STATUS REPORT ON THE LICENSING ACTIVITIES AND REGULATORY DUTIES OF THE U.S. NUCLEAR REGULATORY COMMISSION

For the Reporting Period of January 1, 2025, through March 31, 2025

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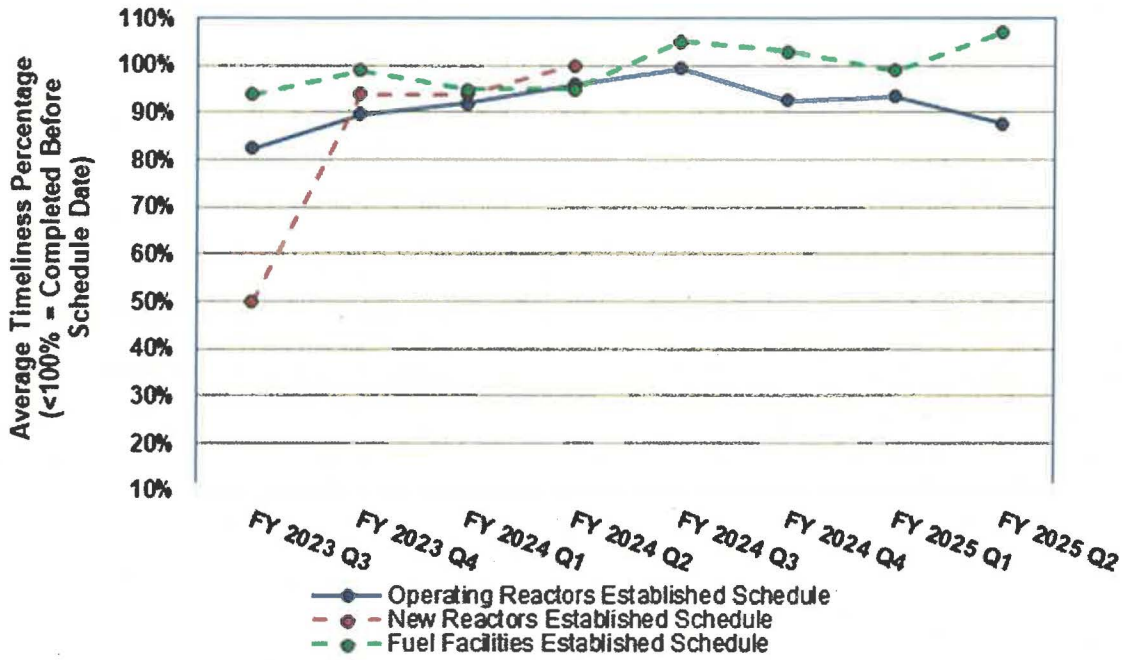
Enclosure 1 – High Level Summary

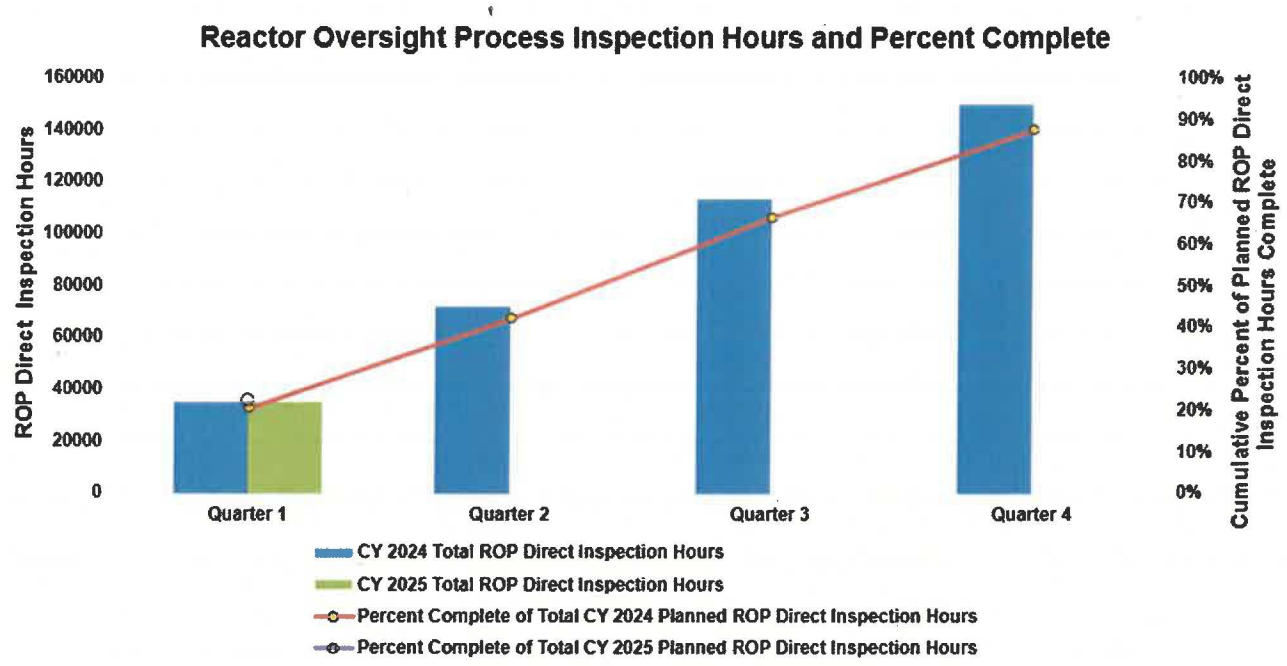
1-1 Average Timeliness Percentage for Licensing Actions Categorized Under the Nuclear Energy Innovation and Modernization Act[1],[2]



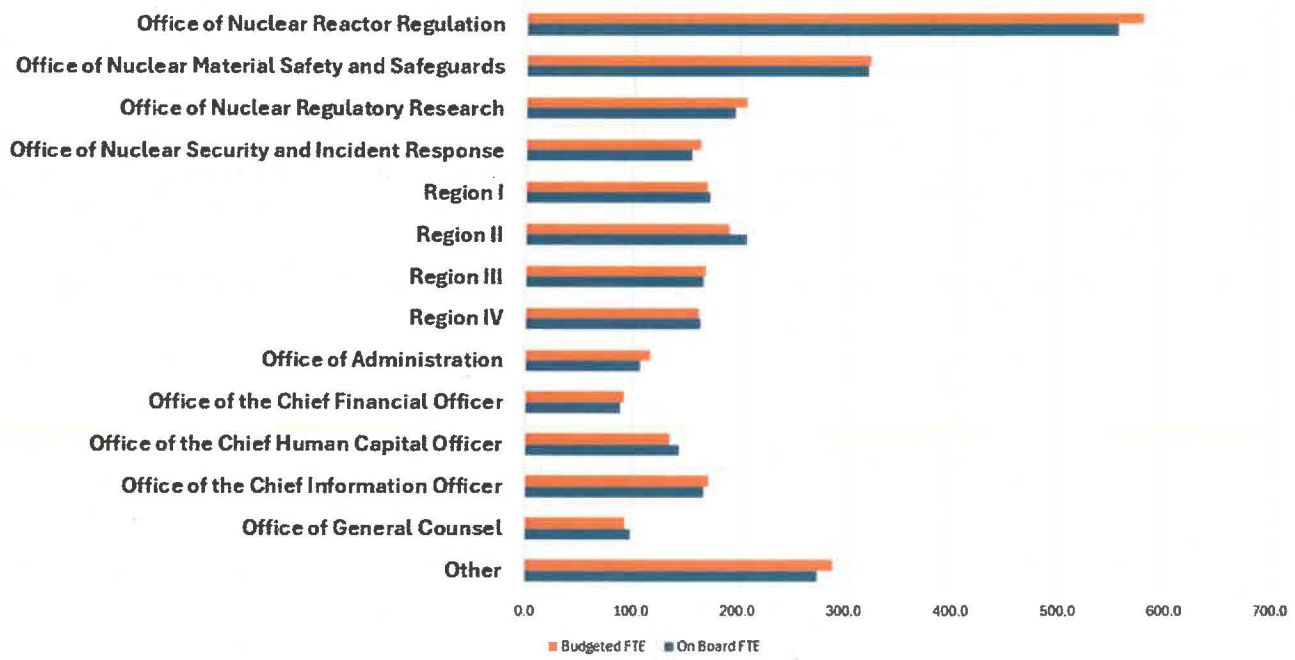
[1] Three activities categorized under the Nuclear Energy Innovation and Modernization Act (NEIMA) were completed in the third quarter (Q3) of fiscal year (FY) 2023 for the new reactor business line, all ahead of the established schedules. The three activities were completed in 50 percent of the established schedules, resulting in the Q3 FY 2023 average timeliness percentage for the new reactor business line of 50 percent.

[2] Two of the fuel facility items in Q2 FY 2025 exceeded the established schedule because of higher priority licensing actions and an issue identified late in the review. An extension was communicated and agreed to by the licensee.

