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

For the Reporting Period of January 1, 2026, through March 31, 2026

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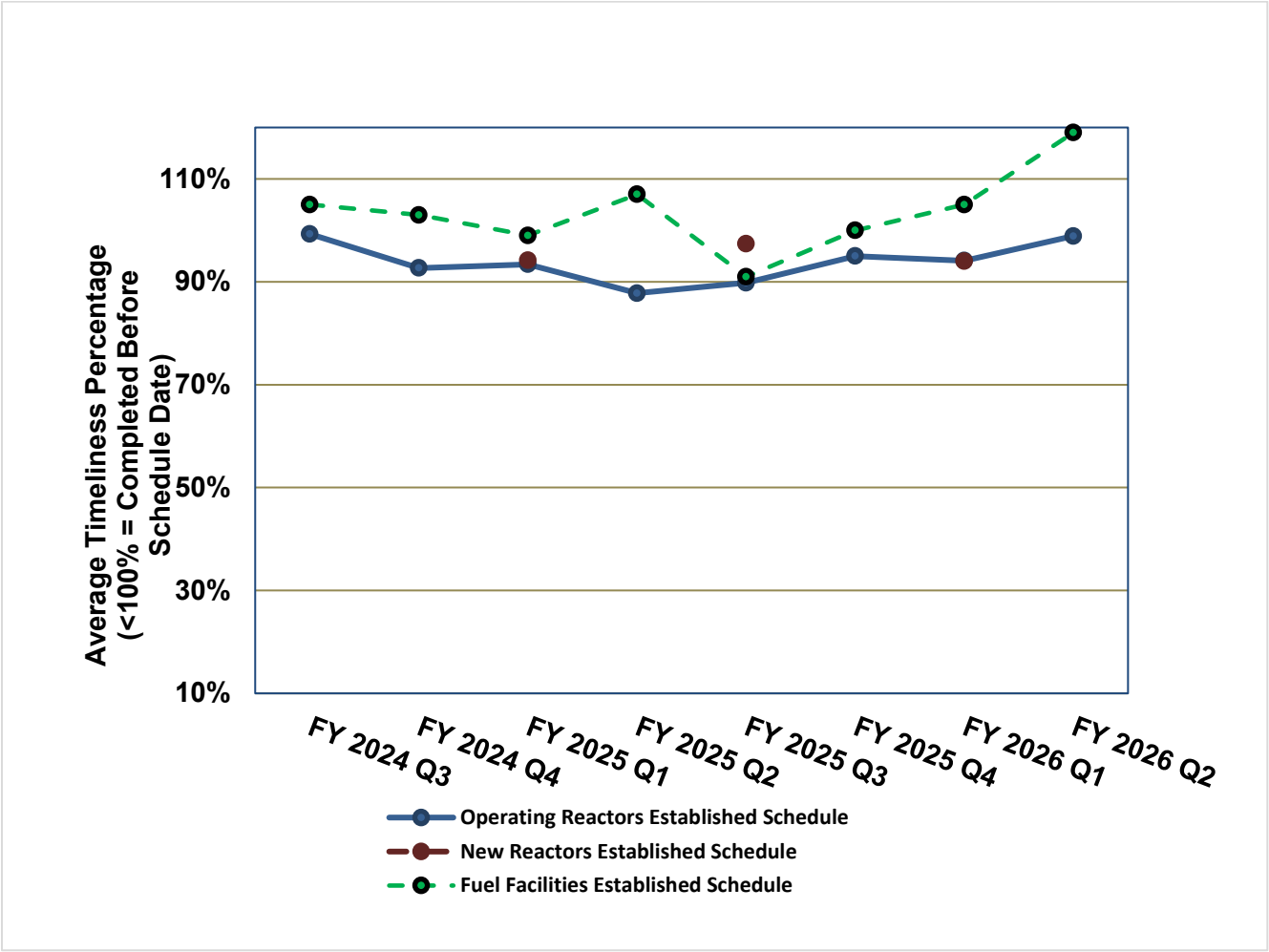
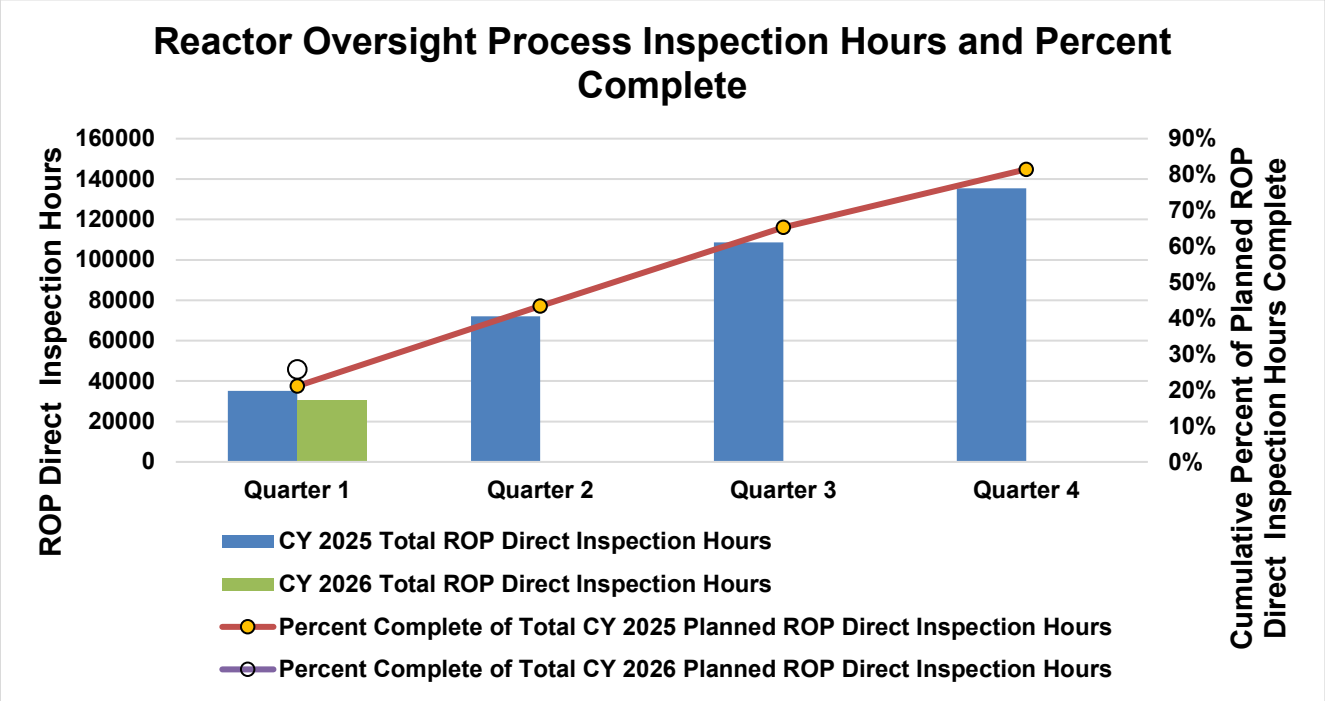
Enclosure 1 – High Level Summary

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

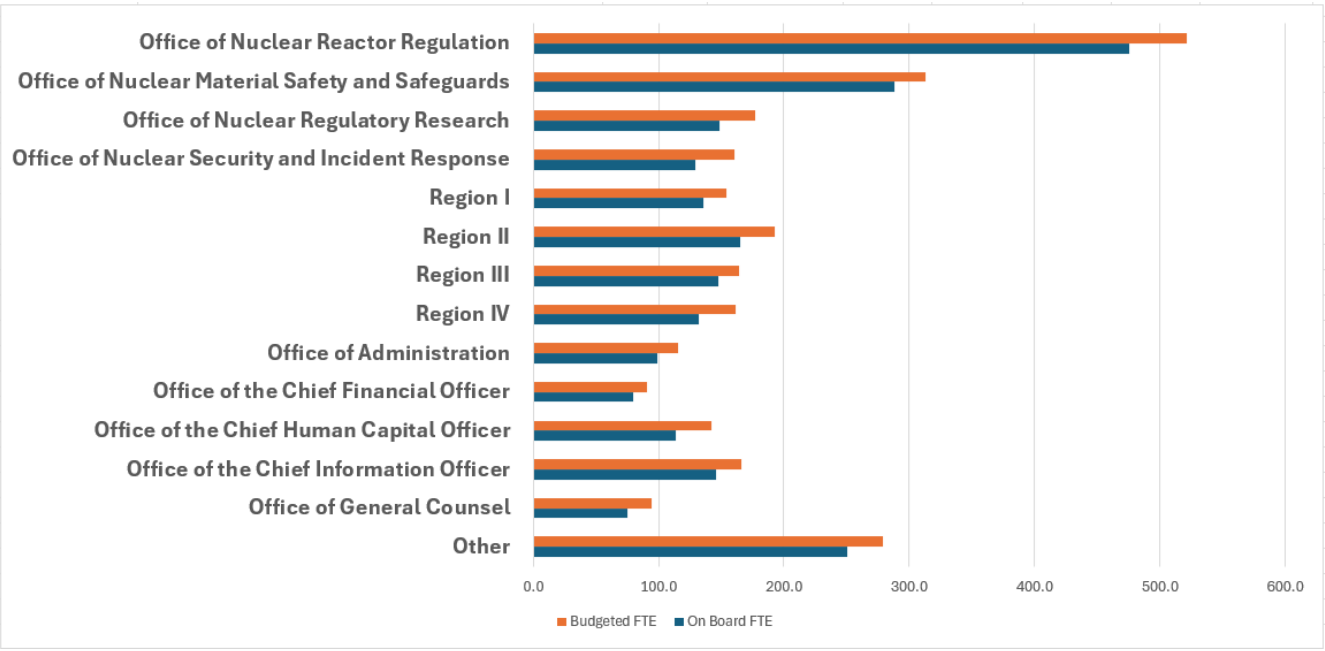


[1]No licensing actions categorized under the Nuclear Energy Innovation and Modernization Act (NEIMA) were completed in Quarter (Q) 3 and Q4 of Fiscal Year (FY) 2024, Q2 and Q4 of FY 2025, and Q2 of FY 2026 for the new reactor business line. An error in the calculation for the Q1 FY 2026 result for Operating Reactor Licensing was corrected.

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



1-3 Full-Time Equivalent (FTE) at the End of Q2 FY 2026 vs. Budgeted FTE



[2]"Planned Reactor Oversight Process (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 (CY). In addition, an estimated number of supplemental inspections are accounted for in the number of inspection hours, which may not be required that year. In CY 2025, the NRC faced a unique challenge due to the temporary cessation of government operations beginning October 1, 2025, which resulted in not completing some of the ROP inspections for CY 2025.

