

# **ADVANCE Act Implementation**

## **Public Meeting Will Begin Shortly**

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Public Meeting Information:  
<https://www.nrc.gov/pmns/mtg?do=details&Code=20241205>,  
or ML24269A182

# Agenda

- Meeting Logistics
- Introductions
- NRC Presentation
- Public Comments





## **Meeting Logistics**

- **NRC is gathering external interested party input on its implementation of the Accelerating Deployment of Versatile, Advanced Nuclear Clean Energy Act of 2024.**
- **Virtual participants are in listen-only mode until the designated comment session.**
- **No regulatory decisions will be made at today's meeting.**

# **NRC's Implementation of the ADVANCE Act**

**Mike King**

**Special Assistant for ADVANCE Act Implementation**

**October 16, 2024**

# The Core Team



**Mike King**  
Special Assistant



**Jessica Bielecki**  
Assistant General Counsel



**John Lubinski**  
Director, NMSS



**Owen Barwell**  
Chief Financial Officer



**Jack Giessner**  
Administrator, Region 3



# The Support Team



**Shilp  
Vasavada**

Project Management



**Luis  
Betancourt**

Project Management



**Aaron  
McCraw**

Communications

# The Landscape Has Changed



**Global decarbonization goals**



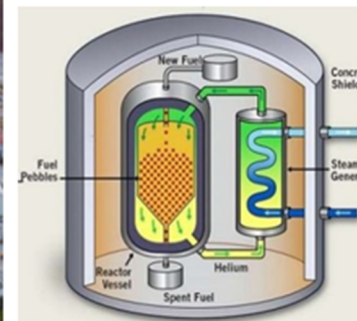
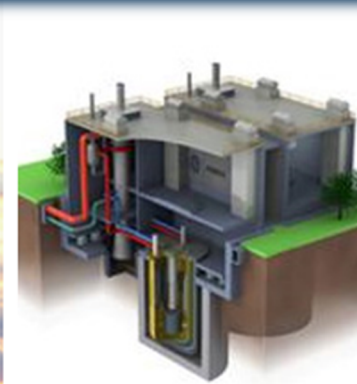
**Growing energy demands**



**Improved public perception**



# Signposts & Markers





# Unprecedented Bipartisan Support



**House Vote  
393-13**

**Senate Vote  
88-2**

# Overview of the Act



Update mission statement



Enhance initiatives to achieve efficient, timely, and predictable license application reviews



Establish an expedited procedure for reviewing qualifying new reactor license applications



Implement changes to how the agency recovers fees from licensees, including establishing a lower hourly rate for advanced reactor applicants and pre-applicants

# Overview of the Act



Develop a regulatory framework for fusion technology



Assess the licensing review process for new nuclear facilities at former fossil-fuel power plant sites and brownfield sites



Develop strategies and guidance for microreactors



Remove certain limitations on foreign ownership of some types of licensed facilities



# Overview of the Act



Continue to support international coordination on nuclear technologies and licensing activities



Implement new requirements relating to nuclear fuel



Establish a nuclear energy traineeship subprogram to meet critical mission and nuclear workforce needs