1-2 Reactor Oversight Process (ROP) Inspection Hours and Percent Complete[3]



1-3 Full-Time Equivalent (FTE) at the End of Q2 FY 2025 vs. Budgeted FTE



[3] "Planned ROP direct inspection hours" refers to the number of hours associated with completion of the U.S. Nuclear Regulatory Commission's (NRC's) "nominal" number of inspection samples established for the baseline inspection program, which is a conservative target. This contrasts with the "minimum" number of hours that would be necessary to complete the set of inspection activities that constitutes completion of the ROP baseline inspection program for the calendar year. In addition, an estimated number of supplemental inspections are accounted for in the number of inspection hours, which may not be required that year.

1-4 Budget Authority, FTE Utilization, and Fees

NRC FY 2025 Budget Authority March 31, 2025 (Dollars in Thousands)[4]

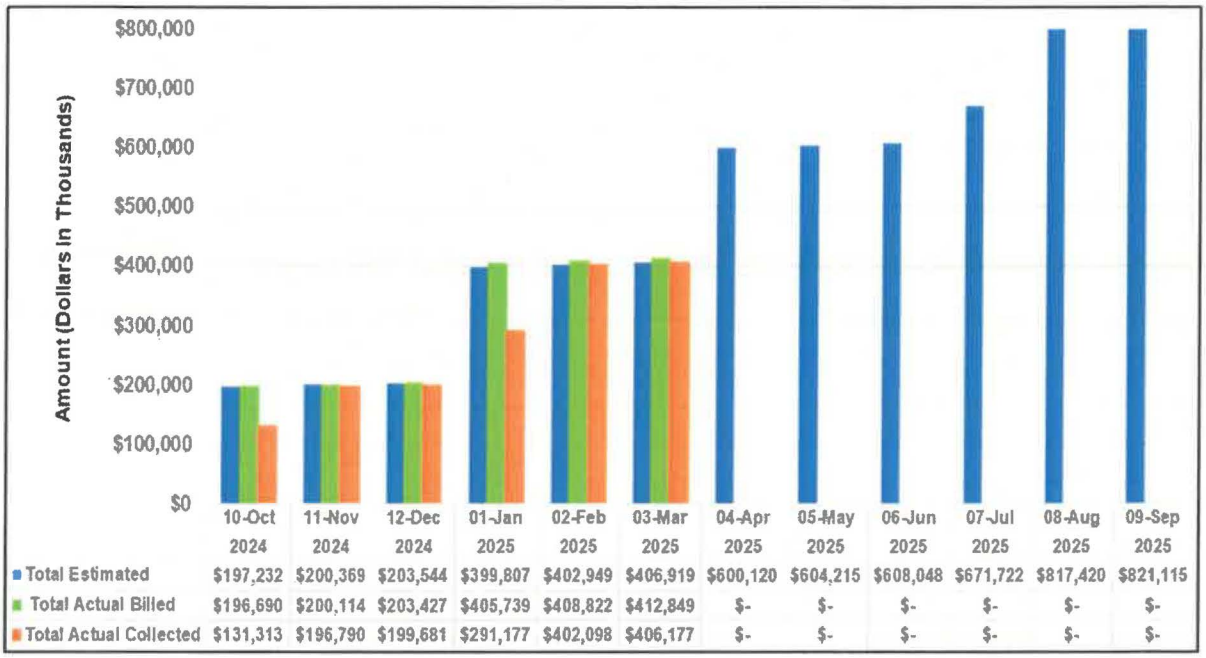
Fund Sources	FY 2025 Budget[5]	Percent Obligated	Percent Expended
Advanced Reactors	$25,681	32%	28%
Commission Funds	$12,560	32%	32%
Fee-Based Funds	$875,802	43%	38%
General Funds[6]	$996	21%	21%
International Activities	$17,888	38%	36%
University Nuclear Leadership Program	$12,683[7]	55%	0%
Official Representation	$30	52%	52%
Total[8]	**$945,639**	**43%**	**37%**
NRC Control Points	FY 2025 Budget	Percent Obligated	Percent Expended
Nuclear Reactor Safety	$486,625	46%	43%
Nuclear Materials and Waste Safety	$117,235	42%	38%
Decommissioning and Low-Level Waste	$24,688	40%	36%
Corporate Support	$304,409	38%	29%
University Nuclear Leadership Program[9]	$12,683[7]	55%	0%
Total[10]	**$945,639**	**43%**	**37%**

[4] One pay period from Q2 FY 2025 is not included due to ongoing reconciliation across multiple systems. An update will be made in the next reporting cycle.
[5] The agency was operating under the Further Continuing Appropriations Act, 2025 (as amended) during the reporting period; therefore, this table reflects the FY 2024 enacted levels. This table also includes the carryover allocated during Q2 FY 2025. The next quarterly report will reflect the enactment of the Full-Year Continuing Appropriations and Extensions Act, 2025.
[6] Consistent with previous reports, this row represents waste incidental to reprocessing activities excluded from the fee-recovery requirement.
[7] The University Nuclear Leadership Program (UNLP) value reflects carryover allocated during FY 2025 prior to the enactment of the FY 2025 full-year appropriation. According to the monthly Congressional Status Report for March 2025 (ML25099A232), the NRC has allocated $12,683K to UNLP, of which $7,000K was obligated. The remaining $5,683K will not be obligated. The next quarterly report will reflect the adjustments.
[8] Numbers might not add correctly due to rounding.
[9] The FY 2024 Explanatory Statement identified this control point as the "Integrated University Program." Division Z of the Consolidated Appropriations Act, 2021, replaced the Integrated University Program with the University Nuclear Leadership Program.
[10] Numbers might not add correctly due to rounding.

FTE Utilization, Hiring, and Attrition[11]

Total Year-to-Date (YTD) FTE Utilization	Projected End of Year FTE Total Utilization	Q2 Hiring	Q2 Attrition	YTD Hiring	YTD Attrition
1,361.9	2,813.9	52	52	104	116

FY 2025 Fees Estimated, Fees Billed, and Fees Collected Through Q2



	10-Oct 2024	11-Nov 2024	12-Dec 2024	01-Jan 2025	02-Feb 2025	03-Mar 2025	04-Apr 2025	05-May 2025	06-Jun 2025	07-Jul 2025	08-Aug 2025	09-Sep 2025
Total Estimated	$197,232	$200,369	$203,544	$399,807	$402,949	$406,919	$600,120	$604,215	$608,048	$671,722	$817,420	$821,115
Total Actual Billed	$196,690	$200,114	$203,427	$405,739	$408,822	$412,849	$-	$-	$-	$-	$-	$-
Total Actual Collected	$131,313	$196,790	$199,681	$291,177	$402,098	$406,177	$-	$-	$-	$-	$-	$-

Total for Title 10 of the *Code of Federal Regulations* (10 CFR) Part 170, "Fees for Facilities, Materials, Import and Export Licenses, and Other Regulatory Services Under the Atomic Energy Act of 1954, As Amended," Fees Billed (Dollars in Millions)

FY 2023	FY 2024	FY 2025 Q1-Q2
$186.4	$204.0	$106.7

[11] Note: YTD hiring and YTD attrition includes two hires and two losses in Q1 FY 2025 not included in the previous report.

Enclosure 2 – Status of Specific Items of Interest

Enclosure 2 outlines the status of key items of interest, providing for each a summary, a description of activities completed and planned during the current reporting period, and an overview of anticipated activities for the next two reporting periods.

2-1 Workforce Development and Management

The has NRC begun developing a new project management initiative to improve workforce development and management. The Agency Project Management Initiative (APMI) represents a strategic, enterprise-wide effort to modernize how the agency defines, plans, executes, and oversees its project-based work. At its core, the initiative is about embedding structure, consistency, and transparency into project management practices across all business lines. By establishing standardized definitions, data requirements, and lifecycle stages for projects and activities, APMI aims to create a common operating picture that allows for better alignment of agency priorities with available resources and capacity. APMI includes Strategic Workforce Planning by aligning workforce capabilities with current and future workload demands and enables proactive talent management.

During the reporting period, the agency began development of the NRC Enterprise eXecution and Utilization System (NEXUS), which is an enterprise-wide application developed to unify program, project, workload, and workforce management across the agency. NEXUS leverages data from multiple authoritative sources to enable real-time visibility into agency work, resource demands, and workforce capacity.

Also, during this reporting period, the NRC completed significant steps in connection with Section 502 of the Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy Act of 2024 (ADVANCE Act). Hiring during the reporting period was largely curtailed due to the government-wide hiring freeze. Additionally, approximately 110 NRC employees chose to participate in the Deferred Resignation Program.

