

(\$ in thousands)	FY 2010 Congressional Request	FY 2010 Final House Mark	FY 2010 Final Senate Mark	FY 2010 Current Appropriation
FOSSIL ENERGY R&D				
Coal	368,865	394,315	428,200	393,485
Natural Gas Technologies	25,000	25,000	25,000	17,364
Unconventional Fossil Energy Technologies	0	0	25,000	19,474
Program Direction	158,000	158,000	158,000	158,000
Plant & Capital Equipment	20,000	20,000	20,000	20,000
Environmental Restoration	10,000	10,000	10,000	10,000
Cooperative Res. & Development	0	0	5,000	4,868
Congressional Directed Projects	0	9,550	27,300	35,879
Special Recruitment Program	700	700	700	700
Subtotal	582,565	617,565	699,200	659,770
Transfer from Biomass (non-add)				
TOTAL FOSSIL ENERGY R&D	582,565	617,565	699,200	659,770
STRATEGIC PETROLEUM RESERVE				
Facilities Expansion	0	0	30,000	25,000
Facilities Development	229,073	228,573	229,073	218,823
Use of offsetting receipts				
Use of prior year balances	0	0	0	0
TOTAL, STRATEGIC PETROLEUM RESERVE	229,073	228,573	259,073	243,823
NORTHEAST HOME HEATING OIL RESERVE	11,300	11,300	11,300	11,300
NAVAL PET. & OIL SHALE RESERVES				
Total NPR & Oil Shale Reserves	23,627	23,627	23,627	23,627
SPR PETROLEUM ACCOUNT*	0	0	0	0
ELK HILLS SCHOOL LANDS FUNDS	0	0	0	0
Use of prior year balances	0	0	0	0
TOTAL FOSSIL ENERGY PROG.	846,565	881,065	993,200	938,520
*\$21,586 was moved to SPR facilities Development in 2009				

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CLEAN COAL POWER INITIATIVE	0	0	0	0
FUTUREGEN	0	0	0	0
FUELS AND POWER SYSTEMS				
Innovations for Existing Plants	41,000	41,000	58,000	50,630
Advanced Integrated Gasification Combined	55,000	55,000	65,000	61,341
Advanced Turbines	31,000	31,000	32,000	31,158
Carbon Sequestration	144,865	144,865	160,200	149,944
Fuels	15,000	40,450	25,000	24,341
Fuel Cells	54,000	54,000	58,000	48,683
Advanced Research	28,000	28,000	30,000	27,388
Subtotal, Fuels and Power Systems	368,865	394,315	428,200	393,485
TOTAL COAL	368,865	394,315	428,200	393,485
NATURAL GAS TECHNOLOGIES	25,000	25,000	25,000	17,364
UNCONVENTIONAL FOSSIL ENERGY	0	0	25,000	19,474
PROGRAM DIRECTION				
Indirect Program Direction	127,194	127,194	127,194	127,194
NETL Direct Program Direction	28,887	28,887	28,887	28,887
Alaska Natural Gas Transportation Project	0	0	0	0
Imports/Export Authorization	1,919	1,919	1,919	1,919
Subtotal, Fossil Energy R&D Program Direction	158,000	158,000	158,000	158,000
PLANT & CAPITAL EQUIPMENT	20,000	20,000	20,000	20,000
ENVIRONMENTAL RESTORATION	10,000	10,000	10,000	10,000
COOPERATIVE RES. & DEVELOPMENT	0	0	5,000	4,868
CONGRESSIONALLY DIRECTED PRIORITIES	0	9,550	28,300	35,879
SPECIAL RECRUITMENT PROGRAMS	700	700	700	700
USE OF PRIOR YEAR BALANCES	0	0	0	0
TOTAL FOSSIL ENERGY R&D	582,565	617,565	675,200	659,770
<u>CLEAN COAL POWER INITIATIVE</u>	0	0	0	
<u>FUTUREGEN</u>	0	0	0	
<u>FUELS AND POWER SYSTEMS</u>				
<u>INNOVATIONS FOR EXISTING PLANTS</u>				
CO2 Carbon Capture and Storage	39,852	41,000	58,000	44,956
Fine Particulate Control/Air Toxics	0		0	1,891
National Labs -Competitive	0		0	0
By-Products and Water Management	0		0	3,783
SBIR/STTR	1,148	0	0	
Total Innovations for Existing Plants	41,000	41,000	58,000	50,630