Budget Authority, FTE Utilization, and Fees

NRC FY 2026 Budget Authority March 31, 2026 (Dollars in Thousands)

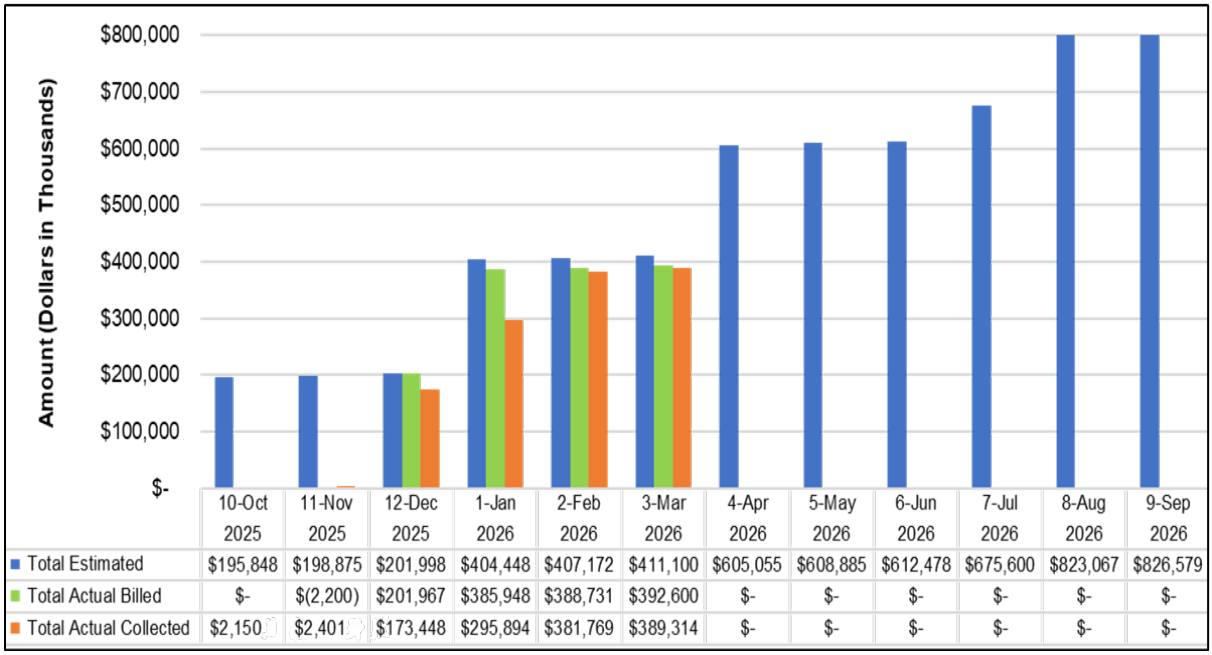
Fund Sources	FY 2026 Budget[3]	Percent Obligated	Percent Expended
Advanced Reactors	$19,707	43%	34%
Commission Funds	$16,157	25%	25%
Fee-Based Funds	$927,760	41%	35%
General Funds[4]	$1,513	23%	18%
International Activities	$21,435	30%	26%
University Nuclear Leadership Program	$12,400	0%	0%
Official Representation	$138	10%	10%
Total[5]	**$999,112**	**40%**	**34%**
NRC Control Points	FY 2026 Budget	Percent Obligated	Percent Expended
Nuclear Reactor Safety	$520,696	42%	38%
Nuclear Materials and Waste Safety	$116,232	41%	38%
Decommissioning and Low-Level Waste	$29,009	36%	32%
Corporate Support	$320,775	37%	28%
University Nuclear Leadership Program	$12,400	0%	0%
Total	**$999,112**	**40%**	**34%**

[3]FY 2026 budget reflects the enactment of the Commerce, Justice, Science; Energy and Water Development; and Interior and Environment Appropriations Act, 2026 and includes the enacted budget and carryover allocated.
[4]Consistent with previous reports, this row represents waste incidental to reprocessing activities excluded from the fee-recovery requirement.
[5]Numbers might not add exactly due to rounding.

FTE Utilization, Hiring, and Attrition[6]

Total Year-to-Date (YTD) FTE Utilization	Projected End of Year FTE Total Utilization	Q2 Hiring	Q2 Attrition	YTD Hiring	YTD Attrition
1,162.3	2,281.8	10	173	17	289[7]

FY 2026 Fees Estimated, Fees Billed, and Fees Collected Through Q2[8]



	10-Oct 2025	11-Nov 2025	12-Dec 2025	1-Jan 2026	2-Feb 2026	3-Mar 2026	4-Apr 2026	5-May 2026	6-Jun 2026	7-Jul 2026	8-Aug 2026	9-Sep 2026
Total Estimated	$195,848	$198,875	$201,998	$404,448	$407,172	$411,100	$605,055	$608,885	$612,478	$675,600	$823,067	$826,579
Total Actual Billed	$-	$(2,200)	$201,967	$385,948	$388,731	$392,600	$-	$-	$-	$-	$-	$-
Total Actual Collected	$2,150	$2,401	$173,448	$295,894	$381,769	$389,314	$-	$-	$-	$-	$-	$-

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 2024	FY 2025	FY 2026 Q1-Q2
$204.0	$213.4	86.3

[6]The NRC has updated its reporting methodology starting with this reporting period (Q1 FY 2026) to include both permanent and temporary employees. This refinement is intended to improve consistency and comparability across internal and external workforce reports and to align with Office of Personnel Management (OPM) guidance.
[7]For Q1 2026, the reported numbers reflected Permanent Employees only, in line with the attrition methodology that had been documented and in use at the time. Although approval had been received to include both Permanent and Temporary Employees, the updated methodology had not yet been documented prior to finalizing the Q1 analytics. For Q2, we have now aligned the Q1 attrition figures with the approved methodology, and this adjustment is reflected in the Fiscal YTD numbers.
[8]During October and November 2025, fee billing and collections were at a reduced level due to government shutdown impacts.

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 Organizational Management

On October 1, 2025, the NRC staff implemented the Graded Review Approach/Graded Estimate Method (GEM) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML25240B594, non-public) to streamline operating reactor licensing reviews by focusing staff resources on areas of highest safety and risk significance, promoting the use of precedent, and applying risk-informed decision-making, with resource hours and schedules guided by targets to promote consistency and efficiency. The approach, which was outlined in the "NRC Licensing Efficiency Initiatives Update" (ML25191A155), applies to license amendment requests, exemptions, and relief requests; license renewal reviews, power uprates, and Risk-Informed Process for Evaluation reviews are excluded due to separate streamlining efforts already complete or underway. This approach supports the agency's ongoing efforts to align Executive Order (EO) 14300, the Accelerating Deployment of Versatile, Advanced Nuclear for Clean Energy Act of 2024 (ADVANCE Act), and the NRC's effort to modernize regulatory reviews while maintaining safety as its top priority. In addition, the NRC is launching a significant organizational modernization effort designed to streamline decision-making, consolidate functions, and enhance alignment with national priorities for the safe and efficient deployment of innovative nuclear technologies. The reorganization will focus on core business lines of new reactors, operating reactors, and nuclear materials and waste. NRC aims to have the reorganization implemented by mid-summer 2026.

Completed Activities for Q2 FY 2026

Organizational Management Activities	Projected Completion Date	Completion Date
Implement more frequent performance check-ins between supervisors and staff.	12/12/25	01/28/26[9]
Implement standardized elements and standards for GG non-supervisory staff.	01/30/26	01/05/26
Graded Review Approach refresher workshop.	01/08/26	01/08/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Organizational Management Activities	Projected Completion Date
Implement new supervisory performance metrics for the FY 2026 performance period.	04/02/26[10]
Complete implementation of Agency's reorganization efforts	06/15/26

2-2 ADVANCE Act Updates

The NRC continues to make significant progress on implementing the ADVANCE Act, which requires

[9]The completion date for this activity was delayed due to the government shutdown.
[10] The projected completion date for this activity was extended from March 30, 2026 due to the government shutdown.

the NRC to take various actions, particularly in the areas of licensing of new reactors and fuels. On May 23, 2025, President Trump issued EO 14300, “Ordering the Reform of the Nuclear Regulatory Commission,” directing the NRC, among other things, to take additional actions to reform the NRC to facilitate the safe licensing and deployment of nuclear technology. Consistent with the ADVANCE Act and EO 14300, the NRC is taking bold steps to embrace innovation, accelerate licensing timelines, and modernize the regulatory framework and agency culture. This section highlights accomplishments toward these goals during the Q2 FY 2026 reporting period.

On January 9, 2026, the NRC published on its public website (https://www.nrc.gov/reactors/new-reactors/advanced/modernizing/microreactors/reg-activities) risk-informed and performance-based strategies and guidance for the licensing and regulation of microreactors, as required by Section 208 of the ADVANCE Act. The webpage includes references and links to a staff memorandum, dated December 9, 2025 (ML25329A275), that discusses a regulatory approach for the oversight of microreactors during the operational phase. This strategy leverages lessons learned from established oversight programs for large light water reactors and research and test reactors, to the extent practical, while incorporating innovative inspection methodologies and a scalable inspection footprint informed by licensee performance and risk insights, as appropriate. The webpage also includes a reference and link to SECY-25-0103, “Update on Development of the U.S. Nuclear Regulatory Commission's Advanced Reactor Construction Oversight Program,” dated December 16, 2025 (ML25024A241), describing a scalable construction oversight program for all advanced reactors, including microreactors.

Completed Activities for Q2 FY 2026

ADVANCE Act Activities	Projected Completion Date	Completion Date
Develop risk-informed and performance-based strategies and guidance for the licensing and regulation of microreactors pursuant to Section 208 of the ADVANCE Act.	01/09/26	01/09/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected ADVANCE Act Activities	Projected Completion Date
Submit to the NRC Executive Director of Operations a report detailing the development, qualification, and licensing of advanced nuclear fuel concepts per Section 404 of the ADVANCE Act.	04/17/26
Submit to the NRC Executive Director of Operations a proposed periodic licensing assessment process per Section 505 of the ADVANCE Act.	05/29/26

2-3 Workforce Development and Management

The NRC continues to develop the agency’s Project Management Initiative to improve workforce development and management. This initiative 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, the initiative aims to create a common operating picture that allows for better alignment of agency priorities with available resources and capacity. The initiative

includes Strategic Workforce Planning (SWP) by aligning workforce capabilities with current and future workload demands and enables proactive talent management.
Additionally, the agency continues to develop 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.

In accordance with OPM guidance to focus on entry level hiring, and with Section 502, "Strengthening the NRC Workforce," of the ADVANCE Act, beginning in FY 2026, the NRC will recruit and onboard annual cohorts for the Nuclear Regulator Apprenticeship Network (NRAN). NRAN is an 18-month entry-level training program designed to provide a broad understanding of the NRC mission by focusing on skill development in various program areas across the agency.