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

Workforce Development and Management Activities	Projected Completion Date	Completion Date
Completed an assessment of the NRC's hiring process.	2/28/25	3/31/25

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q4 FY 2025)

Projected Workforce Development and Management Activities	Projected Completion Date
Implement the revised SWP process with information from offices on future staffing needs.	09/30/25[12]
Post Job Opportunity Announcement to recruit for the next NRAN cohort, to hereafter occur on an annual frequency in accordance with Section 502(c) of the ADVANCE Act.	9/30/25

[12] The projected completion date changed from 6/30/2025 to 9/30/2025 due to an increase in project scope. The NEXUS application will be released to staff on 8/1/2025 with the workforce and workload management portions of the application completed. Additional application functionality will be incorporated in future version updates through 9/30/2025.

2-2 Accident Tolerant Fuel (ATF)

On January 30, 2025, the NRC staff completed the acceptance review for Framatome Inc.'s topical report on increased burnup for pressurized-water reactors (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24331A085). On March 24, 2025, the NRC staff completed the acceptance review for Studsvik Scandpower's topical report on expansion of their Core Management System to higher enrichments (ML25028A254). The NRC staff is currently on track to complete the review of nine fuel vendor topical reports related to ATF by the end of FY 2026, which, if approved, could be referenced in ATF license amendment requests (LARs) for operating reactors. No LARs were submitted during this reporting period.

Subsequent to the end of the reporting period, on May 13, 2025, the NRC staff submitted to the Commission a draft proposed rule associated with the use of light-water reactor fuel containing uranium enriched to greater than 5 weight-percent uranium-235, titled, "Increased Enrichment of Conventional and Accident Tolerant Fuel Designs for Light-Water Reactors" (referred to as the Increased Enrichment rulemaking), and associated implementing guidance.

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

ATF Activities	Projected Completion Date	Completion Date
Provided a presentation to the ACRS Full Committee on the proposed rule for the Increased Enrichment rulemaking, as well as on draft Regulatory Guide 1.183, Revision 2, which serves as one of the implementing guidance documents for the Increased Enrichment rulemaking.	02/07/25	02/07/25
Conducted a technical session at the NRC Regulatory Information Conference to provide stakeholders with an opportunity to learn about the progress of ATF licensing activities and technologies to date and activities related to efficient licensing reviews of applications for ATF concepts. The NRC staff communicated with stakeholders about ATF readiness activities, planned stakeholder engagements, the NRC's projected licensing review timelines, and any potential challenges for meeting proposed ATF deployment timelines.	03/13/25	03/13/25
Provided the draft proposed rule for the Increased Enrichment rulemaking to the Commission.	03/14/25	05/13/25[13]

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q4 FY 2025)

Projected ATF Activities	Projected Completion Date
Hold a public workshop on "Alternative 4" for addressing fuel fragmentation, relocation, and dispersal in the draft proposed	06/30/25

[13] The draft proposed rule was provided to the Commission after the FY 2025 Q2 reporting period, on May 13, 2025.

rule for the Increased Enrichment rulemaking.	
Hold a public workshop to discuss status of the staff's assessment of updated accident source terms on environmental qualification of equipment and options being pursued to address the issue.	09/30/25
Hold the sixth annual Higher Burnup Workshop.	09/30/25

2-3 Digital Instrumentation and Control

Constellation Energy Generation, LLC (CEG) submitted LARs on September 26, 2022, requesting approval to install a digital instrumentation and control (I&C) system to replace the current system at Limerick Generating Stations, Units 1 and 2 (Limerick). The 24-month generic milestone schedule for completion of the Limerick review was December 9, 2024. On April 23, 2024, CEG submitted a letter to the NRC stating that it is delaying the digital modification initial installation at Limerick (ML24114A322). The licensee stated that "the delay is due to identification of additional new design considerations/issues that had to be addressed/resolved, and current final design and manufacturing schedules that do not meet the CEG internal 2025 Refueling Outage readiness requirements for installation." Because of the design considerations/issues, CEG changed its planned installation for Unit 1 to calendar year (CY) 2026, and Unit 2 installation to CY 2027. In September 2024, the NRC staff sent CEG a letter (ML24243A048) informing the licensee that the review of the Limerick digital I&C LARs will not be completed by December 9, 2024, because of CEG's delays in providing the equipment qualification information needed to complete the review and an emergent review challenge involving the component interface module, an important element of the proposed digital modification. After CEG submits the information needed to address equipment qualification and the emergent challenge with the component interface module, the NRC staff will provide CEG with an updated estimated review schedule. Because of the delays in receiving information needed to complete the review, the NRC staff did not issue a final safety evaluation for a license amendment request within 90 days (formerly 180 days) from the 24-month issuance date set in the NEIMA generic milestone schedule for LARs.

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

Digital Instrumentation and Control Activities	Projected Completion Date	Completion Date
None	N/A	N/A

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q4 FY 2025)

Projected Digital Instrumentation and Control Activities	Projected Completion Date
None	N/A

2-4 Advanced Nuclear Reactor Technologies

During this reporting period, the NRC staff held several public meetings on advanced reactors, including discussions of microreactor licensing and deployment considerations (ML25049A268),

emergency preparedness for advanced nuclear reactor designs (ML25044A448), and the Part 53 risk-informed, technology-inclusive regulatory framework proposed rule (ML25007A095). The NRC staff also holds periodic public stakeholder meetings to discuss non-LWR topics of interest. A list of those periodic meetings, including the most recent one held on February 13, 2025, can be found on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/get-involved/meetings.html).

The enactment of the ADVANCE Act resulted in the staff incorporating conforming changes to the fusion machine proposed rule package. On December 11, 2024, the staff submitted SECY-24-0085, "Proposed Rule: Regulatory Framework for Fusion Machines (3150-AL00; NRC-2023-0071)" (ML24019A064), to the Commission for its consideration. The proposed rule is pending with the Commission. On March 11, 2025, the NRC staff published "Vision and Strategy: Regulating Fusion Machines Across the National Materials Program" (ML25069A706), outlining the NRC's strategic focus areas for development and implementation of reliable licensing and oversight processes for fusion machines. On March 12, 2025, the NRC staff publicly released the updated draft consolidated guidance associated with the fusion machine proposed rule (Draft NUREG-1556, Vol. 22; ML24295A002) to provide the public with preparatory material for upcoming public meetings. If the Commission approves the publication of the proposed rule, the *Federal Register* notice of proposed rulemaking will provide an opportunity for the public to submit formal comments on the proposed rule and draft guidance.

The NRC staff is also conducting a study mandated by Section 205 of the ADVANCE Act to evaluate potential regulatory frameworks for licensing mass-manufactured fusion machines. The NRC established a project team that is actively reviewing design certification processes that may be used as potential models for mass fusion machine production. Consistent with Section 205 of the ADVANCE Act, this study is being conducted in consultation with the Agreement States, fusion industry, public, and other Federal agencies, including the Federal Aviation Administration. The NRC staff held a public meeting on March 5, 2025, and a Government-to-Government meeting on March 26, 2025, to gather feedback from external stakeholders on this effort. Per the ADVANCE Act, a report to Congress on the results of this study by July 9, 2025.

In addition, the NRC staff is currently focusing on developing strategies to streamline the licensing timelines for nth-of-a-kind microreactor deployment, some of which were identified as future actions in the enclosure to SECY-24-0008, "Micro-Reactor Licensing and Deployment Considerations: Fuel Loading and Operational Testing at a Factory" (ML23207A252). During this reporting period, the NRC staff issued the Integrated Microreactor Activities Plan (ML25036A199). This plan provides a comprehensive view of ongoing microreactor activities and is being used to support communication and engagement. This plan also incorporates the concepts discussed in the draft white paper, "Nth-of-a-Kind Micro-Reactor Licensing and Deployment Considerations" (ML24270A206), and topics from Section 208 of the ADVANCE Act, which requires the NRC to develop and implement risk-informed and performance-based strategies and guidance to license and regulate microreactors. The NRC staff held a public workshop to discuss the Integrated Activities Plan on February 20, 2025.

On October 31, 2024, the NRC published the "Proposed Rule: Risk-Informed, Technology-Inclusive Regulatory Framework for Advanced Reactors" in the *Federal Register* with a 60-day public comment period (89 FR 86918). The NRC held a multi-day public meeting on the Part 53 proposed rule in November 2024, and extended the public comment period for an additional 60 days (89 FR 92609; November 22, 2024). On January 8, 2025, the staff held a second public meeting on the Part 53 proposed rule. The public comment period closed on February 28, 2025, and the agency received just under 900 unique comments on the proposed rule. The staff is reviewing the comments received and assessing the extent of changes to the rule that may be needed. After the NRC staff considers and addresses public comments, the draft final rule package, including key guidance, will be submitted to the Commission for consideration. The NRC's rulemaking is on target to be completed in advance of

NEIMA's required deadline of December 31, 2027. Further details about the rulemaking schedule can be found on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/modernizing/rulemaking/part-53.html).

