

AGENDA

Title: **BRIEFING ON NUCLEAR REGULATORY RESEARCH PROGRAM
(Public Meeting)**

Purpose: To brief the Commission on NRC efforts to conduct research in support of regulatory needs in nuclear safety.

Scheduled: **March 30, 2023
9:00 am**

Duration: Approximately 3 hours

Location: Commissioners' Hearing Room, 1st Floor OWFN

External Panel **36 mins.***

Ms. Véronique Rouyer, Head, Division of Nuclear Safety Technology and Regulation, Nuclear Energy Agency, 6 mins.

Topics:

- Role of Research in Building Core Capabilities and Advancing Nuclear Safety
- NEA's Nuclear Education, Skills and Technology (NEST) Framework

Dr. K. Michael Goff, Principal Deputy Assistant Secretary for Nuclear Energy, Office of Nuclear Energy, U.S. Department of Energy (DOE), 6 mins.

Topics:

- Interactions with the NRC on Advanced Reactors and Accident Tolerant Fuel
- Research Supporting Fleet Operational Excellence
- DOE Activities Supporting the Front and Back Ends of the Fuel Cycle

Dr. Jenifer Shafer, Program Director, Advanced Research Projects Agency-Energy, DOE, 6 mins.

Topics:

- Investing in High-Risk and High-Value Research

Dr. Zahra Mohaghegh, Associate Professor, University of Illinois University Nuclear Leadership Program (UNLP) Grant Recipient, 6 mins.

Topic:

- Building Capabilities at Universities through UNLP Mission-related Research and Development Grants

Dr. David Pickett, Senior Program Manager, Center for Nuclear Waste Regulatory Analyses, Southwest Research Institute, 6 mins.

Topic:

- Research Supporting Long-term Storage of Nuclear Materials

Mr. Steve Chengelis, Director, Transformative Nuclear Technologies, Electric Power Research Institute, 6 mins.

Topic:

- Forward-looking Research Associated with Advanced Reactor Technologies

Commission Q & A **50 mins.**

Break **5 mins.**

NRC Staff Panel **34 mins.***

Catherine Haney, Deputy Executive Director for Materials, Waste, Research, State, Tribal, Compliance, Administration, and Human Capital Programs

Topic:

- Opening Remarks on the Regulatory Research Program

Ray Furstenau, Director, Office of Nuclear Regulatory Research (RES)

Topics:

- Research Program Overview
- International Research Engagement: Leveraging Cooperation to Achieve Common Goals
- Future Focused Research (Process, Performance, and Vision)

Michael Franovich, Director, Division of Risk Assessment, Office of Nuclear Reactor Regulation

Topics:

- Research Contributions to Mission Success
- Technical Bases Development to Support Regulatory Decisions

Fred Sock, Structural Engineer, Division of Engineering, RES

Topic:

- Cooperation with National Reactor Innovation Center under the Nuclear Energy Innovation Capabilities Act

Louise Lund, Director, Division of Engineering, RES

Topic:

- Enhancing the Research Program Through Stakeholder Outreach

Thomas Boyce, Chief, Materials and Structural Branch, Division of Fuel Management, Office of Nuclear Material Safety and Safeguards

Topic:

- Fuel Cycle Research Cooperation

Commission Q & A **50 mins.**

Discussion – Wrap-up **5 mins.**

*For presentation only; does not include time for Commission Q & A's