NRC is developing the Leaders Academy, an agencywide initiative designed to strengthen leadership capability, reinforce organizational culture, and enhance workforce continuity. The Leaders Academy will serve as the central hub for leadership development, ensuring a cohesive, strategic, and future focused approach to building leadership excellence across the NRC. The Leaders Academy will provide a structured approach to developing leaders through three integrated components:

- Continuous Learning
- Developing Leaders
- Senior Executive Service (SES) Facilitation

The Leaders Academy aims to develop leaders at all organizational levels, for aspiring leaders and current supervisors to SES candidates, to strengthen understanding of topics such as strategic leadership and risk informed decision making, and to align leadership and teams with the framework and with NRC's mission of public safety, security, and regulatory excellence, and promote continuous learning.

Completed Activities for Q2 FY 2026

Workforce Development and Management Activities	Projected Completion Date	Completion Date
Stand up the Strategic Hiring Committee in accordance with the OPM Memorandum, "Guidance on Executive Order 14356, Ensuring Continued Accountability in Federal Hiring."	01/30/26	01/12/26
Interview candidates for summer student internships.	02/13/26	02/10/26
Select 2026 NRAN cohort and make tentative offers.	02/16/26	03/26/26[11]

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Workforce Development and Management Activities	Projected Completion Date
Implement the revised SWP process with information from offices on future staffing need.	05/30/26[12]

[11]The completion date for this activity was delayed due to the government shutdown.
[12] The projected completion date for this activity was extended from March 31, 2026 due to the government shutdown.

Launch USA Staffing and NEXUS for talent management and workforce planning.	05/31/26
Onboard summer student interns (approximately 50 students).[13]	05/31/26
Onboard 2026 NRAN cohort.	07/13/26
Launch Leader's Academy, wherein NRC Senior Executives host and lead leadership development sessions and facilitate discussions and learning engagements.	09/30/26

2-4 Accident Tolerant Fuel (ATF)

The 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), has been included in a proposed rulemaking under EO 14300, titled "Modernizing Reactor Licensing, Safety Oversight, and Siting Practices." Additional information is available on the NRC public website (https://www.nrc.gov/reading-rm/doc-collections/rulemaking-ruleforum/active/ruledetails?id=2237).

There were no ATF-related license amendment requests (LARs) submitted during this reporting period.

Completed Activities for Q2 FY 2026

ATF Activities	Projected Completion Date	Completion Date
Complete review of Westinghouse Electric Company topical report WCAP-18850-P/NP, Revision 0, "Adaptation of the FULL SPECTRUM™ LOCA (FSLOCA™) Evaluation Methodology to Perform Analysis of Cladding Rupture for High Burnup Fuel."	02/20/26	02/11/26
Deliver informational presentations on ATF initiatives and power uprates at the NRC's annual Regulatory Information Conference to support stakeholder engagement and regulatory transparency.	03/31/26	03/12/26
Hold tabletop exercises to test bundled power uprate licensing application pathway.	03/31/26	03/19/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected ATF Activities	Projected Completion Date
Complete review of Studsvik topical report SSP-14-P01/028-TR-S1, Revision 0, Supplement 1, "Generic Application of the Studsvik Scandpower Core Management System to Pressurized	06/26/26

[13] In Q2 (FY26) approximately 70 offers were extended to summer intern applicants. As of 4/7/2026, 47 applicants have accepted offers.

Water Reactors; Supplement for Extended Enrichment, Burnup, and SMRs."	
Hold tabletop exercises to test bundled power uprate licensing application pathway.	06/30/26
Complete review of Electric Power Research Institute (EPRI) Report 3002023895, "Materials Reliability Program: xLPR [Extremely Low Probability of Rupture] Estimation of PWR Loss-of-Coolant Accident Frequencies (MPR-480)."	06/30/26
Complete review of Framatome Topical Report ANP-10358, "Increased Burnup for Pressurized Water Reactors."	07/31/26
Complete review of EPRI Report 3002028674 and 3002028675, Revision 0, "LOCA Analysis of Fuel Fragmentation, Relocation, and Dispersal for Westinghouse 2-Loop, 3-Loop, and 4-Loop Plants."	09/25/26
Complete review of EPRI topical report 3002028673, "Loss-of-Coolant-Accident Induced Fuel Fragmentation, Relocation, and Dispersal with Leak-Before-Break Credit – Alternative Licensing Strategy."	09/30/26

2-5 Advanced Nuclear Reactor Technologies and Fuel Cycle Facilities

The NRC staff remains focused on developing strategies to streamline licensing timelines, identifying potential policy issues for resolution early, and providing additional regulatory clarity related to advanced reactor technologies and fuel cycle facilities.

On February 5, 2026, the NRC staff issued 5 Advanced Reactor Construction Oversight Program (ARCOP) Inspection Manual Chapters (IMCs) (ML25336A293, ML25336A294, ML25342A169, ML25342A171, ML25342A172). These new chapters build upon current construction oversight experience while remaining adaptable to future advancements in reactor technology and present a risk-informed, performance-based, technology-inclusive approach. These newly issued IMCs establish the ARCOP as a working oversight program. Further details about the ARCOP can be found on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/how-we-regulate/oversight/arcop).

The NRC published the "Final Rule: Risk-Informed, Technology-Inclusive Regulatory Framework for Advanced Reactors" in the *Federal Register* (91 FR 15696) on March 30, 2026, and it will become effective on April 29, 2026. The final rule, known as Part 53, is designed to provide optionality and make licensing advanced nuclear reactors faster, simpler, and more cost-effective while continuing to prioritize safety. This is accomplished through the introduction of technology-inclusive safety standards, increased flexibility for reactor design, and operation based on risk analyses, graded security requirements, and innovative features to accelerate reactor deployment. The final rule was published well ahead of NEIMA's required deadline of December 31, 2027. Further details about the Part 53 final rule, including major features thereof, can be found on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/modernizing/rulemaking/part-53.html).

On January 29, 2026, the NRC staff held a public meeting to discuss NRC staff comments on the submittal titled, "Technology Inclusive Management of Safety Case White Paper" (ML26008A017).

The NRC staff also holds periodic public stakeholder meetings to discuss non-light-water reactor topics of interest. A list of those periodic meetings can be found on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/advanced/get-involved/meetings.html).

The staff is continuing to develop a new proposed regulatory framework, 10 CFR Part 57, to support the efficient licensing of microreactors and similar facilities. The proposed framework is responsive to Section 5(e) of EO 14300, which directed the NRC to establish a process for high-volume licensing of microreactors and modular reactors, as well as direction in the ADVANCE Act to implement risk-informed and performance-based strategies and guidance to license and regulate microreactors. The proposed framework is built upon the work that the agency has been doing since 2020 to identify and address the unique design and deployment considerations of these facilities, including the staff's Integrated Microreactor Activities Plan (ML25225A024). Additional details related to the schedule and major rulemaking milestones can be found on the NRC's Rulemaking website (https://www.nrc.gov/reading-rm/doc-collections/rulemaking-ruleforum/active/ruledetails?id=2238).

On March 23, 2026, the staff issued an approval of Framatome Inc.'s request to amend Special Nuclear Material License No. SNM1227 (ML26057A165). The amendment authorizes an increase in the maximum allowable Uranium-235 enrichment from 5.0 weight percent to up to 6.5 weight percent at the Framatome Fuel Fabrication Facility in Richland, Washington. This approval supports Framatome's continued development of accident tolerant fuel.

The NRC staff also holds periodic public stakeholder meetings to discuss fuel cycle regulatory activities. A list of those semi-annual meetings can be found on the NRC's public website (https://www.nrc.gov/materials/fuel-cycle-fac/regs-guides-comm.html).

Completed Activities for Q2 FY 2026

Advanced Nuclear Reactor Technologies and Fuel Cycle Facilities Activities	Projected Completion Date	Completion Date
Publish final rule, "Risk Informed, Technology Inclusive Regulatory Framework for Advanced Reactors."	03/27/26	03/30/26[14]
Publish Inspection Procedure 88202, "Inspections of Operational Readiness During Construction of Fuel Cycle Facilities."	N/A	02/10/26[15]

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Advanced Nuclear Reactor Technologies and Fuel Cycle Facilities Activities	Projected Completion Date
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.	TBD[16]

[14]The activity was completed 1 business day after the projected completion date provided in the report for FY 2026 Q1. The final rule was published in advance of NEIMA's required deadline of December 31, 2027.
[15]This activity was not included in the previous report because this multi-year effort was planned to be completed in Q2 of FY 2027.
[16]The projected completion date for this activity was extended from May 30, 2025, to support completion of internal review and approval.

Publish proposed rule, "Licensing Requirements for Microreactors and Other Reactors with Comparable Risk Profiles," for public comment.	04/24/26[17]
Issue RG 1.261, Rev. 0, "Guidance for Technology-Inclusive Risk-Informed Change Evaluation."	06/04/26
Publish draft interim staff guidance, "Remote and Autonomous Control" for public comment.	06/30/26
Publish draft interim staff guidance, "Evaluations of Risk Assessments for Risk-Informed Decision-Making for Regulatory Applications," for public comment.	07/24/26

2-6 Pre-application Activities and Licensing Reviews for Nuclear Reactors[18]

Advanced Reactors

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, a wholly owned subsidiary of TerraPower, submitted a construction permit application (CPA) to build Kemmerer Power Station Unit 1 (Kemmerer Unit 1) (ML24088A059) in Lincoln County, Wyoming. The NRC staff accepted the TerraPower application for review on May 21, 2024 (ML24135A109). On October 21, 2025, the NRC staff completed and issued the final Environmental Impact Statement (ML25287A017), and on November 28, 2025, the staff completed and issued the final Safety Evaluation (ML25287A252). The staff's review was completed in 18 months, which was 9 months ahead of the original schedule. On December 18, 2025, the NRC issued a *Federal Register* notice for the mandatory uncontested hearing (90 FR 60132) and on March 4, 2026, the Commission completed its proceedings and authorized the issuance of the construction permit (ML26063A399). Subsequently, on March 9, 2026, the NRC staff issued the construction permit authorizing the construction of Kemmerer Unit 1 (ML26034B247). Application documents and information regarding the review are available on the NRC's public website at https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/applicant-projects/terrapower.html.

Long Mott Generating Station Construction Permit Application Review

On March 31, 2025, Long Mott Energy, LLC (LME) 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. On May 12, 2025, the NRC staff accepted the LMGS application for review (ML25115A247). On June 10, 2025, the staff issued a letter providing the staff's expected review schedule and resources

[17]The projected completion date for this activity was extended from March 30, 2026, to support completion of internal review and approval.

[18]Pre-application activity tables are not provided for license renewal, reactor restarts, or power uprates. Any pre-application activities for license renewal, reactor restarts, and power uprates are addressed in the narrative portion of the respective section. The first licensing activity for these licensing actions is the acceptance review, which would appear in the licensing review activities tables of the respective section.