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

Advanced Nuclear Reactor Technologies Activities	Projected Completion Date	Completion Date
Publish a new webpage to provide guidance for prospective advanced reactor applicants. (https://www.nrc.gov/reactors/new-reactors/advanced/new-app.html)	N/A	02/03/25
Issue the Integrated Microreactor Activities Plan, which is a comprehensive overview of microreactor licensing and deployment activities, including topics specified by the ADVANCE Act (ML25036A199).	N/A	02/05/25
Publish a new microreactor webpage. (https://www.nrc.gov/reactors/new-reactors/advanced/modernizing/microreactors.html)	N/A	02/24/25
Conduct a public workshop on the SCALE/MELCOR non-light-water-reactor source term and fuel cycle demonstration project for a TRISO-compact-fueled microreactor (ML25038A073).	03/26/25	03/26/25

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q4 FY 2025)

Projected Advanced Nuclear Reactor Technologies Activities	Projected Completion Date
Submit a SECY paper to the Commission with the status of advanced reactor activities.	04/30/25[14]
Submit a SECY paper on "Microreactor Licensing and Deployment Considerations for Nth-of-a-Kind Licensing" to the Commission.	05/30/25[15]
Issue "Draft Regulatory Guide Technology Inclusive, Risk Informed, and Performance Based Methodology for Seismic Design of Commercial Nuclear Plants" and "Draft Regulatory Guide Seismically Isolated Nuclear Power Plants" to support ACRS interaction.	05/30/25
Submit a SECY paper on "Update on Development of the U.S. Nuclear Regulatory Commission's Advanced Reactor Construction Oversight Program" to the Commission.	06/30/25[16]

[14] The projected completion date for this activity was extended from February 28, 2025, to April 30, 2025, to support internal review and approval.
[15] The projected completion date for this activity was extended from March 31, 2025, to May 30, 2025, to support internal review and approval.
[16] The projected completion date for this activity was extended from March 31, 2025, to May 30, 2025, to support internal review and approval.

Issue a report to Congress summarizing the NRC's study on licensing frameworks for mass-manufactured fusion machines, as required by Section 205 of the ADVANCE Act.	07/09/25
Issue "Draft Regulatory Guide on Technology-Inclusive Risk-Informed Change Evaluation Process" for public comment.	08/29/25[17]
N/A	N/A[18]

2-5 Advanced Reactor Pre-Application and Licensing Reviews

Information on the reactor designers that formally notified the NRC of their intent to engage in pre-application regulatory interactions can be found on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/pre-application-activities.html).

TerraPower Natrium Reactor Plant Construction Permit Application Review

On March 28, 2024, TerraPower, LLC (TerraPower), on behalf of US SFR Owner, LLC, submitted a construction permit application for Kemmerer Power Station Unit 1 (Kemmerer Unit 1) (ML24088A059). The NRC staff accepted the TerraPower application for review on May 21, 2024 (ML24135A109). The NRC staff held a public scoping meeting for the environmental review in Kemmerer, WY on July 16, 2024. On November 22, 2024, the NRC staff issued the Environmental Scoping Summary Report (ML24271A031). On February 26, 2025, the NRC staff issued a letter (ML25055A019) informing US SFR Owner, LLC, of the completion of the draft safety evaluation (SE) with open items. The letter also stated that the NRC staff is targeting completion of the final SE by June 2026, two months ahead of the August 2026 date originally projected and communicated to TerraPower (ML24162A063). Application documents and information regarding the review are available on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/applicant- projects/terrapower.html).

Long Mott Generating Station Construction Permit Application Acceptance Review

On March 31, 2025, Long Mott Energy, LLC submitted a construction permit application for Long Mott Generating Station (LMGS) (ML25090A057). LMGS would be sited at the Dow Seadrift Site in Calhoun County, Texas, and would consist of a four-unit, X-energy Xe-100 nuclear power facility. The application was accepted on May 12, 2025 (ML25115A247). Application documents and information regarding the review are available on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/applicant-projects/long-mott.html).

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

Advanced Reactor Licensing Review Activities	Projected Completion Date	Completion Date

[17] The projected completion date for this activity was extended from March 31, 2025, to August 29, 2025, to support internal review and approval. Note that a pre-decisional draft regulatory guide was made publicly available on December 19, 2024, to support public interactions.

[18] The previous report included the following in the projected activity table: "Submit a SECY paper on "Alternative Risk-Informed Technology-Inclusive Approaches to Advanced Reactor Regulation" to the Commission." The projected completion date for this SECY paper was extended from May 1, 2025, to May 1, 2026, and therefore is not included in the projected activities for the next two quarters.

Complete draft SE with information gaps identified for TerraPower Kemmerer Unit 1 (ML25055A019).	03/31/25	02/26/25

Advanced Reactor Pre-application Review Activities	Projected Completion Date	Completion Date
Issue final SE to X-energy for its topical report on quality assurance program description (ML24218A128).	02/28/25	02/11/25
Issue final SE to TerraPower for its topical report on Plume Exposure Pathway Emergency Planning Zone Methodology (ML25076A653).	02/14/25	03/28/25[19]
Issue final SE to University of Illinois at Urbana-Champaign for its topical report on fuel qualification methodology (ML25077A165).	03/18/25[20]	04/01/25

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q4 FY 2025) -

Projected Advanced Reactor Licensing Review Activities	Projected Completion Date
Complete acceptance review of Long Mott Generating Station Construction Permit application.	05/30/25[21]
Issue draft environmental impact statement for TerraPower Kemmerer Unit 1.	06/30/25

Projected Advanced Reactor Pre-Application Review Activities	Projected Completion Date
Issue final SE to TerraPower for its topical report on human factors program plan methodology.	04/30/25[22]
Issue final SE to X-energy for its topical report on principal design criteria for the XENITH design.	04/29/25
Complete Terrestrial Principal Design Criteria Topical Report Safety Evaluation.	06/01/25
Issue final SE to TerraPower for its topical report on digital I&C methodology.	06/13/25
Issue final SE to X-energy for its topical report on training programs methodology.	06/15/25
Issue final SE to TerraPower for its topical report on radiological release	06/27/25

[19] The completion date for this activity was extended from February 14, 2025, to provide time to incorporate and respond to feedback provided by the ACRS on November 26, 2024 (ML24324A305).
[20] The date of March 18, 2025, was provided to the University of Illinois at Urbana-Champaign for the issuance of the draft SE for this topical report (ML24093A219). However, in the previous status report for October 1 to December 31, 2024, this date was erroneously reported as the date for the final SE. The draft SE was issued on March 17, 2025 (ML25076A606), and the final SE was issued on April 1, 2025 (ML25077A165).
[21] The application was accepted on May 12, 2025 (ML25115A247).
[22] The completion date for this activity was extended from April 11, 2025, to support internal review and approval.

methodology.	
Issue final SE to TerraPower for its topical report on reactor stability methodology.	06/27/25
Issue final SE to TerraPower for its topical report on radiological source term methodology.	06/27/25
Issue final SE to X-energy for its topical report on nuclear design methodology for the XENITH design.	06/30/25
Issue final SE to TerraPower for its topical report on design basis accident without radiological release methodology.	07/11/25
Issue final SE to Kairos for its topical report on core design methodology.	09/30/25

2-6 Reactor Oversight Process

The NRC staff is conducting an assessment of the Reactor Oversight Process (ROP) to address the requirements in Section 507 of the ADVANCE Act, which requires the NRC to develop and submit to the appropriate committees of Congress a report that identifies specific improvements to the nuclear reactor and materials oversight and inspection programs that the NRC may implement to maximize the efficiency of such programs through, where appropriate, the use of risk-informed, performance-based procedures, expanded incorporation of information technologies, and staff training. During the reporting period, the staff discussed the status of its review and sought feedback on its proposed resolutions to recommendations from internal and external stakeholders, including representatives from the nuclear energy industry, members of the public, and nongovernmental organizations.

- On January 15, 2025, the NRC staff held a public meeting to discuss staff proposals for meeting Section 507 requirements (ML25034A096).
- On January 29, 2025, the staff discussed planned initiatives for physical security and cybersecurity oversight and inspection at the ROP bimonthly public meeting (ML25044A137).
- On February 19, 2025, the staff held a public meeting to discuss the agency's approach to addressing stakeholder recommendations regarding digital instrumentation and controls (ML25066A092).
- On March 26, 2025, the staff discussed upcoming changes to the Very Low Safety Significance Issue Resolution (VLSSIR) process and initial development of strategies and guidance for oversight for advanced reactors in the operating phase at the ROP bimonthly public meeting (ML25087A007).

The staff is also considering developing parallel initiatives for oversight of emergency preparedness under the ROP, as many of these EP initiatives are currently being addressed as part of the ROP enhancement process. The staff will seek Commission approval of changes to the ROP or provide the Commission with notification of changes, as appropriate, in accordance with Management Directive 8.13, "Reactor Oversight Process" (ML17347B670).

On January 1, 2025, the staff implemented the new emergency response facility and equipment readiness performance indicator (ERFER-PI). This performance indicator measures the ability of licensee's emergency preparedness staff to maintain the operability of selected emergency response facilities.