Implement additional pay and hiring authorities

## By the Numbers

16

Number of actions with Congressional deliverables to respond to the ADVANCE Act

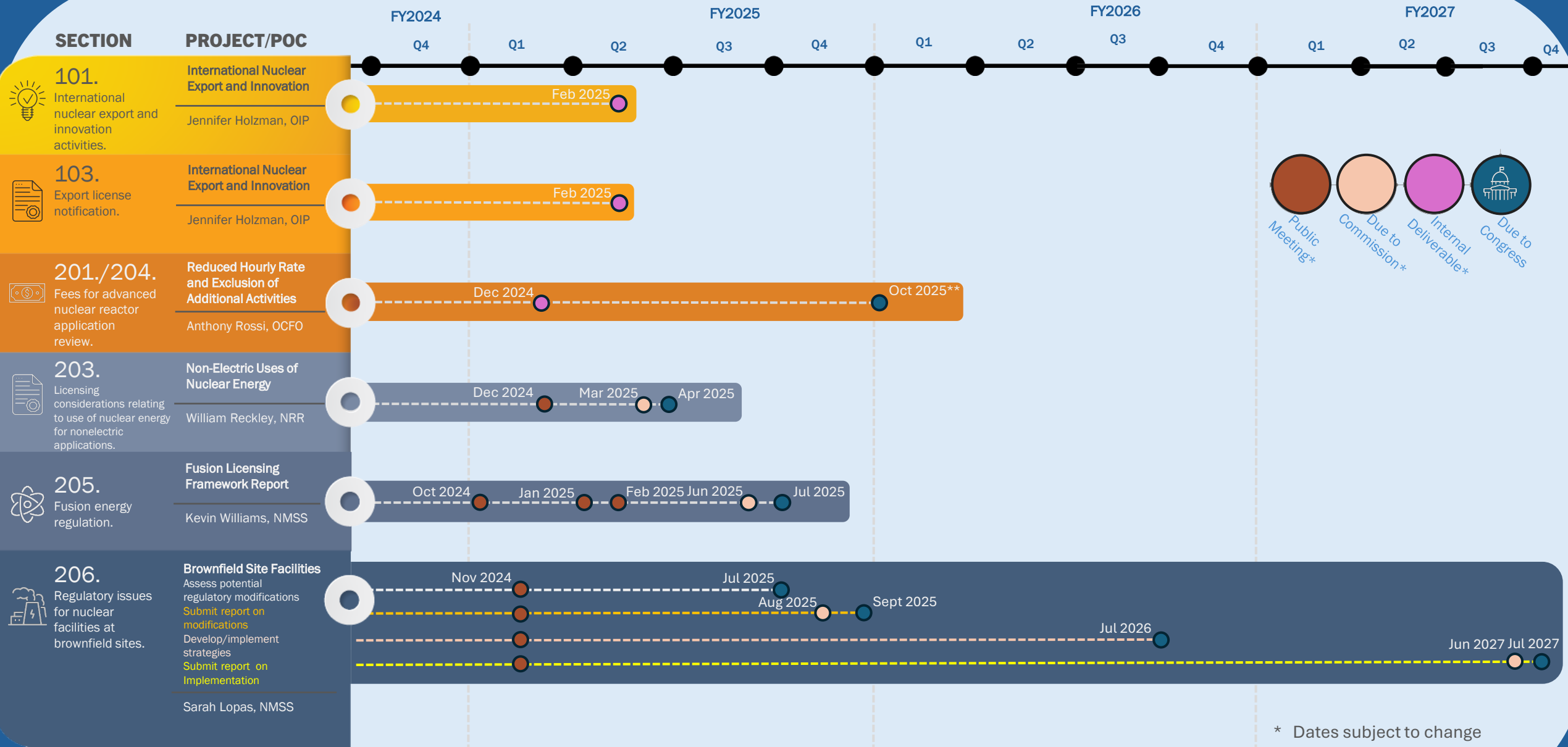
Number of actions derived from the Act without Congressional deliverables