(ML25155B841). The staff expects to complete its review of the LMGS application by November 2026 (18-month review). LME submitted three supplements to the environmental report associated with its construction permit application on August 29, 2025, October 17, 2025, and October 24, 2025, respectively (ML25241A351, ML25290A123, and ML25297A164). LME submitted five supplements to the preliminary safety analysis report that include portions of the information described in Attachment 4, "Submittals of Supporting Site-Specific Information for LMGS Preliminary Safety Analysis Report Chapter 2," of the construction permit application submittal on September 26, 2025, November 20, 2025, December 4, 2025, December 12, 2025, and December 17, 2025, respectively (ML25269A125, ML25324A306, ML25338A311, ML25346A257, and ML25351A148). On February 26, 2026, the NRC staff issued a letter to LME indicating that staff completed the draft safety evaluation milestone for the LMGS construction permit application and is progressing through its environmental review, consistent with the established review schedule (ML26043A457). 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).

Duke Energy, Belews Creek Early Site Permit

On December 30, 2025, Duke Energy Carolinas, LLC, submitted an application for an early site permit (ESP) at the Belews Creek, North Carolina site (ML25364A004). On February 8, 2026, the staff accepted and docketed the application (ML26016A624). The letter includes milestones to support the issuance of a final safety evaluation report and final environmental impact statement by May 2027 (15 months from docketing). A notice announcing the docketing of the application and offering an opportunity to request a hearing and petition for leave to intervene was published in the *Federal Register* on February 9, 2026 (91 FR 5787).

Palisades SMR, LLC Construction Permit – Limited Work Authorization

On December 31, 2025, Palisades SMR, LLC, on behalf of SMR, LLC, submitted to the NRC the first part (Part 1) of a phased construction permit application for a dual-unit SMR-300 plant at the Palisades Energy Center in Covert, Michigan (ML25365A983). The units are individually named Pioneer Unit 1 and Pioneer Unit 2. Part 1 of the application includes a request for a limited work authorization, three exemption requests, and a comprehensive environmental report. Palisades SMR, LLC, requested NRC approval to conduct certain early construction activities prior to issuance of a full construction permit. Palisades SMR, LLC plans to submit Part 2 of the phased construction permit application no later than 18 months after the Part 1 submittal. The NRC staff conducted an acceptance review of the application and accepted for review and docketed the application on February 13, 2026. A notice of acceptance for docketing, opportunity to request a hearing and petition for leave to intervene, and request for comments was published in the *Federal Register* on February 27, 2026 (91 FR 9892). The NRC staff is reviewing the application and expects to issue a final safety evaluation report and a final environmental impact statement by March 2027. Application and pre-application documents are available on the NRC's public website: (https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/applicant-projects/pioneer)

Westinghouse AP1000 design certification

On March 27, 2026, NRC staff received Westinghouse's request to renew the AP1000 design certification and amend Appendix D of 10 CFR Part 52 to incorporate Revision 20 of the AP1000 design control document (DCD), which was included in the submittal (ML26086A409). Westinghouse intends to submit an exemption request from 10 CFR 52.57(a) separately because their request was submitted more than 36 months before expiration of the current AP1000 design. AP1000 DCD Revision 20 incorporates construction validated changes from Vogtle Units 3 and 4, including previously approved license amendments, Tier 2 departures, and resolved combined operating

license action items. This activity supports timely alignment of the certified design with the as-built AP1000 configuration and enables predictable licensing outcomes for current and prospective applicants.

Fermi America Combined License Application Review

On June 17, 2025, Fermi America submitted Part 1 of a combined operating license application (COLA) (ML25169A395) for four AP1000 reactors. The reactors are proposed to be located at the Project Matador Advanced Energy and Intelligence Campus (previously referred to as the President Donald J. Trump Advanced Energy and Intelligence Campus)[19] in Carson County, Texas, adjacent to the U.S. Department of Energy's Pantex facility. Part 1 of the application included general, financial, and environmental information. On August 20, 2025, Fermi America submitted Part 2 of the COLA (ML25232A199), which included non-site-specific technical chapters of the Final Safety Analysis Report and other supplemental information. Fermi America has identified additional future submittals, including an NRC-supervised, applicant prepared draft environmental impact statement and site-specific information, to complete its application. On September 5, 2025, the NRC staff accepted Part 1 and Part 2 of the COLA (ML25240A918). Upon receipt of Part 3 of the COLA, the NRC staff will be able to complete its acceptance review of the remaining portion of the COLA and issue a formal notice of opportunity for hearing in the Federal Register. Application documents and information regarding the review are available on the NRC's public website (https://www.nrc.gov/reactors/new-reactors/largelwr/col/fermi-energy-intel-campus).

Tennessee Valley Authority (TVA) Construction Permit Application Review

On April 28, 2025, Tennessee Valley Authority (TVA) submitted Part 1 of a two-part CPA to build a GVH (former GE Vernova Hitachi Nuclear Energy) BWRX-300 at the Clinch River Nuclear Site in Roane County, Tennessee (ML25118A209). Part 2 of the CPA was submitted to the NRC on May 20, 2025 (ML25140A062). On July 9, 2025, the NRC staff accepted TVA's CPA for review (ML25182A151) and issued a resource and schedule letter to TVA on July 25, 2025 (ML25205A005). On January 16, 2026, the staff issued a letter informing TVA of completion of the draft safety evaluation report and draft environmental impact statement (ML26005A247). The staff expects to complete its review of TVA's application by November 2026. Application documents and information regarding the review are available on the NRC's public website at https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/applicant-projects/clinch-river.html.

University of Illinois Urbana-Champaign Construction Permit Application Review

On March 31, 2026, the University of Illinois Urbana-Champaign (U. of I.) submitted its CPA for a proposed microreactor based on Nano Nuclear Energy Inc.'s KRONOS Micro Modular Reactor (KRONOS MMR™) technology (ML26090A463). The application includes general information, as well as the preliminary safety analysis report and environmental report. The reactor would be a high-temperature gas-cooled reactor located on the U. of I. campus. The proposed facility would be licensed as a non-power research reactor intended to support research, training, and advanced reactor technology demonstration activities. The proposed facility has a molten salt secondary loop providing high temperature heat for electrical power conversion and district heating capability for campus use. The unit will integrate with existing energy infrastructure. Pre-application documents are available on the NRC's public website at https://www.nrc.gov/reactors/new-reactors/advanced/who-were-working-with/pre-application-activities/university-of-illinois-at-urbana-champaign.

[19]Fermi America updated the project and unit naming convention to Project Matador Advanced Energy and Intelligence Campus by letter dated February 20, 2026 (ML26055A301).

Completed Activities for Q2 FY 2026

Advanced Reactor Licensing Review Activities	Projected Completion Date	Completion Date
Complete draft safety evaluation (SE) for Long Mott Generating Station Xe-100 construction permit application.	02/28/26	02/26/26

Advanced Reactor Pre-application Review Activities	Projected Completion Date	Completion Date
Issue final SE to Kairos for its Hermes Safety Analysis Methods Topical Report.	01/31/26	01/05/26
Issue final SE to Westinghouse Electric Company, LLC (Westinghouse) for its Nuclear Design Methodology Topical Report for the eVinci design.[20]	01/31/26	01/09/26
Issue final SE to X-energy for its Plume Exposure Pathway Emergency Planning Zone Sizing Methodology Topical Report.	01/30/26	02/11/26[21]
Issue final SE to X-energy for its Graphite Core Assembly Material Qualification and Design Methodologies Topical Report.	02/27/26	03/23/26[22]
Issue final SE to Westinghouse for its Advanced Logic System v2 Platform Elimination of Technical Specification Surveillance Requirements Topical Report.	02/27/26	02/23/26
Issue final SE for NuScale Highly Integrated Protection System Platform Topical Report, Supplement 1.	05/16/26	03/5/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Advanced Reactor Licensing Review Activities	Projected Completion Date
Finalize Environmental Assessment and Related Activities for Long Mott Generating Station Xe-100 construction permit application.	04/30/26
Issue Environmental Assessment and Finding of No Significant Impact for Long Mott Generating Station Xe-100 construction permit application.	06/30/26
Complete draft SE for Pioneer Units 1 and 2 Limited Work Authorization application.	08/31/26

[20]The title of this activity was updated to match the title of the report. This activity was previously referred to in the FY 2026 Q1 report as the "Nuclear Design Criteria Topical Report for the eVinci design."
[21]The completion date exceeded the projected completion date for this activity due to the prioritization of other licensing actions.
[22]The completion date exceeded the projected completion date for this activity due to the prioritization of other licensing actions.

Complete advanced SE for Long Mott Generating Station Xe-100 construction permit application.	08/31/26
Complete draft SE for Belews Creek early site permit application.	08/31/26

Projected Advanced Reactor Pre-Application Review Activities	Projected Completion Date
Issue final SE to X-energy for its Principal Design Criteria Topical Report for the XENITH design.	TBD[23]
Issue final SE to X-energy for its Analytical Methods Topical Report for the XENITH design.[24]	TBD[25]
Issue Final Safety Evaluation of the Kairos Mechanical Source Term Methodology topical report revision.	04/01/26
Issue Final Safety Evaluation of the Oklo principal design criteria Topical Report.	04/24/26
Issue final SE to Aalo Atomics for its Quality Assurance Program Description Topical Report.	04/30/26[26]
Issue final SE to Terrestrial for its Postulated Initiating Events Topical Report.	04/30/26
Issue final SE for GVH – BWRX 300 Safety Strategy Topical Report.	TBD[27]
Issue final SE for GVH – BWRX-300 Stability Analysis Topical Report.	TBD[28]
Issue Final Safety Evaluation for the Terra Innovatum principal design criteria topical report.	06/01/26
Issue Final Safety Evaluation of Hadron Energy Quality Assurance Program Description Topical Report.	06/15/26
Issue Final Safety Evaluation for the Terra Innovatum Material Control and Accountability topical report.	07/20/26
Issue Final SE for NuScale Emergency Response Organization Topical Report.	07/27/26[29]
Issue Final Safety Evaluation for NuScale Event Classification Topical Report.	07/27/26[30]
Issue Final Safety Evaluation for the Terra Innovatum Quality Assurance	08/14/26

[23]The projected completion date for this activity is TBD while the review is on hold by request of the vendor.
[24]The title of this activity was updated from “Nuclear Design Methodology” to “Analytical Methods.”
[25]The projected completion date for this activity is TBD while the review is on hold by request of the vendor.
[26]The projected completion date for this activity was extended from March 31, 2026 to April 30, 2026, to support internal review and input provided by the applicant.
[27]The projected completion date for this activity will be extended TBD because the review was put on hold while the applicant focused resources on other licensing activities impacting the content of this topical report.
[28]The projected completion date for this activity will be extended TBD to account for unrecoverable delays due to government shutdown.
[29]The projected completion date for this activity will be extended by approximately 45 days to account for unrecoverable delays due to government shutdown.
[30]The projected completion date for this activity will be extended by approximately 45 days to account for unrecoverable delays due to government shutdown.

