U.S. Fusion Energy Sciences Program

Presented to the

Fusion Energy Sciences Advisory Committee

By

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Fusion Energy Sciences Budget Summary

($ in Millions)

	FY 2000	FY 2001	
	Sept. Fin. Plan	Cong. Amended	Dec. Fin.Plan
Science	137.3	134.5	136.2
Facility Operations	71.5	76.5	78.2
Enabling R&D	35.9	32.9	34.1
Subtotal	***244.7****	***243.9***	***249.0***
Safeguards and Security	--	3.4	3.4
OFES Totals	***244.7***	***247.3***	***252.4***

*Includes S&S

Comparing FY 2000 and FY 2001

($ in Millions)

FY 2000		FY 2001
250.0	Appropriation	255.0
5.3	General Reduction	2.6
3.3	Safeguards and Security	3.4
13.3	TFTR D&D	19.1
--	PPPL Waste Management	3.2
1.4	General Plant Projects	1.5
169.9	Research	170.9
56.8	Facility Operations	54.3

Comparing FY 2001
Congressional Request and Appropriation

($ in Millions)

Request		Appropriation
247.3		255.0
3.4	Safeguards and Security	3.4
--	General Reduction	2.6
243.9	***Total***	***249.0***

$5.1 “New Money”

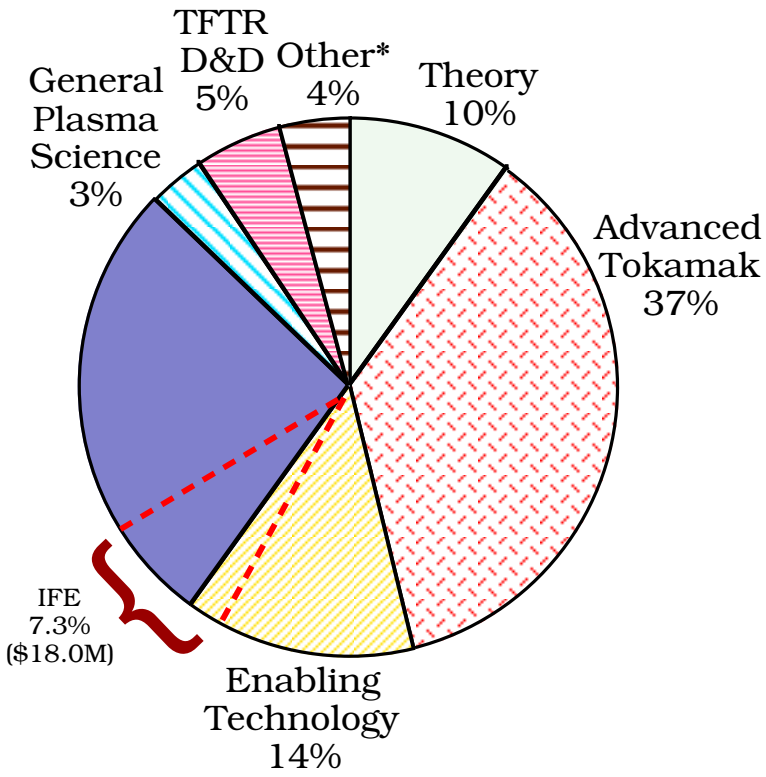
Changes with Respect to the FY 2001 Congressional Request

($ in Thousands)

DIII-D	1,600
NSTX	430
C-MOD	620
PPPL-Chillers	550
Experimental Plasma Research	150
Alternates	1,050
Inertial Fusion Energy	-430
Plasma Technology	220
Fusion Technology	830
Advanced Design	500
Reserve	-390
Total	***5,130***

Fusion Energy Sciences Budgets

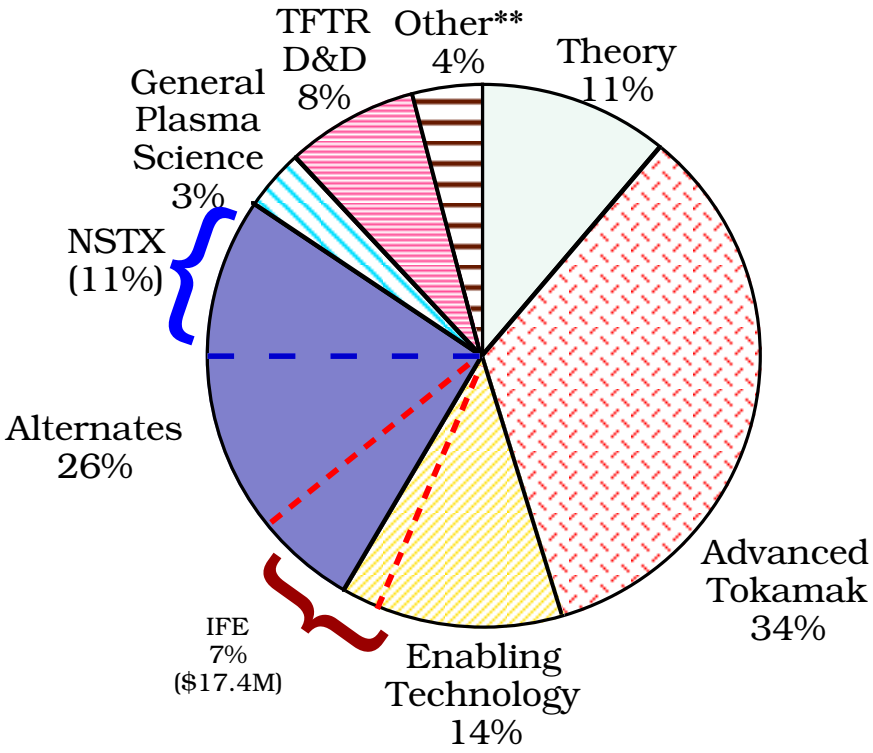
FY 2000 Appropriation



Total $244.7M

*SBIR/STTR/GPP

FY 2001 Appropriation



Total $249M

Other**
SBIR/STTR
GPP
Waste Management

11/07/00

The National Nuclear Security Agency and the Office of Science Cooperate on Inertial Fusion Science

- Monthly meetings are held to discuss planning, budgets, and program coordination
- The IFE program continues to depend on the ICF program for high energy density physics information for target design
- In FY 2001, Congress provided $25M in the NNSA budget for high average power laser research
- OFES and NNSA will cooperate on Inertial Fusion Science including high average power laser development