

# RIC 2025

## CHARTING THE NEXT 50 YEARS

www.nrc.gov #nrcric2025

U.S. Nuclear Regulatory Commission  
37<sup>th</sup> ANNUAL REGULATORY  
INFORMATION CONFERENCE



MARCH 11-13  
BETHESDA NORTH MARRIOTT  
HOTEL & CONFERENCE CENTER

## Program Agenda

*The content and views in presentations are those of the presenters and do not necessarily represent the views of the U.S. Nuclear Regulatory Commission (NRC).*

*The agenda is tentative and subject to change. All times noted are Eastern Daylight Time (EDT).*

### MONDAY, MARCH 10, 2025

3:00 p.m.–6:00 p.m.  
Lower Level

**Early Registration Open** (*Registration Service Desk*)

### TUESDAY, MARCH 11, 2025

7:00 a.m.–7:55 a.m.  
Grand Ballroom Foyer–Main Level

**Meet and Greet—Networking Opportunity**

7:00 a.m.–5:15 p.m.  
Lower Level

**Service Area Open** (*Registration and Help Desk*)

7:00 a.m.–5:15 p.m.  
Grand Ballroom Foyer–Main Level

**Digital Exhibits on Display**

8:00 a.m.–5:15 p.m.  
Ballroom A Foyer–Main Level

**READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour Check-in**

8:00 a.m.–9:00 a.m.  
Grand Ballroom—Main Level

**Opening Plenary**

**Welcome and Introductory Remarks (Morning Message)**

- Laura Dudes, Acting Director, Office of Nuclear Reactor Regulation, NRC
- John Tappert, Acting Director, Office of Nuclear Regulatory Research, NRC

**Q&A Moderator**

- Laura Dudes, Acting Director, Office of Nuclear Reactor Regulation, NRC

**Remarks by The Honorable David A. Wright**

- David A. Wright, Chairman, NRC

9:00 a.m.–9:45 a.m.  
Grand Ballroom—Main Level

**Special Guest Speaker Plenary**

**Introduction and Q&A Moderator**

- David A. Wright, Chairman, NRC

**Remarks by The Honorable Shelley Moore Capito**

- Shelley Moore Capito, U.S. Senator and Chairman of the Senate Committee on Environment and Public Works

9:45 a.m.–10:30 a.m.  
Grand Ballroom Foyer–Main Level

**Networking Break—Digital Exhibits on Display**

10:30 a.m.–11:15 a.m.  
Grand Ballroom—Main Level

**Commissioner Plenary**

**Introduction and Q&A Moderator**

- John Tappert, Acting Director, Office of Nuclear Regulatory Research, NRC

**Remarks by The Honorable Annie Caputo**

- Annie Caputo, Commissioner, NRC

# RIC 2025

## CHARTING THE NEXT 50 YEARS

www.nrc.gov #nrcric2025

U.S. Nuclear Regulatory Commission  
37<sup>th</sup> ANNUAL REGULATORY  
INFORMATION CONFERENCE



**MARCH 11-13**  
BETHESDA NORTH MARRIOTT  
HOTEL & CONFERENCE CENTER

### TUESDAY, MARCH 11, 2025 (cont.)

11:15 a.m.–12:00 p.m. <i>Grand Ballroom–Main Level</i>	<b>Commissioner Plenary</b>  <i>Introduction and Q&amp;A Moderator</i> <ul style="list-style-type: none"> <li>Laura Dudes, Acting Director, Office of Nuclear Reactor Regulation, NRC</li> </ul> <i>Remarks by The Honorable Christopher T. Hanson</i> <ul style="list-style-type: none"> <li>Christopher T. Hanson, Commissioner, NRC</li> </ul>
12:00 p.m.–1:30 p.m. <i>Grand Ballroom Foyer–Main Level</i>	<b>Lunch Break (On Own)—Digital Exhibits on Display</b>
<b>Technical Sessions</b>	
1:30 p.m.–3:00 p.m.	<b>T1 – Palisades and Beyond: Regulatory Perspectives on the Potential Restart of Facilities in Decommissioning</b>
1:30 p.m.–3:00 p.m.	<b>T2 – ADVANCING U.S. Nuclear Energy Global Leadership</b>
1:30 p.m.–3:00 p.m.	<b>T3 – Advancing ACRS Safety Reviews into the Next 50 Years</b>
1:30 p.m.–3:00 p.m.	<b>T4 – Powering the Future: Advancing Reactor Licensing Efficiencies through Streamlined Power Uprate Reviews</b>
1:30 p.m.–3:00 p.m. <i>Departure/Return Location: Ballroom A Foyer–Main Level</i>	<b>READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #1</b>
3:00 p.m.–3:45 p.m. <i>Grand Ballroom Foyer–Main Level</i>	<b>Networking Break—Digital Exhibits on Display</b>
<b>Technical Sessions</b>	
3:45 p.m.–5:15 p.m.	<b>T5 – Data and Artificial Intelligence in Action: Balancing Innovation and Safety</b>
3:45 p.m.–5:15 p.m.	<b>T6 – Design to Assembly Line: Understanding High-Volume Nuclear Reactor Licensing</b>
3:45 p.m.–5:15 p.m.	<b>T7 – The Future of Fusion Power on the Grid: Building a Flexible, Resilient Regulatory Framework for Commercial Deployment of Fusion Machines</b>
3:45 p.m.–5:15 p.m.	<b>T8 – The Next Generation Workforce - Charting the Course for Another 50 Years</b>
<b>WEDNESDAY, MARCH 12, 2025</b>	
7:30 a.m.–8:30 a.m. <i>Grand Ballroom Foyer–Main Level</i>	<b>Meet and Greet—Networking Opportunity</b>
7:30 a.m.–5:15 p.m. <i>Lower Level</i>	<b>Service Area Open (Registration and Help Desk)</b>
7:30 a.m.–5:15 p.m. <i>Grand Ballroom Foyer–Main Level</i>	<b>Digital Exhibits on Display</b>
8:00 a.m.–5:15 p.m. <i>Ballroom A Foyer–Main Level</i>	<b>READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour Check-in</b>