19

20

Number of interoffice project teams formed to address actions

# Advance Act Project Key Milestones

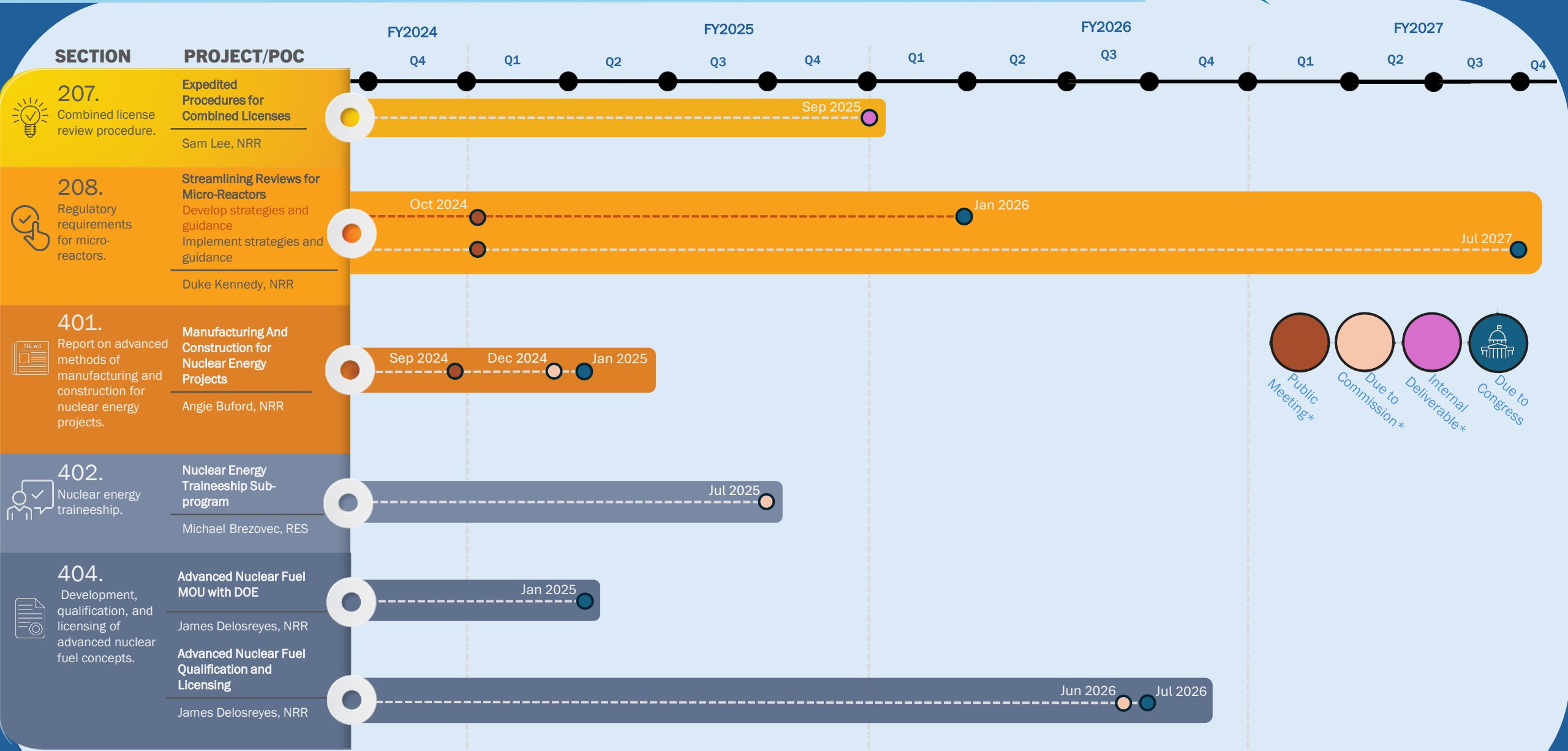


\* Dates subject to change

