Table 1: Budgets for MFE Chamber Technology and Related Technology Programs in $K

	FY 1999	FY 2000	FY 2001
MFE Chamber Technology*+	2831	2957	3224
PFC	7098	6459	6056
Materials	6840	7160	6660
Total Technology	**36.5 (+ 8.4 ITER Magnet)**	**35.5**	**34.2**

* In the late 80's to the early 90's, the "blanket" program was typically about $6M per year.

+ Serious budget cuts in 97, down to $900K, almost "crippled" the program.

Table 2: Budgets for MFE Chamber Technology Sub-elements in $K

	FY 1999	FY 2000	FY 2001
APEX (Including ALIST contributions in FY 2001)	1715	2122	1865
JUPITER-II (Thermofluid and thermomechanics tasks beginning in FY 2000)	---	54	684
Materials System Thermomechanics	400	400	360
Neutronics	185	100	125
Free Surface Renewal (Competitive Award in FY 2000)	---	146	130
Insulators Coating for MHD Effects	280	---*	---
Others (ALPS Support, SnLi, FLiBe)	251	135	60
Total	**2831**	**2957**	**3224**

* Moved task/budget to Materials Program

Table 3: APEX Budget by Task*+

	FY 00	FY 01
Task I Exploring options and issues for testing liquid walls in plasma devices	**405**	**400**
Task II Experiments and modeling for free-surface MHD flows (with and without MHD and turbulence) and fundamental analysis of fusion liquid walls	**707**	**515**
Task III Engineering issues for liquid walls	**615**	**560**
Task IV Advanced solid wall concepts	**395**	**390**
APEX Total	**2122**	**1865**

* Budget allocations for cross-cutting Tasks A, B, C, and D are included under Tasks I through IV.

+ Task V is a new task (on innovative use of liquid metals for improving plasma stabilization and confinement) and was initiated in mid FY01. The budget allocation for Task V is included in Tasks I and II.

Table 4: Rough Budgets by Presentation

(Approximate because presentations are organized to effectively cover interrelated scientific and technical topics rather than budget categories)

	FY 2000	FY 2001
Morley Parts of APEX Tasks I and II, JUPITER-II thermofluids, part of surface renewal	**642**	**845**
Kaita Parts of APEX Tasks I, II, A, B, and V	**277**	**280**
Ulrickson APEX/ALIST: Parts of APEX Tasks I, A and B	**305**	**310**
Nelson APEX Task III, plus part of surface renewal	**610**	**620**
Wong Task IV and part of neutronics	**440**	**440**
Ghoneim APEX Materials (Part of Task II, III, and IV)	**80**	**55**
Ying Material system thermomechanics plus JUPITER-II thermomechanics	**400**	**495**
Others covered only in Overview	**203**	**179**
Total	**2957**	**3224**