONSTRATION PROJECT (NY)	500,000
ONE KILOWATT BIOGAS FUELED SOLID OXIDE FUEL CELL STACK (NY)	1,000,000
OREGON INSTITUTE OF TECHNOLOGY GEO-HEAT CENTER (OR)	1,000,000
PACIFIC INTERNATIONAL CENTER FOR HIGH TECHNOLOGY RESEARCH, HONOLULU, HI, RENEWABLE ENERGY DEVELOPMENT VENTURE (HI)	1,250,000
PHOTOVOLTAIC DEMONSTRATION PROJECT (CT)	500,000
PIERCE COUNTY, WA, LANDFILL GAS-TO-CLEAN-FUEL PROJECT, BIOMASS (WA)	3,800,000
PLACER COUNTY BIOMASS UTILIZATION PILOT PROJECT (CA)	500,000
PLUG-IN HYBRID ELECTRIC VEHICLE DEMONSTRATION (CA)	1,000,000
PORT OF UMATILLA BIODIESEL REFINING PLANT (OR)	500,000
PURDUE HYDROGEN TECHNOLOGIES PROGRAM (IN)	1,000,000
RACELAND RAW SUGAR CORPORATION, RACELAND, LA, BIO-RENEWABLE ETHANOL AND CO-GENERATION PLANT, BIOMASS (LA)	1,500,000
RENEWABLE & LOGISTIC FUELS FOR FUEL CELLS AT THE CO SCHOOL OF MINES (CO)	1,500,000
RENEWABLE ENERGY BIOMASS UTILIZATION PROGRAM (AK)	500,000
RENEWABLE ENERGY FOR RURAL ECONOMIC DEVELOPMENT PROGRAM (UT)	1,000,000
RISK-BASED DATA MANAGEMENT SYSTEM (OK)	500,000
RIT INTEGRATED POWER MICROSYSTEMS (NY)	1,000,000
SAFE DETECTOR SYSTEM FOR HYDROGEN LEAKS (CA)	1,000,000
SAN FRANCISCO MUNI SOLAR ENERGY FACILITY (CA)	620,000
SANDIA NATIONAL LAB CONCENTRATING SOLAR (NM)	3,000,000
SILICON BASED SOLID OXIDE FUEL CELL CHIP (MA)	500,000
SNOHOMISH COUNTY, WA, BIODIESEL PROJECT (WA)	350,000
SOLAR CONSORTIUM OF NEW YORK PHOTOVOLTAIC RESEARCH AND DEVELOPMENT CENTER (NY)	1,500,000
SOLID ACID FUEL CELL RESEARCH (CA)	500,000
SOLID OXIDE FUEL CELL SYSTEMS DEVELOPMENT (OH)	1,000,000
SORGHUM TO ETHANOL RESEARCH (CO)	1,000,000
SOUTH DAKOTA STATE UNIVERSITY, SD, SUN GRANT INITIATIVE, REGIONAL BIOMASS FEEDSTOCK DEVELOPMENT PARTNERSHIPS, BIOMASS (SD)	4,000,000
SOUTHEAST BIOENERGY INITIATIVE (AL)	500,000
SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE, BIOFUELS RESEARCH (IL)	500,000
STAMFORD WASTE-TO-ENERGY PROJECT (CT)	1,500,000
STRATEGIC BIOMASS INITIATIVE (MS)	500,000
SUNY COBLESKILL BIO-WASTE TO BIO-ENERGY PROJECT (NY)	1,300,000
SUNY-OSWEGO ENERGY INDEPENDENCE (NY)	300,000
SUSTAINABLE BUILDINGS PROJECT AT THE UNIVERSITY OF LOUISVILLE (KY)	400,000
SUSTAINABLE ENERGY CENTER BIODIESEL FROM ALGAE (MI)	1,000,000
SUSTAINABLE ENERGY RESEARCH CENTER AT MSU (MS)	11,000,000
SUSTAINABLE ENERGY RESEARCH FACILITY CONSTRUCTION (MD)	750,000
SUSTAINABLE LED FLUORESCENT LIGHT REPLACEMENT TECHNOLOGY (MI)	600,000
TANADGUSIX FOUNDATION HYDROGEN PROJECT (AK)	250,000
TEXAS A&M GREEN CAMPUS RESEARCH INITIATIVE (TX)	500,000
TEXAS HYDROGEN HIGHWAY (TX)	389,000
THE GREENVILLE STEAM EFFICIENCY PROJECT (ME)	900,000
TOOLS FOR NANOTECHNOLOGY EDUCATION (OR)	1,000,000

CONGRESSIONALLY DIRECTED ENERGY EFFICIENCY AND RENEWABLE ENERGY PROJECTS

PROJECT	
TRENTON, NJ, TRENTON FUEL WORKS BIOFUELS PLANT RE-CONSTRUCTION, BIOMASS (NJ)	1,500,000
TRUCKEE MEADOW WATER RECLAMATION FACILITY (NV)	1,000,000
U. OF AKRON CARBON BASED FUEL CELL (OH)	1,200,000
U. OF ARIZONA PHOTOVOLTAIC CONCENTRATOR DEVELOPMENT (AZ)	1,000,000
U. OF FLORIDA, GAINESVILLE, WITH THE EARTH UNIVERSITY FOUNDATION BIOFUEL PROJECT (FL)	1,000,000
U. OF GEORGIA BIOREFINERY AND FUEL CELL RESEARCH (GA)	1,250,000
U. OF HAWAII, COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES DEVELOPMENT OF HIGH YIELD TROPICAL FEEDSTOCKS, BIOMASS (HI)	500,000
U. OF KENTUCKY BIOFUELS RESEARCH LABORATORY (KY)	500,000
U. OF MARYLAND ENERGY RESEARCH CENTER (MD) [1]	742,500
U. OF NEBRASKA, KEARNEY, CIBS SOLAR CELL DEVELOPMENT, SOLAR (NE)	950,000
U. OF NEBRASKA, LINCOLN, BIOENERGY DEMONSTRATION PROJECT: VALUE-ADDED PRODUCTS FROM RENEWABLE FUELS (NE)	2,000,000
U. OF NEVADA, LAS VEGAS, LIGHT EMITTING DIODE DISPLAY ENGINEERING (NV)	600,000
U. OF NEVADA, LAS VEGAS, SOLAR CELL NANOTECHNOLOGY (NV)	750,000
U. OF NORTH ALABAMA GREEN CAMPUS INITIATIVE (AL)	1,000,000
U. OF NORTH DAKOTA, GRAND FORKS, CENTER FOR BIOMASS UTILIZATION (ND)	2,000,000
U. OF NORTHERN IOWA, NATIONAL AGRICULTURE-BASED INDUSTRIAL LUBRICANTS (NABL), BIOMASS (IA)	1,000,000
U. OF OKLAHOMA BIOFUELS REFINING (OK)	750,000
U. OF RHODE ISLAND, RESEARCH AND TECHNOLOGY DEVELOPMENT FOR GENETIC IMPROVEMENT OF SWITCHGRASS, BIOMASS (RI)	1,500,000
UMASS RENEWABLE ENERGY ECONOMY EXPANSION PROJECT (MA)	200,000
UNIVERSITY OF NEVADA, LAS VEGAS, NATIONAL CENTER FOR ENERGY MANAGEMENT (NV)	500,000
VERMONT BIOMASS ENERGY RESOURCES CENTER, BIOMASS (VT)	1,000,000
VERMONT INDEPENDENT COLLEGES ZERO-ENERGY CAMPAIGN (VT)	1,500,000
VERMONT PUBLIC POWER SUPPLY AUTHORITY, RENEWABLE ENERGY FROM ANIMAL BIO-MASS (VT)	500,000
VERMONT SUSTAINABLE JOBS FUND, MONTPELIER - CENTRAL VERMONT RECOVERED BIOMASS FACILITY, BIOMASS (VT)	500,000
VERMONT SUSTAINABLE JOBS FUND, MONTPELIER - VERMONT BIOFUELS INITIATIVE, BIOMASS (VT)	1,000,000
WASTE-TO-ENERGY COGENERATION PROJECT, MUNSTER, IN (IN)	2,000,000
WAVE POWER DEMONSTRATION PROJECT, REEDSPORT OREGON (OR)	2,000,000
WEST VIRGINIA UNIVERSITY, LIGHTWEIGHT COMPOSITE MATERIAL FOR HEAVY DUTY VEHICLES (WV)	500,000
WEST VIRGINIA UNIVERSITY, TRANSPORTABLE EMISSIONS TESTING LABORATORY (TESL) FOR ALTERNATIVE VEHICLES EMISSIONS TESTING (WV)	1,000,000
WESTERN NORTH CAROLINA CLEAN ENERGY BUSINESS INCUBATOR (NC)	360,000
WHITE EARTH TRIBAL NATION WIND ENERGY (MN)	1,000,000
WICHITA STATE UNIVERSITY SUSTAINABLE ENERGY SOLUTIONS (KS)	1,000,000
WIND SPIRES AS AN ALTERNATIVE ENERGY SOURCE (OH)	1,100,000
WISDOM WAY SOLAR VILLAGE - RURAL DEVELOPMENT INC'S (MA)	400,000
WOODY BIOMASS PROJECT AT SUNY-ESF (NY)	750,000
WYANDOTTE GREEN WINDPOWER ON BROWNFIELDS PROJECT (MI)	1,000,000
YORK COLLEGE NATIONAL ENERGY RESOURCE CENTER (SC)	200,000

[1] REDIRECTION OF PREVIOUSLY APPROPRIATED FUNDS

ELECTRICITY DELIVERY AND ENERGY RELIABILITY

The amended bill provides $140,000,000 for the Office of Electricity Delivery and Energy Reliability, instead of $134,161,000 as proposed by the House, and $168,437,000 as proposed by the Senate.

Program Direction.—Funding under this heading in the amended bill provides $17,765,000 for electricity delivery and energy reliability program direction, an increase of $378,000 over the budget request.

Congressionally Directed Projects.—Funding under this heading in the amended bill provides $24,685,500 for Congressionally directed projects, for the purposes of research, development, and demonstration of energy technologies or programs. The agency should remind recipients that statutory cost sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED ELECTRICITY DELIVERY AND ENERGY RELIABILITY PROJECTS

PROJECT	
ALABAMA POWER PROJECT, INTEGRATED DISTRIBUTION MANAGEMENT SYSTEM (AL)	$2,000,000
BISMARCK STATE COLLEGE, CENTER OF EXCELLENCE (ND)	5,200,000
CHENEGA BAY GENERATOR REPLACEMENT (AK)	385,500
CONNECTICUT ENERGY SAVINGS TECHNOLOGY PROJECT (CT)	750,000
DINE POWER AUTHORITY (AZ)	500,000
ELECTRIC TRANSMISSION LINE IMPROVEMENTS (NY)	1,500,000
ELECTRIC UTILITY TRANSMISSION PROGRAM (WA)	800,000
ENERGY SURETY RESEARCH CENTER AT NEW MEXICO TECH UNIVERSITY (NM)	2,000,000
FLORIDA STATE UNIVERSITY ELECTRIC GRID SYSTEM STUDY (FL)	1,000,000
HIGH VOLTAGE TRANSMISSION LINES PHASE II (TN)	500,000
IOWA STORED ENERGY PLANT (IA)	1,500,000
NATIONAL CENTER FOR RELIABLE ELECTRIC POWER TRANSMISSION (AR)	500,000
NAVAJO TRIBAL UTILITY AUTHORITY, FORT DEFIANCE (AZ)	2,000,000
NEW ALBANY ELECTRICAL SUBSTATION (MS)	900,000
PILOT ENERGY COST CONTROL EVALUATION (WV, PA, & IN)	1,500,000
ROLLS-ROYCE FUEL CELL SYSTEMS (US), INC., STARK STATE COLLEGE OF TECH., FUEL CELL PROTOTYPING CENTER, CANTON, OH, SOLID OXIDE FUEL CELL (OH)	500,000
UNIVERSITY OF MISSOURI-ROLLA DISTRIBUTED ENERGY RESEARCH CENTER (MO)	500,000
UTILITY INTEGRATION OF DISTRIBUTED GENERATION (CA)	600,000
VEHICLE TO GRID DEMONSTRATION PROJECT (DE)	750,000
WAUCHULA MUNICIPAL ELECTRIC SUBSTATION REHAB (FL)	1,000,000
WILLIMAR MUNICIPAL UTILITIES POWER GENERATION STUDY (MN)	300,000

NUCLEAR ENERGY (INCLUDING TRANSFER OF FUNDS)

The amended bill provides $970,525,000 for nuclear energy programs, instead of $759,227,000 as proposed by the House, and $720,558,000 as proposed by the Senate. The total amount available for Nuclear Energy programs and facilities is $1,046,474,000, including $75,949,000 of costs allocated to the 050 budget function (i.e. defense activities) for Idaho Site-wide and Security activities. The amended bill includes a provision that authorizes and funds the Mixed Oxide Fuel Fabrication facility in the Nuclear Energy appropriation, as proposed by the House. The amended bill includes a provision that codifies the application of DOE Order 413.3A to MOX construction management.