\*\* Effective date of revised fee rule, if approved



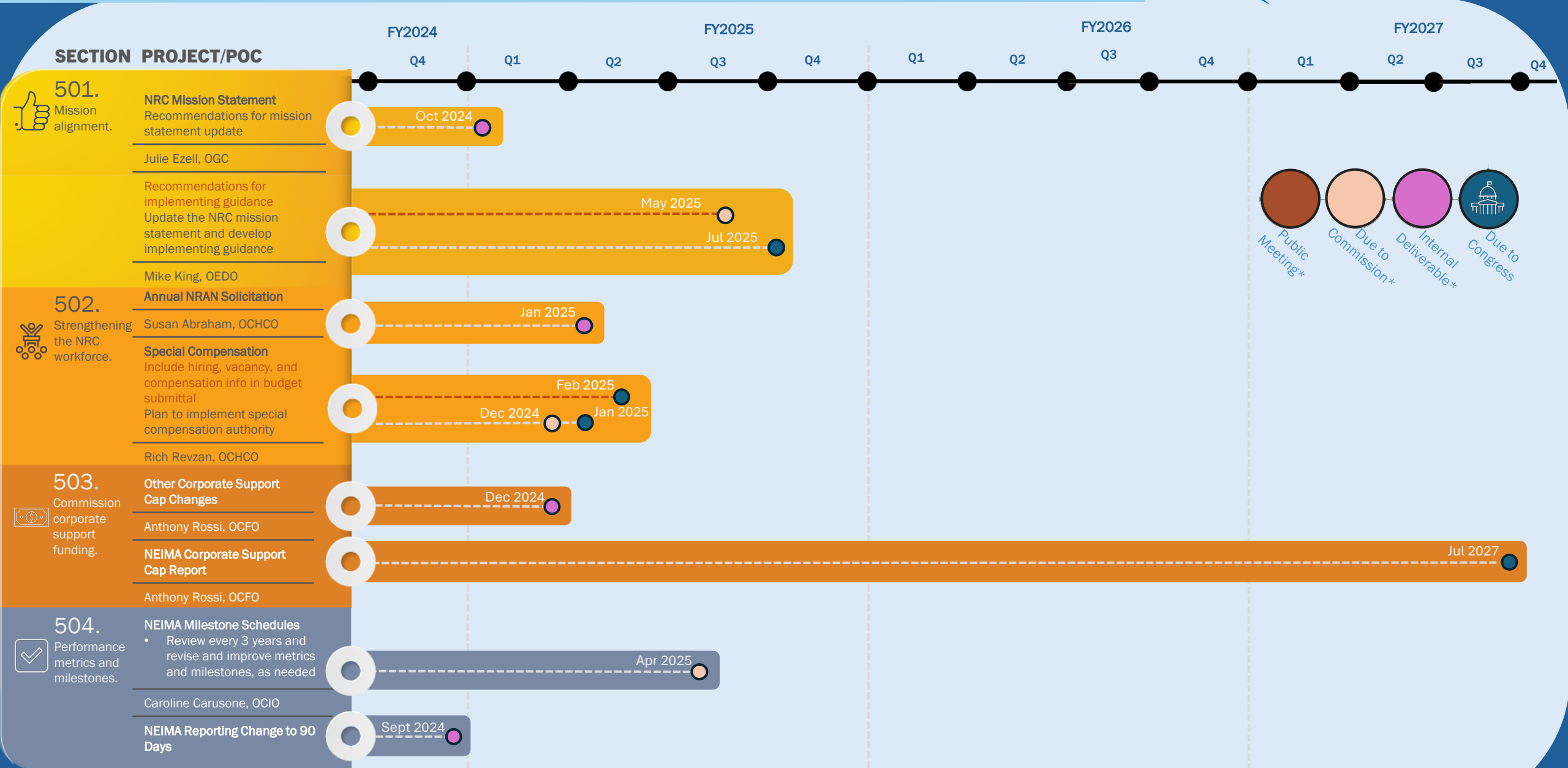
# Advance Act Project Key Milestones



- Public Meeting\*
- Due to Commission\*
- Internal Deliverable\*
- Due to Congress

