

**Dr. Martin Greenwald**  
Associate Director



**Massachusetts Institute of Technology**  
77 Massachusetts Avenue, Building NW17-107  
Cambridge, Massachusetts 02139-4307

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**Plasma Science & Fusion Center**

Phone 617.253.6053  
Fax 617.253.0627  
Email g@psfc.mit.edu

March 21, 2013

Dr. William F. Brinkman  
Director - Office of Science, SC-1  
U.S. Department of Energy  
1000 Independence Avenue, SW  
Washington, DC 20585

Dear Dr. Brinkman,

With this letter, the Fusion Energy Sciences Advisory Committee transmits its report addressing your charge of December 20, 2012 on the assessment of proposed facilities for our program. We want to thank Prof. Sarff, Dr. Rej and members of the panel formed to answer the charge for their efforts in taking on this formidable task and completing their work in an extraordinarily short period of time.

As requested, the report provides an assessment of several major facilities that should be considered as the Office of Science formulates its 10 year plan. Throughout the process, the urgent need for new and upgraded facilities was clear. It was also clear that smaller facilities, below the cost scale specified in the charge, will be crucial. This study generated wide-ranging and lively discussion at the recent FESAC meeting after which the full committee voted to endorse the report.

Sincerely,

A handwritten signature in blue ink that reads "Martin Greenwald".

Martin Greenwald  
Chair, Fusion Energy Sciences Advisory Committee

Cc: Patricia Dehmer  
Edmund Synakowski  
Al Opdenaker

