

(\$ in thousands)	FY 2011 Congressional Request	FY 2011 House Marks	FY 2011 Senate Marks	FY 2011 Final Appropriation
FOSSIL ENERGY R&D				
Coal	403,850	400,100	452,000	389,688
Natural Gas Technologies	0	0	22,000	0
Unconventional Fossil Energy Technologies	0	0	26,000	0
Program Direction	152,033	152,033	170,300	164,725
Plant & Capital Equipment	20,000	20,000	20,000	19,960
Environmental Restoration	10,000	10,000	10,000	9,980
Cooperative Res. & Dev.	0	0	5,000	0
Congressional Directed Projects	0	3,750	19,950	0
Special Recruitment Program	700	700	700	699
Subtotal, Fossil Energy R&D	586,583	586,583	725,950	585,052
Use of prior year balances				-11,000
Rescission of prior year balances				-140,000
TOTAL FOSSIL ENERGY R&D	586,583	586,583	725,950	434,052
STRATEGIC PETROLEUM RESERVE				
Facilities Expansion	0	0	0	0
Facilities Development	209,861	209,861	209,861	209,441
Rescission of prior year balances				-86,300
Use of prior year balances	-71,000	0	0	0
TOTAL, STRATEGIC PETROLEUM RESERVE	138,861	209,861	209,861	123,141
NORTHEAST HOME HEATING OIL RESERVE	11,300	11,300	11,300	10,978
RESCISSION OF NORTHEAST HOME HEATING OIL RESERVE				0
NAVAL PET. & OIL SHALE RESERVES				
Total NPR & Oil Shale Reserves	23,614	23,614	23,614	20,854
ALTERNATIVE FUELS PRODUCTION PRIOR YEAR RESCISSION				
CLEAN COAL TECHNOLOGY PRIOR YEAR RESCISSION				-16,500
ELK HILLS SCHOOL LANDS FUNDS	0			0
TOTAL FOSSIL ENERGY PROG.	760,358	831,358	970,725	572,525
CLEAN COAL POWER INITIATIVE	0	0	0	0
Carbon Capture Demonstration Initiative				
FUELS AND POWER SYSTEMS/CARBON CAPTURE AND STORAGE(CCS) AND POWER SYSTEMS				
Innovations for Existing Plants	65,000	60,000	68,000	63,162
Advanced Integrated Gasification Combined Cycle	55,000	55,000	64,000	51,501
Advanced Turbines	31,000	31,000	32,000	30,106
Carbon Sequestration	143,000	153,000	170,000	138,316
Fuels	12,000	12,000	20,000	11,661
Fuel Cells	50,000	50,000	50,000	48,522
Advanced Research	47,850	39,100	48,000	46,420
Carbon Capture	0			0
Carbon Storage	0			0
Advanced Energy Systems	0			0
Cross-cutting Research	0			0
NETL Coal Research and Development	0			0
Subtotal, FUELS AND POWER SYSTEMS/CARBON CAPTURE AND STORAGE(CCS) AND POWER SYSTEMS	403,850	400,100	452,000	389,688
TOTAL COAL	403,850	400,100	452,000	389,688
NATURAL GAS TECHNOLOGIES	0	0	22,000	0
UNCONVENTIONAL FOSSIL ENERGY TECHNOLOGIES	0	0	26,000	0
PROGRAM DIRECTION				
Indirect Program Direction	115,856	115,856	0	117,621
NETL Direct Program Direction	34,333	34,333	0	34,265
Imports/Export Authorization	1,844	1,844	0	1,839
Advanced Metallurgical Research	0	0	0	0
Subtotal, Fossil Energy R&D Program Direction	152,033	152,033	170,300	164,725
PLANT & CAPITAL EQUIPMENT	20,000	20,000	20,000	19,960
ENVIRONMENTAL RESTORATION	10,000	10,000	10,000	9,980
COOPERATIVE RES. & DEVELOPMENT	0	0	5,000	0
CONGRESSIONALLY DIRECTED PRIORITIES	0	3,750	19,950	0
SPECIAL RECRUITMENT PROGRAMS	700	700	700	699
USE OF PRIOR YEAR BALANCES	0	0	0	0
TOTAL FOSSIL ENERGY R&D	586,583	586,583	725,950	585,052

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CLEAN COAL POWER INITIATIVE	0	0	0	
FUELS AND POWER SYSTEMS				
INNOVATIONS FOR EXISTING PLANTS				
CO2 Carbon Capture and Storage	65,000			63,162
Fine Particulate Control/Air Toxics	0			0
National Labs -Competitive	0			0
By-Products and Water Management	0			0
SBIR/STTR	0			
Total Innovations for Existing Plants	65,000	60,000	68,000	63,162
ADVANCED INTEGRATED GASIFICATION COMBINED CYCLE				
Gasification Systems Technology	51,000			47,614
Systems Analysis/Product Integration	4,000			3,887
SBIR/STTR				
Total Advanced Integrated Gasification Combined Cycle	55,000	55,000	64,000	51,501
ADVANCED TURBINES				
Hydrogen Turbines	31,000			30,106
SBIR/STTR				
Total Turbines	31,000	31,000	32,000	30,106
CARBON SEQUESTRATION				