University Reactor Fuel Assistance and Support.—Funding under this heading in the amended bill provides no direct funds for grants and fellowships that support nuclear science and engineering education at the Department of Energy. DOE annually requests no funding for education assistance, and the Congress sees fit every year to restore it. For fiscal year 2008, the funding for the university nuclear education assistance program is provided in the Nuclear Regulatory Commission appropriation account to provide a sustainable education assistance program.

Nuclear Power 2010.—Funding under this heading in the amended bill provides $135,000,000 for Nuclear Power 2010, an increase of $21,000,000 over the budget request to accelerate the preparation and approval of combined operating licenses.

Generation IV Nuclear Energy Systems Initiative.—Funding under this heading in the amended bill provides $116,000,000 for Generation IV nuclear energy systems. The Department is directed to accelerate work on the Next Generation Nuclear Plant (NGNP). Of this amount $74,000,000 is for the NGNP project, of which no less than $38,000,000 is for establishing a reference conceptual design and baseline cost. Funding under this heading in the amended bill provides $36,000,000 for establishing a licensing strategy and an aggressive pre-application program with the Nuclear Regulatory Commission that includes: developing substantial industry involvement; advancing and testing key enabling technologies; developing a cost-and-risk sharing concept for the NGNP; and establishing a project plan, vendor team and international cooperation framework. The Appropriations Committees emphasize the importance of developing a strong private sector-based partner for the NGNP, and provide $26,000,000 for advancing critical-path enabling gas reactor technology including materials testing and qualification and fuel development, testing and qualification, $9,000,000 to continue work with Russia on gas reactors, and $7,000,000 for deep burn (actinide management) characteristics of gas-cooled reactors.

Nuclear Hydrogen Initiative.—Funding under this heading in the amended bill provides $10,000,000 for the nuclear hydrogen initiative.

Fuel Cycle Research and Facilities.—Funding under this heading in the amended bill provides $462,349,000 for fuel cycle research and facilities, and is intended to be used as follows: $233,849,000 for the construction of the Mixed-Oxide Fuel Fabrication (MOX) facility, and $47,500,000 for MOX facility other project costs, for a

total of $281,349,000 of new budget authority for the MOX project at the Savannah River Site. The Appropriations Committees are concerned about the management of the MOX fuel fabrication facility, and the amended bill includes a provision that codifies the application of DOE Order 413.3A to MOX construction management. The Appropriations Committees direct the Government Accountability Office to monitor the construction and management of the MOX facility, and report to the Committees on a quarterly basis on the progress of the fuel fabrication facility, regarding scope, cost and schedule changes and performance. The Appropriations Committees direct the Department to provide the Committees a revised cost baseline and schedule for the MOX facility based on the level of funding provided by the Committees. The Department is directed to utilize $115,000,000 of prior-year unobligated balances for MOX in the nuclear energy research and development program, available for transfer from the Defense Nuclear Nonproliferation account.

Funding under this heading in the amended bill provides $181,000,000 for the Advanced Fuel Cycle Initiative (AFCI). Of this amount, $151,000,000 is for continued research and development on spent fuel recycling and advanced reactor design, and no funds are provided for facility construction for technology demonstration or commercialization. The Department is directed to make available 50 percent of the AFCI funds for research and development in an agency-wide solicitation for universities, national laboratories, and commercial entities. Funding under this heading in the amended bill provides $15,000,000 for hot-cell upgrades at Los Alamos National Laboratory, and $15,000,000 at Oak Ridge National Laboratory.

Space and defense infrastructure.—Funding under this heading in the amended bill provides $30,650,000 for space and defense infrastructure.

Medical isotopes infrastructure.—Funding under this heading in the amended bill provides $14,964,000 for medical isotopes infrastructure.

Research reactor infrastructure.—Funding under this heading in the amended bill provides $2,947,000 for fresh reactor fuel and disposal of spent fuel for university reactors.

Oak Ridge nuclear infrastructure.—No funds are provided in the nuclear infrastructure account for Oak Ridge National Laboratory (ORNL). Instead, funding is provided within the Advanced Fuel Cycle Initiative.

Idaho National Laboratory (INL) operations and infrastructure.—Funding under this heading in the amended bill provides $117,000,000 for INL operations and infrastructure, an increase of $9,837,000 over the budget request for the Advanced Test Reactor national scientific user facility infrastructure transition activities and experiments.

Idaho site-wide safeguards and security.—Funding under this heading in the amended bill is provided as a transfer of $75,949,000 from the Other Defense Activities account to the Nuclear Energy program.

Program Direction.—Funding under this heading in the amended bill provides a total funding level for program direction of

$81,615,000, to accommodate federal personnel associated with the increased activities in the Nuclear Energy program.

Congressionally Directed Projects.—The agency should, within available funds, provide $4,000,000 for Congressionally directed projects, for the purposes of research, development, and demonstration of nuclear energy technologies or programs: CVD single-crystal diamond optical switch (MD) $1,000,000 and Technologies Ventures Corporation for technology transfer activities (NM) $3,000,000. The agency should remind recipients that statutory cost-sharing requirements may apply to these projects.

LEGACY MANAGEMENT

The amended bill provides $34,183,000 for the activities of the Office of Legacy Management. The Appropriations Committees do not support the consolidation of Legacy Management activities within the Non-Defense Environmental Management account, and continue the Office of Legacy Management as a stand-alone appropriation.

CLEAN COAL TECHNOLOGY

(INCLUDING DEFERRAL AND TRANSFER OF FUNDS)

The Revised Continuing Appropriations Resolution for Fiscal Year 2007 (Public Law 110–5) deferred $257,000,000 in unobligated Clean Coal Technology balances to fiscal year 2008. The amended bill transfers $166,000,000 to the Fossil Energy Research and Development account in fiscal year 2008, and recommends the deferral of $149,000,000 in Clean Coal Technology balances until fiscal year 2009, as proposed by the Senate, and not the rescission of the balances in fiscal year 2008 as proposed by the House.

FOSSIL ENERGY RESEARCH AND DEVELOPMENT

(INCLUDING TRANSFER OF FUNDS)

The amended bill provides $750,000,000 for Fossil Energy Research and Development programs, instead of $708,801,000 proposed by the House and $808,113,000 as proposed by the Senate. The amended bill includes a provision that permits the hire of passenger vehicles and other items as proposed by the House. The amended bill includes provisions proposed by the Senate that would encourage participation in the Clean Coal Power Initiative Round III, addressing cost increases, cost sharing, and repayment. The amended bill includes a provision that affirms Round III of the Clean Coal Power Initiative must focus on demonstrating advanced coal-based technologies that capture and sequester carbon, or put carbon dioxide emissions to beneficial reuse. The House bill contained no similar provisions. The amended bill includes provisions as proposed by the Senate that permit up to 4 percent of National Energy Technology Laboratory (NETL) program direction funds to be used for DOE activities not in the Fossil Energy account, and allow Federal employees performing research and development at NETL to be funded from any appropriate program account. The amended bill does not include a provision proposed by the Senate that reduces overall cost-sharing requirements for the Clean Coal

Power Initiative as this is redundant with the Energy Policy Act of 2005 (EPAct).

Report requirement.—The Department is directed to submit to the House and Senate Committees on Appropriations a report on liquefied natural gas (LNG), as outlined in the House report, by December 1, 2008, which is to be funded in Advanced Research within Fuels and Power Systems.

Clean Coal Power Initiative.—Funding under this heading in the amended bill includes $70,000,000 for the Clean Coal Power Initiative (CCPI), a decrease of $3,000,000 below the budget request.

FutureGen.—Funding under this heading in the amended bill includes $75,000,000 for FutureGen, $33,000,000 below the budget request due to unused prior year funds. The Appropriations Committees are concerned about maintaining adequate funding for the core fossil energy research, development, and demonstration programs. Should the FutureGen program continue to maintain significant balances of unused funds or the project not continue, the Department is directed to submit a request to the Appropriations Committees for approval to reprogram the balances for other coal research and development activities.

Fuels and Power Systems.—Funding under this heading in the amended bill includes $352,912,000 for Fuels and Power Systems, an increase of $107,310,000 over the budget request. Within the funds provided, $36,412,000 is for Innovations of Existing Plants, an increase of $36,412,000 over the budget request to include carbon capture, innovative CO_2 compression, energy/water technologies or beneficial uses of CO_2; $54,000,000 for Advanced Integrated Gasification Combined Cycle, an increase of $4,000,000 over the budget request; and $24,000,000 for Advanced Turbines, an increase of $2,000,000 over the budget request. Funding under this heading provides $120,000,000 for Carbon Sequestration, an increase of $40,923,000 over the budget request. The Department is encouraged to study the CO_2 accelerated growth algae technology to recycle carbon and produce fuels. Funding under this heading includes $25,000,000 for Fuels, an increase of $15,000,000 over the budget request for coal-biomass and hydrogen fuels research; $56,000,000 for Fuel Cells, a decrease of $6,025,000 below the budget request; and $37,500,000 for Advanced Research, an increase of $15,000,000 above the budget request, of which $8,000,000 is to support the liquefied natural gas report.

Natural gas technologies.—Funding under this heading in the amended bill provides $20,000,000 for natural gas technologies, an increase of $20,000,000 over the budget request, to include $15,000,000 for methane gas hydrates research and development, and $5,000,000 for effective environmental production programs.

Petroleum-oil technologies.—Funding under this heading in the amended bill provides $5,000,000 for petroleum-oil technologies, an increase of $5,000,000 over the budget request to include $1,500,000 for the Stripper Well Consortium, $1,200,000 for the Risk Based Data Management System, and $2,300,000 for the unconventional and enhanced oil recovery programs.

Program direction.—Funding under this heading in the amended bill provides $149,962,000 for program direction, an increase of $19,989,000 over the budget request for shortfalls in the budget re-

quest to cover cost escalations and other needs at various NETL sites. –

Other.—Funding is provided in the amended bill for the following activities: $13,000,000 for Plant and Capital Equipment; $9,570,000 for Fossil Energy Environmental Restoration; $656,000 for Special Recruitment Programs; and $5,000,000 for Cooperative Research and Development. No funds have been provided for Section 964 of EPAct as proposed by the Senate.