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ADVANCED INTEGRATED GASIFICATION COMBINED CYCLE				
Gasification Systems Technology	49,572	51,000	0	57,056
Systems Analysis/Product Integration	3,888	4,000	0	4,285
SBIR/STTR	1,540	0	0	
Total Advanced Integrated Gasification Combined Cycle	55,000	55,000	65,000	61,341
ADVANCED TURBINES				
Hydrogen Turbines	30,132	31,000	32,000	31,158
SBIR/STTR	868	0	0	0
Total Turbines	31,000	31,000	32,000	31,158
CARBON SEQUESTRATION				
Greenhouse Gas Control	127,200	130,865	0	136,313
Focus Area for Carbon Sequestration Science	13,608	14,000	0	13,631
Center for beneficial use of CO2 for non- geologic activities	4,057	0	0	0
SBIR/STTR				0
Total Carbon Sequestration	144,865	144,865	160,200	149,944
FUELS				
Hydrogen from Coal Research				
Hydrogen from Coal	11,638	0	0	17,330
Coal and Coal-Biomass to Liquids	2,942	0	0	7,011
SBIR/STTR	420	0	0	0
Total Fuels	15,000	40,450	25,000	24,341
FUEL CELLS				
Innovative Systems Concepts/SECA	52,488	54,000	58,000	48,683
SBIR/STTR	1,512	0	0	
Total Fuel Cells	54,000	54,000	58,000	48,683
ADVANCED RESEARCH				
Coal Utilization Science (CUS)				
CUS - Sensors and Controls - Novel	7,872	8,100	0	7,887
CUS - Computational System Dynamics	2,722	2,800	0	2,726
Total, Coal Utilization Science	10,594	10,900	0	10,613
High Performance Materials	8,845	9,100	0	8,860
Transformational Technologies for Carbon	0	0	0	0
Novel Electrochemical Energy Conversion and Storage	0	0	0	0
Coal Technology Export	650	650	0	650
Bioprocessing of Coal	50	50	0	50
Environmental Activities	450	450	0	450
Technical & Econ. Analyses	500	500	0	500
International Prog. Support	700	700	0	700
Focus Area for Computational Energy Science	2,400	2,400	0	2,400
University Coal Research	2,333	2,400	0	2,337
HBCUs, Education & Training	826	850	0	828
LNG Report	0	0	0	0
Modeling and Simulation	0	0	0	0
CCS Modeling	0	0	0	0
SBIR/STTR	652	0	0	0
Total Advanced Research	28,000	28,000	30,000	27,388
TOTAL FUELS AND POWER SYSTEMS	368,865	394,315	428,200	393,485

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<u>NATURAL GAS TECHNOLOGIES</u>				
Gas Hydrates	24,300	25,000	15,000	14,606
Gas Hydrates	24,300	25,000	15,000	14,606
Effective Environmental Protection	0	0	10,000	2,758
Environmental Science	0	0	10,000	2,758
TOTAL NATURAL GAS TECHNOLOGIES	25,000	25,000	25,000	17,364
<u>UNCONVENTIONAL FOSSIL ENERGY</u>				
UNCONVENTIONAL FOSSIL ENERGY Risk Based Data Management System	0	0	25,000	19,474
Total UNCONVENTIONAL FOSSIL ENERGY	0	0	25,000	19,474
<u>PROGRAM DIRECTION</u>				
<u>INDIRECT PROGRAM DIRECTION</u>				
<u>Research and Development</u>				
Hdqtrs. Program Direction	30,931	30,931	30,931	30,931
Salaries & Benefits	18,163	18,163	18,163	18,163
Travel	1,000	1,000	1,000	1,000
Contract Services	<u>11,768</u>	<u>11,768</u>	<u>11,768</u>	<u>11,768</u>
Technical and Management Support Services	4,200	4,200	4,200	4,200
Computer Systems and Support	1,040	1,040	1,040	1,040
E-Government Initiatives	80	80	80	80
Working Capital Fund	6,448	6,448	6,448	6,448
Field Program Direction	96,263	96,263	96,263	96,263
Salaries & Benefits	50,600	50,600	50,600	50,600
Travel	1,673	1,673	1,673	1,673
Contract Services				
Technical and Management Support Services	43,990	43,990	43,990	43,990
Total Headquarters Indirect Program Direction	30,931	30,931	30,931	30,931
Salaries & Benefits	18,163	18,163	18,163	18,163
Travel	1,000	1,000	1,000	1,000
Contract Services	<u>11,768</u>	<u>11,768</u>	<u>11,768</u>	<u>11,768</u>
Technical and Management Support Services	4,200	4,200	4,200	4,200
Computer Systems and Support	1,040	1,040	1,040	1,040
Government-Wide E-Government Initiatives	80	80	80	80
Working Capital Fund	6,448	6,448	6,448	6,448
Total Field Indirect Program Direction	96,263	96,263	96,263	96,263
Salaries & Benefits	50,600	50,600	50,600	50,600
Travel	1,673	1,673	1,673	1,673
Contract Services				
Technical and Management Support Services	43,990	43,990	43,990	43,990
TOTAL INDIRECT PROGRAM DIRECTION	127,194	127,194	127,194	127,194