Greenhouse Gas Control	133,000		156,000	128,599
Focus Area for Carbon Sequestration Science	10,000		4,000	9,717
Center for beneficial use of CO2 for non-geologic activities	0		10,000	0
SBIR/STTR				
Total Carbon Sequestration	143,000	153,000	170,000	138,316
FUELS				
Hydrogen from Coal Research				
Hydrogen from Coal	12,000			11,661
Coal and Coal-Biomass to Liquids	0			0
SBIR/STTR				
Total Fuels	12,000	12,000	20,000	11,661
FUEL CELLS				
Innovative Systems Concepts/SECA	50,000			48,522
SBIR/STTR				
Total Fuel Cells	50,000	50,000	50,000	48,522
ADVANCED RESEARCH				
Coal Utilization Science (CUS)				
CUS - Sensors and Controls - Novel Innovations	8,000			7,789
CUS - Computational System Dynamics	12,800			12,463
Total, Coal Utilization Science	20,800			20,252
High Performance Materials	9,100			8,860
Transformational Technologies for Carbon Capture	0			0
Novel Electrochemical Energy Conversion and Storage	0			0
Coal Technology Export	650			650
Bioprocessing of Coal	0			0
Environmental Activities	450			450
Technical & Econ. Analyses	500			500
International Prog. Support	700			700
Focus Area for Computational Energy Science	12,400			11,844
University Coal Research	2,400			2,337
HBCUs, Education & Training	850			827
LNG Report	0			0
Modeling and Simulation	0			0
CCS Modeling	0			0
Total Advanced Research	47,850	39,100	48,000	46,420
Carbon Capture				
Post-Combustion Capture Systems	0	0	0	0
Pre-Combustion Capture Systems	0	0	0	0
Total Carbon Capture	0	0	0	0
Carbon Storage				
Regional Carbon Sequestration Partnerships	0	0	0	0
Geologic Storage	0	0	0	0
Monitoring, Verification, Accounting, and Assessment	0	0	0	0
Carbon Use and Reuse	0	0	0	0
Focus Area for Carbon Sequestration Science	0	0	0	0
Total Carbon Storage	0	0	0	0
Advanced Energy Systems				
Advanced Combustion Systems	0	0	0	0
Gasification Systems	0	0	0	0
Hydrogen Turbines	0	0	0	0
Coal and Coal Biomass to Liquids	0	0	0	0
Solid Oxide Fuel Cells	0	0	0	0
Total Advanced Energy Systems	0	0	0	0

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Cross-cutting Research				
Plant Optimization Technologies				
Sensors and Controls	0	0	0	0
Subtotal Plant Optimization Technologies	0	0	0	0
Coal Utilization Science				
Computational System Dynamics	0	0	0	0
Focus Area for Computational Energy Science	0	0	0	0
Subtotal Coal Utilization Science	0	0	0	0
Energy Analyses				
Environmental Activities	0	0	0	0
Technical and Economic Analysis	0	0	0	0
Systems Analysis/Product Integration	0	0	0	0
Subtotal Energy Analyses	0	0	0	0
University Training and Research				
University Coal Research	0	0	0	0
HBCU's, Education, and Training	0	0	0	0
Subtotal University Training and Research	0	0	0	0
International Activities				
Coal Technology Export	0	0	0	0
International Program Support	0	0	0	0
Subtotal International Activities	0	0	0	0
Total Cross-cutting Research	0	0	0	0
NETL Coal Research and Development				
TOTAL FUELS AND POWER SYSTEMS	403,850	400,100	452,000	389,688
NATURAL GAS TECHNOLOGIES				
Gas Hydrates	0	0	0	0
Gas Hydrates	0	0	0	0
Effective Environmental Protection	0	0	0	0
Environmental Science	0	0	0	0
SBIR/STTR		0		
TOTAL NATURAL GAS TECHNOLOGIES	0	0	22,000	0
UNCONVENTIONAL FOSSIL ENERGY TECHNOLOGIES				
UNCONVENTIONAL FOSSIL ENERGY TECHNOLOGIES	0	0	24,800	0
TOTAL UNCONVENTIONAL FOSSIL ENERGY TECHNOLOGIES	0	0	26,000	0
TOTAL OIL AND GAS SECURITY				
PROGRAM DIRECTION				
INDIRECT PROGRAM DIRECTION				
Research and Development				
Hdqtrs. Program Direction	29,764			29,705
Salaries & Benefits	17,460			17,425
Travel	961			959
Contract Services	11,343			11,321
Technical and Management Support Services	4,068			4,060
Computer Systems and Support	1,000			998
E-Government Initiatives	77			77
Working Capital Fund	6,198			6,186
Field Program Direction	86,092			87,916
Salaries & Benefits	42,196			43,112