The NRC staff is revising Inspection Manual Chapter (IMC) 0609, Appendix E, Part I, "Baseline Security Significance Determination Process for Power Reactors" (ML22178A222), to further risk inform the process and improve its clarity and consistency. The NRC staff held a public meeting on

February 20, 2025 (ML25073A099), to discuss recommendations from industry stakeholders for consideration alongside the staff's review and revision. The revised inspection manual documents will be provided to the Commission for review and approval in October 2025.

In May 2024, the Commission approved the NRC staff's proposed revision to the Force-on-Force (FOF) inspection program in SRM-COMSECY-19-0006, "Revised Security Inspection Program Framework (Option 3) in Response to SRM-17-0100" (ML24138A045). The revised framework will include a reduction from two NRC-conducted FOF exercises to one and an enhanced NRC inspection of a licensee-conducted annual FOF exercise, among other changes. The staff held a public meeting on March 3, 2025 (ML25073A022) to discuss details of proposed revisions to relevant inspection manual documents. The staff will continue to engage external stakeholders to solicit feedback on anticipated plans and challenges for implementation of the revised inspection process and guidance documents and to assess resultant training needs. Implementation is scheduled to begin at the start of the eighth triennial FOF inspection cycle in CY 2026.

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

ROP Activities	Projected Completion Date	Completion Date
Complete annual ROP performance metric report (ML25064A585).	03/31/25	03/14/25

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q3 FY 2025)

Projected ROP Activities	Projected Completion Date
Submit a SECY paper to the Commission on proposed revisions to the ROP based on the ROP assessment conducted as part of implementation of Section 507 of the ADVANCE Act.	04/30/25
Issue a revision to IMC 0612 for the revised guidance on the VLSSIR process.	05/31/25
Issue revisions to IMC 0308 and 2515 for the revised guidance on minimum and nominal sample criteria.	05/31/25

2-7 Backfit

In September 2024, in its affirmation of the final rule for non-power production or utilization facility license renewal, the Commission returned NUREG-1409, "Backfitting Guidelines," Revision 1 to the staff and directed the staff to clarify the applicability of 10 CFR 50.109 to commercial non-power production or utilization facilities through an interpretive rule process.[23] The NRC staff continues to address the Commission's direction.

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

[23] SRM-M240904, "Affirmation Session – SECY-19-0062: Final Rule: Non-power Production or Utilization Facility License Renewal (RIN 3150-AI96, NRC-2011-0087)" (ML24248A208).

Backfit Activities	Projected Completion Date	Completion Date
None	N/A	N/A

Projected Activities for the Next Two Reporting Periods (Q3 FY 2025 and Q4 FY 2025)

Projected Backfit Activities[24]	Projected Completion Date
Publication of notice of interpretation to clarify the applicability of the NRC's backfitting regulations to commercial non-power production or utilization facilities.	08/29/25

2-8 Risk-Informed Activities

The NRC staff continues to review Electric Power Research Institute (EPRI) Report 3002025288, "Enhanced Risk-Informed Categorization Methodology for Pressure Boundary Components," which was submitted on August 17, 2023 (ML23234A267), and supplemented on November 30, 2023 (ML23334A212), and June 28, 2024 (ML24180A017). This topical report uses risk insights to present an enhanced methodology for categorizing pressure boundary components in support of 10 CFR 50.69 applications. The NRC staff accepted the EPRI topical report for a detailed technical review in August 2024. In December 2024, the staff completed an audit, which significantly reduced the number and scope of the staff's requests for additional information (RAIs) issued to EPRI in January 2025. On March 6, 2025, the staff held a public meeting that provided EPRI actionable feedback on success paths for the most challenging RAIs. Following the public meeting, during a management call on March 19, 2025, the NRC staff and EPRI discussed the status of EPRI's revision of the draft RAI responses, plans for a follow-on public meeting in April 2025, and the remaining deliverables/schedule for the topical report review. The staff is on track to meet its goal to complete its review of this topical report within 18 months, which would be 6 months earlier than the 24-month generic milestone schedule for topical reports.

On March 26, 2025, the NRC staff conducted an internal workshop on the risk-informed and performance-based fire protection program, known as NFPA-805. This is one of many seminars that are being offered to staff, focused on positive change management initiatives, with the goal of enhancing the staff's use of risk-informed decision-making (RIDM) in the agency's work. Through these ongoing knowledge management and knowledge transfer efforts, the NRC continues to increase organizational effectiveness and contribute to the organization's safety mission and overall efficiency.

The NRC staff is leveraging risk insights in its detailed technical review of the NuScale standard design approval application for the NuScale VOYGR 460 standard design. This use of risk insights in the NuScale VOYGR 460 review is aligned with the implementation of the lessons learned from the NuScale design certification application review (ML22294A144). On February 18, 2025, the staff presented its findings on Chapter 19, "Probabilistic Risk Assessment and Severe Accident Evaluation," of the NuScale VOYGR 460 Final Safety Analysis Report to the Advisory Committee on Reactor Safeguards.[25]

[24] The previous report included the following in the projected activity table: "Publication of the 'Regulatory Improvements for Production and Utilization Facilities Transitioning to Decommissioning' final rule." The final rule is with the Commission for its consideration; therefore, it has been removed from the projected activity table.

[25] The NRC maintains a listing of risk-informed activities that is updated periodically at https://www.nrc.gov/about-nrc/regulatory/risk-informed/rpp.html.

Activities Planned and Completed for this Reporting Period (Q2 FY 2025)

Risk-Informed Activities	Projected Completion Date	Completion Date
Held a hybrid knowledge management public workshop on the 10 CFR 50.69 program with NEI and the Joint Owners' Groups. Approximately 300 individuals representing a diverse set of NRC staff, NRC regional inspectors, prospective applicants, industry groups, and other stakeholders attended the workshop. The NRC staff discussed the guidelines for categorizing structures, systems, and components (SSCs) in nuclear power plants according to their safety significance. Industry representatives provided positive feedback on the benefits of adopting the 10 CFR 50.69 program and shared experiences and lessons learned from the initial development of the 10 CFR 50.69 license amendment request through the NRC's program oversight implementation. This workshop facilitated the expansion and integration of risk information into the agency's decision-making practices and processes to increase efficiency and improve effectiveness, while ensuring that NRC's safety mission is met.	02/28/25	03/05/25[26]
Conducted a technical session at the NRC's Regulatory Information Conference, "Elevating NRC Safety and Efficiency through Risk-Informed Decision-Making." The NRC staff presented the advances made in applying risk insights to reactor licensing, oversight, and emergency planning, demonstrating how these efforts have led to greater efficiency and effectiveness in the NRC's regulatory processes while ensuring that the agency's safety mission is met. Representatives from the nuclear industry discussed the ongoing advancements and challenges as they continue to push for a future where risk-informed practices guide the next generation of reactors and operations.	03/12/25	03/12/25

Projected Activities for the Next Reporting Period (Q3 FY 2025 and Q4 FY 2025)

Projected Risk-Informed Activities	Projected Completion Date
Hold a joint NRC/industry public workshop to identify best practices and gather feedback on the NRC's Risk-Informed Process for Evaluations (RIPE). The goal for the workshop is to identify and address the challenges that exist in using RIPE and to discuss opportunities to expand the use of this streamlined NRC review process for low safety significant issues.	08/30/25
Continue to offer internal workshops to the NRC staff to highlight recent accomplishments in leveraging RIDM.	09/30/25[27]

[26] The workshop was postponed from February 11, 2025, to March 5, 2025, due to inclement weather.
[27] The projected completion date for this activity was extended from June 30 to September 30, 2025, to support the staff's

licensing efficiencies efforts consistent with the mandates in Section 505 of the ADVANCE Act. This will allow additional opportunities to provide workshops to the NRC staff to provide for knowledge management and knowledge transfer to encourage the enhanced use of risk-informed decision-making in the staff's licensing activities.

Enclosure 3 – Summary of Activities

3-1 Reactor Oversight Process (ROP) Findings

The table below provides the CY ROP findings for the year-to-date and 3-year rolling metrics.[28]

Location	Number of Findings	CY 2022	CY 2023	CY 2024	CY 2025
Nationally	**Total**	399	466	489	67
Region I	Green	83	88	96	19
	White	2	1	1	2
	Yellow	0	0	0	0
	Red	0	0	0	0
	Greater-Than-Green (GTG) Security		0	1	
	Total	**85**	**89**	**98**	**21**
	No. of Units Operating During CY	20[29]	20	20	20
Region II	Green	90	135	130	15
	White	1	3	3	0
	Yellow	0	0	0	0
	Red	0	0	0	0
	GTG Security	0	5	0	0
	Total	**91**	**143**	**133**	**15**
	No. of Units Operating During CY	33	33	34[30]	35[31]
Region III	Green	89	103	105	12
	White	2	0	0	0
	Yellow	0	0	0	0
	Red	0	0	0	0
	GTG Security	1	0	0	0
	Total	**92**	**103**	**105**	**12**
	No. of Units Operating During CY	22	22	21[32]	21
Region IV	Green	130	126	149	18
	White	1	5	0	1
	Yellow	0	0	0	0
	Red	0	0	0	0
	GTG Security	0	0	0	0
	Total	**131**	**131**	**149**	**19**
	No. of Units Operating During CY	18	18	18	18

[28] For the purposes of this report, the total number of findings per CY is based on the year in which an inspection report was issued instead of the year in which a finding was identified.
[29] The reduction of one unit for CY 2022 reflects the permanent shutdown of Indian Point Nuclear Generating Unit 3 on April 30, 2021.
[30] The increase of one unit for CY 2023 reflects Vogtle Unit 3 entering the ROP on August 3, 2022.
[31] The increase of one unit for CY 2024 reflects Vogtle Unit 4 entering the ROP on July 28, 2023.
[32] The reduction of one unit for CY 2023 reflects the permanent shutdown of Palisades on May 20, 2022.

