

Fusion Energy Sciences

(B/A in Millions)

	<u>FY 02</u> <u>Actual</u>	<u>FY 03</u> <u>Cong.</u>	<u>FY 2003</u> <u>Feb. FP</u>	<u>FY 2004</u> <u>Cong.</u>
Science				
<u>Tokamak Experimental Research</u>	45.4	55.0	53.9	52.9
DIII-D	23.7	22.7	23.6	23.3
Alcator C-MOD	7.5	8.5	7.4	8.5
International Tokamaks	4.4	4.4	4.7	3.2
Other	2.7	5.8	5.0	4.3
Tokamak Experimental Plasma Research	3.1	3.2	3.1	3.1
Diagnostics	4.0	4.0	3.9	3.9
SBIR/STTR (Science)	0.0	6.4	6.2	6.6
<u>Alternative Concept Experimental Research</u>	52.4	50.9	53.4	52.2
NSTX	12.8	13.7	14.2	16.0
Experimental Plasma Research (Alts)	26.0	23.4	26.3	22.7
Inertial Fusion Energy (Science)	13.6	13.8	12.9	13.5
<u>Theory</u>	27.6	27.6	27.8	28.5
Fusion Plasma Theory	24.1	24.6	24.5	25.2
Advanced Computing	3.5	3.0	3.3	3.3
<u>General Plasma Science</u>	8.9	9.1	8.9	11.1
Subtotal Science	134.3	142.6	144.0	144.7
Facility Operations				
Tokamak Fusion Test Reactor	15.8	0.0	0.0	0.0
DIII-D	27.2	32.9	28.7	33.3
Alcator C-MOD	10.1	13.8	11.8	14.3
NSTX	15.2	19.4	16.1	19.2
NCSX	0.0	11.0	7.6	15.9
QPS MIE	0.0	0.0	0.0	0.0
GPP/GPE/ORNL Move	2.5	1.5	2.8	3.0
Burning Plasma Experiment	0.0	0.0	0.0	2.0
Subtotal Facility Operations	70.8	78.6	67.0	87.7
Enabling R&D				
<u>Engineering Research</u>	28.8	28.5	29.8	17.3
Plasma Technologies	12.0	12.1	12.3	14.0
Fusion Technologies	10.6	10.9	11.1	1.3
TSTA	3.0	2.9	2.9	0.0
MFE	5.1	5.4	5.0	0.8
IFE	2.5	2.6	3.2	0.5
Advanced Design and Analysis	6.2	5.5	6.4	2.0
MFE	5.1	5.3	5.4	2.0
IFE	1.1	0.2	1.0	0.0
<u>Materials Research</u>	7.2	7.6	7.7	7.6
Subtotal Enabling R&D	36.0	36.1	37.5	24.9
Total Fusion Energy Sciences Program	241.1	257.3	248.5	257.3
Recap				
Tokamak Fusion Test Reactor	15.8	0.0	0.0	0.0
DIII-D	50.9	55.6	52.3	56.6
Alcator C-Mod	17.6	22.3	19.2	22.8
NSTX	28.0	33.1	30.3	35.2
NCSX	5.4	11.8	11.7	16.7
IFE	17.2	16.6	17.1	14.0
Science	13.6	13.8	12.9	13.5
Enabling R&D	3.6	2.8	4.2	0.5