Travel	1,608			1,605
Contract Services				
Technical and Management Support Services	42,288			43,199
Clean Coal Technology				
Hdqtrs. Program Direction				
Salaries & Benefits				
Travel				
Contract Services				
Technical and Management Support Services				
Field Program Direction				
Salaries & Benefits				
Travel				
Contract Services				
Technical and Management Support Services				
Total Headquarters Indirect Program Direction	29,764			29,705
Salaries & Benefits	17,460			17,425
Travel	961			959
Contract Services	11,343			11,321
Technical and Management Support Services	4,068			4,060
Computer Systems and Support	1,000			998
Government-Wide E-Government Initiatives	77			77
Working Capital Fund	6,198			6,186
Total Field Indirect Program Direction	86,092			87,916
Salaries & Benefits	42,196			43,112
Travel	1,608			1,605
Contract Services				
Technical and Management Support Services	42,288			43,199
TOTAL INDIRECT PROGRAM DIRECTION	115,856			117,621

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NETL DIRECT PROGRAM DIRECTION				
Coal R&D Direct Program Direction	34,333			34,265
Salaries & Benefits	28,698			27,241
Travel	522			1,075
Contract Services				
Technical and Management Support Services	5,113			5,949
TOTAL NETL DIRECT PROGRAM DIRECTION	34,333			34,265
Loan Guarantee for Alaska Natural Gas				
Transportation Project - Direct				
Hdqtrs. Program Direction	0			0
Salaries & Benefits	0			0
Travel	0			0
Contract Services				
Technical and Management Support Services	0			0
IMPORT/EXPORT AUTHORIZATION				
Salaries & Benefits	1,307			1,304
Travel	20			20
Contract Services				
Technical and Management Support Services	517			515
TOTAL IMPORT/EXPORT AUTHORIZATION	1,844			1,839
ADVANCED METALLURGICAL RESEARCH				
Salaries & Benefits	0			0
Travel	0			0
Contract Services				
Technical and Management Support Services	0			0
TOTAL ADVANCED METALLURGICAL RESEARCH	0			0
TOTAL PROGRAM DIRECTION				
Total Headquarters Program Direction	31,608	31,608	31,600	31,544
Salaries & Benefits	18,767			18,729
Travel	981			979
Contract Services	11,860			11,836
Technical and Management Support Services	4,585			4,575
Computer Systems and Support	1,000			998
Government-Wide E-Government Initiatives	77			77
Working Capital Fund	6,198			6,186
Total Field Program Direction	120,425	120,425	138,700	122,181
Salaries & Benefits	70,894			70,353
Travel	2,130			2,680
Contract Services				
Technical and Management Support Services	47,401			49,148
Reprogrammed Funding for Oil Spill Commission				11,000
TOTAL FOSSIL R&D PROGRAM DIRECTION	152,033	152,033	170,300	164,725
PLANT AND CAPITAL EQUIPMENT				
Construction	20,000	20,000	20,000	19,960
GPP at NETL and ARC	20,000	20,000	20,000	19,960
TOTAL PLANT AND CAPITAL EQUIPMENT	20,000	20,000	20,000	19,960
ENVIRONMENTAL RESTORATION				
CERCLA Remedial Actions	500	500	500	499
Rock Springs Sites	200	200	200	200
Hoe Creek Site	200	200	200	200
Hannah Sites Revegetation	0	0	0	0
NETL Preliminary Site Investigations	25	25	25	25
NETL Site Remediation	10	10	10	10
CERCLA PRP Response Activities	65	65	65	65
RCRA Remedial Actions	3,150	3,150	3,150	3,144
NETL On-Site Remediation	1,605	1,605	1,605	1,602
Albany Research Center RCRA	1,545	1,545	1,545	1,542
Other ES&H Actions	6,350	6,350	6,350	6,337
Other ES&H Actions	6,275	6,275	6,275	6,262
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	9,980
COOPERATIVE RES. & DEVELOPMENT	0	0	0	0
CONGRESSIONALLY DIRECTED PROJECTS				
<i>CDP: Center for Zero Emissions Technology, Montana State University</i>				
<i>CDP: North Dakota Energy and Environmental Center, Grand Forks, ND, Fossil Fuel Cooperative Research & Development</i>				
<i>CDP: North Dakota Energy and Environmental Center, Grand Forks, ND, National Center for Hydrogen Technology</i>			3,000	
