
Department of Energy (DOE)/Nuclear Regulatory Commission (NRC) Public Forum on a Regulatory Framework for Fusion

Location: Hilton Washington DC/Rockville Hotel
1750 Rockville Pike, Rockville, MD 20852

Date: March 18, 2020

Time: 9:00 am – 5:30 pm

Facilitators: DOE/NRC/Fusion Industry Association (FIA)

Agenda details:

[9:00 – 10:00]

Opening Remarks:

- a. DOE
 - i. Paul Dabbar, *Under Secretary for Science, DOE*
- b. NRC
 - i. Ho Neih, *Director of the Office of Nuclear Reactor Regulation, NRC*
- c. FIA
 - i. Andrew Holland, *Executive Director of the Fusion Industry Association (FIA)*
- d. Panel Discussion/Q&A

Moderator:
James Van
Dam

[10:00 – 10:50]

Morning Session 1: Introduction to Fusion Energy

- a. [10:00 – 10:20]
 - a. Introduction to Burning Plasma
 - i. Dr. Charles M. Greenfield, *Assistant Director, DIII-D National Fusion Program at General Atomics*
- b. [10:20 – 10:40]
 - b. Overview of US Fusion Safety
 - i. Dr. Paul Humrickhouse, *Research Scientist in the Fusion Safety Program Idaho National Laboratory (INL)*
- c. [10:40 – 10:50]
 - c. Panel Discussion/Q&A

Moderator:
James Van
Dam

[10:50 – 11:00]

Break

[11:00 – 12:10]

Morning Session 2: Regulator Perspectives

Moderator:
Bill Reckley

- a. [11:00 – 11:30]
 - a. Thoughts on the Commercial Fusion Regulatory Space
 - i. Peter Lyons, *Former NRC Commissioner and Assistant Secretary for NE-DOE*
 - b. Regulatory Approach for ITER
 - i. Joelle Elbez-Uzan, *Nuclear Safety Division Head, ITER Org*
- b. [11:30 – 12:00]
- c. [12:00 – 12:10]
 - c. Panel Discussion/Q&A

[12:10 – 1:10]

Lunch

[1:10 – 2:50]

Afternoon Session 1: Regulator Perspectives

Moderator:
Bill Reckley

- a. [1:10 – 1:30]
 - a. Thoughts on NRC Regulatory Approach for Fusion
 - i. John Monninger, *Office of Nuclear Reactor Regulation, Division Director of Advanced Reactors and Non-Power Production and Utilization Facilities, NRC*
- b. [1:30 – 1:50]
 - b. Thoughts on Regulatory Approach for Fusion-Canada
 - i. Kyle Cormier, *Project Officer New Major Facility Licensing Division, CNSC*
- c. [1:50 – 2:10]
 - c. Thoughts on Regulatory Approach for Fusion-France
 - i. Oliver Lareynie, *Nuclear Safety Specialist French Nuclear Safety Authority*
- d. [2:10 – 2:30]
 - d. Thoughts on Regulatory Approach for Fusion-United Kingdom
 - i. Claudio Chesi, *Policy Advisor Fusion Research Infrastructure and Establishments Team, BEIS*
- e. [2:30- 2:50]
 - e. Panel Discussion/Q&A

[2:50 – 3:00]

Break

[3:00 – 4:30]

- a. [3:00 – 3:15]
- b. [3:15 – 3:30]
- c. [3:30 – 3:45]
- d. [3:45 – 4:00]
- e. [4:00 – 4:15]
- f. [4:15 – 4:30]

Afternoon Session 2: FIA

- a. Industry Perspective – Legal
 - i. Amy Roma, *Partner, Hogan Lovells*
- b. Industry Perspective – Canada
 - i. Michael Cappello, *Senior Vice President for Prototype Deployment, General Fusion*
- c. Industry Perspective – US
 - i. Tyler Ellis, *Commonwealth Fusion Systems*
- d. Industry Perspective – Small Business
 - i. Derek Sutherland, *Chief Executive Officer, CTFusion*
- e. Industry Perspective – Small Business
 - i. David Kirtley, *Chief Executive Officer, Helion Energy*
- f. Panel Discussion/Q&A

Moderator:
Andrew
Holland

[4:30 – 5:00]

Next Steps and Closing Remarks