



**RIC2026**

**#T3 - Modernizing Mission Work**

**HOW NRC IS TURNING  
AI VISION  
INTO ACTION**

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Chief Enterprise  
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Manager

## The NRC's AI Evolution

2023

- Launched discovery of potential AI use cases with broad staff engagement.

2024

- Developed a plan to put an enterprisewide AI strategy framework in place.

2025

- Began building technical and programmatic foundation to enable AI adoption.
- Made curated data sets publicly available.

2026

- Adopt AI broadly across the NRC.
- Engage with stakeholders to improve data sharing.
- Expand AI and data solutions to enhance acceptance reviews, licensing, inspections, and mission support.

## NRC: Data Strategy 2026

- Data as strategic asset
- Secure, accessible, trusted data
- Agencywide stewardship responsibilities
- Data-driven decision-making
- Continuous improvement via analytics

## Federal Chief Data Officers Council: 2026 Goals

- Governmentwide best practices
- Facilitate data-sharing agreements
- Improve evidence-backed policymaking
- Stakeholder engagement and access
- Tech innovation in data collection/use



SimplifAI is an AI assistant designed to support the NRC staff in advancing the agency's mission.

**SimplifAI**

**In Action**

## Process Improvement for Power Uprate Reviews and Beyond

### Use Case Examples

- Acceptance Review
- Identification of Technical Review Areas
- Drafting of Correspondence

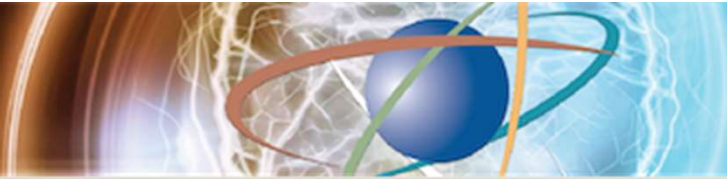
- Meeting Summaries
- *Federal Register* Notices
- Press Releases

- Project Schedule Development
- Resource Assignment
- Draft Safety Evaluation Report Development

- Precedent Reviews
- Application Kickoff Prep

U.S. Nuclear Regulatory Commission  
36<sup>th</sup> Annual Regulatory Information Conference

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