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<u>NETL DIRECT PROGRAM DIRECTION</u>				
Coal R&D Direct Program Direction	28,887	28,887	28,887	28,887
Salaries & Benefits	23,025	23,025	23,025	23,025
Travel	543	543	543	543
Contract Services				
Technical and Management Support Services	5,319	5,319	5,319	5,319
TOTAL NETL DIRECT PROGRAM DIRECTION	28,887	28,887	28,887	28,887
<u>ALASKA NATURAL GAS TRANSPORTATION</u>				
TOTAL ALASKA NATURAL GAS PROJECT	0	0	0	0
<u>IMPORT/EXPORT AUTHORIZATION</u>				
Salaries & Benefits	1,360	1,360	1,360	1,360
Travel	21	21	21	21
Contract Services				
Technical and Management Support Services	538	538	538	538
TOTAL IMPORT/EXPORT AUTHORIZATION	1,919	1,919	1,919	1,919
TOTAL PROGRAM DIRECTION				
<u>Total Headquarters Program Direction</u>				
Salaries & Benefits	19,523	19,523	19,523	19,523
Travel	1,021	1,021	1,021	1,021
Contract Services	12,306	12,306	12,306	12,306
Technical and Management Support Services	4,738	4,738	4,738	4,738
Computer Systems and Support	1,040	1,040	1,040	1,040
Government-Wide E-Government Initiatives	80	80	80	80
Working Capital Fund	6,448	6,448	6,448	6,448
<u>Total Field Program Direction</u>	125,150	125,150	125,150	125,150
Salaries & Benefits	73,625	73,625	73,625	73,625
Travel	2,216	2,216	2,216	2,216
Contract Services				
Technical and Management Support Services	49,309	49,309	49,309	49,309
TOTAL FOSSIL R&D PROGRAM DIRECTION	158,000	158,000	158,000	158,000

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PLANT AND CAPITAL EQUIPMENT				
Construction	20,000	20,000	20,000	20,000
GPP at NETL and ARC	20,000	20,000	20,000	20,000
NETL Office/Lab Building	0	0	0	0
TOTAL PLANT AND CAPITAL EQUIPMENT	20,000	20,000	20,000	20,000
ENVIRONMENTAL RESTORATION				
CERCLA Remedial Actions	1,155	1,155	1,155	1,155
Rock Springs Sites	550	550	550	550
Hoe Creek Site	450	450	450	450
Hannah Sites Revegetation	5	5	5	5
NETL Preliminary Site Investigations	25	25	25	25
NETL Site Remediation	10	10	10	10
CERCLA PRP Response Activities	115	115	115	115
RCRA Remedial Actions	3,105	3,105	3,105	3,105
NETL On-Site Remediation	1,605	1,605	1,605	1,605
Albany Research Center RCRA	1,500	1,500	1,500	1,500
Other ES&H Actions	5,740	5,740	5,740	5,740
Other ES&H Actions	5,665	5,665	5,665	5,665
ES&H Corrective Action at NPTO	0	0	0	0
ES&H Corrective Action at ARC	0	0	0	0
Program Support	75	75	75	75
TOTAL ENVIRONMENTAL RESTORATION	10,000	10,000	10,000	10,000
COOPERATIVE RES. & DEVELOPMENT	0	0	5,000	4,868
CONGRESSIONALLY DIRECTED PROJECTS				
<i>CDP: Center for Zero Emissions Technology, Montana Stat University</i>				<i>2,921</i>
<i>CDP: North Dakota Energy and Environmental Center, Grand Forks, ND, Fossil Fuel Cooperative Research & Development</i>				<i>3,895</i>
<i>CDP: North Dakota Energy and Environmental Center, Grand Forks, ND, National Center for Hydrogen Technology</i>				<i>2,921</i>

