

Fusion Energy Sciences
Funding Profile by Subprogram and Activity

(Dollars in Thousands)

| | FY 2011 Current | FY 2012 Enacted | FY 2013 Request |
|---|----------------------------|----------------------------|-----------------|
| Science | | | |
| DIII-D Research | 30,716 | 30,300 | 26,703 |
| Alcator C-Mod Research | 10,056 | 10,454 | 8,396 |
| International Research | 6,105 | 7,435 | 8,946 |
| Diagnostics | 4,115 | 3,519 | 3,519 |
| Other | 8,085 | 11,919 | 9,193 |
| NSTX Research | 16,107 | 17,549 | 16,836 |
| Experimental Plasma Research | 17,745 | 11,000 | 10,500 |
| High Energy Density Laboratory Plasmas | 25,727 | 24,741 | 16,933 |
| Madison Symmetric Torus | 7,005 | 6,000 | 5,750 |
| Theory | 25,663 | 24,348 | 20,836 |
| SciDAC | 7,057 | 8,312 | 6,556 |
| General Plasma Science | 14,810 | 16,780 | 13,151 |
| SBIR/STTR | 0 | 8,167 | 6,881 |
| Total, Science | 173,191 | 180,524 | 154,200 |
| Facility Operations | | | |
| DIII-D | 35,699 | 38,319 | 33,260 |
| Alcator C-Mod | 17,518 | 18,067 | 7,848 |
| NSTX | 32,559 | 32,134 | 29,393 |
| Other, GPE, and GPP | 4,568 | 975 | 975 |
| MIE: U.S. Contributions to ITER Project | 80,000 | 105,000 | 150,000 |
| Total, Facility Operations | 170,344 | 194,495 | 221,476 |
| Enabling R&D | | | |
| Plasma Technology | 14,501 | 13,911 | 11,666 |
| Advanced Design | 2,752 | 4,337 | 1,611 |
| Materials Research | 6,469 | 7,729 | 9,371 |
| Total, Enabling R&D | 23,722 | 25,977 | 22,648 |
| Total, Fusion Energy Sciences | 367,257^a | 400,996^b | 398,324 |

^a Total is reduced by \$8,205,000, \$7,326,000 of which was transferred to the Small Business Innovation Research (SBIR) program and \$879,000 of which was transferred to the Small Business Technology Transfer (STTR) program.

^b The FY 2012 appropriation is reduced by \$1,181,000 for the Fusion Energy Sciences share of the DOE-wide \$73,300,000 rescission for contractor pay freeze savings. The FY 2013 budget request reflects the FY 2013 impact of the contractor pay freeze.