Congressionally Directed Projects.—Funding under this heading in the amended bill provides $48,900,000 for Congressionally directed projects, for the purposes of research, development, and demonstration of coal and other fossil energy related technologies or programs. The Department should remind recipients that statutory cost-sharing requirements may apply to these projects.

CONGRESSIONALLY DIRECTED FOSSIL ENERGY RESEARCH AND DEVELOPMENT PROJECTS

PROJECT	
ARCTIC ENERGY OFFICE (AK)	$7,000,000
ARROWHEAD CENTER AT NEW MEXICO STATE UNIVERSITY TO PROMOTE PROSPERITY AND PUBLIC WELFARE IN NEW MEXICO THROUGH ECONOMIC DEVELOPMENT (NM)	1,000,000
CARBON SEQUESTRATION STUDY (OH)	1,000,000
CENTER FOR ADVANCED SEPARATION TECHNOLOGIES (VA)	1,000,000
CENTER FOR INSTRUMENTED CRITICAL INFRASTRUCTURES (PA)	1,000,000
CENTER FOR ZERO EMISSIONS RESEARCH AND TECHNOLOGY (MT)	6,000,000
COAL FUELS ALLIANCE (KY)	1,450,000
COLORADO SCHOOL OF MINES, GOLDEN, CO, COLORADO CENTER FOR SUSTAINABLE ENERGY AT THE COLORADO SCHOOL OF MINES (CO)	1,000,000
DIRECT CARBON FUEL CELL PROTOTYPE (CA)	750,000
EASTERN ILLINOIS UNIVERSITY POWER PLANT (IL)	500,000
FUEL RESEARCH AND DEVELOPMENT AT NORTHERN ILLINOIS UNIVERSITY (IL)	1,000,000
GULF OF MEXICO HYDRATES RESEARCH CONSORTIUM AT THE UNIVERSITY OF MISS. (MS)	1,000,000
INTERDISCIPLINARY CLEAN ENERGY PROGRAM AT THE UNIVERSITY OF UTAH (UT)	3,500,000
ITM REACTION-DRIVEN CERAMIC MEMBRANE SYSTEMS (PA)	1,000,000
MEMBRANE TECHNOLOGY FOR PRODUCED WATER AT LEA COUNTY (NM)	1,500,000
NE OHIO CARBON SEQUESTRATION PIPELINE SCOPING STUDY (OH)	1,000,000
NORTH DAKOTA ENERGY AND ENVIRONMENT RESEARCH CENTER, GRAND FORKS, FOSSIL FUEL COOPERATIVE RESEARCH & DEVELOPMENT (ND)	4,000,000
NORTH DAKOTA ENERGY AND ENVIRONMENT RESEARCH CENTER, GRAND FORKS, NATIONAL CENTER FOR HYDROGEN TECHNOLOGY (ND)	3,000,000
OHIO RIVER CLEAN FUELS CO2 PRODUCTION & EMISSIONS STUDY (OH)	250,000
PENN STATE UNIVERSITY, SOLID OXIDE FUEL CELLS (PA)	4,000,000
RAMGEN, BELLEVUE, WA, CO2 COMPRESSION INITIATIVE UTILIZING SHOCKWAVE/RAMJET COMPRESSION TECHNOLOGY (WA)	1,200,000
SHALLOW CARBON SEQUESTRATION PILOT DEMONSTRATION (MO)	2,500,000
STRIPPER WELL CONSORTIUM (PA)	1,500,000
THE GULF PETRO INITIATIVE (LA)	750,000
UNIVERSITY OF WYOMING - CARBON SEQUESTRATION MONITORING ACTIVITIES (WY)	1,650,000
WEST VIRGINIA UNIVERSITY, ADVANCED COAL TECH. (LIQUEFACTION) IN CHINA (WV)	350,000

NAVAL PETROLEUM AND OIL SHALE RESERVES

The amended bill provides $20,472,000 for the operation of the Naval Petroleum and Oil Shale Reserves, instead of $17,301,000 as proposed by the House and $21,301,000 as proposed by the Senate. Within available funds, $1,441,000 is directed for the Naval Petroleum Reserve #3 and $2,000,000 for Los Alamos National Laboratory to support in basin scale environmental impacts for oil shale production.

STRATEGIC PETROLEUM RESERVE

The amended bill provides $188,472,000 for the Strategic Petroleum Reserve, a decrease of $143,137,000 below the budget request, instead of $163,472,000 as proposed by the House and the Senate. The Department is directed to use $25,000,000 to acquire land at a new site consistent with the budget request. The Appropriations Committees provide for the operation of the Strategic Petroleum Reserve, but do not support the expansion of the reserve to 1.5 billion barrels.

NORTHEAST HOME HEATING OIL RESERVE

The amended bill provides $12,448,000 for the Northeast Home Heating Oil Reserve, instead of $5,325,000 as proposed by the House and $12,825,000 as proposed by the Senate. The increase of $7,123,000 over the budget request is to accommodate increased costs for storage leases.

ENERGY INFORMATION ADMINISTRATION

The amended bill provides $96,337,000 for the Energy Information Administration instead of $105,095,000 as proposed by the House and the Senate. Within available funds, $1,000,000 is provided for the National Academy of Sciences to support the International Institute for Advanced Systems Analysis's Global Energy Assessment.

NON-DEFENSE ENVIRONMENTAL CLEANUP

The amended bill provides $183,937,000 for Non-Defense Environmental Cleanup instead of $286,041,000 as proposed by the House or $195,437,000 as proposed by the Senate. Funding under this heading in the amended bill includes an increase of $5,000,000 for the acceleration of the decontamination and decommissioning of the graphite reactor at Brookhaven National Laboratory.

The amended bill does not support the consolidation of Legacy Management activities within the Non-Defense Environmental Management account. The amended bill includes a provision regarding the cleanup requirements at the Energy Technology and Engineering Center at the Santa Susana Field Laboratory, as proposed by the Senate.

Energy Technology and Engineering Center.—The Appropriations Committees are aware of the suspension of the Department's deactivation and decommissioning activities at the Energy Technology and Engineering Site, Santa Susana Field Laboratory, in Simi Valley, California. The Appropriations Committees are very concerned

with the need to assure thorough site characterization and cleanup and will be monitoring the Department's actions closely.

Internal reprogramming authority.—The agency should follow the internal reprogramming authority as directed in the House report, omitting Legacy Management as a control point.

Economic development.—None of the Non-Defense Environmental Management funds, including those provided in the Non-Defense Environmental Cleanup and Uranium Enrichment Decontamination and Decommissioning Fund, are available for economic development activities.

Report requirement.—The Appropriations Committees direct the Department to provide a report within 180 days of enactment of this Act on the annual funding requirements needed to complete remediation of the Moab uranium mill tailings site and removal of the tailings to the Crescent Junction site in Utah no later than the year 2019.

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The amended bill provides $627,876,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund, instead of $618,759,000 proposed by the House and $573,509,000 proposed by the Senate. Funding under this heading includes an increase of $54,367,000 over the budget request for decontamination and decommissioning activities at the Oak Ridge East Tennessee Technology Park K–25 process building. Funding under this heading provides the budget request for cleanup at Paducah and Portsmouth facilities. The amended bill also provides $20,000,000 for the Title X uranium and thorium reimbursements program, the same as the budget request and the House, and instead of no funds as proposed by the Senate.

SCIENCE

The amended bill provides $4,055,483,000 for Science instead of $4,514,082,000 as proposed by the House and $4,496,759,000 as proposed by the Senate. Funds previously provided for the Coralville, Iowa, project in the Consolidated Appropriations Act, 2004, are rescinded.

High Energy Physics.—Funding under this heading in the amended bill includes $694,638,000 for High Energy Physics. Within funding for Proton Accelerator-Based Physics, no funds are provided for the NOνA activity in Tevatron Complex Improvements. Within Advanced Technology R&D, in the current constrained environment and without a Critical Decision 0 by the Department, only $15,000,000 is provided for International Linear Collider R&D and $5,455,000 for Superconducting RF R&D.

The Committees on Appropriations appreciate the Beyond Einstein Program architecture report by the National Research Council and support its recommendations. Accordingly, the Department of Energy is directed to proceed jointly with NASA to conduct and complete an open, competitive selection of the science investigation and payload for the Joint Dark Energy Mission (JDEM) during 2008. This selection should use the NASA Announcement of Opportunity process and have as its primary science selection criterion

the achievement of improved understanding of dark energy and include improved understanding in astrophysics generally as a secondary criterion. The selection should be made jointly by one official each from NASA and DOE. If DOE and NASA cannot agree on a joint approach for mission implementation, DOE should provide no future year support for this activity or for other space science satellite missions. The Department is directed to continue support for the Super Nova Acceleration Probe during fiscal year 2008.

The control level is at the High Energy Physics level.

Nuclear Physics.—Funding under this heading in the amended bill includes $436,700,000 for Nuclear Physics. Within Nuclear Physics, construction is funded at $17,700,000, the same as the request.

Biological and Environmental Research.—Funding under this heading in the amended bill includes $549,397,000 for Biological and Environmental Research. This area of the Office of Science encompasses two distinct research efforts: Biological Research, using biology to address energy production and environmental remediation, and Climate Change Research. The Department is directed to request funds for Biological Research and Climate Change Research as separate subaccounts in fiscal year 2009 and future fiscal years.

Biological Research.—Funding under this heading in the amended bill includes $411,273,000 for Biological Research, including $31,500,000 for Medical Applications and Measurement Science. The increase of $17,500,000 is for nuclear medicine research. All of the added funds must be awarded competitively in one or more solicitations that include all sources—universities, the private sector, and government laboratories—on an equal basis. The Committees on Appropriations support the language contained in the Senate report on Advanced Materials Testing and Low Dose Research. The Committees on Appropriations also note that diagnostics are currently in development between the University of New Mexico (UNM) and Los Alamos National Laboratory utilizing the unique capabilities of Los Alamos National Laboratory at the IPF at LANSCE and the radiopharmaceutical expertise of UNM at the Center for Isotopes in Medicine.

Climate Change Research.—Funding under this heading in the amended bill includes $138,124,000 for Climate Change Research, the same as the request.

Basic Energy Sciences.—Funding under this heading in the amended bill includes $1,281,564,000 for Basic Energy Sciences. Within Basic Energy Sciences, $15,000,000 is provided for the Experimental Program to Stimulate Competitive Research (EPSCoR).

Reprogramming.—For purposes of reprogramming during fiscal year 2008, the Department may allocate funding among all operating accounts within Basic Energy Sciences, consistent with the reprogramming guidelines outlined in House Report 110–185.

Nanoscience Research Centers.—The Committees on Appropriations support ongoing research at the Nanoscale Science Research Centers and Manuel Lujan Jr. Neutron Scattering Center.

Construction.—Given current budget constraints, funding under this heading in the amended bill includes less funding than re-

quested for two projects where the start of major construction activity can be delayed.

Advanced Scientific Computing Research.—Funding under this heading in the amended bill includes $354,398,000 for Advanced Scientific Computing Research. Within Advanced Scientific Computing Research, $19,500,000 is included for the Office of Science to continue the Department's participation in the Defense Advanced Research Projects Agency High Productivity Computing Systems partnership and an increase of $7,700,000 is included for the Oak Ridge Leadership Computing Facility to maintain the planned budget and cost schedule.

