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:**

**Opening Remarks:**

**[9:00 – 10:00]**

- **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

**Morning Session 1: Introduction to Fusion Energy**

**[10:00 – 10:50]**

- **[10:00 – 10:20]**
  - a. Introduction to Burning Plasma
    - i. Dr. Charles M. Greenfield, *Assistant Director, DIII-D National Fusion Program at General Atomics*
- **[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)*
- **[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
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. [11:30 – 12:00] b. Regulatory Approach for ITER
   i. Joelle Elbez-Uzan, Nuclear Safety Division Head, ITER Org
c. [12:00 – 12:10] c. Panel Discussion/Q&A

[12:10 – 1:10] Lunch

[1:10 – 2:50] Afternoon Session 1: Regulator Perspectives
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]  Afternoon Session 2: FIA

   i. Amy Roma, Partner, Hogan Lovells

   i. Michael Cappello, Senior Vice President for Prototype Deployment, General Fusion

   i. Tyler Ellis, Commonwealth Fusion Systems

d. [3:45 – 4:00]  d. Industry Perspective – Small Business
   i. Derek Sutherland, Chief Executive Officer, CTFusion

e. [4:00 – 4:15]  e. Industry Perspective – Small Business
   i. David Kirtley, Chief Executive Officer, Helion Energy

f. [4:15 – 4:30]  f. Panel Discussion/Q&A

[4:30 – 5:00]  Next Steps and Closing Remarks