Projected Advanced Reactor Pre-Application Review Activities	Projected Completion Date
topical report.	
Issue Final Safety Evaluation of the Oklo product based licensing Topical Report.	09/30/26
Issue Final Safety Evaluation of the Kairos operator training and testing program topical report.	09/30/26

License Renewal

Information on upcoming license renewal application submittals can be found on the NRC's public website at:

- License Renewal Applications
- Subsequent License Renewal Applications

Completed Activities for Q2 FY 2026

License Renewal Licensing Review Activities	Projected Completion Date	Completion Date
Issue Final Supplemental Environmental Impact Statement (SEIS) for H.B. Robinson Steam Electric Plant, Unit 2 subsequent license renewal application.	03/31/26	03/12/26
Issue Final Supplemental Environmental Impact Statement (SEIS) for St. Lucie Plant, Units 1 and 2 subsequent license renewal application.	03/31/26	03/13/26
Issue Environmental Assessment (EA) and Finding of No Significant Impact (FONSI) for Edwin I. Hatch Nuclear Plant, Units 1 and 2 subsequent license renewal application.	03/31/26	03/26/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected License Renewal Licensing Review Activities	Projected Completion Date
Issue decision on Diablo Canyon Power Plant, Units 1 and 2 license renewal application.	04/02/26
Issue safety evaluation for H.B. Robinson Steam Electric Plant, Unit 2 subsequent license renewal application.	04/30/26
Issue decision for H.B. Robinson Steam Electric Plant, Unit 2 subsequent license renewal application.	04/30/26
Accept Subsequent License Renewal Application for Nine Mile Point, Unit 1.	04/24/26

Projected License Renewal Licensing Review Activities	Projected Completion Date
Issue decision on St. Lucie Plant, Units 1 and 2 subsequent license renewal application.	04/30/26
Issue safety evaluation for Edwin I. Hatch Nuclear Plant, Units 1 and 2 subsequent license renewal application.	05/31/26
Issue decision on Edwin I. Hatch Nuclear Plant, Units 1 and 2 subsequent license renewal application.	06/12/26
Accept Subsequent License Renewal Application for Cooper Nuclear Station	06/30/26
Accept Subsequent License Renewal Application for R. E. Ginna Nuclear Power Plant.	07/31/26

Reactor Restarts

Palisades Nuclear Plant Restart Review

Palisades Nuclear Plant, in Covert, Michigan, ceased operations on May 20, 2022. On February 1, 2023, and March 13, 2023, Holtec Decommissioning International (Holtec) submitted letters to the NRC expressing interest in returning Palisades to operations (ML23032A399 and ML23072A404). The NRC staff held two initial pre-application meetings in March and May 2023 to discuss the regulatory path (ML23107A121 and ML23171B122). On September 28, 2023, Holtec submitted the first in a series of requests for licensing actions to reauthorize power operations (ML23271A140). On July 1, 2025, the licensee submitted a letter notifying the NRC of their readiness to transition to an operational status on August 25, 2025 (ML25182A066). On July 24, 2025, the NRC issued the bundle of licensing actions necessary to restore the plant's operational licensing basis. On August 25, 2025, the licensee implemented the bundle of licensing actions and re-entered the ROP (ML25237A317). The NRC has additional reviews and inspections to complete, and the licensee has additional actions to take to restore the plant equipment, before fuel can be loaded in the reactor vessel and the plant can be brought back to commercial operation. Requests and information regarding the review are available on the NRC's public website (https://www.nrc.gov/info-finder/reactors/pali.html).

Christopher M. Crane Clean Energy Center Restart Review

The Christopher M. Crane Clean Energy Center (formerly Three Mile Island Nuclear Station), Unit 1, in Middletown, Pennsylvania, ceased operations on September 20, 2019. On October 25, 2024, the NRC staff held an initial pre-application meeting with Constellation Energy Generation, LLC to discuss their regulatory path and intent to rename the plant (ML24346A418). On November 4, 2024, Constellation submitted a letter to the NRC expressing interest in plant restart in 2027 (ML24310A104). On November 19, 2024, Constellation submitted the first in a series of requests for licensing actions to reauthorize power operations (ML24324A048). On March 6, 2025, the NRC staff issued a charter establishing the Crane Restart Panel (ML25013A196). On June 27, 2025, Constellation submitted a license amendment request to receive new fuel prior to transitioning to an operational status (ML25178A294). On July 31, 2025, October 24, 2025, and October 31, 2025 (ML25212A076, ML25300A118, and ML25304A097), Constellation submitted the remaining license amendment requests to restore the license, technical specifications, security plan, and emergency plan back to an operational status. Additionally, on October 31, 2025 (ML25303A292), the licensee submitted its environmental report to support the environmental review of these licensing actions. Requests and information regarding the review are available on the NRC's public website (https://www.nrc.gov/info-finder/reactors/ccec.html).

Duane Arnold Energy Center Restart Review

The Duane Arnold Energy Center (DAEC), in Palo, Iowa, ceased operations on August 10, 2020. On January 23, 2025, NextEra Energy Duane Arnold, LLC (NEDA) submitted a letter to the NRC expressing interest in plant restart in 2028 (ML25023A265) and the first in a series of requests for licensing actions to reauthorize power operations (ML25023A270). In March 2025, the NRC staff held an initial pre-application meeting to discuss their regulatory path (ML25099A149). On April 15, 2025, the NRC staff issued a charter establishing the DAEC Restart Panel (ML25069A731). On November 20, 2025, December 17, 2025, and January 30, 2026 (ML25324A300, ML25363A083, and ML26033A048), NEDA submitted the remaining license amendment requests to restore the license, technical specifications, security plan, and emergency plan back to an operational status. On November 10, 2025 (ML25315A003), the licensee submitted its environmental report to support the staff's environmental review of these licensing actions. On March 30, 2026 (ML26068A232), the NRC staff issued an order approving a direct license transfer request to consolidate all ownership interests in the DAEC with NEDA. Requests and information regarding the review are available on the NRC's public website (https://www.nrc.gov/info-finder/reactors/duan.html).

Completed Activities for Q2 FY 2026

Reactor Restart Activities	Projected Completion Date	Completion Date
Issue decision on second Palisades exemption request related to Part 26 work hour requirements.	01/05/26	01/05/26
Complete acceptance review for DAEC LAR and license transfer request to support reauthorization of power operations.	01/07/26	01/05/26
Complete acceptance review for DAEC LAR to restore the operational security plan to support reauthorization of power operations.	02/27/26	01/30/26
Complete acceptance review for DAEC LAR to restore the operational emergency plan to support reauthorization of power operations.	02/27/26	03/09/26[31]
Issue decision on third Palisades exemption request related to Part 26 work hour requirements.	03/01/26	03/13/26[32]
Issue decision/order on DAEC direct license transfer request to buy out minority owners.	03/31/26	03/30/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Reactor Restart Activities	Projected Completion Date
Issue decision on Palisades relief request (RR) 5-9, proposed alternative to certain inservice inspection program requirements for nozzles.	04/30/26
Issue decision on Palisades RR 5-13, proposed alternative to certain inservice inspection program requirements for CRDM penetration no. 5.	05/01/26
Issue decision on Palisades RR 5-14, proposed alternative to certain inservice inspection program requirements for pressurizer welds.	05/01/26

[31]The acceptance review was completed after the projected completion date due the applicant's submittal being received later than previously anticipated. The acceptance review was completed within NRR policy timelines.
[32]This exemption request was unplanned, and therefore, it was not forecasted in the previous report.

Complete acceptance review for DAEC application to allow use of glass top simulator for operator qualification.	05/28/26
Complete acceptance review for DAEC exemption request to administer operator licensing exams.	06/04/26
Complete acceptance review for CCEC inservice inspection/inservice testing relief requests for next intervals.	06/30/26
Issue decision on CCEC amendment request to receive new fuel and neutron sources prior to returning to operating licensing basis.	07/07/26
Complete acceptance review for DAEC amendment request to transition to Framatome ATRIUM 11 fuel for potential restart.	08/31/26
Issue conforming amendment for DAEC license transfer.	09/30/26[33]

Power Uprates

The NRC continues to make agency processes more efficient and effective for the review of power uprate submittals. The NRC staff is executing the power uprate project plan (ML24110A141), identifying efficiencies to exceed review targets identified in the May 2024, letter to the Nuclear Energy Institute (NEI) (ML24106A068), and implementing process improvements (ML24239A394). Responses to the February 7, 2025, regulatory issue summary requesting schedule information are available at https://www.nrc.gov/reactors/operating/licensing/power-uprates/status-power-apps/expected-applications.

NRC staff met with staff from Idaho National Labs in February 2026, under U.S. Department of Energy (DOE's) Light Water Reactor Sustainability Program, to discuss how artificial intelligence can be used in the power uprate review process. Staff continues to look for opportunities to use artificial intelligence in power uprate reviews.

Staff created an internal-use data dashboard using responses to Regulatory Issue Summary 2025-02, "Planned Power Uprate-Related Licensing Submittals for All Power Reactor Licensees" (ML25007A001), to assist the staff in identifying resource needs to complete the influx of power uprate applications expected in the next four years. Additional information can be found on the NRC's public website (https://www.nrc.gov/reactors/operating/licensing/power-uprates.html).

Completed Activities for Q2 FY 2026

Power Uprate Licensing Review Activities	Projected Completion Date	Completion Date
On March 19, 2026, staff held a well-attended hybrid public meeting (over 75 attendees) with NEI to discuss NEI's and industry's feedback on the NRC's draft graded approach for power uprate reviews, NEI's draft regulatory engagement strategy for power uprate applications (including bundling), and NRC's Enhanced Topical Report Implementation process.	03/31/26	03/19/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

[33]Amendment will be issued on date transfer is completed by licensee. The issuance date is TBD and could extend beyond Q4 FY 2026 but must be within one year of the date of the order (03/30/2026), provided that the date may be extended for good cause.

Projected Power Uprate Licensing Review Activities	Projected Completion Date
None	

2-7 Pre-application Activities and Licensing Reviews for Fuel Cycle Facilities[34]

Westinghouse Electric Company, LLC Pre-Application Engagement

Westinghouse had a pre-application meeting with the NRC staff on May 16, 2024, regarding a proposed LAR for the Columbia Fuel Fabrication Facility's (CFFF) low enriched uranium plus (LEU+) facility and a pre-application meeting focused on natural phenomena hazards on November 21, 2024. On February 26, 2025, Westinghouse submitted a white paper about natural phenomena hazard criteria to support a future LAR aimed at increasing enrichment in a new building at their site that will fabricate fuel with increased enrichment (ML25057A093). The NRC staff provided observations as early feedback on the white paper to Westinghouse on June 25, 2025 (ML25160A287). On June 23, 2025, the NRC staff held a virtual partially closed public meeting with Westinghouse CFFF staff, who requested the meeting to discuss the criticality safety program for the planned LEU+ facility expansion (ML25197A519). On September 8, 2025, the NRC staff held a virtual partially closed meeting with Westinghouse CFFF staff, who requested a follow-on meeting to discuss integrated safety analysis for the planned LEU+ facility expansion (ML25330A121).[35]

Paducah Laser Enrichment Facility License Application Review

On June 30, 2025, Global Laser Enrichment, LLC (GLE) submitted a license application (ML25179A001) for the Paducah Laser Enrichment Facility (PLEF). GLE plans to construct and operate the proposed facility adjacent to the decommissioned Paducah Gaseous Diffusion Plant site in McCraken County, Kentucky. The proposed facility is anticipated to be deployed as part of an agreement between GLE and DOE to purchase and re-enrich certain DOE inventories of depleted uranium hexafluoride (UF6). The proposed facility will utilize laser-based isotope separation technology to enrich UF6 up to eight weight-percent uranium-235. On August 4, 2025, the staff accepted the license application for the PLEF (ML25202A201). On March 4, 2026, the Commission issued an order that, in relevant part, directs a schedule be set that provides for the issuance of a final Commission decision on the pending application within 30 months from the date the NRC staff formally accepted the application for review (i.e., by February 4, 2028) (ML26062A214).