The Office of Science and the National Nuclear Security Administration (NNSA) are directed to establish the Institute for Advanced Architectures and Algorithms with Centers of Excellence at Sandia National Laboratories and Oak Ridge National Laboratory. These Centers will execute a national program involving industry, universities and national laboratories that is focused on technologies to sustain the U.S. leadership in high performance computing. The NNSA ASC and Office of Science ASCR programs will jointly fund the program and provide direction needed to support the goal of developing exascale computing for the Nation.

Fusion Energy Sciences.—Funding under this heading in the amended bill includes $289,180,000 for Fusion Energy Sciences. Within Fusion Energy Sciences, $162,910,000 is provided for Science, $93,504,000 for U.S. Facility Operations, an increase of $6,000,000 to be used to increase facility operations at the three U.S. user facilities (i.e., the DIII–D, Alcator C–Mod, and National Spherical Torus Experiment) $22,042,000 for Enabling R&D, an increase of $1,225,000 for materials research, $0 for the U.S. contribution to ITER, and $10,724,000 for Enabling R&D for ITER. Funding under this heading in the amended bill includes $12,281,000 for High Energy Density Physics. Funding may not be reprogrammed from other activities within Fusion Energy Sciences to restore the U.S. contribution to ITER.

Science Laboratories Infrastructure.—Funding under this heading in the amended bill includes $65,456,000 for infrastructure activities. Within Science Laboratories Infrastructure, $1,520,000 is provided to continue payments in lieu of taxes for Argonne and Brookhaven National Laboratories, $5,079,000 for Oak Ridge Laboratory landlord expenses, and $8,828,000 for excess facilities disposition, as requested. Also included is $50,029,000 for MEL–001 Multiprogram energy laboratory infrastructure projects at various locations.

The Committees on Appropriations continue to be supportive of the Physical Sciences Facility at the Pacific Northwest National Laboratory, and $25,000,000 for this facility is included in funding provided for MEL–001. This amount is $10,000,000 below the request for this facility in the Office of Science. The Department is directed to increase the future year funding contribution of the Office of Science for this facility by $10,000,000 to restore the baseline funding contribution from the Office of Science. To keep this project on schedule, $25,000,000 is included in Defense Nuclear Nonproliferation.

The Committees on Appropriations understand that the modernization of Laboratory 4500 at Oak Ridge National Laboratory can be accomplished more efficiently than originally proposed in the fiscal year 2007 budget request. The Department is directed to use the existing $2,000,000 of PED funding, plus the requested construction funding under the MEL–001 infrastructure project, for the design and construction of a new multi-purpose laboratory to replace 4500N.

Safeguards and Security.—Funding under this heading in the amended bill includes $76,592,000 for Safeguards and Security, the same as the request.

Science Workforce Development.—Funding under this heading in the amended bill includes $8,118,000 for Science Workforce Development.

Science Program Direction.—Funding under this heading in the amended bill includes $179,412,000 for Science Program Direction including $6,644,000 to support the New Brunswick Laboratory.

Funding Adjustments.—Funding under this heading in the amended bill includes an offset of $5,605,000 for the safeguards and security charge for reimbursable work.

Congressionally Directed Projects.—Funding under this heading in the amended bill includes $125,633,000 for Congressionally Directed Projects.

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT	
AAMURI INTEGRATED ENVIRONMENTAL RESEARCH AND SERVICES (AL)	$500,000
ADVANCED CELLULAR AND BIOMOLECULAR IMAGING (PA)	500,000
ADVANCED LABORATORY TECHNOLOGY INITIATIVE (NJ)	500,000
ALBRIGHT COLLEGE SCIENCE FACILITIES (PA)	350,000
ALLIANCE FOR NANOHEALTH (TX)	750,000
BELMONT BAY SCIENCE CENTER (VA)	250,000
BENNETT COLLEGE SCIENCE AND TECHNOLOGY FACILITY (NC)	1,000,000
BERKSHIRE ENVIRONMENTAL RESOURCES CENTER (MA)	250,000
BOSTON COLLEGE INSTITUTE FOR INTEGRATED SCIENCES (MA)	1,000,000
BRONX COMMUNITY COLLEGE SUSTAINABLE ENERGY CENTER (NY)	300,000
BULK PRODUCTION OF METALLIC GLASS (OH)	500,000
CARDIAC CATHETERIZATION RESEARCH AND EQUIPMENT (TX)	750,000
CENTER FOR NANOMEDICINE AT THE UNIVERSITY OF MARYLAND IN BALTIMORE TO SUPPORT RESEARCH INTO NEW NANOCONSTRUCTS (MD)	250,000
CHEYNEY UNIVERSITY STEM EDUCATION INFRASTRUCTURE (PA)	1,250,000
CHICAGO PUBLIC SCHOOLS SCIENCE LABORATORY ENHANCEMENT (IL)	1,000,000
CHICAGO STATE UNIVERSITY RESEARCH (IL)	1,000,000
CHILDREN'S ONCOLOGY GROUP CHILDHOOD CANCER RESEARCH (TX)	200,000
COE COLLEGE SCIENTIFIC INSTRUMENTATION (IA)	900,000
COLUMBUS CHILDREN'S HOSPITAL IMAGING EQUIPMENT (OH)	1,000,000
DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (OH)	2,000,000
DEPAUL UNIVERSITY INTERDISCIPLINARY SCIENCE AND TECHNOLOGY (IL)	250,000
DOMINICAN UNIVERSITY IN RIVER FOREST, ILLINOIS FOR RESEARCH RELATED TO THE ROLE OF TRANSGLUTAMINASES IN ALZHEIMER'S AND HUNTINGTON'S DISEASES (IL)	600,000
EASTERN KENTUCKY UNIVERSITY CHEMICAL RESEARCH INSTRUMENTATION (KY)	300,000
ECKERD COLLEGE SCIENCE CENTER (FL)	2,000,000
EMMANUEL COLLEGE CENTER FOR SCIENCE PARTNERSHIP (MA)	500,000
ENERGY EFFICIENCY THROUGH THE NY INDUSTRIAL RETENTION NETWORK (NY)	500,000
ENVIRONMENTAL SYSTEM CENTER AT SYRACUSE UNIVERSITY (NY)	750,000
FORDHAM UNIVERSITY REGIONAL SCIENCE CENTER (NY)	700,000
GEOTHERMAL DEMONSTRATION PROJECT (OH)	500,000
GEOTHERMAL SYSTEM AT SHERMAN HOSPITAL IN ELGIN, IL (IL)	1,000,000
GERMANTOWN BIOTECHNOLOGY PROJECT (MD)	1,500,000
GOOD SAMARITAN HOSPITAL SPECIALTY CANCER CENTER (OH)	400,000
GREEN BUILDING TECHNOLOGIES FOR LAKEVIEW MUSEUM (IL)	200,000
GREEN ENERGY XCHANGE (NC)	840,000
GULF OF MAINE RESEARCH INSTITUTE LAB UPGRADES (ME)	750,000
HARNEY SCIENCE CENTER EQUIPMENT (CA)	500,000
HOFSTRA UNIVERSITY CENTER FOR CONDENSED MATTER RESEARCH (NY)	550,000
IMAGING AND ONCOLOGY EQUIPMENT AT UVSC (UT)	750,000
INDIANA WESLEYAN UNIVERSITY SCHOOL OF NURSING (IN)	250,000
INLAND NORTHWEST RESEARCH ALLIANCE (INRA) WATER RESEARCH (WA)	1,500,000
INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	400,000
JACKSON STATE UNIVERSITY IN JACKSON, MISSISSIPPI, FOR BIOENGINEERING RESEARCH TRAINING (MS)	2,000,000
JACKSONVILLE UNIVERSITY MARINE SCIENCE RESEARCH INSTITUTE (FL)	500,000
KUMC TELE-ONCOLOGY NETWORK (KS)	300,000
LAKE GRANBURY AND LAKE WHITNEY ASSESSMENT (TX)	500,000
LAPEER REGIONAL MEDICAL CENTER CT SIMULATOR (MI)	400,000
LEVINE CHILDREN'S HOSPITAL CT SCANNER (NC)	1,000,000
LIGHTWEIGHT POWER SUPPLY DEVELOPMENT (PA)	500,000

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT	
LOGAN CANCER CENTER EQUIPMENT AND TECHNOLOGY (UT)	1,000,000
LOMA LINDA UNIVERSITY MEDICAL COLLEGE RADIATION PROTECTION PROGRAM (CA)	2,000,000
LOUISIANA TECH UNIVERSITY IN RUSTON, LOUISIANA, FOR RESEARCH IN NANOTECHNOLOGY (LA)	1,500,000
LOUISVILLE SCIENCE CENTER (KY)	150,000
LUTHER COLLEGE SCIENCE BUILDING RENOVATION PROJECT (IA)	750,000
MATHEMATICS, SCIENCE AND TECHNOLOGY RESEARCH AND TRAINING LAB PROJECT (PA)	2,500,000
MEMORIAL HEALTH SYSTEM, SPRINGFIELD, ILLINOIS (IL)	500,000
MEMORIAL HERMANN BAPTIST HOSPITAL ORANGE--1.5T MRI (TX)	600,000
NANOSYSTEMS INITIATIVE AT THE UNIVERSITY OF ROCHESTER (NY)	1,000,000
NANOTECHNOLOGY RESEARCH INTERNSHIPS IN ILLINOIS (IL)	500,000
NEUROSCIENCE LABORATORY, DOMINICAN UNIVERSITY (IL)	300,000
NEUROSCIENCES INSTITUTE IN MORGANTOWN, WEST VIRGINIA, TO SUPPORT MOLECULAR GENETICS RESEARCH (WV)	2,000,000
NEVADA CANCER INSTITUTE IN LAS VEGAS TO SUPPORT RESEARCH OF CELLULAR ANTIGENS AND NUCLEI ACIDS (NV)	500,000
NEW MEXICO CENTER FOR ISOTOPES IN MEDICINE (NM)	750,000
NEW MEXICO TECH UNIVERSITY IN SOCORRO, NEW MEXICO, FOR APPLIED ENERGY SCIENCE DESIGN (NM)	1,500,000
NEW SCHOOL UNIVERSITY GREEN BUILDING (NY)	2,000,000
NORTHERN HEMISPHERE PIERRE AUGER OBSERVATORY IN COLORADO FOR THE NORTHERN HEMISPHERE LOCATION OF A PARTICLE DETECTION OBSERVATORY (CO)	1,000,000
NORTHWEST MISSOURI STATE UNIVERSITY IN MARYVILLE, MISSOURI, FOR THE NANOSCIENCE EDUCATION PROJECT (MO)	1,200,000
NOTRE DAME INNOVATION PARK (IN)	784,000
NUTLEY ENERGY EFFICIENT ELEMENTARY SCHOOLS (NJ)	500,000
PERRY MEMORIAL HOSPITAL PACS SYSTEM (IL)	350,000
PHASE II DESIGN AND CONST. OF SAGE HALL SCIENCE (FL)	500,000
PIKEVILLE MEDICAL CENTER, KENTUCKY (KY)	500,000
PIONEER VALLEY LIFE SCIENCES INITIATIVE (MA)	1,000,000
PROTON BEAM THERAPY (WA)	750,000
PURDUE CALUMET INLAND WATER INSTITUTE (IN)	500,000
PURDUE TECHNOLOGY CENTER (IN)	2,000,000
ROCKLAND COMMUNITY COLLEGE SCIENCE LABORATORY (NY)	500,000
ROOSEVELT UNIVERSITY BIOLOGY LABORATORY EQUIPMENT (IL)	700,000
SANDIA INSTITUTE FOR ADVANCED COMPUTING ALGORITHMS, NEW MEXICO, FOR HIGH PERFORMANCE COMPUTING AND ADVANCED ALGORITHM DEVELOPMENT (NM)	7,437,500
SETON HALL UNIVERSITY SCIENCE AND TECHNOLOGY CENTER (NJ)	1,000,000
SOUTH CAROLINA LAMBDA RAIL COMPUTER NETWORK PORTAL (SC)	1,200,000
SOUTH COUNTY NATURE PRESERVE, IRVINGTON, NY (NY)	250,000
SOUTH DAKOTA CATALYST GROUP FOR ALTERNATIVE ENERGY TO SUPPORT RESEARCH THAT WILL SYNTHESIZE, CHARACTERIZE AND SCALE UP PRODUCTION OF CATALYSTS IMPORTANT FOR ENERGY ALTERNATIVES TO FOSSIL FUELS (SD)	1,100,000
ST. CLARE'S HOSPITAL (NJ)	500,000
ST. JOSEPH'S UNIVERSITY SCIENCE CENTER EQUIPMENT (PA)	800,000
ST. ROSE DOMINICAN HOSPITALS SIERRA TRAUMA CENTER (NV)	500,000
ST. THOMAS UNIVERSITY - CORTE (FL)	250,000
SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	350,000
TECHNOLOGY FOR PRINT DISABLED STUDENTS (FL)	1,200,000
TEXAS CENTER FOR ADVANCED SCIENCE COMPUTING AND MODELING (TX)	750,000
THE METHANOL ECONOMY (CA)	2,000,000
TULANE MATERIALS AND ENERGY RESEARCH (LA)	1,200,000
U. OF CALIFORNIA, LOS ANGELES FOR THE INSTITUTE FOR MOLECULAR MEDICINE RADIATION RESEARCH (CA)	6,000,000
U. OF CALIFORNIA, SAN DIEGO TO SUPPORT SEISMIC RESEARCH (CA)	2,000,000