# RIC 2025

## CHARTING THE NEXT 50 YEARS

www.nrc.gov #nrcric2025

U.S. Nuclear Regulatory Commission  
**37<sup>th</sup> ANNUAL REGULATORY  
 INFORMATION CONFERENCE**



**MARCH 11-13**  
 BETHESDA NORTH MARRIOTT  
 HOTEL & CONFERENCE CENTER

### WEDNESDAY, MARCH 12, 2025 (cont.)

<p>8:15 a.m.–9:00 a.m.  <i>Grand Ballroom–Main Level</i></p>	<p><b>Commissioner Plenary</b></p> <p><i>Introduction and Q&amp;A Moderator</i></p> <ul style="list-style-type: none"> <li>• John Tappert, Acting Director, Office of Nuclear Regulatory Research, NRC</li> </ul> <p><i>Remarks by The Honorable Bradley R. Crowell</i></p> <ul style="list-style-type: none"> <li>• Bradley R. Crowell, Commissioner, NRC</li> <li>• The Honorable Stephen Burns, former Chairman, NRC</li> <li>• The Honorable William Ostendorff, former Commissioner, NRC</li> </ul>
<p>9:00 a.m.–9:45 a.m.  <i>Grand Ballroom–Main Level</i></p>	<p><b>Commissioner Plenary</b></p> <p><i>Introduction and Q&amp;A Moderator</i></p> <ul style="list-style-type: none"> <li>• Laura Dudes, Acting Director, Office of Nuclear Reactor Regulation, NRC</li> </ul> <p><i>Remarks by The Honorable Matthew J. Marzano</i></p> <ul style="list-style-type: none"> <li>• Matthew J. Marzano, Commissioner, NRC</li> </ul>
<p>9:45 a.m.–10:30 a.m.  <i>Grand Ballroom Foyer–Main Level</i></p>	<p><b>Networking Break—Digital Exhibits on Display</b></p>
<p>10:30 a.m.–11:15 a.m.  <i>Grand Ballroom Foyer–Main Level</i></p>	<p><b>EDO Plenary</b></p> <p><i>Introduction and Q&amp;A Moderator</i></p> <ul style="list-style-type: none"> <li>• John Tappert, Acting Director, Office of Nuclear Regulatory Research, NRC</li> </ul> <p><i>Beyond the ADVANCE Act</i></p> <ul style="list-style-type: none"> <li>• Mirela Gavrilas, Executive Director of Operations, Office of the Executive Director of Operations, NRC</li> <li>• John Lubinski, Director, Office of Nuclear Material Safety and Safeguards, NRC</li> <li>• Jack Giessner, Regional Administrator, Region III, NRC</li> <li>• Mike King, Special Assistant for ADVANCE Act, Office of the Director for Operations, NRC</li> <li>• Owen Barwell, Chief Financial Officer, Office of the Chief Financial Officer, NRC</li> <li>• Sabrina Attack, Deputy Office Director, Office of International Programs, NRC</li> </ul>
<p>11:15 a.m.–12:00 p.m.  <i>Grand Ballroom–Main Level</i></p>	<p><b>Special Plenary Session—The Next 50 Years</b></p> <p><i>Introduction and Q&amp;A Moderator</i></p> <ul style="list-style-type: none"> <li>• David A. Wright, Chairman, NRC</li> </ul> <p><i>Panelist</i></p> <ul style="list-style-type: none"> <li>• Maria Korsnick, President, Nuclear Energy Institute</li> <li>• Kim Greene, Chairman, President and Chief Executive Officer, Georgia Power</li> <li>• Christopher Levesque, President and Chief Executive Officer, TerraPower</li> <li>• Paul Nobel, International Secretary-Treasurer, International Brotherhood of Electric Workers</li> <li>• Mirela Gavrilas, Executive Director for Operations, Office of the Executive Director of Operations, NRC</li> </ul>

# RIC 2025

## CHARTING THE NEXT 50 YEARS

www.nrc.gov #nrcric2025

U.S. Nuclear Regulatory Commission  
37<sup>th</sup> ANNUAL REGULATORY  
INFORMATION CONFERENCE



**MARCH 11-13**  
BETHESDA NORTH MARRIOTT  
HOTEL & CONFERENCE CENTER

### WEDNESDAY, MARCH 12, 2025 (cont.)

12:00 p.m.–1:30 p.m.  
*Grand Ballroom Foyer–Main Level*

**Lunch Break** (*On Own*)—Digital Exhibits on Display

#### Technical Sessions

1:30 p.m.–3:00 p.m.

