

Appendix I IPPA Commissioning Letter and Charter



Department of Energy
Germantown, MD 20874-1290

January 28, 2000

Dr. Charles C. Baker
Director, Virtual Laboratory for Technology
Adjunct Professor, AMES Department
University of California, San Diego
9500 Gilman Drive, MC 0420
La Jolla, CA 92093

Dear Dr. Baker:

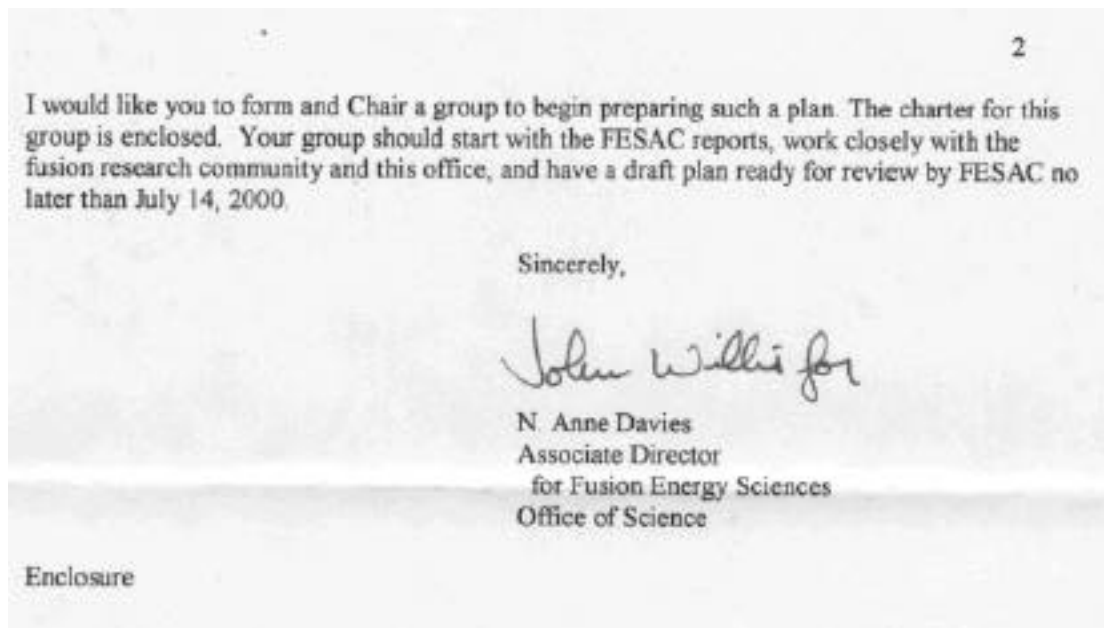
In its final report of August 1999, the Secretary of Energy Advisory Board's (SEAB) Task Force on Fusion Energy stated that "Given the complex nature of the fusion effort, an integrated program planning process is an absolute necessity."

It is our intention to address the SEAB recommendation by preparing an integrated program plan for fusion research. This plan will be prepared in close cooperation with all of the elements of the fusion research community, and it will be reviewed by the Fusion Energy Sciences Advisory Committee (FESAC) in its normal public process before it is finalized and implemented.

Much of the basic work needed to support the development of such a plan has already been completed. The FESAC has prepared two reports, "Opportunities in the Fusion Energy Sciences Program", dated June 1999, and "Priorities and Balance within the Fusion Energy Sciences Program", dated September 1999. This latter report was prepared in light of not only the "Opportunities" report, but also the results of prior reviews by the SEAB Task Force and the National Research Council's Fusion Science Assessment Committee, and the outcome of the fusion community's July 1999 Fusion Summer Study.

What we need now is to integrate all of this information into a program plan that shows how the various elements of the program are interrelated and interdependent, meeting the intent of the SEAB recommendation, while maintaining the flexibility needed by a science-focused program. We also need intermediate milestones to go with the goals established by FESAC.

Appendix I (continued)



Appendix I (continued)

Charter for the U.S. Fusion Energy Sciences Integrated Program Plan Drafting Group

Working closely with the fusion research community and the Office of Fusion Energy Sciences, prepare a draft of an integrated program plan for the Fusion Energy Sciences Program by July 14, 2000.

As a basis for this draft plan, use:

- The Fusion Energy Sciences Advisory Committee's report on "Opportunities in the Fusion Energy Sciences Program", dated June 1999
- The Fusion Energy Sciences Advisory Committee's report on "Priorities and Balance within the Fusion Energy Sciences Program", dated September 1999
- The Final Report of the Secretary of Energy Advisory Board's Task Force on Fusion Energy, dated August 9, 1999, as transmitted to Secretary Richardson by Andrew Athy on September 30, 1999.
- The Interim Assessment of the National Research Council's Fusion Science Assessment Committee, dated August 31, 1999 and any further report from this group that may subsequently be released
- The output of the Fusion Community's Fusion Summer Study of July 1999

The draft plan should include the following elements:

- a description of the program goals that acknowledges both the science and energy goals of the program
- a description of program activities needed to achieve the goals
- a set of intermediate milestones for each program activity
- a description of the interrelationships among the activities
- a linkage between program accomplishments and program goals

The draft plan when implemented should provide:

- a flexible program framework to account for the inevitability of scientific and programmatic surprises
- the basis for performance-based management of the program
- the basis for resources planning
- the basis for establishing accountability
- encouragement of fundamental, innovative scientific research
- encouragement of the development of trained personnel