

U.S. Nuclear Regulatory Commission
38th Annual Regulatory Information Conference

RIC2026

Regulation, Innovation and
Collaboration for a Safer Tomorrow

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and Conference Center
Rockville, MD

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NRC.gov



W12 - Enabling the Safe & Timely Deployment of Microreactors: Meeting Critical US Needs Through Innovation & Regulatory Readiness

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Regulatory Research (RES)

Accelerating Nuclear Innovation: The NRC's Path Forward

- Accelerated Licensing Timelines
- Major Policy Shift in NRC Mission
- Streamlined Processes & Efficiency Gains
- Assurance of Safety & Oversight Integrity



- **Session Focus:**
 - Examine how the NRC and stakeholders are shaping a risk-informed, flexible framework for deploying microreactors and other low-consequence technologies.
- **What You Will Learn:**
 - NRC pathways for licensing microreactors, including approaches for factory-fabricated designs.
 - Operational and security innovations, such as standardized programs and remote monitoring/operation.
 - Interagency coordination needs for transportation, siting, and licensing (e.g., Coast Guard roles).
 - Commercial and end-user perspectives shaping deployment readiness, including data center applications.
- **Stakeholder Perspectives:**
 - Hear from policymakers, industry leaders, and technologies developers.
- **Interactive Q&A:**
 - Engage directly with regulators and innovators.



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