TRISO-X Fuel Fabrication Facility License Application Review

In September 2022, the NRC staff received an application from TRISO-X, a subsidiary of X-energy, to operate a TRISO fuel fabrication facility (ML22101A200 and ML22266A269). The application was accepted for review on November 18, 2022 (ML22320A110). TRISO-X submitted supplemental information for the application on February 29, 2024 (ML24060A239). TRISO-X later revised the license application and environmental report to account for a modified facility design via letters dated December 30, 2024 (ML24365A255), January 31, 2025 (ML25031A450), and March 28, 2025 (ML25087A161). The NRC staff issued a revised schedule letter on March 14, 2025 (ML23005A193), which modified the projected completion date from June 2025 to May 2026. In September 2025, the NRC staff issued the draft EIS (ML25267A128) for comment, which closed on December 8, 2025. On

[34]Pre-application activity tables are not provided for fuel cycle facilities. Any pre-application activities for fuel cycle facilities are addressed in the narrative portion of the respective section. The first licensing activity for these licensing actions is the acceptance review, which would appear in the licensing review activities tables of the respective section.
[35]Information regarding this partially closed pre-application meeting was inadvertently omitted from the Q3/Q4 FY 2025 report.

February 13, 2026, the NRC staff issued TRISO-X, LLC, a 40-year license for the first-of-a-kind high-assay low-enriched uranium fuel fabrication facility located in Oak Ridge, Tennessee (ML25289A030). The issuance of the license (ML25289A013) and completion of the environmental impact statement (ML26033A130) were completed 3.5 months in advance of the revised schedule.

Orano Project IKE Enrichment Facility License Application Review

On March 27, 2026, Orano Enrichment USA LLC (Orano) submitted a license application for the Project IKE enrichment facility in Oak Ridge, Tennessee (ML26086A378). The application was bifurcated, with the environmental report submitted on January 30, 2026 (ML26030A237), ahead of the safety and security portion of the application. Orano was awarded $900 million by the DOE for expanding domestic enrichment capacity. The Commission will issue an order that establishes the timeline for issuance of a final Commission decision on the pending application The license is expected to be issued by April 2027.

Completed Activities for Q2 FY 2026

Fuel Facility Licensing Review Activities	Projected Completion Date	Completion Date
Complete review of the TRISO-X Fuel Fabrication Facility license application.	02/27/26	02/13/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Fuel Facility Licensing Review Activities	Projected Completion Date
Complete the acceptance review for the Orano Project IKE Enrichment Facility.	04/27/26

2-8 Reactor Oversight Process

In CY 2025, the NRC faced a unique challenge due to the temporary cessation of government operations beginning October 1, 2025, which resulted in not completing some ROP baseline inspections for CY 2025 (95.9% of inspections were completed). During this period, the NRC operated under its Office of Management and Budget-approved plan for a lapse in appropriations, which required reduced staffing levels throughout the duration of the shutdown. Despite these constraints, resident inspectors maintained an onsite presence at nuclear power plants, ensuring ongoing oversight. However, regional inspectors – who typically conduct baseline inspections in areas such as engineering, problem identification and resolution, and radiation protection – were unable to perform their scheduled inspections. For those inspections missed during the shutdown, NRC staff employed several mitigation strategies such as rescheduling inspections where feasible, conducting remote inspections, and completing documentation reviews. These efforts were aimed at performing the inspections to the fullest extent possible given the prevailing circumstances. Despite significant efforts, completion of several inspection procedures was hindered by multiple factors, including the shutdown coinciding with refueling outage season, the proximity to the end of inspection cycles limiting rescheduling options, limited staff availability, and other logistical constraints. On November 13, 2025, following passage of a continuing resolution, the NRC resumed normal operations. Even though the baseline inspection program was not fully completed in CY 2025, this was a relatively short-term impact resulting from the government shutdown. Despite challenging circumstances, the regions continued to implement the baseline inspection program during CY 2025, and the NRC maintained reasonable assurance of safe plant operation.
In response to Section 507 of the ADVANCE Act, the NRC completed an assessment to identify

specific improvements to the nuclear reactor and materials oversight and inspection programs that the NRC may implement to maximize the efficiency of these programs through, where appropriate, the use of risk-informed, performance-based procedures, expanded incorporation of information technologies, and staff training. During the assessment, the staff considered the sustained high level of safety and security performance of the operating fleet. This assessment identified specific, near-term changes to the NRC's oversight and inspection programs to improve efficiency and reduce redundancy. As a result of this assessment, the NRC staff determined that a broad, comprehensive review of the ROP, which is fundamentally performance based, is necessary to reflect improvements in industry performance and advancements in technology.

In addition, Section 5(g) of EO 14300 directs the NRC specifically to "[r]evise the Reactor Oversight Process…to reduce unnecessary burdens and be responsive to credible risks." During the reporting period, the NRC staff discussed the ROP Baseline Inspection Program revision and sought feedback on the proposed changes during two public meetings (ML25301A007 and ML25349A056).

On June 5, 2025, the NRC staff submitted to the Commission SECY-25-0045, "Recommendations for Revising the Reactor Oversight Process" (ML25127A212), on proposed revisions to the ROP based on the ROP assessment conducted as part of implementation of Section 507 of the ADVANCE Act, to increase efficiency through the use of risk-informed, performance-based procedures, expanded incorporation of information technologies, and staff training. On January 26, 2026, SRM-SECY-25-0045, "Staff Requirements – SECY-25-0045 – Recommendations for Revising the Reactor Oversight Process" (ML26026A351), was issued. The Commission approved multiple enhancements to the ROP—including changes to treatment of White findings, Action Matrix criteria, cross-cutting issue characterization, and operator licensing exam preparation—while directing staff to use data to provide a level of confidence that any reductions to inspections will be well-substantiated, targeted adjustments that will still result in processes that identify and resolve any declines in safety- or security-related performance as early as possible and to update ROP guidance accordingly.

On February 3, 2026, the NRC staff submitted to the Commission SECY-26-0014, "Recommendations to Revise the Reactor Oversight Process Baseline Inspection Program" (ML25247A050). SECY-26-0014 sought Commission approval for the NRC to make recommended enhancements to the ROP baseline inspection program and the inspection finding screening process for greater efficiency and effectiveness, as directed by the ADVANCE Act, EO 14300, and as described in SECY-25-0045. On March 25, 2026, SRM-SECY-26-0014, "Staff Requirements – SECY-26-0014 – Recommendations to Revise the Reactor Oversight Process Baseline Inspection Program" (ML26084A403) was issued. Among other things, the Commission approved staff-recommended revisions to the ROP; retained the Problem Identification and Resolution team inspection with a triennial, smaller-team focus; shifted the engineering inspection to a triennial 175-hour program; and directed the implementation of broader training and assessment measures to ensure effective oversight.

On February 6, 2026, the NRC staff submitted to the Commission SECY-26-0015, "Recommendations for Revising the Security Baseline Inspection Program Including the Force-On-Force Inspection Program" (ML25279A192). SECY-26-0015 sought Commission approval to pursue key revisions to the NRC security baseline inspection program, including the Force-on-Force (FOF) inspection program, based on stakeholder feedback and consistent with the goals established by EO 14300. This paper provided the staff's recommendation for modifying the security inspection program to improve efficiency and effectiveness and reduce unnecessary regulatory burden. The paper also presented to the Commission notification items related to the FOF inspection program, including staff actions to implement a scoring methodology that bounds the complexity of exercise scenarios and to modify performance testing of tactics that are impractical to simulate and may lead to unfair engagement opportunities. Following the conclusion of the reporting period, on April 2, 2026, SRM-SECY-26-0015, "Staff Requirements – SECY-26-0015 – Recommendations for Revising the Security

Baseline Inspection Program Including the Force-on-Force Inspection Program" (ML26092A381), was issued. The Commission approved staff-recommended revisions to the NRC's security baseline and FOF inspection programs—adjusting inspection procedures, frequencies, and roles—while directing staff to ensure a smooth transition to observing licensee-conducted exercises and to assess the NRC's ability to transition cybersecurity inspection capabilities in-house by 2029.

Following the revision to the ROP Baseline Inspection Program, the staff plans to assess the Performance Indicator Program. The NRC will engage external stakeholders in this effort during upcoming ROP bimonthly public meetings.

Completed for Q2 FY 2026

ROP Activities	Projected Completion Date	Completion Date
Reduce documentation of Green and severity level IV non-cited violations, which will involve revisions to the Reactor Program System.	01/31/26	Discontinued[36]
Submit a SECY paper to the Commission on proposed revisions to the ROP baseline inspection program.	01/31/26	02/06/26[37]
Submit a SECY paper to the Commission with recommendations and planned enhancements for baseline security inspection program, to include the FOF inspection program, as required by Section 507 of the ADVANCE Act.	02/27/26	02/03/26
Issue Annual Assessment Letters	03/13/26	03/13/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected ROP Activities	Projected Completion Date
Issue CY25 ROP Self-Assessment Metrics report.	04/30/26[38]
Issue the revised Inspection Procedures and interim Inspection Manual Chapter guidance to support the revised ROP Baseline Inspection. Program.	05/29/26[39]

[36] The staff has pivoted away from pursuing this activity because implementing the revised more-than-minor issue screening criteria is expected to result in the documentation of less findings. Because fewer findings will be documented, the staff felt it important to maintain fulsome documentation for transparency in understanding how the staff arrives at findings.
[37] The completion date for this activity was delayed due to the government shutdown, and to coordinate timing to submit the recommendations for ROP revisions and security revisions to the Commission concurrently.
[38] The projected completion date for this activity was extended from March 13, 2026, to April 30, 2026, due to the government shutdown and to account for pending Commission direction on recently submitted SECY papers.
[39] The projected completion date for this activity was extended from April 30, 2026, to May 29, 2026, due to the government shutdown and to account for pending Commission direction on recently submitted SECY papers.