3-2 Licensing Actions

The tables below provide the status of licensing actions organized by licensing program. Consistent with Section 102(c) of NEIMA, the licensing actions referenced in this section include "requested activities of the Commission" for which the NRC staff issues a final SE. These totals do not include LARs, as they are addressed separately in Section 3-3 of this report (e.g., licensing actions here comprise exemptions, relief requests, license transfers, or plant-specific topical reviews). "Total Inventory" refers to the total number of licensing actions that are open and accepted by the NRC at the end of the quarter. "Licensing Actions Initiated During the Reporting Period" are the number of licensing actions (regardless of acceptance) that are received by the NRC during the reporting period.

Operating Reactors

Reporting Period	Total Inventory	Licensing Actions Initiated During the Reporting Period	Licensing Actions Completed During the Reporting Period[33]	Percentage of Licensing Actions Completed Prior to the Generic Milestone Schedule	Percentage of Licensing Actions Completed Prior to the Established Schedule[34]
Q2 FY 2024	149	54	111	100%	99%
Q3 FY 2024	168	64	45	100%	46.7%[35]
Q4 FY 2024	158	63	73	100%	76.7%
Q1 FY 2025	132	41	67	100%	80.6%
Q2 FY 2025	157	72	47	100%	90.0%

[33] Requested activities included in the initiated actions total but subsequently withdrawn are not included in the completed actions total because no final SE was issued.
[34] The "established schedule" is the schedule communicated to the licensee and made publicly available at the completion of the acceptance review.
[35] The decrease for Q3 FY 2024 is primarily due to five enhanced weapons exemptions completed in April 2024 that involved 12 licensing actions and two fleet requests for alternatives to implement a risk-informed categorization and treatment for repair or replacement activities that involved 10 licensing actions.

New Reactors

Reporting Period	Total Inventory	Licensing Actions Initiated During the Reporting Period	Licensing Actions Completed During the Reporting Period[36]	Percentage of Licensing Actions Completed Prior to the Generic Milestone Schedule	Percentage of Licensing Actions Completed Prior to the Established Schedule
Q2 FY 2024	1	0	0	N/A	N/A
Q3 FY 2024	2	1	0	N/A	N/A
Q4 FY 2024	2	0	0	N/A	N/A
Q1 FY 2025	2	0	0	N/A	N/A
Q2 FY 2025	2	0	0	N/A	N/A

Fuel Facilities

Reporting Period	Total Inventory	Licensing Actions Initiated During the Reporting Period	Licensing Actions Completed During the Reporting Period	Percentage of Licensing Actions Completed Prior to the Generic Milestone Schedule	Percentage of Licensing Actions Completed Prior to the Established Schedule
Q2 FY 2024	10	7	4	100%	100%
Q3 FY 2024	6	0	4	100%	25%[37]
Q4 FY 2024	5	9	10	100%	37%[38]
Q1 FY 2025	6	2	1	100%	100%
Q2 FY 2025	4	2	4	100%	100%

[36] Requested activities included in the initiated actions total but subsequently withdrawn are not included in the completed actions total because no final SE was issued.

[37] Two of the three fuel cycle licensing actions exceeded the established schedule due to the need to complete environmental assessments and publish *Federal Register* notices that were not anticipated. The extension was communicated and agreed to by the licensee. The third late fuel cycle licensing action exceeded the established schedule due to an extension requested by the applicant and granted by the NRC to complete requests for additional information.

[38] Three of the late fuel cycle licensing actions were completed 62, 71, and 78 days after the established schedule due to the need to complete environmental assessments and publish *Federal Register* notices for the first two items and additional time needed to resolve requests for additional information for the third item. The remaining five late actions were completed within 2 weeks of the established schedule and ran long due to the high volume of work and managing work priorities.

3-3 License Amendment Request (LAR) Reviews

The tables below provide the status of LARs organized by licensing program. Consistent with Section 102(c) of NEIMA, the LARs referenced in this section include "requested activities of the Commission" for which the NRC staff issues a final SE. The total inventory is the number of open LARs at the end of the quarter. LARs are included in the total inventory after they have been accepted by the NRC (the acceptance review period is generally 30 days after the application is submitted).

Operating Reactors

Reporting Period	Total Inventory	LARs Submitted During the Reporting Period	LAR Reviews Completed During the Reporting Period[39]	Percentage of LAR Reviews Completed Prior to the Generic Milestone Schedule	Percentage of LAR Reviews Completed Prior to the Established Schedule[40]
Q2 FY 2024	168	36	54	99%	85%
Q3 FY 2024	213	103	58	100%	75.9%
Q4 FY 2024	193	48	68	100%	80.9%
Q1 FY 2025	201	77	68	100%	85.3%
Q2 FY 2025	239	99	61	100%	82%

New Reactors

Reporting Period	Total Inventory	LARs Submitted During the Reporting Period	LAR Reviews Completed During the Reporting Period	Percentage of LAR Reviews Completed Prior to the Generic Milestone Schedule	Percentage of LAR Reviews Completed Prior to the Established Schedule
Q2 FY 2024	0	0	1	100%	100%
Q3 FY 2024	0	0	0	N/A	N/A
Q4 FY 2024	0	0	0	N/A	N/A
Q1 FY 2025	0	0	0	N/A	N/A
Q2 FY 2025	0	0	0	N/A	N/A

[39] Requested activities included in the submitted LARs total but subsequently withdrawn are not included in the completed LARs total because no final SE was issued.

[40] The "established schedule" is the schedule communicated to the licensee and made publicly available at the completion of the acceptance review.

Fuel Facilities

Reporting Period	Total Inventory	LARs Submitted During the Reporting Period	LAR Reviews Completed During the Reporting Period	Percentage of LAR Reviews Completed Prior to the Generic Milestone Schedule	Percentage of LAR Reviews Completed Prior to the Established Schedule
Q2 FY 2024	11	4	2	100%	50%[41]
Q3 FY 2024	6	1	6	100%	100%
Q4 FY 2024	9	3	0	100%	100%
Q1 FY 2025	9	3	3	100%	66.7%[42]
Q2 FY 2025	10	4	3	100%	50%[43]

3-4 Research Activities[44]

Summary of New Research Projects

During the reporting period, the Office of Nuclear Regulatory Research (RES) initiated research on or substantially revised the following projects:

Research Assistance Request for Improve User Consistency in Applying the IDHEAS-ECA Method (NRR-2025-014)	
Importance to the NRC Mission	Improve the efficiency and consistency of Probabilistic Risk Assessment (PRA) and Human Reliability Analysis (HRA) when applying the Integrated Human Event Analysis System for Event and Condition Assessment (IDHEAS-ECA) method. The results will be used to improve risk-informed regulatory activities in oversight and licensing activities.
Planned Activities	Task 1 - Develop an IDHEAS-ECA Desktop Guide and Data Basis to guide analysts in using the HRA method. Task 2 - Establish a repository of IDHEAS-ECA analyses and enlarge the repository with new Accident Sequence Precursor and Significance Determination Process analyses involving human actions so that they can be used as references for future analyses.
Duration of the Project	FY2025 – FY2026
Estimate of Total	2 FTE and $0K estimated over a period of 2 years

[41] One out of two LARs exceeded the established schedule by 12 days due to limited staff availability. This extension was communicated and agreed to by the licensee.
[42] One of the LARs exceeded the established schedule by 33 days due to additional time needed to resolve requests for additional information. This extension was communicated and agreed to by the licensee.
[43] Two of the LARs exceeded the established schedule by approximately 2 months due to higher priority licensing actions and an issue identified late in the review. This extension was communicated and agreed to by the licensee.
[44] This section provides information about projects that were started or completed during the reporting period that exceeded 2 FTE or $650K of program support for the total duration of the project. For new research starts, a final reporting of research findings and results will be provided as part of the research project closure within the quarterly reports.