<i>CDP: Shallow Carbon Sequestration Pilot Demonstration, Missouri</i>				
<i>CDP: Gulf of Mexico Hydrates Research Consortium at the University of Mississippi, MS</i>			3,000	
<i>CDP: Methanol Economy (CA)</i>				
<i>CDP: University of Kentucky Strategic Liquid Transportation Fuels Derived from Coal (KY)</i>			1,000	

(\$ in thousands)	FY 2011 Congressional Request	FY 2011 House Marks	FY 2011 Senate Marks	FY 2011 Final Appropriation
CDP: Shale Oil Upgrading Utilizing Ionic Conductive Membranes Ceramtec, Inc (UT)				
CDP: The Center for Advanced Separation Technology, University of Kentucky, (KY)				
CDP: University of Kentucky Coal-Derived Low Energy Materials for Sustainable Construction Project (KY)			1,000	
CDP: Refining Capacity Study, NDAREC (ND)				
Utah Center for Ultra Clean Coal Utilization & Heavy Oil Research (UT)			7,000	
CDP: Long Term Environmental and Economic Impacts of the Development of a Coal Liquefaction Sector in China, WVU				
			750	
CDP: Center for Renewable Energy, Science, and Technology (CREST)(TX)				
CDP: Design and Test of an Advanced SOFC Generator in PA				
CDP: Hydrogen Fuel Dispensing Station (WV)				
CDP: Innovations for Low-Cost Gasification Systems (PA)				
CDP: Innovations in Control Technologies for Synthesis Gas Combustion (OH)				
CDP: Montana ICTL Demonstration (MT)				
CDP: Oklahoma University Enhanced Oil Recovery Design Center (OK)				
CDP: Research and Development of Fuel Cells for Electricity from Fossil and Bio-Based Fuels (OH)				
CDP: Utah Coal and Biomass to Fuel Pilot Plant (UT)				
CDP: Advanced Coal Gasification Research and Development		500		
CDP: Carbon Dioxide Capture Project		250		
CDP: Ultra-Low CO2 Emission Coal Fuel Cell Technology		500		
CDP: Carbon Management Center		1,000		
CDP: Innovative Carbon Dioxide Science and Technology		400		
CDP: Oklahoma State University Energy Center - Natural Gas Technology Training		1,100		
CDP: Clean Energy Technology			2,000	
CDP: CO2 Sequestration Projects			700	
CDP: Hydrogen Fuel Dispensing Station			750	
CDP: Sunbury Generation / Calera Carbon Capture Project			750	
SBR/STTR				
TOTAL CONGRESSIONALLY DIRECTED PROJECTS	0	3,750	19,950	0
SPECIAL RECRUITMENT PROGRAMS	700	700	700	699
ULTRA-DEEPWATER AND UNCONVENTIONAL NATURAL GAS AND OTHER PETROLEUM RESEARCH FUND				
Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	50,000			50,000
Receipts Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	-50,000			-50,000
Repeal Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	0			0
Repeal Receipts Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research Fund	0			0
Rescission of funds				
Rescission of Receipts				0
TOTAL ULTRA-DEEPWATER AND UNCONVENTIONAL NATURAL GAS AND OTHER PETROLEUM RESEARCH FUND	0	0	0	0
STRATEGIC PETROLEUM RESERVE				
SPR Facilities				
Expansion	0	0	0	0
Expansion Management	0	0	0	0
Total Expansion	0	0	0	0
Storage facilities development	188,906	188,906	188,906	186,873
Management	20,955	20,955	20,955	22,568
Total Non-Phase Specific	209,861	209,861	209,861	209,441
Rescission of prior year balances				-86,300
Use of prior year balances	-71,000	0	0	0
Total Strategic Pet. Reserve	138,861	209,861	209,861	123,141
NORTHEAST HOME HEATING OIL RESERVE				
Northeast Home Heating Oil Reserve	11,300	11,300	11,300	10,978
Rescission of Prior Year Balances				
Total Northeast Home Heating Oil Reserve	11,300	11,300	11,300	10,978
RESCISSION/USE OF NEHHOR PRIOR YEAR BALANCES				0
ALTERNATIVE FUELS PRODUCTION PRIOR YEAR RESCISSION				0
CLEAN COAL TECHNOLOGY PRIOR YEAR RESCISSION				-16,500
ELK HILLS SCHOOL LANDS FUNDS				0
NAVAL PETROLEUM RESERVES				
Production and Operations	13,919	13,919	13,919	14,784
Management	9,695	9,695	9,695	8,170
Use of Prior Year Balances				-2,100
TOTAL NP&OSR	23,614	23,614	23,614	20,854