**W9 – Blazing New Trails in Emergency Preparedness and a Demonstration of the FEMA's Integrated Public Alert and Warning System**

1:30 p.m.–3:00 p.m.

**W10 – Elevating NRC Safety and Efficiency Through Risk-Informed Decision-Making**

1:30 p.m.–3:00 p.m.

**W11 – Re-Energizing License Renewal**

1:30 p.m.–3:00 p.m.

**W12 – Implementing the Blueprint for Modernizing Environmental Reviews and the ADVANCE Act**

1:30 p.m.–3:00 p.m.

*Departure/Return Location:  
Ballroom A Foyer–Main Level*

**READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #2**

3:00 p.m.–3:45 p.m.

*Grand Ballroom Foyer–Main Level*

**Networking Break**—Digital Exhibits on Display

#### Technical Sessions

3:45 p.m.–5:15 p.m.

**W13 – Approaches for Addressing Evolving External Hazards in Nuclear Power**

3:45 p.m.–5:15 p.m.

**W14 – Codes and Standards for New and Advanced Reactors**

3:45 p.m.–5:15 p.m.

**W15 – Looking Ahead at Domestic Implementation of International Export Controls**  
*This session is cancelled; attendees are welcome to participate in other available sessions.*

3:45 p.m.–5:15 p.m.

**W16 – Regional Session: Shedding Light on Regional Oversight**

### THURSDAY, MARCH 13, 2025

7:30 a.m.–8:30 a.m.

*Grand Ballroom Foyer–Main Level*

**Meet and Greet**—Networking Opportunity

7:30 a.m.–10:30 a.m.

*Lower Level*

**Service Area Open** (*Registration and Help Desk*)

7:30 a.m.–12:00 p.m.

*Grand Ballroom Foyer–Main Level*

**Digital Exhibits on Display**

8:00 a.m.–10:30 a.m.

*Ballroom A Foyer–Main Level*

**READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour Check-in**

#### Technical Sessions

8:30 a.m.–10:00 a.m.

**TH17 – Building the Energy Future - Exploring Opportunities for the Safe and Economic Design and Construction of New and Advanced Nuclear Reactors**

8:30 a.m.–10:00 a.m.

**TH18 – Quality Assurance: The Foundation for the Safe Operation of Nuclear Power Plants**

8:30 a.m.–10:00 a.m.

**TH19 – Driving the Future of Transportation in a Changing Landscape of Advanced Fuels and Technologies**

# RIC 2025

## CHARTING THE NEXT 50 YEARS

www.nrc.gov #nrcric2025

U.S. Nuclear Regulatory Commission  
**37<sup>th</sup> ANNUAL REGULATORY  
 INFORMATION CONFERENCE**



**MARCH 11-13**  
 BETHESDA NORTH MARRIOTT  
 HOTEL & CONFERENCE CENTER

### THURSDAY, MARCH 13, 2025 (cont.)

#### Technical Sessions

8:30 a.m.–10:00 a.m.	<b>TH20 – United States, Canada, and United Kingdom Small Modular Reactors and Advanced Reactor Trilateral Cooperation</b>
8:30 a.m.–10:00 a.m. <i>Departure/Return Location: Ballroom A Foyer–Main Level</i>	<b>READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #3</b>
10:00 a.m.–10:45 a.m. <i>Grand Ballroom Foyer–Main Level</i>	<b>Networking Break—Digital Exhibits on Display</b>
<b>Technical Sessions</b>	
10:45 a.m.–12:15 p.m.	<b>TH21 – Shortening the Half-Life of Advanced Fuel Deployment in Light Water Reactors</b>
10:45 a.m.–12:15 p.m.	<b>TH22 – Legal Impacts of the ADVANCE Act and Recent Supreme Court Administrative Law Decisions on the NRC’s Regulatory and Adjudicatory Processes</b>
10:45 a.m.–12:15 p.m.	<b>TH23 – More than Mapping: Improved Earth-Sensing Technology for Future Site Selection and Characterization</b>
10:45 a.m.–12:15 p.m.	<b>TH24 – One Giant Leap for Humankind: Using Nuclear Power to Explore Space</b>
10:45 a.m.–12:15 p.m. <i>Departure/Return Location: Ballroom A Foyer–Main Level</i>	<b>READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #4</b>
12:15 p.m.	<b>Adjourn</b>