Research Resources	

Research Assistance Request for Complete Guidance Development for Quantifying Human Error Probabilities in IDHEAS-ECA (NRR-2025-015)	
Importance to the NRC Mission	Develop state-of-the art HRA guidance used to perform HRA as part of the Significance Determination Process, notice of enforcement discretion process, event evaluation process, and risk-informed licensing process. This research focuses on completing the guidance development for consistently quantifying human error probabilities (HEPs) using the IDHEAS-ECA method.
Planned Activities	Task 1: Develop guidance on quantifying human error recovery. Task 2: Document the methodology of collecting, generalizing, and integrating human error data for HRA. Task 3: Update the Guidance for Evaluating Human Action Dependency (IDHEAS-DEP). Task 4: Develop a knowledge base for performing HRA in Digital Instrumentation and Controls work environments.
Duration of the Project	FY 2025 – FY 2027
Estimate of Total Research Resources	2 FTE and $0K estimated over a period of two and a half years

Research Assistance Request for Maintain Human Reliability Analysis Tools and Data Bases (NRR-2025-016)	
Importance to the NRC Mission	Maintains HRA guidance and tools used for risk-informed regulatory activities in oversight and licensing.
Planned Activities	Task 1: Develop IDHEAS-ECA guidance on quantifying the uncertainty of the time-required for operator actions. Task 2: Develop and maintain the IDHEAS-ECA Software Tool for NRC analyst use. Task 3: Expand the collection of data for the NRC's HRA database (SACADA) so that it can be used to improve HRA methods. Task 4: Maintain membership in the EPRI Users Group so that the NRC maintains access to industry HRA methods and tools.
Duration of the Project	FY2025 – FY2027
Estimate of Total Research Resources	2 FTE and $230K estimated over a period of 2.5 years

Summary of Completed Research Projects[45]

No research projects were completed during the reporting period.

3-5 Fees Billed

The tables below provide information on 10 CFR Part 170 fees billed for each fee class. For each fee class, the NRC staff compared the fees billed to the receipts estimated in the annual fee rule.[46]

Fee Class	FY 2025 Part 170 Receipts Estimated – Proposed Fee Rule ($M)	Part 170 Billed in Q2 FY 2025 ($M)	Total Part 170 – Billed in FY 2025 ($M)
Fuel Facilities	$10.1	$2.5	$4.6
Generic Decommissioning	$2.0	$0.5	$0.8[47]
Materials Users[48]	$0.8	$0.4	$0.9[49]
Operating Power Reactors	$185.7	$47.6	$91.4
Non-Power Production or Utilization Facilities	$0.7	$0.1	$0.4[50]
Spent Fuel Storage/Reactor Decommissioning	$11.4	$3.4	$5.8
Rare Earth	$0.8	$0.0	$0.0
Transportation	$3.1	$1.0	$2.0
Uranium Recovery	$1.4	$0.5	$0.7

Significant Ongoing Licensing Actions

The following table includes a comparison of the fees billed to projected resources for subsequent license renewal application reviews and the Kemmerer Power Station construction permit application review.

[45] The research project resources are estimates of staff hours and program support costs based on inspection of project records, including staffing plans and contract spending plans for the duration of the project.
[46] The FY 2025 Proposed Fee Rule estimated collections are being used until the FY 2025 Final Fee Rule is published. The FY 2025 Proposed Fee Rule was published in the *Federal Register* on February 19, 2025 (90 FR 9848).
[47] Total Part 170 – Billed in FY 2025 ($M) for Generic Decommissioning may not add due to rounding: $0.364M reported in Q1 plus $0.479M in Q2 totals $0.843M.
[48] Materials Users – Billed as flat fee applications and included in the estimates and billed.
[49] Total Part 170 – Billed in FY 2025 ($M) for Materials Users reflects an update. Specifically, Q1 is reported as $0.485M instead of $0.331M in the previous report. Additionally, Total Part 170 – Billed in FY 2025 ($M) for Materials Users $0.485M in Q1 plus $0.411M in Q2 totals $0.896M.
[50] Total Part 170 – Billed in FY 2025 ($M) for Non-Power Production or Utilization Facilities may not add due to rounding: $0.385M reported in Q1 plus $0.058M in Q2 totals $0.443M.

Docket	Project Name	Projected Resources ($M)[51]	Fees Billed to Date ($M)[52]
Point Beach Units 1 and 2 05000266/05000301	Point Beach Units 1 and 2 Subsequent License Renewal Application — Safety Review	$5.0[53]	$3.5
Point Beach Units 1 and 2 05000266/05000301	Point Beach Units 1 and 2 Subsequent License Renewal Application — Environmental Review	$1.4	$1.6
North Anna Units 1 and 2 05000338/05000339	North Anna Units 1 and 2 Subsequent License Renewal Application — Safety Review	$5.0[54]	$3.1
North Anna Units 1 and 2 05000338/05000339	North Anna Units 1 and 2 Subsequent License Renewal Application — Environmental Review	$1.4	$2.5
Oconee Units 1, 2, and 3 05000269/05000270/05000287	Oconee Units 1, 2, and 3 Subsequent License Renewal Application — Safety Review	$5.0[55]	$3.9
Oconee Units 1, 2, and 3 05000269/05000270/05000287	Oconee Units 1, 2, and 3 Subsequent License Renewal Application — Environmental Review	$1.4	$1.8
St. Lucie Units 1 and 2 05000335/05000389	St. Lucie Units 1 and 2 Subsequent License Renewal Application — Safety Review	$5.0[56]	$4.2
St. Lucie Units 1 and 2 05000335/05000389	St. Lucie Units 1 and 2 Subsequent License Renewal Application — Environmental Review	$1.4	$0.4
Kemmerer Unit 1 05000613	Kemmerer Unit 1 Construction Permit Application – Safety and Environmental Reviews	$13.0[57]	$3.1

[51] Projected resources are calculated based on the FTE estimates provided to applicants in the acceptance letters. Dollar amounts are obtained by multiplying the hours estimate by the professional hourly rate.
[52] The NRC bills its licensees/applicants in the first month of the quarter following the timeframe in which the work was performed. For example, NRC work performed in January, February, and March would be invoiced to the licensee/applicant in April. Therefore, the total billed amounts listed in Table 3-5 reflect costs for NRC work performed through December 2024.
[53] When the formal acceptance letter for the Point Beach subsequent license renewal application was sent to the licensee on January 15, 2021 (ML21006A417), the NRC estimated that it would take approximately $6.4M to complete the application review.
[54] When the formal acceptance letter for the North Anna subsequent license renewal application was sent to the licensee on October 13, 2020 (ML20258A284), the NRC estimated that it would take approximately $6.4M to complete the application review.
[55] When the formal acceptance letter for the Oconee subsequent license renewal application was sent to the licensee on July 22, 2021 (ML21194A245), the NRC estimated that it would take approximately $6.4M to complete the application review.
[56] When the formal acceptance letter for the St. Lucie subsequent license renewal application was sent to the licensee on September 24, 2021 (ML21246A091), the NRC estimated that it would take approximately $6.4M to complete the application review.
[57] A revised projected resource estimate was provided to TerraPower, LLC by letter dated November 25, 2024 (ML24304A977).

Docket	Project Name	Projected Resources ($M)	Fees Billed to Date ($M)
Monticello Unit 1 05000263	Monticello Unit 1 Subsequent License Renewal Application — Safety Review	$5.1[58]	$2.4
Monticello Unit 1 05000263	Monticello Unit 1 Subsequent License Renewal Application —Environmental Review	$2.1	$1.9
V.C. Summer Unit 1 05000395	V.C. Summer Unit 1 Subsequent License Renewal Application — Safety Review	$5.0[59]	$2.3
V.C. Summer Unit 1 05000395	V.C. Summer Unit 1 Subsequent License Renewal Application — Environmental Review	$1.4	$0.9
Browns Ferry Units 1, 2, and 3 05000259/05000260/05000296	Browns Ferry Units 1, 2, and 3 Subsequent License Renewal Application — Safety Review	$3.5[60]	$2.5
Browns Ferry Units 1, 2, and 3 05000259/05000260/05000296	Browns Ferry Units 1, 2, and 3 Subsequent License Renewal Application — Environmental Review	$1.9	$0.7
Dresden, Units 2 and 3 05000237/05000249	Dresden, Units 2 and 3 Subsequent License Renewal Application — Safety Review	$2.4[61]	$0.9
Dresden, Units 2 and 3 05000237/05000249	Dresden, Units 2 and 3 Subsequent License Renewal Application — Environmental Review	$1.8	$0.6

3-6 Requests for Additional Information (RAIs)

The table below provides information on RAIs associated with licensing actions that are considered "requested activities of the Commission" for which the NRC staff issues a final SE, consistent with Section 102(c) of NEIMA. While Section 102(c) of NEIMA applies to licensing actions accepted after July 13, 2019, the RAI data also include licensing actions accepted prior to July 13, 2019, to provide a complete inventory.