Revise the More-than-minor criteria for documenting very low safety significance issues (Green).	06/30/26[40]
Review and revise traditional enforcement inspection procedures for potential consolidation into other existing inspection procedures.	06/30/26
Implement the revised ROP Baseline Inspection Program.	07/01/26

2-9 Fusion

The NRC is developing regulations and guidance to support licensing activities for fusion machines. 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 approval. The staff subsequently incorporated conforming changes to the proposed rule due to the ADVANCE Act. On February 26, 2026, the proposed rule, "Regulatory Framework for Fusion Machines," (3150-AL00; NRC-2023-0071) and draft licensing guidance (Draft NUREG-1556, Vol. 22) were published with a 90-day public comment period (91 FR 9476).

The NRC, in consultation with the Agreement States, finalized a set of milestone indicators of industry readiness for establishing a licensing framework for scaled fusion machine production, deployment, and operation.[41] These milestones and associated follow-up actions are incorporated into a new revision of "Vision and Strategy: Regulating Fusion Machines Across the National Materials Program" (ML25344A070) that was issued in Q2 FY 2026. The NRC will implement this monitoring plan in coordination with the Agreement States through various forums, including National Materials Program periodic meetings and the Standing Committee for Fusion Machine Oversight (ML25183A025). Other updates to the NRC's "Vision and Strategy" document include a section discussing the NRC's implementation of Section 205 of the ADVANCE Act, and updated lists of planned and completed fusion actions.

Further, the NRC continues to incorporate fusion technology into its existing technical training program for both NRC and Agreement State staff. On December 22, 2025, the NRC launched a self-guided training course, available to NRC and Agreement State staff, that introduces the basic science, physics, and technology associated with fusion machines. The NRC is working to develop a second self-study training course that will familiarize technical staff with the leading commercial fusion machine designs and their associated engineering concepts and hazards. These training courses will help ensure technical readiness of NRC and Agreement State staff to license and inspect fusion machines while the industry works toward commercial deployment.

Completed Activities Planned for Q2 FY 2026

Fusion Activities	Projected Completion Date	Completion Date
Issue a revision of "Vision and Strategy: Regulating Fusion Machines Across the National Materials Program" that incorporates lessons learned from the	01/30/26	01/07/26

[40] The projected completion date for this activity was extended from January 31, 2026, to June 30, 2026, to support finalizing and issuing the documents.

[41] Section 205(c)(2) of the ADVANCE Act required the NRC to complete a study of internal and external design certification processes that may be leveraged in the development of a licensing framework for scaled fusion machine production, deployment, and operation. The NRC provided a final report to Congress summarizing the study on July 10, 2025 (ML25120A080). A key takeaway from the study is that the NRC will monitor industry progress to determine the appropriate time to develop additional regulations and guidance to support the licensing of mass-manufactured fusion machines.

NRC's study performed in response to Section 205(c) of the ADVANCE Act.		
Develop a fusion industry monitoring and action plan to inform the NRC's timing to develop regulations or guidance to support the licensing of mass-manufactured fusion machines.	01/30/26	01/07/26
Publish the proposed rule, "Regulatory Framework for Fusion Machines" for public comment.[42]	02/27/2026	02/26/26
Issue a Congressional report entitled, "All Planned NRC Rulemaking Activities Related to Fusion Machines."[43]	03/24/2026	03/23/26

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Fusion Activities	Projected Completion Date
Release a second web-based fusion training course to NRC and Agreement State staff covering leading commercial fusion machine designs, engineering concepts, and hazards.	06/30/26

2-10 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, Revision 1, "Backfitting Guidelines," 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.[44] On January 20, 2026, the NRC published a notice of interpretation in the *Federal Register* to clarify the applicability of the NRC's backfitting regulations to commercial non-power production or utilization facilities (91 FR 2287).

Completed Activities for Q2 FY 2026

Backfit Activities	Projected Completion Date	Completion Date
Publish notice of interpretation to clarify the applicability of the NRC's backfitting regulations to commercial non-power production or utilization facilities.	01/31/26	01/20/26

[42]This activity was not included in the previous report because of the uncertainty of the timing to complete the review process under Executive Order 12866, "Regulatory Planning and Review," in coordination with the Office of Management and Budget's Office of Information and Regulatory Affairs.

[43]The explanatory statement accompanying the Commerce, Justice, Science; Energy and Water Development; and Interior and Environment Appropriations Act, 2026, required the NRC to submit this report within 60 days. Therefore, this activity was not included in the previous report. (ML26055A334).

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

Planned Activities for the Next Two Reporting Periods (Q3 and Q4 FY 2026)

Projected Backfit Activities	Projected Completion Date
Publish proposed rule that includes updates to the backfitting regulations (3150-AL45).	06/26/26

Backfit Challenges

The agency did not receive any backfit appeals or written concerns during this reporting period.

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.[45]

Location	Number of Findings	CY 2023	CY 2024	CY 2025	CY 2026
Nationally	**Total**	466	489	299	62
Region I	Green	88	96	56	8
	White	1	1	3	0
	Yellow	0	0	0	0
	Red	0	0	0	0
	Greater-Than-Green (GTG) Security	0	1	0	0
	Total	**89**	**98**	**59**	**8**
	No. of Units Operating During CY	20	20	20	20
Region II	Green	135	130	91	13
	White	3	3	1	1
	Yellow	0	0	0	0
	Red	0	0	0	0
	GTG Security	5	0	0	0
	Total	**143**	**133**	**92**	**14**
	No. of Units Operating During CY	34	35[46]	35	35
Region III	Green	103	105	71	24
	White	0	0	0	0
	Yellow	0	0	0	0
	Red	0	0	0	0
	GTG Security	0	0	0	0
	Total	**103**	**105**	**71**	**24**
	No. of Units Operating During CY	21	21	22[47]	22
Region IV	Green	126	149	75	16
	White	5	0	2	0
	Yellow	0	0	0	0
	Red	0	0	0	0
	GTG Security	0	0	0	0
	Total	**131**	**149**	**77**	**16**
	No. of Units Operating During CY	18	18	18	18

[45]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.
[46]The increase of one unit for CY 2024 reflects Vogtle Unit 4 entering the ROP on July 28, 2023.
[47]The increase of one unit for CY 2025 reflects the startup of Palisades on August 25, 2025.

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[48]	Percentage of Licensing Actions Completed Prior to the NEIMA Milestone Schedule	Percentage of Licensing Actions Completed Prior to the Established Schedule[49]
Q3 FY 2025	173	70	54	100%	96.3%
Q4 FY 2025	119	39	91	100%	95.6%
Q1 FY 2026	148	61	36	100%	76.5%[50]
Q2 FY 2026	124	61	87	100%[51]	77.5%[52]
Subsets of Licensing Actions for Q2 FY 2026					
Exemptions	45	27	16	100%	81.25%
Relief Requests	60	29	65	100%	76.9%%
License Transfers	6	4	0	N/A	N/A
Plant-specific Topical Reviews	7	0	0	N/A	N/A
Other Licensing Actions	6	1	6	100%	0%

[48]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.
[49]The "established schedule" is the schedule communicated to the licensee and made publicly available at the completion of the acceptance review.
[50]The lower-than-average percentage was a direct impact of the 43-day government shutdown during this reporting period.
[51]In Q2 FY 2026, 2 licensing action reviews exceeded the NRC's new 12-month NEIMA Milestone Schedule that became effective on May 23, 2025. However, both reviews were completed within the prior 24-month Generic Milestone Schedule that was in effect when the requests were accepted for review. Although most schedules for reviews that were accepted prior to the effective date of the NEIMA Milestone Schedule were revised to meet the 12-month goal, several will require more than 12 months to complete.
[52]In Q2 FY 2026,3 other licensing reviews, containing 6 licensing actions, were identified as exceeding the established schedule. The SERs for these reviews were completed on time, however due to the government shutdown issuance of the final licensing action was delayed and exceeded the established schedule.

New Reactors

Reporting Period	Total Inventory	Licensing Actions Initiated During the Reporting Period	Licensing Actions Completed During the Reporting Period[53]	Percentage of Licensing Actions Completed Prior to the NEIMA Milestone Schedule	Percentage of Licensing Actions Completed Prior to the Established Schedule
Q3 FY 2025	2	1	1	100%	100%
Q4 FY 2025	4	2	0	N/A	N/A
Q1 FY 2026	3	0	1	100%	100%
Q2 FY 2026	5	2	0	N/A	N/A
Subsets of Licensing Actions for Q2 FY 2026					
Exemptions	0	0	0	N/A	N/A
Relief Requests	0	0	0	N/A	N/A
License Transfers	0	0	0	N/A	N/A
Plant-specific Topical Reviews	0	0	0	N/A	N/A
Other Licensing Actions	5[54]	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 NEIMA Milestone Schedule	Percentage of Licensing Actions Completed Prior to the Established Schedule
Q3 FY 2025	2	1	3	100%	66.7%[55]
Q4 FY 2025	1	2	3	100%	100%
Q1 FY 2026	1	0	0	N/A	N/A
Q2 FY 2026	2	0	1	100%	100%
Subsets of Licensing Actions for Q2 FY 2026					
Exemptions	0	0	0	N/A	N/A
Relief Requests	0	0	0	N/A	N/A

[53]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.
[54]Includes new reactor licensing applications, such as construction permit applications, early site permit applications, and combined license applications.
[55]One fuel cycle licensing action was completed 3 days after the established schedule due to pressing workload.

License Transfers	0	0	0	N/A	N/A
Plant-specific Topical Reviews	0	0	0	N/A	N/A
Other Licensing Actions	1	0	1	100%	100%

3-3 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). "LARs Submitted During the Reporting Period" are the number of LARs (regardless of acceptance) that are received by the NRC during the reporting period.

Operating Reactors

Reporting Period	Total Inventory	LARs Submitted During the Reporting Period	LAR Reviews Completed During the Reporting Period[56]	Percentage of LAR Reviews Completed Prior to the NEIMA Milestone Schedule	Percentage of LAR Reviews Completed Prior to the Established Schedule[57]
Q3 FY 2025	216	52	72	100%	87.5%
Q4 FY 2025	192	98	111	100%	94.6%
Q1 FY 2026	256	100	41	100%[58]	90.0%

[56]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.

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

[58]In Q1 FY 2026, two license amendment reviews exceeded the NRC's new 12-month NEIMA Milestone Schedule that became effective on May 23, 2025. However, both reviews were completed within the prior 24-month Generic Milestone Schedule that was in effect when the requests were accepted for review. Although most schedules for reviews that were accepted prior to the effective date of the NEIMA Milestone Schedule were revised to meet the 12-month goal, several will require more than 12 months to complete.

