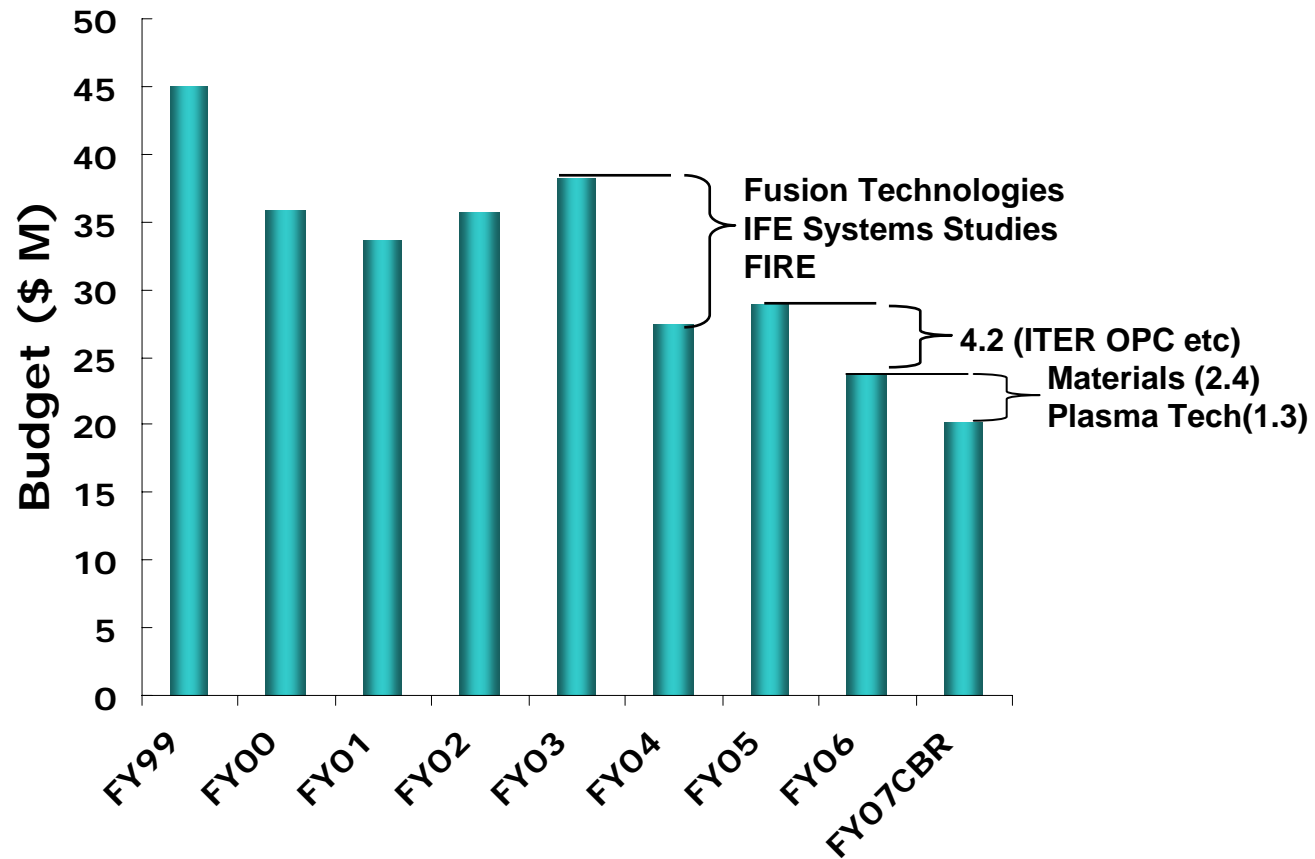


Comments on technology program budgets

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Concern: Base program enabling R&D budget has eroded substantially since FY03



The issues are both near term (now and FY07) and longer term (a few years)

- **FY06**
 - **The VLT contributed \$3.5 M to ITER R&D (Other Project Costs) from Magnets, Fueling, PFC, ICH and ECH area**
 - **Contributions from ICH (\$400 K or 20% cut)and ECH (\$489 K or 35%) were not returned in R&D.**
- **FY07 impacts (\$3.7 M cut)**
 - **Materials Science is reduced by 33%**
 - **Magnet R&D is eliminated**
 - **Gyrotron R&D in industry is eliminated**
 - **ICH R&D is reduced by 11% relative to the beginning of FY06**
- **Longer term**
 - **R&D from ITER will end in about 4 years**
 - **Technology program contributions will need to be restored**

The technology community (VLT) became involved in ITER at an early stage

- **2003 planning activities for possible construction contributions**
 - Major contributions UFA organized ITER Forum
- **2004 and 2005**
 - Participation in U. S. IPO planning (cost estimation) activities
 - Emphasis on R&D that also fulfills burning plasma device (ITER) needs during construction
 - Program priorities adjusted to reflect the need to make ITER a success and to exploit burning plasma device as a test bed in the longer term
 - Cross cutting research (materials, safety, neutronics) focused on burning plasma (ITER) issues
 - Some liquid surface PFC research redirected to Test Blanket and solid surface PFC relevant work
- **About 60% of VLT activity is currently devoted to burning plasma technology research and development**

VLT participants led the planning and R&D activities for six of the U. S. “provisional” in-kind hardware contributions