[58] When the formal acceptance letter for the Monticello subsequent license renewal application was sent to the licensee on February 23, 2023 (ML23047A175), the NRC estimated that it would take approximately $7.2M to complete the application review.

[59] When the formal acceptance letter for the V.C. Summer subsequent license renewal application was sent to the licensee on October 11, 2023 (ML23275A014), the NRC estimated that it would take approximately $6.4M to complete the application review.

[60] When the formal acceptance letter for the Browns Ferry subsequent license renewal application was sent to the licensee on March 15, 2024 (ML24068A177), the NRC estimated that it would take approximately $5.4M to complete the application review.

[61] When the formal acceptance letter for the Dresden subsequent license renewal application was sent to the licensee on August 2, 2024 (ML24184A171), the NRC estimated that it would take approximately $4.2M to complete the application review.

Type of Facility or Activity Type	Total Inventory of Open RAIs as of the End of Reporting Period	Total Number of RAIs Issued in Reporting Period	Total Number of RAIs Responded to in Reporting Period	Total Number of RAIs Closed in Reporting Period[62]
Operating Reactors	263	199	58	109
Non-Power Production and Utilization Facilities[63]	122	9	9	0
Design Certifications for New Reactors[64]	0	0	0	0
Early Site Permits for New Reactors[65]	0	0	0	0
Combined Licenses for New Reactors	0	0	0	0
Construction Permits for New Reactors or Non-Power Production and Utilization Facilities	0	0	0	0
Fuel Facilities	177[66]	0	3	12
Power Reactor Decommissioning	8	1	2	32
Research and Test Reactor Decommissioning	0	0	0	0
Spent Fuel	158	35	21	11
Materials	0	0	0	0
Uranium Recovery Licensed/Operating	44	0	44	0
Pre-Application Activities for Advanced Reactors	0	0	0	22

[62] RAIs are considered closed once the final SE, environmental assessment, or environmental impact statement is finalized, except for RAIs associated with new reactor application reviews. Due to the phased approach taken over several years for new reactor application reviews, RAIs are closed throughout the review process once the staff has determined that no additional information is needed to resolve the issue.

[63] For the purposes of RAI reporting, non-power production and utilization facilities include all operating research and test reactors and medical radioisotope facilities licensed under Title 10 of the *Code of Federal Regulations* Part 50, "Domestic Licensing of Production and Utilization Facilities."

[64] No design certification applications are currently under review by the NRC; therefore, there will be no RAI data to report until an application is submitted and accepted by the NRC for review.

[65] No early site permit applications are currently under review by the NRC; therefore, there will be no RAI data to report until an application is submitted and accepted by the NRC for review.

[66] The total inventory of open RAIs as of the end of Q1 FY 2025 should be corrected to reflect a final total of 189, rather than 187 as reported in the previous report.

3-7 Workforce Development and Management

FY 2025 Staffing by Office[67]

	FY 2025 Budget[68]	FTE Utilization 12/29/24-01/25/25	FTE Utilization 01/26/25-02/22/25	FTE Utilization 02/23/25-03/22/25	FTE Utilization as of 03/22/25	Delta (Q2 FTE Utilization – FY 2025 Budget)	End of Year (EOY) Projection w/ Personnel Actions	Delta (EOY Utilization – FY 2025 Budget)
Totals	2,928.9	217.4	220.4	219.0	1,361.9	-1,567.0	2,813.9	-115.0
COMM	42.0	2.3	2.3	2.3	13.2	-28.8	28.4	-13.6
OIG	63.0	4.3	4.3	4.0	26.0	-37.0	51.8	-11.2
Totals Other Offices	2,823.9	210.8	213.7	212.7	1,322.8	-1,501.1	2,733.7	-90.2
ACRS	27.1	2.0	2.1	2.1	12.2	-14.9	23.6	-3.5
ADM	117.0	8.3	8.3	8.2	52.3	-64.7	108.7	-8.3
ASLBP	25.6	1.6	1.6	1.6	9.9	-15.7	20.5	-5.1
NMSS	322.1	24.4	24.7	24.7	151.9	-170.2	311.6	-10.5
NRR	578.3	42.4	42.7	42.6	265.9	-312.4	550.7	-27.6
NSIR	163.8	11.7	11.8	11.8	72.9	-90.9	152.2	-11.6
OCA	10.0	0.8	0.8	0.8	5.4	-4.6	11.9	1.9
OCAA	7.0	0.4	0.4	0.4	2.5	-4.5	5.0	-2.0
OCFO	93.0	6.7	6.8	6.7	41.9	-51.1	86.9	-6.1
OCHCO[69]	136.0	10.1	10.8	10.9	64.9	-71.1	139.1	3.1
OCIO	172.0	13.3	13.3	13.2	82.2	-89.8	168.6	-3.4
OE	30.9	2.4	2.4	2.5	15.0	-15.9	31.5	0.6
OEDO	30.0	1.9	1.9	1.9	12.7	-17.3	25.4	-4.6
OGC	94.2	7.2	7.5	7.4	44.6	-49.6	93.1	-1.1
OI	35.0	3.4	3.4	2.8	19.1	-15.9	36.4	1.4
OIP	37.0	2.6	2.6	2.7	17.3	-19.7	35.5	-1.5
OPA	13.0	1.1	1.1	1.0	7.1	-5.9	14.1	1.1
RES	207.4	14.7	14.8	14.8	93.0	-114.4	191.7	-15.7
RI	169.8	13.0	13.3	13.4	80.8	-89.0	170.6	0.8
RII	190.7	15.7	16.1	16.0	100.2	-90.5	208.5	17.8
RIII	168.9	12.5	12.6	12.5	78.4	-90.5	159.4	-9.5
RIV	163.1	12.7	12.8	12.7	79.4	-83.7	162.4	-0.7
SBCR	15.0	1.0	0.9	0.9	6.1	-8.9	12.1	-2.9
SECY	17.0	1.1	1.1	1.1	7.2	-9.8	14.1	-2.9

[67] Some numbers might not add exactly due to rounding.
[68] The values in the FY 2025 Budget column reflects an update from the previous report. The agency was operating under the Further Continuing Appropriations Act, 2025 (as amended) during the reporting period. Therefore, the FY 2025 Budget column shows the FY 2024 enacted levels instead of FY 2025 budget levels.
[69] Commission Support Unit (CSU) (i.e., administrative staff "floaters" among Commissioner offices) is included in the Office of the Chief Human Capital Officer (OCHCO) row.

3-8 Inspection Activities

The table below shows the average number of hours of direct inspection per plant in CY 2025. The ROP Action Matrix can be found on the NRC's public website (https://www.nrc.gov/reactors/operating/oversight/actionmatrix-summary.html#am_summary).

Average ROP Direct Inspection Hours

Nationwide Per Plant (unit)	Column 1 of ROP Action Matrix (unit)	Column 2 of ROP Action Matrix (unit)	Column 3 of ROP Action Matrix (unit)	Column 4 of ROP Action Matrix
373 Hours	381 Hours	306 Hours[70]	No Plants in Column 3	No Plants in Column 4

The table below shows the staff hours spent on inspection-related efforts at operating power reactor sites by CY.

Items	Description	CY 2024 (Hours)	CY 2025 (Hours)
i.	Baseline Inspection	210,254	47,859
ii.	Plant-Specific Inspection	6,512	3,242
iii.	Generic Safety Issue Inspections	0	13
iv.	Performance Assessment	2,225	1,597
v.	Other Activities	100,374	21,999
vi.	Total Staff Effort	319,365	74,710
vii.	Total Staff Effort Per Operating Site	5,807	1,358

3-9 Backfit

Facility-Specific Backfits

No facility-specific backfits were issued during the reporting period.

Generic Backfits

No generic backfits were issued during the reporting period.

Backfit Appeals Filed by Licensees and Applicants

No backfit appeals were submitted to the NRC during the reporting period.

[70] Calvert Cliffs Nuclear Power Plant, Unit 2 moved to Column 2 in Q4 of FY 2024 (ML24309A247). Columbia Generating Station moved to Column 2 in Q1 FY 2022 (ML23111A237) and returned to Column 1 in Q2 FY2025 (ML25073A062). James A. FitzPatrick Nuclear Power Plant entered Column 2 in Q4 FY 2024 (ML24299A214) and entered Column 1 in Q2 FY2025 (ML25065A041). Vogtle Electric Generating Plant, Unit 3 entered Column 2 in Q4 FY 2024 (ML24313A063). Browns Ferry Nuclear Plant, Unit 2, entered Column 2 in Q4 FY 2024 (ML24310A203) and returned to Column 1 in Q2 FY 2025 (ML25079A182). Catawba Nuclear Station, Unit 2 entered Column 2 in Q2 FY 2024 (ML24234A291). Susquehanna Steam Electric Station, Units 1 and 2, moved to Column 2 in Q1 of FY 2025 (ML25016A306). South Texas Project Electric Generating Station, Unit 2, moved to Column 2 in Q1 FY 2025 (ML25007A210).