

Funding and Federal Staffing Requirements

Funding Summary (Energy Supply)

(dollars in thousands)

	FY 2002 Comparable Appropriation	FY 2003 Amended Request	FY 2004 Request	\$ Change	% Change
Hydrogen Technology					
Production & Delivery R&D	11,148	11,760	23,000	+11,240	+95.6%
Storage R&D	6,125	11,335	30,000	+18,665	+164.7%
Infrastructure Validation	5,696	10,000	13,160	+3,160	+31.6%
Safety, Codes & Standards, and Utilization	4,486	4,786	16,000	+11,214	+234.3%
Education and Cross-Cutting Analysis	1,437	2,000	5,822	+3,822	+191.1%
Total, Hydrogen Technology	28,892	39,881	87,982	+48,101	+120.6%
Solar Energy					
Concentrating Solar Power	13,025	1,932	0	-1,932	-100.0%
Photovoltaic Energy Systems	70,855	73,693	76,693	+3,000	+4.1%
Solar Building Technology	3,227	4,000	3,000	-1,000	-25.0%
Total, Solar Energy	87,107	79,625	79,693	+68	+0.1%
Zero-Energy Buildings					
Zero Energy Building Design	1,367	8,000	4,000	-4,000	-50.0%
Total, Zero-Energy Buildings	1,367	8,000	4,000	-4,000	-50.0%
Wind Energy					
Technology Viability	23,411	29,800	29,800	+0	+0.0%
Technology Application	14,800	14,200	11,800	-2,400	-16.9%
Total, Wind Energy	38,211	44,000	41,600	-2,400	-5.5%

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Hydropower					
Technology Viability	3,886	5,089	5,589	+500	+9.8%
Technology Application	1,100	2,400	1,900	-500	-20.8%
Total, Hydropower	4,986	7,489	7,489	0	0.0%
Geothermal Technology					
Geoscience and Supporting Technologies	6,916	7,700	10,200	+2,500	+32.5%
Exploration and Drilling Research	8,084	12,100	11,500	-600	-5.0%
Energy Systems Research and Testing	12,035	6,700	3,800	-2,900	-43.3%
Total, Geothermal Technology	27,035	26,500	25,500	-1,000	-3.8%
Biomass/Biorefinery Systems R&D					
Advanced Biomass Technology R&D	38,373	37,430	31,000	-6,430	-17.2%
Systems Integration and Production	49,310	48,575	38,750	-9,825	-20.2%
Total, Biomass/Biorefinery Systems R&D	87,683	86,005	69,750	-16,255	-18.9%
Intergovernmental Activities					
International Renewable Energy Program	2,840	6,500	6,500	0	0.0%
Tribal Energy Activities	2,840	8,307	6,000	-2,307	-27.8%
Total, Intergovernmental Activities	5,680	14,807	12,500	-2,307	-15.6%
Electricity Reliability					
High-Temperature Superconducting R&D	31,991	47,838	47,838	0	0.0%

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Transmission Reliability R&D	18,257	7,720	10,720	+3,000	+38.9%
Distribution and Interconnection R&D	10,791	7,249	7,249	0	0.0%
Energy Storage R&D	9,098	7,640	5,000	-2,640	-34.6%
Renewable Energy Production Incentive	3,787	4,000	4,000	0	0.0%
Electricity Restructuring	2,840	2,059	2,059	0	0.0%
Total, Electricity Reliability	76,764	76,506	76,866	+360	+0.5%
Departmental Energy Management Program					
Energy Management Project Support	1,068	2,250	1,800	-450	-20.0%
Energy Management Model Program Development	353	750	500	-250	-33.3%
Total, Departmental Energy Management Program	1,421	3,000	2,300	-700	-23.3%
NCCTI	0	0	15,000	+15,000	NA
Program Direction	18,673	16,187	16,577	+390	+2.4%
Facilities and Infrastructure					
Operations and Maintenance	4,070	4,200	4,200	0	0.0%
Construction	800	800	750	-50	-6.3%
Total, Facilities and Infrastructure	4,870	5,000	4,950	-50	-1.0%
Total, Energy Efficiency and Renewable Energy - Energy Supply	382,689	407,000	444,207	+37,207	+9.1%

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Additional net budget authority to cover the cost of fully accruing retirement (non-add)	(817)	(720)	(720)	(0)	(0.0%)