



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SECRETARY

January 13, 2020

Ms. Alice Caponiti
Deputy Assistant Secretary
Office of Nuclear Fleet and
Advanced Reactor Development
U.S. Department of Energy

Dear Ms. Caponiti,

The U.S. Nuclear Regulatory Commission (NRC) is pleased that you will participate in a public Commission briefing on Advanced Reactors and New Reactor Topics, on February 6, 2020, at 9:00 a.m. The Commission is interested in hearing about the U.S. Department of Energy's perspectives on advanced reactor development, including development and application of technology-inclusive, risk-informed, and performance-based methodologies. The meeting will be held in the Commissioners' Conference Room on the first floor of the NRC's Headquarters building at One White Flint North, Rockville, Maryland. I am enclosing a copy of the meeting agenda for your information. My staff will keep you informed of any updates to the agenda.

To assist the Commission in preparing for the meeting, please e-mail any written material, including slides, to Denise McGovern (Denise.McGovern@nrc.gov) and Sergio Gonzalez (Sergio.Gonzalez@nrc.gov) in the Office of the Secretary, by **January 30, 2020**, so that it can be distributed to the Commission for review in advance of the meeting. PowerPoint is the preferred format, but other electronic presentation formats may be used. This Commission meeting will be webcast live at the Web address: www.nrc.gov, and materials provided for the meeting will be posted on the NRC public website prior to the meeting: <http://www.nrc.gov/reading-rm/doc-collections/commission/tr/>. If you have any questions, please contact Ms. McGovern at 301-415-0681.

Your presentation at the Commission meeting should be based on the assumption that Commissioners are familiar with the content of your written material. Please plan your oral presentation for about ten (10) minutes, discussing the important points on which you wish to focus the Commission's attention. Please avoid the use of acronyms where possible. If you do use acronyms, please explain them during your presentation.

The NRC Headquarters building is located opposite the White Flint Metro Station on Rockville Pike and Marinelli Drive, Rockville, Maryland. The White Flint Metro Station is on the Red Line of the Washington area subway system. Reserved visitor parking for Commission guests is available. If you wish to use reserved parking, please notify Ms. McGovern in advance. If reserved parking has been arranged, please check-in with the security staff at the entrance to the NRC campus on Marinelli Drive when you arrive. A Security Guard will call for an escort.

Please note that visitors will be screened through metal detectors, will have their packages X-rayed, and will be required to present a picture identification card prior to signing in at the registration desk.

Sincerely,

A handwritten signature in black ink, appearing to read "Annette Vietti-Cook". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Annette L. Vietti-Cook

Enclosures:
Agenda

SCHEDULING NOTE

Title: **BRIEFING ON ADVANCED REACTORS AND NEW REACTOR TOPICS (Public)**

Purpose: To provide the Commission with an update on (1) NRC's efforts to modernize and risk-inform regulatory processes to effectively and efficiently license advanced reactors, (2) the NRC's efforts to complete the regulatory readiness activities under the Nuclear Energy Innovation and Modernization Act (3) Vogtle project activities, and (4) stakeholder perspectives on advanced reactor industry initiatives and NRC developmental activities, including potential policy and program challenges.

Scheduled: **February 6, 2020**
9:00 a.m.

Duration: Approx. 3 hours

Location: Commissioners' Conference Room, 1st fl. OWFN

Participants: **Presentation**

Panel 1 – External Stakeholders **40 mins.***

Alice Caponiti, Deputy Assistant Secretary, Office of Nuclear Fleet and Advanced Reactor Development, U.S. Department of Energy 10 mins.*

Topic:

- DOE perspectives on advanced reactor development, including development and application of technology-inclusive, risk-informed, and performance-based methodologies

Doug True, Chief Nuclear Officer and Senior Vice President, Nuclear Energy Institute 10 mins.*

Topic:

- Nuclear industry initiatives and priorities to support advanced reactor deployment including efforts on micro-reactors
- Status of NEI advanced reactor technology work groups (high temperature gas, fast reactors and molten salt reactors)

Amir Afzali, Policy and Licensing Director - Next Generation Reactors, Southern Company Services 10 mins.*

Topic:

- Licensing Modernization Project efforts to develop technology-inclusive, risk-informed, and performance-based guidance for licensing advanced reactors
- Insights and lessons-learned from pilot applications

Edwin Lyman , Director of Nuclear Power Safety, Union of Concerned Scientists	10 mins.*
<u>Topic:</u>	
• Stakeholder perspectives on advanced reactor regulatory and policy issues	
Commission Q & A	40 mins.
Break	5 mins.
<u>Panel 2 - NRC Staff</u>	40 mins.*
Margaret Doane , Executive Director for Operations	
<u>Topic:</u>	
• Opening Remarks	
Robert Taylor , Deputy Director for New Reactors, NRR	
<u>Topic:</u>	
• Vision and direction for regulatory reviews of advanced reactors, key opportunities and challenges, and coordination with federal agencies and external stakeholders	
Mike King , Director, Vogtle Project Office, NRR	
<u>Topic:</u>	
• Vogtle project activities	
John Segala , Branch Chief, Advanced Reactor Policy Branch, Division of Advanced Reactors and Non-Power Production and Utilization Facilities, NRR	
<u>Topic:</u>	
• Licensing Modernization Project	
○ Endorsement of guidance for a technology-neutral, risk-informed, and performance-based approach to licensing, and activities to meet NEIMA requirements	
Ben Beasley , Branch Chief, Advanced Reactor Licensing Branch, Division of Advanced Reactors and Non-Power Production and Utilization Facilities, NRR	
<u>Topic:</u>	
• Overview of readiness to review license applications, status of applications, and development of safety and environmental review regulatory guidance	
Commission Q & A	40 mins.
Discussion – Wrap-up	5 mins.
* For presentation only and does not include time for Commission Q & A's	
<u>Documents:</u>	
• Staff background material due: January 23, 2020	
• Slides due: January 30, 2020	