\* Dates subject to change

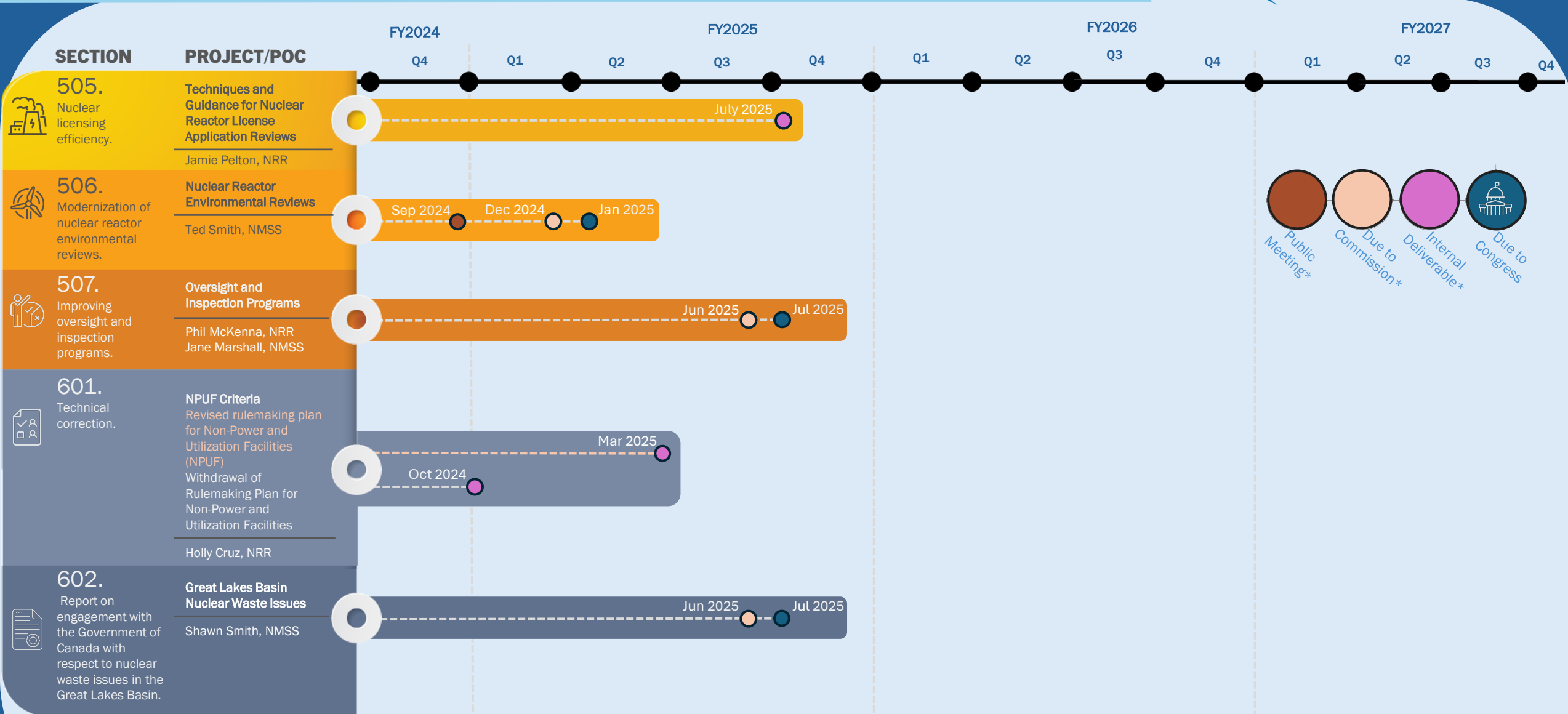
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- Due to Commission\*
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# Contact Us