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<i>CDP: Shallow Carbon Sequestration Pilot Demonstration, Missouri</i>				2,337
<i>CDP: Gulf of Mexico Hydrates Research Consortium at the University of Mississippi, MS</i>				1,169
<i>CDP: Methanol Economy (CA)</i>				730
<i>CDP: University of Kentucky Strategic Liquid Transportation Fuels Derived from Coal (KY)</i>				1,947
<i>CDP: Shale Oil Upgrading Utilizing Ionic Conductive Membranes Ceramtec, Inc (UT)</i>				1,704
<i>CDP: The Center for Advanced Separation Technology, University of Kentucky, (KY)</i>				487
<i>CDP: University of Kentucky Coal-Derived Low Energy Materials for Sustainable Construction Project (KY)</i>				
<i>CDP: Refining Capacity Study, NDAREC (ND)</i>				
<i>Utah Center for Ultra Clean Coal Utilization & Heavy Oil Research (UT)</i>				7,789
<i>CDP: Long Term Environmental and Economic Impacts of the Development of a Coal Liquefaction Sector in China, WVU</i>				1,217
<i>CDP: Center for Renewable Energy, Science, and Technology (CREST)(TX)</i>				973
<i>CDP: Design and Test of an Advanced SOFC Generator in PA</i>				973
<i>CDP: Hydrogen Fuel Dispensing Station (WV)</i>				1,169
<i>CDP: Innovations for Low-Cost Gasification Systems (PA)</i>				730
<i>CDP: Innovations in Control Technologies for Synthesis Gas Combustion (OH)</i>				292
<i>CDP: Montana ICTL Demonstration (MT)</i>				1,217
<i>CDP: Oklahoma University Enhanced Oil Recovery Design Center (OK)</i>				487
<i>CDP: Research and Development of Fuel Cells for Electricity from Fossil and Bio-Based Fuels (OH)</i>				487
<i>CDP: Utah Coal and Biomass to Fuel Pilot Plant (UT)</i>				2,434
<i>CDP: Advanced Coal Gasification Research and Development</i>				
<i>CDP: Carbon Dioxide Capture Project</i>				
<i>CDP: Ultra-Low CO2 Emission Coal Fuel Cell Technology</i>				
<i>CDP: Carbon Management Center</i>				
<i>CDP: Innovative Carbon Dioxide Science and Technology</i>				
<i>CDP: Oklahoma State University Energy Center - Natural Gas Technology Training</i>				
<i>CDP: Clean Energy Technology</i>				
<i>CDP: CO2 Sequestration Projects</i>				
<i>CDP: Hydrogen Fuel Dispensing Station</i>				
<i>CDP: Sunbury Generation / Calera Carbon Capture Project</i>				
<i>SBIR/STTR</i>				
TOTAL CONGRESSIONALLY DIRECTED	0	9,550	28,300	35,879

(\$ in thousands)	FY 2010 Congressional Request	FY 2010 Final House Mark	FY 2010 Final Senate Mark	FY 2010 Current Appropriation
<u>SPECIAL RECRUITMENT PROGRAMS</u>	700	700	700	700
<u>ULTRA-DEEPWATER AND UNCONVENTIONAL GAS AND OTHER PETROLEUM RESEARCH</u>				
Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	50,000	50,000	50,000	50,000
Receipts Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	-50,000	-50,000	-50,000	-50,000
Repeal Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	50,000	50,000	50,000	50,000
Unconventional Natural Gas and Other Petroleum Research Fund	-50,000	-50,000	-50,000	-50,000
TOTAL ULTRA-DEEPWATER AND NAT. GAS AND OTHER PETROLEUM	0	0	0	0
<u>STRATEGIC PETROLEUM RESERVE</u>				
SPR Facilities				
Expansion	0	0	30,000	25,000
Expansion Management	0	0	0	0
Total Expansion	0	0	30,000	25,000
Storage facilities development	209,482	209,482	209,482	199,732
Management	19,591	19,091	19,591	19,091
BC-20 Replacement				0
Total Non-Phase Specific	229,073	228,573	229,073	218,823
Use of offsetting receipts	0	0	0	0
Use of prior year balances	0	0	0	0
Total Strategic Pet. Reserve	229,073	228,573	259,073	243,823
NORTHEAST HOME HEATING OIL RESERVE				
Northeast Home Heating Oil Reserve	11,300	11,300	11,300	11,300
Transfer from balances	0	0	0	0
Offsetting receipts	0	0	0	0
Subtotal, NHHOR (Program Level)	11,300	11,300	11,300	11,300
Use of prior-year balances	0	0	0	0
Use of offsetting receipts	0	0	0	0
Total Northeast Home Heating Oil Reserve	11,300	11,300	11,300	11,300
SPR PETROLEUM ACCOUNT				
SPR PETROLEUM ACCOUNT (Product Tickets)	0	0	0	0
Use of prior year balances*				0
Total SPR Petroleum Account	0	0	0	0
*moved into Non-Phase Specific line for SPR				
<u>NAVAL PETROLEUM RESERVES</u>				
Production and Operations	14,166	14,166	14,166	14,166
Management	9,461	9,461	9,461	9,461
Congressionally Directed Projects	0	0	0	0
Use of prior year funds	0	0	0	0
TOTAL NP&OSK	23,627	23,627	23,627	23,627