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT	
U. OF CHICAGO TO RESEARCH MULTI-MODALITY, IMAGE-BASED MARKERS FOR ASSESSING BREAST DENSITY & STRUCTURE TO DETERMINE RISK OF BREAST CANCER (IL)	600,000
U. OF DUBUQUE, ENVIRONMENTAL SCIENCE CENTER (IA)	1,000,000
U. OF LOUISVILLE REGIONAL NMR FACILITY IN LOUISVILLE, KENTUCKY, TO SUPPORT ONGOING RESEARCH IN FUNDAMENTAL PROCESSES OF ELECTRON TRANSPORT SYSTEMS AND THE STRUCTURAL BIOLOGY OF PROTEINS (KY)	1,000,000
U. OF MAINE IN ORONO, MAINE, FOR RESEARCH IN INTEGRATED FOREST PRODUCTS REFINERY TECHNOLOGY (ME)	1,000,000
U. OF MASSACHUSETTS AT BOSTON TO SUPPORT MARINE SYSTEMS RESEARCH (MA)	500,000
U. OF MISSISSIPPI MEDICAL CENTER IN JACKSON, MISSISSIPPI, TO FUND RESEARCH IN THE AREAS OF INCREASING EFFICIENCY BY REDUCING THE AMOUNT OF CONTRAST MEDIA NEEDED FOR CERTAIN PROCEDURES (MS)	600,000
U. OF NC COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	1,000,000
U. OF ND IN GRAND FORKS TO SUPPORT ANTIBODIES RESEARCH (ND)	2,500,000
U. OF NEBRASKA MEDICAL CENTER IN OMAHA TO CONDUCT NANOSCALE IMAGING OF PROTEINS (NE)	2,000,000
U. OF NEVADA, LAS VEGAS, NEVADA WATER IN THE 21ST CENTURY MULTI-DISCIPLINARY RESEARCH PROJECT (NV)	1,000,000
U. OF NEW MEXICO IN ALBUQUERQUE, NEW MEXICO, FOR THE MIND INSTITUTE ONGOING RESEARCH INTO BRAIN RELATED RESEARCH INCLUDING SUPPORTING RESEARCH OF MILITARY PERSONNEL SUFFERING FROM POST TRAUMATIC STRESS DISORDER, DEPRESSION AND TRAUMATIC BRAIN INJURIES (NM)	12,000,000
U. OF OKLAHOMA IN NORMAN, OKLAHOMA, FOR THE LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	1,000,000
U. OF SAINT FRANCIS SCIENCE CENTER (IN)	721,000
U. OF SOUTHERN INDIANA ENGINEERING EQUIPMENT (IN)	750,000
U. OF VERMONT IN BURLINGTON TO CONDUCT RESEARCH OF MRI SCIENCE (VT)	1,000,000
U. OF VERMONT IN BURLINGTON TO SUPPORT RESEARCH IN AGRICULTURAL, ENVIRONMENTAL, AND BIOLOGICAL SCIENCES (VT)	3,000,000
ULTRA-DENSE SUPERCOMPUTING MEMORY STORAGE IN COLORADO FOR FURTHER RESEARCH IN THIS FIELD (CO)	1,000,000
UMASS INTEGRATIVE SCIENCE BUILDING (MA)	2,000,000
URBAN RESEARCH CENTER AND GREENHOUSE, BROOKLYN (NY)	500,000
USA CANCER INSTITUTE ONCOLOGY MEDICAL RECORD SYSTEM (AL)	500,000
WAKE FOREST UNIVERSITY RESEARCH ON ALTERNATIVES TO TRANSPLANTATION (NC)	1,000,000
WESTMINSTER COLLEGE SCIENCE CENTER (UT)	400,000
WIPP IN CARLSBAD, NEW MEXICO, TO SUPPORT NEUTRINO RESEARCH (NM)	1,500,000
XAVIER UNIVERSITY SCIENCE EQUIPMENT (OH)	500,000

NUCLEAR WASTE DISPOSAL

The amended bill provides $189,000,000 for Nuclear Waste Disposal instead of $202,454,000 as proposed by the House and $204,054,000 as proposed by the Senate. The amended bill also provides $201,000,000 for Defense Nuclear Waste Disposal, $91,046,000 less than the request. This provides a total of $390,000,000 for the repository program in fiscal year 2008.

Funding under this heading in the amended bill provides funds for affected elements of state and local government including $1,600,000 for the cooperative agreement between the Department of Energy and Inyo County, California.

The Department is directed to develop a plan to take custody of spent fuel currently stored at decommissioned reactor sites to both reduce costs that are ultimately borne by the taxpayer and demonstrate that DOE can move forward in the near-term with at least some element of nuclear waste policy. The Department should consider consolidation of the spent fuel from decommissioned reactors either at an existing federal site, at one or more existing operating reactor sites, or at a competitively-selected interim storage site. The Department should engage the sites that volunteered to host Global Nuclear Energy Partnership facilities as part of this competitive process.

The control level is at the Nuclear Waste Disposal account level, so the Department may move funding between the repository program and program direction subaccounts.

ENVIRONMENT, SAFETY AND HEALTH

Following the specific request from the Department of Energy for congressional approval to transfer appropriations among accounts as part of the implementation of the Department's reorganization associated with the formation of the Office of Health, Safety and Security, the Committees on Appropriations have approved the request and provided funds formerly included in Environment, Safety and Health in the accounts for which they were requested. Consequently, the amended bill provides no funds for Environment, Safety and Health instead of $31,625,000 as proposed by the House.

INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

The amended bill restates loan guarantee authority as provided in the Energy Policy Act of 2005, and makes this authority available until September 30, 2009. The Department is directed to make no authority available in excess of $38,500,000,000, to be allocated as follows: $18,500,000,000 of loan guarantees are for nuclear power facilities; $6,000,000,000 of loan guarantees are for coal-based power generation and industrial gasification activities at retrofitted and new facilities that incorporate carbon capture and sequestration or other beneficial uses of carbon; $2,000,000,000 of loan guarantees are for advanced coal gasification; $10,000,000,000 of loan guarantees are for renewable and/or energy efficient systems and manufacturing, and distributed energy generation, transmission and distribution; and $2,000,000,000 of loan guarantees

are for advanced nuclear facilities for the "front-end" of the nuclear fuel cycle.

Prior to the issuance of a loan guarantee solicitation, the Department of Energy is directed to submit a loan guarantee implementation plan within 45 days of a solicitation, defining the award levels and eligible technologies, to the Committees on Appropriations for approval. No funds can be made available for the execution of a loan guarantee solicitation until a plan is submitted and approved. Should the plan change after approval by the Committees, it must be submitted again for approval by the Committees. Funding under this heading in the amended bill includes $5,500,000 for administrative expenses for the loan guarantee office, instead of $2,390,000 as proposed by the House, and $8,390,000 as proposed by the Senate. The amended bill includes a provision that enables the Department to credit loan guarantee fees as offsetting collections.

DEPARTMENTAL ADMINISTRATION

(INCLUDING TRANSFER OF FUNDS)

The amended bill provides a net appropriation of $149,778,000 for Departmental Administration expenses. This amount includes a transfer of $99,000,000 from Other Defense Activities for defense-related Departmental Administration activities and the Congressional Budget Office estimate of $161,818,000 for revenues. Specific funding levels for each organization funded under the Departmental Administration account are detailed in the accompanying table. The amended bill provides representation expenses not to exceed $30,000 instead of $5,000 as proposed by the House, and $35,000 as proposed by the Senate.

DOE pension and medical benefits.—The Appropriations Committees reaffirm the House report language regarding the revised contract reimbursement policy concerning pension and medical benefits. A final report by the Government Accountability Office (GAO) assessing the adequacy of the Department's analysis of pension and medical liabilities is due to the Appropriations Committee by April 1, 2008.

Management.—Funding under this heading in the amended bill provides $65,439,000 for the Management account, an increase of $1,500,000 above the budget request for the Office of Management to contract with the National Academy of Public Administration (NAPA), as specified in the House report, for a review of procurement and contracting practices.

Chief Financial Officer.—Funding under this heading in the amended bill provides $42,260,000 for the Office of the Chief Financial Officer, an increase of $2,000,000 over the budget request to complete financial systems upgrades and training.

Loan Guarantee Office.—No funds are provided for the loan guarantee office within the Departmental Administration account. Funding in the amount of $5,500,000 is provided for the loan guarantee office as a separate appropriation.

General Counsel.—Funding under this heading in the amended bill provides $30,076,000 for the General Counsel, the same as the budget request. The agency should direct $500,000 within this ac-

count for new hires to support additional attorney assistance for energy efficiency-related matters.

No funds are provided for the Competitive Sourcing Initiative (A–76), a reduction of $1,770,000 below the request. Funding under this heading in the amended bill provides $3,360,000 for the Public Affairs office, a reduction of $500,000 below the budget request, as adequate prior year balances are available for this account.

OFFICE OF THE INSPECTOR GENERAL

The amended bill provides $46,480,000 for the Office of the Inspector General, instead of $47,732,000 as proposed by the House and the Senate.

ATOMIC ENERGY DEFENSE ACTIVITIES

NATIONAL NUCLEAR SECURITY ADMINISTRATION

The National Nuclear Security Administration (NNSA), a semi-autonomous agency within the Department of Energy, manages the Nation's nuclear weapons programs, nuclear nonproliferation programs, and naval reactors activities.

The amended bill provides $8,894,695,000 for National Nuclear Security Administration activities instead of $8,786,881,000 as proposed by the House and $9,564,545,000 as proposed by the Senate. The amended bill makes funds available until expended.

NUCLEAR WEAPONS ACTIVITIES

U.S. Nuclear Weapons Strategy for the 21st Century.—The Congress agrees to the direction contained in the House and Senate reports requiring the Administration, in consultation with the Secretary of Energy, the Administrator of the NNSA, the Department of Defense, including the Joint Chiefs of Staff and Strategic Command, and the Intelligence Community, and other appropriate independent, non-government science and security advisory organizations, to develop and submit to the Congress a comprehensive nuclear weapons strategy for the 21st century.

