



Department of Energy FY 2008 Budget

Investing in Science and Energy Security
February 5, 2007



The Focus

- **Investing in World-Class Science**
- **Advancing Energy Security**
- **Reducing Dependence on Foreign Sources of Energy**
- **Promoting the Use of Clean Energy**
- **Honoring our Commitments**



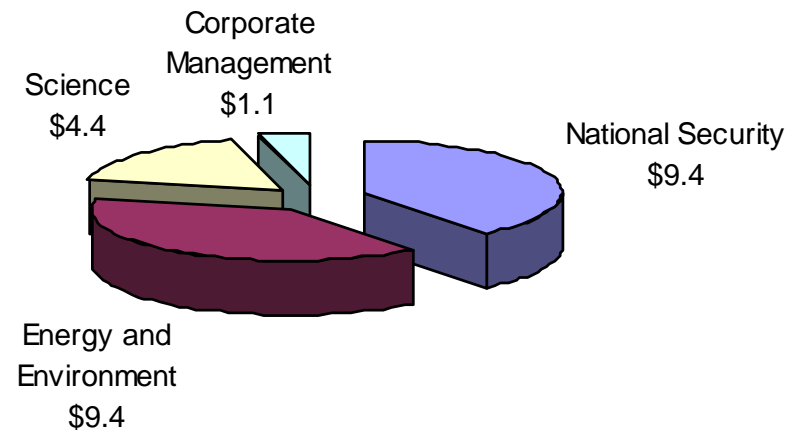
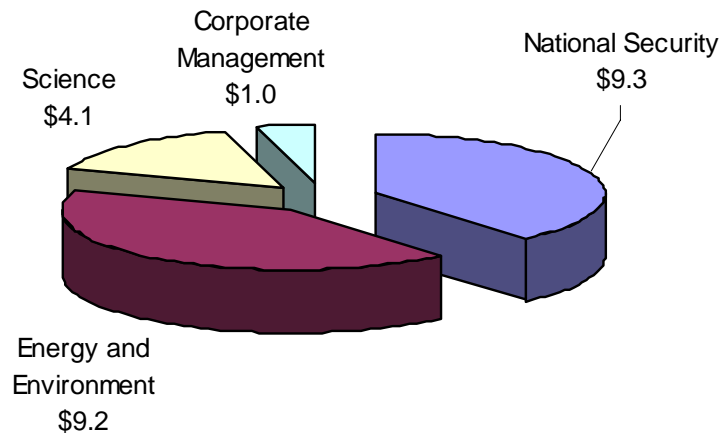
Supporting our Nation's Highest Priorities



DOE Budget : FY 2007 and FY 2008 (\$ in Billions)

**FY 2007 Request
\$23.6 Billion**

**FY 2008 Request
\$24.3 Billion**



**FY 2008 request is \$705 million above the
FY 2007 request level.**



FY 2008 DOE Budget Breakout

By Organization (\$ in Millions)

	FY 2006 Approp.	FY 2007 Request	FY 2008 Request	Change
National Nuclear Security Administration	\$9,110	\$9,316	\$9,387	+\$71
Energy and Environment				
<i>Energy</i>	\$2,701	\$2,583	\$3,089	+\$506
<i>Environment</i>	\$7,162	\$6,573	\$6,344	-\$229
Total, Energy and Environment	\$9,863	\$9,156	\$9,433	+\$277
Science	\$3,632	\$4,102	\$4,398	+\$296
Corporate Management/FERC	\$967	\$980	\$1,041	+\$61
Total DOE	\$23,572	\$23,554	\$24,259	+\$705



Leadership in Science

- Opportunities exist for scientific breakthroughs in:
 - Biotechnology
 - Nanotechnology
 - Hydrogen Fuels
 - High-Performance Computing and Networking
 - Climate Change
 - Fusion Energy
- The nations at the forefront will lead the global economy
- World-class science requires significant investment
- The DOE Office of Science plays a critical role:
 - responsible for 10 world-class U.S. national laboratories
 - primary builder and operator of scientific facilities in the U.S.
 - educating and training our next generation of scientists and engineers
 - sponsoring basic research aimed at meeting our nation's growing energy challenge



American Competitiveness Initiative



Advancing Energy Security

- Increasing Our Energy Options – Reduce dependence on foreign energy sources
 - Advanced Energy Initiative (\$2.7B)
 - Hydrogen
 - Fuel Cells
 - Biomass
 - Solar
 - Clean Coal
 - Nuclear Power 2010
 - Fusion Energy
 - Wind
 - Vehicle Technology
 - Global Nuclear Energy Partnership (\$405M)
 - Develop and demonstrate advanced proliferation-resistant fuel cycle technologies
 - Develop an integrated spent fuel recycling program
- Securing Against Energy Supply Disruptions
 - SPR Expansion (\$168M) – Increase capacity to 1.5 billion barrels by FY 2027
- Implementing a Loan Guarantee Program (\$9.0B cap)



Honoring our Commitments

- Weapons Activities, \$6.5B – Transforms the nuclear weapons complex through Complex 2030 and Reliable Replacement Warhead
- Environmental Management, \$5.7B – Closing sites or completing cleanup at sites
- Civilian Radioactive Waste Management, \$495M – Supports submittal of a license application in June 2008
- Legacy Management, \$194M – Ensures continuity of pension and medical benefit payments to former contractor employees at completed cleanup sites
- Security Activities, \$1.6B – Enhancing security across the complex



The Bottom Line

	FY 2006	FY 2007	FY 2008
	Approp.	Request	Request
DOE Budget	23,572	23,554	24,259

(\$ in Millions)

- **Presents a balanced program and continues funding for initiatives in national security, energy diversification, and scientific research**
- **Honors commitments to national defense and environmental cleanup affecting communities impacted by former weapons facilities**
- **Reflects responsible stewardship of the American taxpayers' money**

Investing in Science and Energy Security