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203	Non-Electric Uses of Nuclear Energy	William Reckley, NRR	<a href="mailto:William.Reckley@nrc.gov">William.Reckley@nrc.gov</a>
205	Fusion Licensing Framework Report	Kevin Williams, NMSS	<a href="mailto:Kevin.Williams@nrc.gov">Kevin.Williams@nrc.gov</a>
206	Brownfield Site Facilities	Sarah Lopas, NMSS	<a href="mailto:Sarah.Lopas@nrc.gov">Sarah.Lopas@nrc.gov</a>
207	Expedited Procedures for Combined Licenses	Samuel Lee, NRR	<a href="mailto:Samuel.Lee@nrc.gov">Samuel.Lee@nrc.gov</a>
208	Streamlining Reviews for Micro-Reactors	Duke Kennedy, NRR	<a href="mailto:William.Kennedy@nrc.gov">William.Kennedy@nrc.gov</a>
401	Manufacturing And Construction for Nuclear Energy Projects	Angie Buford, NRR	<a href="mailto:Angela.Buford@nrc.gov">Angela.Buford@nrc.gov</a>
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404	Advanced Nuclear Fuel	James Delosreyes, NRR	<a href="mailto:James.Delosreyes@nrc.gov">James.Delosreyes@nrc.gov</a>
501	Mission Statement Update	Julie Ezell, OGC	<a href="mailto:Julie.Ezell@nrc.gov">Julie.Ezell@nrc.gov</a>
502	Annual NRC Solicitation	Susan Abraham, OCHCO	<a href="mailto:Susan.Abraham@nrc.gov">Susan.Abraham@nrc.gov</a>
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602	Great Lakes Basin Coordination	Shawn Smith, NMSS	<a href="mailto:Shawn.Smith@nrc.gov">Shawn.Smith@nrc.gov</a>

# To Stay Updated



For NRC's public information site  
for ADVANCE Act updates

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United States Nuclear Regulatory Commission  
Protecting People and the Environment

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## ADVANCE Act (Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy Act of 2024)