Reliable Replacement Warhead.—The amended bill provides no funds for the Reliable Replacement Warhead (RRW), as proposed by the House. As stated in both the House and Senate reports, Congress believes a new strategic nuclear deterrent mission assessment for the 21st century is required to define the associated stockpile requirements and determine the scope of the weapons complex modernization plans. The NNSA is directed to develop a long-term scientific capability roadmap for the national laboratories to be submitted to the Committees on Appropriations.

Advanced Certification.—The Department is directed to implement a new Science Campaign called Advanced Certification. Congress believes the recent findings of the JASON Defense Advisory Group revealed significant systemic gaps in NNSA's stockpile certification process and weapons campaign work products. Therefore, the NNSA is directed to develop a work scope to address: improvement of the weapons certification process through expanded, independent peer review mechanisms and refinement of computational tools and methods; advancement of the physical understanding of surety mechanisms; further exploration of failure modes; manufac-

turing process assessments; and the study of strategic system-level requirements. Funding under this heading in the amended bill provides $15,000,000 in fiscal year 2008 for Advanced Certification activities. The Administrator of the NNSA is directed to submit an expenditure plan for these funds no later than 60 days after enactment of this Act and to submit a report to the Committees on Appropriations no later than six months after enactment of this Act on the progress made in implementing the JASON's recommendations and improving the stockpile certification process.

REPROGRAMMING GUIDELINES

Reprogramming authority.—The Department is provided limited reprogramming authority within the Weapons Activities account without submission of a reprogramming to be approved in advance by the House and Senate Committees on Appropriations. The reprogramming control levels are as follows: subprograms within Directed Stockpile Work; Life Extension Programs, Stockpile Systems, Warhead Dismantlement, and Stockpile Services. Additional reprogramming control levels are as follows: Science Campaigns, Engineering Campaigns, Inertial Confinement Fusion Ignition and High Yield, Advanced Simulation and Computing, Pit Manufacturing and Certification, Readiness Campaigns, and Readiness in Technical Base and Facilities (RTBF). The Department is not provided reprogramming authority between site allocations for Readiness in Technical Base and Facilities Operations of Facilities. In addition, funding of not more than $5,000,000 may be transferred between each of these categories and each construction project, with the exception of the RTBF site allocations, subject to the following limitations: only one transfer may be made to or from any program or project; the transfer must be necessary to address a risk to health, safety or the environment; and funds may not be used for an item for which Congress has specifically denied funds or for a new program or project that has not been authorized by Congress.

The Department must notify Congress within 15 days of the use of this reprogramming authority. Transfers during the fiscal year which would result in increases or decreases in excess of $5,000,000 or which would exceed the limitations outlined in the previous paragraph require prior notification of and approval by the House and Senate Committees on Appropriations.

WEAPONS ACTIVITIES

(INCLUDING TRANSFER OF FUNDS)

The amended bill provides $6,355,633,000 for Weapons Activities instead of $5,879,137,000 as proposed by the House and $6,489,024,000 as proposed by the Senate.

DIRECTED STOCKPILE WORK

Funding under this heading in the amended bill includes $1,413,879,000 for Directed Stockpile Work instead of $1,336,594,000 as proposed by the House and $1,409,521,000 as proposed by the Senate.

Life Extension Program—Funding under this heading in the amended bill includes $236,231,000 for Life Extension Program activities.

Stockpile Systems—Funding under this heading in the amended bill includes $343,152,000 for Stockpile Systems activities.

Reliable Replacement Warhead (RRW).—No funding is provided for the Reliable Replacement Warhead as proposed by the House.

Warhead Dismantlement—Funding under this heading in the amended bill includes $135,888,000 for Warhead Dismantlement. Within the funding provided, $14,846,000 is included for upgrading the Device Assembly Facility (DAF) at the Nevada Test Site for additional missions. The amended bill transfers the Pit Disassembly and Conversion Facility (PDCF) construction project from the Office of Defense Nuclear Nonproliferation to the NNSA Office of Defense Programs. Funding under this heading in the amended bill includes $69,330,000 for the PDCF project.

Stockpile Services—Funding under this heading in the amended bill includes $698,608,000 for Stockpile Services.

CAMPAIGNS

Funding under this heading in the amended bill includes $1,890,717,000 for Campaigns. Within the funds provided, the budget request level of funding is available for the university research program in robotics (URPR).

Science Campaigns—Funding under this heading in the amended bill includes $290,216,000 for Science Campaigns. The Committees on Appropriations include an additional $4,949,000 for Test Readiness activities at the Nevada Test Site to maintain the capabilities restored under the enhanced test readiness program.

Advanced Certification—Funding under this heading in the amended bill includes $15,000,000 for a new campaign focused very narrowly on addressing the long-term scientific issues related to continued certification of the nuclear stockpile without underground nuclear testing and the scientific uncertainties identified by the JASON review of the RRW feasibility study activities. Within the funding provided for Advanced Certification, $5,000,000 is derived from the remaining uncosted balances from the Microsystems and Engineering Science Applications project and the Exterior Communication Infrastructure Modernization contingency funds. The NNSA Administrator must submit a written report to the defense committees by May 1, 2008, outlining a program plan that addresses the specific certification issues, including the issues identified in the JASON RRW review, which will be addressed in the Advanced Certification campaign.

Engineering Campaigns—Funding under this heading in the amended bill includes $171,075,000 for Engineering Campaigns. Within the funds provided, $10,000,000 is available for enhanced surety work to increase the safety and security of nuclear weapons in the existing stockpile and develop new technologies for incorporation into potential future systems. The amended bill authorizes the use of $10,000,000 in remaining uncosted balances from the Microsystems and Engineering Science Applications project and the Exterior Communication Infrastructure Modernization contingency

funds to initiate a construction start for the Ion Beam Laboratory Project.

Inertial Confinement Fusion Ignition and High Yield.—Funding under this heading in the amended bill includes $474,442,000 for Inertial Confinement Fusion Ignition and High Yield. This funding includes an additional $15,113,000 to accelerate target development and fabrication, and restores $29,691,000 of funding for the Inertial Fusion Technology program. Within the funds provided for Inertial Fusion Technology, $14,691,000 is for continuing development of high average power lasers and $15,000,000 is for the Naval Research Laboratory. A total of $62,044,000 is provided for the Laboratory for Laser Energetics (LLE) operations, an increase of $9,000,000 over the budget request, to provide additional shots to support the goal of an ignition demonstration at the National Ignition Facility (NIF) in 2010. An additional $13,000,000 is provided to fully fund single shift operations of the Z machine at Sandia National Laboratory. Z machine operations funding includes $28,887,000 provided within the Readiness and Technical Base and Facilities (RTBF) subheading account in Weapons Activities.

Advanced Simulation and Computing.—Funding under this heading in the amended bill includes $579,714,000 for Advanced Simulation and Computing. The Department of Energy is directed to establish the Institute for Advanced Architectures and Algorithms between the NNSA and the Department of Energy Office of Science with Centers of Excellence at Sandia National Laboratories and Oak Ridge National Laboratory. These Centers will execute a national program involving industry, universities and national laboratories that is focused on technologies to sustain the U.S. leadership in high performance computing. The NNSA ASC and Office of Science ASCR programs will jointly fund the program and provide direction needed to support the goal of developing exascale computing for the Nation.

Pit Manufacturing and Certification.—Funding under this heading in the amended bill includes $215,758,000 for Pit Manufacturing and Certification. The Administrator is directed to manage the pit activities as a single, coherent project and adopt strict adherence to DOE Order 413.3A. No funds are provided for the consolidated plutonium center.

Until a modern nuclear weapons strategy, including required pit production capacity defined by nuclear stockpile requirements, is developed, the NNSA is directed to constrain the out-year planning for plutonium operations to a pit production capacity no greater than 80 pits per year. The NNSA Administrator is directed to provide quarterly reports to the Committees on Appropriations on pit production, with the first report due on April 1, 2008.

Readiness Campaigns—Funding under this heading in the amended bill includes $159,512,000 for Readiness Campaigns.

Readiness in Technical Base and Facilities

Funding under this heading in the amended bill provides $1,652,132,000 for Readiness in Technical Base and Facilities instead of $1,479,632,000 as proposed by the House and $1,659,248,000 as proposed by the Senate.

Operations of Facilities—Funding under this heading in the amended bill includes $1,164,856,000 for RTBF Operations of Facilities. Within the funds provided, an additional $37,649,000 is for the Y–12 Plant in Tennessee and $18,817,000 for the Pantex Plant in Texas and $9,064,000 for the Lawrence Livermore National Laboratory in California and $17,011,000 for implementation of a Classified Vaults project at Los Alamos National Laboratory in New Mexico. The House direction is adopted providing the RTBF Operations and Facilities site funding in site-specific allocations in the detail table at the end of title III. All proposed shifts in funding between site-specific allocations require the submittal of a reprogramming request to the House and Senate Committees on Appropriations.

Program Readiness—Funding under this heading in the amended bill includes $70,731,000 for Program Readiness.

Material Recycling and Recovery—Funding under this heading in the amended bill includes $72,212,000 for Material Recycling and Recovery, an increase of $2,250,000 over the budget request.

Containers.—Funding under this heading in the amended bill includes $21,956,000 for Containers, an increase of $2,772,000 over the budget request.

Storage.—Funding under this heading in the amended bill includes $34,772,000 for Storage.

Construction—Funding under this heading in the amended bill includes $287,605,000 for RTBF Construction. This funding includes $15,143,000 for Project 08–D–802, High Explosive Pressing Facility, Pantex, Texas; $41,926,000 for Project 06–D–140, Project Engineering and Design (PED), various locations, including $38,957,000 for Project 06–D–140–05 Uranium Processing Facility (UPF), Y–12 Plant, Oak Ridge, Tennessee. Within the funds provided for Project 06–D–140, $990,000 is provided for Project 06–D–140–01, TA–55 Radiography Facility, Los Alamos National Laboratory, New Mexico. Funding under this heading also includes $1,979,000 for Project 05–D–140, Project Engineering and Design, various locations; $74,809,000 for Project 04–D–125, Chemistry and Metallurgy Facility Replacement Project, Los Alamos National Laboratory, New Mexico; $29,152,000 for Project 04–D–128, TA–18 Mission Relocation Project, Los Alamos National Laboratory, New Mexico; and $76,208,000 for Project 01–D–124, HEU Materials Facility, Y–12 Plant, Oak Ridge, Tennessee.

Facilities and Infrastructure Recapitalization

Funding under this heading in the amended bill includes $181,613,000 for Facilities and Infrastructure Recapitalization.

Secure Transportation Asset

Funding under this heading in the amended bill includes $213,428,000 for Secure Transportation Asset.

Nuclear Weapons Incident Response

Funding under this heading in the amended bill includes $160,084,000 for Nuclear Weapons Incident Response.

ENVIRONMENTAL PROJECTS AND OPERATIONS

Funding under this heading in the amended bill includes $8,669,000 for Environmental Projects and Operations.

SAFEGUARDS AND SECURITY

Safeguards and Security.—Funding under this heading in the amended bill includes $907,625,000 for Safeguards and Security. Within these funds are provided $7,000,000 to each of the following facilities: the Los Alamos National Laboratory in New Mexico, the Y–12 Plant in Tennessee, and the Lawrence Livermore National Laboratory in California, for additional physical and cyber security upgrades to meet Design Basis Threat requirements and address cyber security vulnerabilities.