Public Meetings

- Upcoming Meetings
- Past Meetings

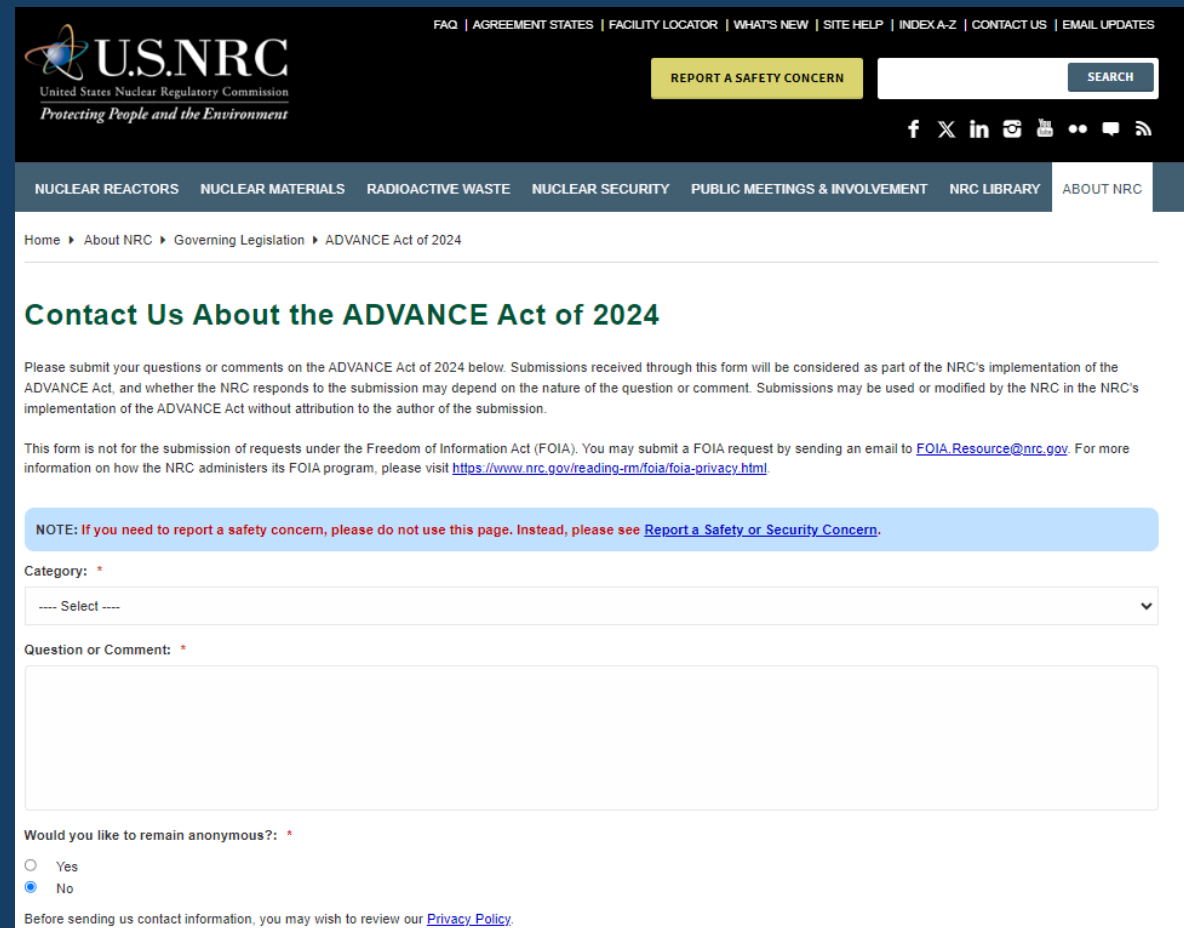
Questions, Comments, or Ideas

- Contact Us about the ADVANCE Act

# For Your Questions and Ideas



Contact us with ADVANCE Act questions, comments and ideas



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## Contact Us About the ADVANCE Act of 2024

Please submit your questions or comments on the ADVANCE Act of 2024 below. Submissions received through this form will be considered as part of the NRC's implementation of the ADVANCE Act, and whether the NRC responds to the submission may depend on the nature of the question or comment. Submissions may be used or modified by the NRC in the NRC's implementation of the ADVANCE Act without attribution to the author of the submission.

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**NOTE: If you need to report a safety concern, please do not use this page. Instead, please see [Report a Safety or Security Concern](#).**

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---- Select ----

Question or Comment: \*

Would you like to remain anonymous?: \*  
 Yes  
 No

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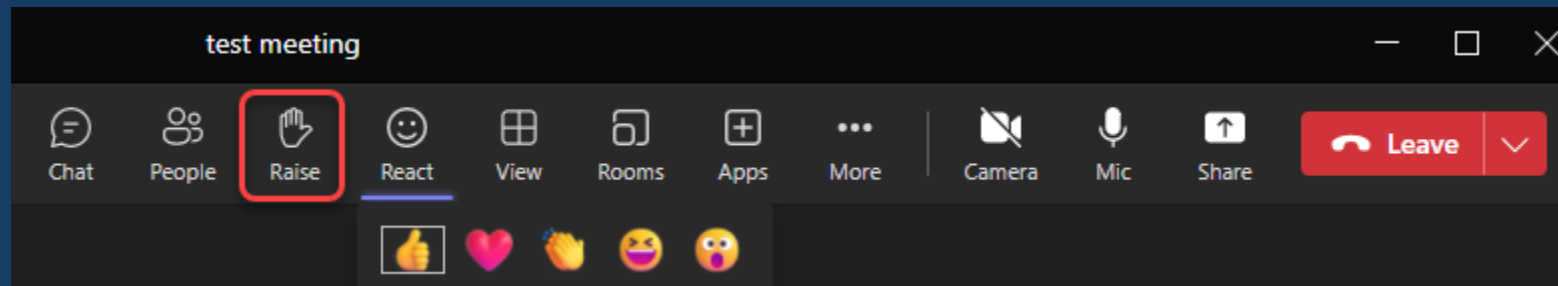






# To Participate Today

1) Use the “Raise Hand” button to indicate your desire to make a statement.



2) Wait for facilitator to acknowledge your turn to speak.



3) Unmute yourself