Construction.—Funding for safeguards and Security includes $71,751,000 for construction activities. An additional $14,846,000 is provided for the refurbishment of Building 651 and completion of Building 691 at the Idaho National Laboratory to handle special nuclear material consolidation, storage and other missions. The amended bill transfers $4,900,000 provided in fiscal year 2006 in the Other Defense Activities account to begin planning activities for the Idaho project.

FUNDING ADJUSTMENTS

Funding Adjustments—Funding under this heading in the amended bill includes the use of $86,514,000 of prior year balances made available from completed or cancelled construction projects. The recommendation includes an adjustment of $34,000,000 for the safeguards and security charge for reimbursable work.

Congressionally Directed Projects—Funding under this heading in the amended bill includes $48,000,000 in congressionally directed projects.

CONGRESSIONALLY DIRECTED WEAPONS ACTIVITIES PROJECTS

PROJECT	
ADVANCED ENGINEERING ENVIRONMENT AT SANDIA LABORATORY (CA, MA)	$1,500,000
ATOMIC TESTING MUSEUM IN LAS VEGAS, FOR OPERATIONS AND MAINTENANCE (NV)	600,000
CIMTRAK CYBER SECURITY (IN)	1,000,000
INTERAGENCY ADVANCED COMPUTING RESEARCH, EQUIPMENT AND FACILITIES AT NEXTEDGE TECHNOLOGY PARK (OH)	4,000,000
KANSAS CITY PLANT MULTI-DISCIPLINED INTEGRATED COLLABORATION (MO)	1,000,000
LABORATORY FOR ADVANCED LASER-TARGET INTERACTIONS (OH)	2,000,000
NATIONAL MUSEUM OF NUCLEAR SCIENCE AND HISTORY IN ALBUQUERQUE, NEW MEXICO, FOR THE MUSEUM SITE (NM)	750,000
NEVADA TEST SITE FOR OPERATIONS AND INFRASTRUCTURE IMPROVEMENTS (NV)	18,000,000
NORTH DAKOTA STATE UNIVERSITY (FARGO) TO SUPPORT COMPUTING CAPABILITY (ND)	8,000,000
NORTHWEST INDIANA COMPUTATIONAL GRID AT NOTRE DAME AND PURDUE CALUMET UNIVERSITIES (IN)	6,000,000
SECURE WIRELESS DEVICES AND SENSORS (IN)	250,000
TECHNICAL PRODUCT DATA INITIATIVE (OH)	1,000,000
UNIVERSITY OF NEVADA-LAS VEGAS FOR IN-SITU NANOMECHANICS (NV)	350,000
UNIVERSITY OF TEXAS IN AUSTIN, TEXAS, TO COMPLETE THE CONSTRUCTION OF THE PETAWATT LASER (TX)	3,500,000

DEFENSE NUCLEAR NONPROLIFERATION

(INCLUDING RESCISSIONS OF FUNDS)

The amended bill provides a total program level of $1,673,275,000 for Defense Nuclear Nonproliferation instead of $2,070,646,000 as proposed by the House and $1,929,646,000 as proposed by the Senate. The amended bill includes $1,351,275,000 of new budget authority and the use of $322,000,000 of prior year balances in fiscal year 2008.

NONPROLIFERATION AND VERIFICATION RESEARCH AND DEVELOPMENT

Funding under this heading in the amended bill includes $390,752,000 for Nonproliferation and Verification Research and Development, an increase of $125,500,000 over the budget request. The amended bill provides an additional $60,000,000 in proliferation detection to expand research in critical research and development for high-risk, high return nuclear detection capabilities and an additional $20,000,000 for the implementation of a sustained research and development capacity in nuclear detection and nuclear materials security. The NNSA has the lead responsibility for the federal government in nuclear detection, counter-proliferation and counter-terrorism, and this capability must be sustained to meet the evolving threats. An additional $20,500,000 is provided for nuclear explosion monitoring.

This account includes $25,000,000 for Project 06–D–180, National Security Laboratory at the Pacific Northwest National Laboratory, an increase of $25,000,000 over the request. Funds not needed for project engineering and design (PED) on Project 06–D–180 may be used without prior committee approval for Project 06–D–180 construction activities.

The Department is directed to conduct a competitive solicitation open to all federal and non-federal entities toward an integrated suite of research, technology development and demonstration areas including infrasound, hydroacoustic for ground-based systems treaty monitoring activities. The competitive process should award not less than $5,000,000 of the additional funding for nuclear explosion monitoring for research and development activities for ground-based treaty monitoring.

NONPROLIFERATION AND INTERNATIONAL SECURITY

Funding under this heading in the amended bill includes $151,370,000 for Nonproliferation and International Security, an increase of $26,500,000 over the budget request. An additional $8,000,000 is provided for Dismantlement and Transparency; an additional $10,000,000 for Global Security Engagement and Cooperation for Global Initiatives for Proliferation and Prevention; and an additional $8,500,000 for International Regimes and Agreements to expand international cooperation on multilateral nuclear nonproliferation goals and objectives.

Nuclear Disablement Activities in North Korea.—The Committees on Appropriations are concerned about the NNSA resources required to support disablement of North Korea's nuclear weapons

arsenal and production capability. The Committees on Appropriations strongly support NNSA's contributions to this diplomatic mission, but remain concerned about relying upon a mid-year reprogramming of resources from other critical nonproliferation programs to support what is currently a fluid and uncertain effort. From within the funds provided for Nonproliferation and International Security, the NNSA has funding discretion to provide up to $10,000,000 toward NNSA activities to continue disablement activities to shut down nuclear weapons activities in North Korea. The Department is directed to submit a supplemental budget request if additional resources are required to continue activities during fiscal year 2008.

INTERNATIONAL NUCLEAR MATERIALS PROTECTION AND COOPERATION

Funding under this heading in the amended bill includes $630,217,000 for International Nuclear Materials Protection and Cooperation. Within the funds provided, $269,331,000 is available for Second Line of Defense activities, including an additional $50,000,000 for the Megaports initiative to accelerate deployment of radiation detection equipment at international seaports.

ELIMINATION OF WEAPONS-GRADE PLUTONIUM PRODUCTION

Funding under this heading in the amended bill includes $181,593,000 for the Elimination of Weapons-Grade Plutonium Production program, the same as the budget request.

FISSILE MATERIALS DISPOSITION

Funding under this heading in the amended bill includes $66,843,000 for Fissile Materials Disposition, as proposed by the House. Program activities and functions for the Mixed Oxide (MOX) Fuel Fabrication Facility construction project are transferred to the Office of Nuclear Energy and the program activities and functions for the Pit Disassembly and Conversion Facility (PDCF) activity are transferred to the NNSA Office of Defense Programs. The use of $322,000,000 in prior year balances is specified under Funding Transfers from the Russian Plutonium Disposition activities and the Mixed Oxide Fuel Fabrication project for other purposes within Defense Nuclear Nonproliferation. A total of $115,000,000 of unobligated, uncosted prior year balances are transferred to the Nuclear Energy account.

GLOBAL THREAT REDUCTION INITIATIVE

Funding under this heading in the amended bill includes $195,000,000 for Global Threat Reduction Initiative, an increase of $75,374,000 over the budget request.

INTERNATIONAL NUCLEAR FUEL BANK

The amended bill provides $50,000,000 for an International Nuclear Fuel Bank initiative. The $50,000,000 for the International Nuclear Fuel Bank is the United States Government's contribution to an international effort to establish a nuclear fuel supply for

peaceful means under the auspices of the International Atomic Energy Agency (IAEA). The International Nuclear Fuel Bank will provide a nuclear fuel stockpile to be available as a fuel supply reserve for nations that have made the sovereign choice to develop their civilian nuclear energy industry based on foreign sources of nuclear fuel and therefore have no requirement to develop an indigenous nuclear fuel enrichment capability. Not later than 120 days after the date of enactment of this Act, the Secretary of Energy shall transmit to the House and Senate Committees on Appropriations and the Committee on Foreign Affairs of the House of Representatives and the Committee on Foreign Relations of the Senate a report on the progress of the United States to support the establishment of a nuclear fuel supply for peaceful means under the auspices of the IAEA.

RELIABLE FUEL SUPPLY

The Secretary of Energy established a stockpile of low enriched nuclear fuel from the down blend of 17.4 metric tons of Highly Enriched Uranium, excess to U.S. needs. This stockpile was to be designated for the sale to foreign countries that support U.S. nonproliferation goals in the event of an unforeseen supply disruption in the global nuclear fuel market. In light of the establishment of the International Nuclear Fuel Bank, the Secretary is directed to allow U.S. interests to purchase uranium fuel from the Reliable Fuel Supply in the event of a supply disruption.

FUNDING ADJUSTMENTS

The funding adjustments in Defense Nuclear Nonproliferation include the use of $322,000,000 of prior year balances. The sources of the prior year balances are $57,000,000 from the Russian Surplus Materials Disposition program, $115,000,000 from unobligated, uncosted balances within the Mixed Oxide fuel fabrication facility construction activities, and the remaining $151,000,000 of unexpended balances from the Russian material disposition funding provided in the fiscal year 1999 emergency supplemental (P.L. 105–277).

Congressionally Directed Projects.—Funding provided in the amended bill under this heading includes $7,500,000 in congressionally directed projects within the Defense Nuclear Nonproliferation account.

CONGRESSIONALLY DIRECTED DEFENSE NUCLEAR NONPROLIFERATION PROJECTS

PROJECT	
GEORGE MASON UNIVERSITY CENTER FOR BIODEFENSE AND INFECTIOUS DISEASE RESEARCH (VA)	$3,000,000
NEW ENGLAND RESEARCH IN WHITE RIVER JUNCTION, VERMONT, FOR THE CAUCASUS SEISMIC NETWORK (TX)	1,500,000
NUCLEAR SECURITY SCIENCE AND POLICY INSTITUTE, TEXAS A&M (TX)	2,000,000
OFFSHORE DETECTION INTEGRATED SYSTEM (OH)	1,000,000

NAVAL REACTORS

The amended bill provides $781,800,000 for Naval Reactors, the same funding level as fiscal year 2007.

OFFICE OF THE ADMINISTRATOR

The amended bill provides $405,987,000 for the Office of the Administrator. The Administrator is directed to support the increase in Defense Nuclear Nonproliferation activities with sufficient resources to support federal travel requirements to support the expanded nuclear nonproliferation activities.

Congressionally Directed Projects.—Funding under this heading in the amended bill includes $22,500,000 in congressionally directed projects in support of the Historically Black Colleges and Universities (HBCU) programs within the Office of the Administrator account.

CONGRESSIONALLY DIRECTED OFFICE OF THE ADMINISTRATOR (NNSA) PROJECTS

PROJECT	
ACE PROGRAM AT MARICOPA COMMUNITY COLLEGES (AZ)	$1,000,000
MOREHOUSE COLLEGE ENERGY SCIENCE RESEARCH AND EDUCATION INITIATIVE (GA)	2,000,000
SOUTH CAROLINA HBCU MATH AND SCIENCE INITIATIVE (SC)	10,500,000
WILBERFORCE HBCU (OH)	1,500,000
CENTRAL STATE HBCU (OH)	1,500,000
EDUCATIONAL ADVANCEMENT ALLIANCE HBCU GRADUATE PROGRAM (PA)	4,000,000
MARSHALL FUND MINORITY ENERGY SCIENCE INITIATIVE (MD)	2,000,000

ENVIRONMENTAL AND OTHER DEFENSE ACTIVITIES

DEFENSE ENVIRONMENTAL CLEANUP

(INCLUDING TRANSFER OF FUNDS)

The amended bill provides $5,398,573,000 for the Defense Environmental Cleanup program, instead of $5,766,561,000 as proposed by the House, and $5,690,380,000 as proposed by the Senate. The agency should direct the Department to fund hazardous waste worker training at $10,000,000 within available funds.

Economic development.—The Appropriations Committees direct that none of the Defense Environmental Cleanup funds are available for economic development activities unless specifically authorized by law.

Internal Reprogramming authority.—In fiscal year 2008, the Department may transfer up to $5,000,000 within accounts and between accounts, as noted in the table below, to reduce health or safety risks or to gain cost savings as long as no program or project is increased or decreased by more than $5,000,000 in total during the fiscal year. This reprogramming authority may not be used to initiate new programs or to change funding for programs specifically denied, limited, or increased by Congress in the Act or explanatory statement. The Committees on Appropriations in the House and Senate must be notified within thirty days of the use of this reprogramming authority.

Account Control Points:

- Closure Sites
- Savannah River site, nuclear material stabilization and disposition
- Savannah River site, 2012 accelerations
- Savannah River site, 2035 accelerations
- Savannah River Tank Farm
- Waste Isolation Pilot Plant
- Idaho National Laboratory
- Oak Ridge Reservation
- Hanford site 2012 accelerated completions
- Hanford site 2035 accelerated completions
- Office of River Protection (ORP) Waste Treatment & Immobilization Plant (WTP)
- ORP WTP Pretreatment facility
- ORP WTP High-level waste facility
- ORP WTP Low activity waste facility
- ORP WTP Analytical laboratory
- ORP WTP Balance of facilities
- Program Direction
- Program Support
- Uranium Enrichment D&D Fund contribution
- Technology Development

Closure Sites.—Funding under this heading in the amended bill includes $42,437,000, the same as the budget request.

Savannah River Site.—Funding under this heading provides $1,141,590,000 for cleanup at the Savannah River Site, a decrease of $64,500,000 below the budget request. The Department accommodated funding shortfalls at the Savannah River Site during fis-

cal year 2007, therefore the Appropriations Committees adjust the fiscal year 2008 funding to reflect the additional funds provided in fiscal year 2007. Funding under this heading provides $1,000,000 for the plutonium vitrification facility, a reduction of $14,000,000 below the budget request. The Appropriations Committees will reconsider funding this project again when plutonium vitrification has been confirmed by the Department as a plausible disposition pathway for the small amount of plutonium not appropriate for MOX fuel.

Waste Isolation Pilot Plant (WIPP).—Funding under this heading in the amended bill provides $236,739,000 for the WIPP, an increase of $17,000,000 over the budget request for the activities listed in the Senate report, including the Center of Excellence for Hazardous Materials.

Idaho National Laboratory.—Funding under this heading in the amended bill provides $513,026,000 for the Idaho National Laboratory (INL), an increase of $9,000,000 for cleanup activities. The funding levels provided under this heading for INL reflect a redistribution of the budget request to better reflect the current needs at the INL.

Oak Ridge Reservation.—Funding under this heading in the amended bill provides $192,284,000 for the Oak Ridge Reservation, an increase of $13,000,000 over the budget request, to include $30,000,000 for the disposition of material in building 3019, an increase of $10,000,000 over the budget request. Funding under this heading provides $9,379,000 for soil and water remediation at offsite locations, an increase of $3,000,000 to accelerate the completion of the David Witherspoon sites.

Hanford Site.—Funding under this heading in the amended bill provides $894,640,000 for the Hanford Site, an increase of $17,560,000 over the budget request. Of this increase, the $10,000,000 is for increased groundwater remediation, and $7,560,000 is for additional transuranic waste retrieval and characterization, and mixed low-level and low-level waste disposal to meet Tri-Party Agreement milestones. Within available funds, the agency is directed to fund the Volpentest Hazardous Materials Management and Emergency Response (HAMMER) training and education center, and B-Plant preservation at no less than fiscal year 2006 levels.

Office of River Protection.—Funding under this heading in the amended bill provides $978,443,000 for the Office of River Protection, an increase of $15,000,000 over the budget request. The increase is to support the demonstration of the bulk vitrification system, and to support tank farm retrievals. Funding under this heading provides $690,000,000 for the Waste Treatment Plant.

Program direction.—Funding under this heading in the amended bill provides $309,760,000 for program direction.

Program support.—Funding under this heading in the amended bill provides $33,146,000 for program support.

Federal Contribution to Uranium Enrichment Decontamination and Decommissioning Fund.—Funding under this heading in the amended bill includes the budget request of $463,000,000 for the Federal contribution to the Uranium Enrichment Decontamination and Decommissioning Fund as authorized in Public Law 102–486.

Technology development and deployment.—Funding under this heading in the amended bill provides $21,389,000 for the technology development and deployment program.

NNSA Sites.—Funding under this heading in the amended bill provides $292,930,000 for NNSA sites, an increase of $21,800,000 over the budget request. Of the increase, $7,800,000 is provided for Pantex for required groundwater remediation and monitoring wells, and $14,000,000 supports additional cleanup at Los Alamos National Laboratory.

Safeguards and security.—Funding under this heading in the amended bill provides $261,714,000 for safeguards and security, a reduction of $11,667,000 due to sufficient uncosted carryover balances in fiscal year 2007.

Legacy Management.—The Appropriations Committees do not support the consolidation of Legacy Management activities within the Defense Environmental Management account as proposed by the House.

Material Consolidation Office.—The Appropriations Committees remain skeptical regarding the quality of the analytical underpinnings of the Department's decision to utilize H-canyon as the primary disposition pathway for material consolidation efforts. The Appropriations Committees await the findings of the GAO review in early 2008, and will make future recommendations accordingly. The Appropriations Committees provide funding for H-canyon operations and plutonium vitrification at the Savannah River Site, and do not support the House proposal to restrict the funds to the Headquarters office at this time.

Congressional Directed Projects.—Funding under this heading in the amended bill provides $17,475,000 for congressionally directed projects.

CONGRESSIONALLY DIRECTED DEFENSE ENVIRONMENTAL CLEANUP PROJECTS

PROJECT	
CELLULAR BIOENGINEERING, INC., HONOLULU, HAWAII, TO CONTINUE DEVELOPMENT OF POLYMERIC HYDROGELS FOR RADIATION DECONTAMINATION (HI)	$1,500,000
CEREMATEC INCORPORATED IN SALT LAKE CITY, UTAH, FOR REMEDIATION OF LOW-LEVEL NUCLEAR WASTE UTILIZING CERAMIC IONIC TRANSPORT MEMBRANES (UT)	1,500,000
INTERNATIONAL ALTERNATIVE CLEANUP TECHNOLOGY AGREEMENT (PA, SC)	5,000,000
SAVANNAH RIVER NATIONAL LAB IN SOUTH CAROLINA FOR INTEGRATED COLLABORATIVE PROTOTYPING ENVIRONMENT (SC)	1,000,000
UNIVERSITY OF NEVADA, RENO, CENTER FOR MATERIALS RELIABILITY (NV)	2,725,000
UNIVERSITY OF NEVADA, RENO, DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING, FOR CONTINUED EXPANSION OF THE JAMES E. ROGERS AND LOUIS WEINER JR. LARGE-SCALE STRUCTURES LABORATORY (NV)	2,000,000
UNIVERSITY OF NEVADA, RENO, FIRE SCIENCE ACADEMY AT ELKO (NV)	1,000,000
UNIVERSITY OF NEVADA, RENO, TECHNOLOGY TRANSFER INITIATIVE (NV)	750,000
WESTERN ENVIRONMENTAL TECHNOLOGY OFFICE (MT)	2,000,000

OTHER DEFENSE ACTIVITIES

(INCLUDING TRANSFER OF FUNDS)

The amended bill provides $761,290,000 for Other Defense Activities instead of $604,313,000 as proposed by the House and $765,464,000 as proposed by the Senate.

OFFICE OF HEALTH, SAFETY, AND SECURITY

Funding under this heading in the amended bill includes $429,348,000 for the Office of Health, Safety, and Security as proposed by the Senate. The reorganization requested by the Department—combining the Office of Environment, Safety, and Health and the Office of Security and Performance Assurance—is adopted. Within the funds provided, $16,500,000 is available for the Worker Health Screening program, an increase of $4,000,000 over the budget request. The Office of Health, Safety, and Security is directed to initiate an early lung cancer screening program as proposed by the Senate.

LEGACY MANAGEMENT

Funding under this heading in the amended bill includes $156,379,000 for the Office of Legacy Management, a reduction of $2,684,000 from the budget request. From within available funds, $500,000 is provided for the Rocky Flats Cold War Museum in Colorado.

FUNDING FOR DEFENSE ACTIVITIES IN IDAHO

Funding under this heading in the amended bill includes $75,949,000 to fund defense-related activities at the Idaho National Laboratory.

DEFENSE-RELATED ADMINISTRATIVE SUPPORT

Funding under this heading in the amended bill includes $99,000,000 to provide administrative support for programs funded in the atomic energy defense activities account.

OFFICE OF HEARINGS AND APPEALS

Funding under this heading in the amended bill includes $4,607,000 for the Office of Hearings and Appeals.

FUNDING ADJUSTMENTS

Funding adjustments include an offset of $3,003,000 for the safeguards and security charge for reimbursable work and the use of $990,000 of prior year balances.

DEFENSE NUCLEAR WASTE DISPOSAL

The amended bill provides $201,000,000 for Defense Nuclear Waste Disposal instead of $292,046,000 as proposed by the House and $242,046,000 as proposed by the Senate.

POWER MARKETING ADMINISTRATIONS

BONNEVILLE POWER ADMINISTRATION FUND

The amended bill provides no new borrowing authority for the Bonneville Power Administration (BPA) during fiscal year 2008.

The Appropriations Committees have opposed the Administration's past proposal regarding BPA net secondary revenues and hope the Administration will not pursue the proposal in fiscal year 2008 or 2009.

OPERATION AND MAINTENANCE, SOUTHEASTERN POWER ADMINISTRATION

The amended bill provides $6,463,000 for the Southeastern Power Administration as proposed by both the House and Senate, including $62,215,000 for purchase power and wheeling and includes $48,413,000 of offsetting collections.

OPERATION AND MAINTENANCE, SOUTHWESTERN POWER ADMINISTRATION

The amended bill provides $30,442,000 for the Southwestern Power Administration as proposed by both the House and Senate, including $45,000,000 for purchase power and wheeling and includes $35,000,000 of offsetting collections.

CONSTRUCTION, REHABILITATION, OPERATION AND MAINTENANCE, WESTERN AREA POWER ADMINISTRATION

The amended bill includes $231,030,000 as proposed by the Senate instead of $201,030,000 as proposed by the House. The amended bill provides for a total program level of $755,911,000 for Western, which includes $62,915,000 for construction and rehabilitation, $53,271,000 for system power operation and maintenance, $475,254,000 for purchase power and wheeling, $157,304,000 for program direction and $7,167,000 for the Utah Mitigation and Conservation Fund.

Offsetting collections total $312,639,000, including the of $3,937,000 of offsetting collections from the Colorado River Dam Fund (as authorized in Public Law 98–381).

The Appropriations Committees reject the budget's proposed funding reduction for Construction, Rehabilitation, Operations, and Maintenance. The budget's proposal to rely more heavily on alternative financing for these activities is unrealistic.

Congressional Directed Projects.—The agency should, within available funds, provide $3,000,000 for the Colorado River Transmission Line.

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND

The amended bill includes $2,500,000 for the Falcon and Amistad Operating and Maintenance Fund as proposed by both the House and Senate.