Q2 FY 2026	278	145	124	98.4%[59]	60.5%[60]

New Reactors (No activities to report for this Quarter)

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 NEIMA Milestone Schedule	Percentage of LAR Reviews Completed Prior to the Established Schedule
Q3 FY 2025	0	0	0	N/A	N/A
Q4 FY 2025	0	0	0	N/A	N/A
Q1 FY 2026	0	0	0	N/A	N/A
Q2 FY 2026	0	0	0	N/A	N/A

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 NEIMA Milestone Schedule	Percentage of LAR Reviews Completed Prior to the Established Schedule
Q3 FY 2025	6	3	7	100%	100%
Q4 FY 2025	11	6	1	100%	100%
Q1 FY 2026	9	0	2	100%	50%[61]
Q2 FY 2026	10	8	5	100%	60%[62]

[59] In Q2 FY2026, six license amendment reviews exceeded the NRC's new 12-month NEIMA Milestone Schedule, which became effective on May 23, 2025. However, all six reviews were completed within the prior 24-month Generic Milestone Schedule that was in effect when the requests were accepted for review. Although most schedules for reviews that were accepted prior to the effective date of the NEIMA Milestone Schedule were revised to meet the 12-month goal, several will require more than 12 months to complete. One review of a complex LAR exceeded the 2-year date for issuance of a final SE set in the NRC's generic milestone schedule. As required by Section 102(c)(3) of NEIMA, the NRC submitted a report regarding the LAR to the House Committee on Energy and Commerce and the Senate Committee on Environment and Public Works on April 17, 2025 (ML25042A433 and ML25042A409, respectively).

[60] In Q2 FY2026, the majority of licensing amendments that exceeded the established schedule did so by only a few days. Of the 49 total license amendments that exceeded the established schedule, only 6 exceeded the 110% threshold described in the Congressional Budget Justification metric 1.1.1.

[61] One of the LARs exceeded the established schedule by eight months due to higher priority licensing actions. This extension was communicated and agreed to by the licensee.

[62] The completion of two licensing actions was impacted by the federal government shutdown.

3-4 Research Activities[63]

Summary of New Research Projects

During the reporting period, the Office of Nuclear Regulatory Research (RES) initiated research on the following project:

Title UNR-NMSS-2026-008 - Evaluation and Development of NRC's SCALE and MELCOR Codes to Ensure Technical Readiness for Independent Safety Reviews and Analyses of Fusion Machine Designs	
Importance to the NRC Mission	The ADVANCE Act of 2024 directs the NRC to modernize its regulatory framework and technical infrastructure to accommodate advanced nuclear technologies, including fusion. This work supports that mandate by ensuring that NRC-developed codes are capable of analyzing the unique physical phenomena associated with fusion machines.
Planned Activities:	This work is limited to the assessment, validation, development, and demonstration of the NRC's SCALE and MELCOR computer codes to support safety evaluations of fusion machines. Activities include: (1) evaluating the applicability of existing code capabilities to fusion-specific phenomena; (2) identifying and addressing gaps in nuclear data, physical models, and performance; (3) executing validation benchmarks using available experimental data; (4) developing and integrating new models and enhancements to the codes to support fusion-relevant analyses; and (5) developing public workshops to demonstrate the codes' capabilities.
Requesting Business Line	1A Advanced Reactors
Estimated Completion	9/29/2028
Estimate of Total Research Resources	0.5 FTE and $1,950K

[63]This section provides information about projects that were started or completed during the reporting period that exceeded two 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.

Summary of Completed Research Projects[64]

Title UNR-NSIR-2021-002 - Radiological Assessment System for Consequence Analysis (RASCAL)	
Importance to the NRC Mission	The RASCAL computer code supports the NRC's mission by providing rapid, independent, and technically robust radiological consequence assessments that inform protective action decisions during nuclear incidents. This capability directly aligns with the NRC's mission statement by helping enable the safe and secure use and deployment of civilian nuclear energy technologies and radioactive materials through efficient and reliable oversight and decision support for the benefit of society and the environment.
Research Results or Findings:	The findings indicate that RES effectively advanced the RASCAL program by producing updated software releases, technical documentation, and modernized code structures that enhanced the model's accuracy, maintainability, and operational reliability. Results also show that sustained interoffice coordination, continuous user support, and targeted interface improvements contributed to strengthening RASCAL's alignment with evolving technical needs and stakeholder expectations. Collectively, these outcomes demonstrate measurable progress in ensuring RASCAL remains a robust and responsive technical tool for agency use.
Duration of the Project)	5 years (2/10/2021 to 2/5/2026)
Estimate of Total Research Resources	5 FTE and $2,059K

UNR-NRR-2022-002 Molten Salt Reactor Materials and Fuel Performance	
Importance to the NRC Mission	The Division of Advanced Reactors and Non-Power Production and Utilization Facilities in the NRC's Office of Nuclear Reactor Regulation (NRR) conducts various activities with regard to advanced reactors, including reviewing submittals, such as white papers, topical reports, and license applications to evaluate the implementation of NRC regulations and guidance. Research activities support these various pre-application and licensing activities in support of the various molten salt reactor technologies, which include the use of both fluoride and chloride salts. Molten salt reactors, particularly the fluid-fueled types, pose unique challenges with regards to materials, fuel performance, and radionuclide management. Compatibility of materials with molten salt coolants is one of the more unique aspects of molten salt reactor design. The work products developed aim to provide the necessary information and tools needed for NRC to review technical submittals related to molten salt reactor technologies.
Research Results or Findings:	RES issued the following reports regarding materials and salt compatibility, salt fuel performance, off-gas monitoring and management, and molten salt chlorides: • TLR-RES/DE/REB-2023-04. "Evaluating Static Isothermal Molten Salt Compatibility with Structural Alloys," ML23129A786 (Report).

[64]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.

	• TLR–RES/DE/REB-2024-02. “Preliminary Assessment of Models for Generating Predictions of Long-Term Corrosion in Molten Salts,” ML24096A172 (Report). • TLR-RES/DE/REB-2025-04. “Electrochemical Monitoring for Molten Salt Reactors: Status Review,” ML25080A225 (Report). • TLR-RES/DE/REB-2024-09. “Effect of Fission Products on Degradation of Structural Materials in Molten Salt Reactors,” ML24178A348 (Report). • TLR-RES/DE/REB-2025-01. Technical Assessment of Off-Gas System Technologies for Potential Use in Molten Salt Reactors,” ML25002A104 (Report). • TLR-RES/DE/REB-2026-01, “Properties of Molten Chloride Salts and Modeling/Simulation Methods for Corrosion,” ML26006A159 (Report).
Duration of the Project)	3 years
Estimate of Total Research Resources	3.6 FTE and $1,050K

UNR-NMSS-2024-002 Regulatory Research in Support of Material Control and Accounting for Advanced Reactors	
Importance to the NRC Mission	Safeguards and security plans for the advanced reactor fleet are currently in the process of development due to their novel designs and fuel types. A major part of domestic safeguards is Materials Control and Accounting (MC&A). Advanced reactors are expected to have more complex MC&A controls, with measurement uncertainties being important to include during analysis. Modeling and simulation (M&S) can help to identify the best MC&A practices for a nuclear facility in a cost-effective, risk-informed way. This work addresses the technical considerations of measurement uncertainties and their implications and provides an assessment of data-driven and data-informed models that demonstrate how M&S can be used to quantify uncertainty in MC&A measurements and prepare the NRC staff to verify and validate M&S technologies.
Research Results or Findings:	RES issued the following reports regarding MC&A for advanced reactors: • TLR-RES/DE/REB-2025-05, “Modeling and Simulation Supporting Material Control and Accounting for Advanced Reactors” (ML25078A020) • TLR-RES/DE/REB-2025-16, “Depletion Analysis of a Generic Fast Spectrum Molten Salt Reactor Supporting Material Control and Accounting” (ML25233A073) • TLR-RES/DE/REB-2026-03, “Technical Considerations Regarding Probable Approaches and Instrumentation to Liquid Fuel Molten Salt Reactor Material Control and Accounting” (ML26021A174)
Duration of the Project)	3 years
Estimate of Total	1.9 FTE and $670K

Research Resources	

UNR-NMSS-2024-001 Regulatory Research in Support of Licensing and Certification Activities for Advanced Non-Light Water Reactor Fuel Cycles	
Importance to the NRC Mission	These research activities support the Office of Nuclear Material Safety and Safeguards (NMSS) in the licensing and certification activities related to fuel cycle facilities, transportation, and spent fuel management of advanced non-light water reactor (ANLWR) fuels. The research activities are important to (1) assist NMSS in understanding the state-of-knowledge on applicable operating experience, and technical and regulatory considerations to support pre-application engagements and near-term licensing/certification actions, (2) support NRC's knowledge management efforts intended to drive efficient and effective safety reviews, (3) ensure NMSS readiness to review near-term licensing/certification actions; and (4) provide recommendations to update the current regulatory framework to make licensing of ANLWR fuel cycle activities more effective and efficient; for example, the need to update regulatory guidance and staff review plans.
Research Results or Findings:	RES issued the following technical letter reports to make licensing of ANLWR fuel cycle activities more effective and efficient: • TLR-RES/DE/REB-2025-13, "Technical Assessment of Molten Salt Reactor Fuel Salt Waste Processing" (ML25204A067). • TLR-RES/DE/REB-2025-15, "Chemical Process Safety at TRISO-Based, Metal-Based, and Salt-Based Fuel Fabrication Facilities: Technical Assessment and Regulatory Guidance Assessment" (ML25230A132) • TLR-RES/DE/REB-2025-17, "Technical Assessment of Storage Options for Molten Salt Reactor Waste" (ML25241A320) • TLR-RES/DE/REB-2026-02, "Technical Assessment of Chloride Molten Salt Reactor Waste" (ML26007A180) RES staff, with contractor support, and in coordination with the DOE Office of Nuclear Energy and EPRI, organized a workshop focused on research on technical and regulatory considerations for spent fuel management pertaining to new fuels, which identified opportunities for efficiency and regulatory preparedness, for guidance and rulemaking. • RIL-2025-04, "Proceedings of the 2024 Workshop on Storage and Transportation of TRISO and Metal Spent Nuclear Fuels," March 2025 (ML25083A036).
Duration of the Project:	4 years
Estimate of Total Research Resources	4.8 FTE and $2,120K

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.[65]

Fee Class	New Reactors	FY 2026 Part 170 Receipts Estimated – Proposed Fee Rule ($M)[66]	Part 170 Billed in Q2 FY 2026 ($M)	Total Part 170 – Billed in FY 2026 ($M)
Operating Power Reactors (Total)		$158.7	$31.1	$72.6[67]
Operating Power Reactors	Combined Licenses	$0.3	$0.1	$0.1
	Design Certifications and Standard Design Approvals	$0.0	$0.0	$0.0
	Early Site Permits	$1.0	$0.0	$0.0
	Construction Permits and Operating Licenses	$8.1	$3.1	$7.3
Fuel Facilities		$9.6	$2.5	$5.1[68]
Non-Power Production or Utilization Facilities		$2.6	$0.2	$0.4
Generic Decommissioning		$1.6	$0.2	$1.0
Spent Fuel Storage/Reactor Decommissioning		$11.0	$1.6	$4.3[69]
Materials Users[70]		$0.9	$0.6	$0.8
Rare Earth		$0.0	$0.0	$0.0
Transportation		$3.0	$0.6	$1.6[71]
Uranium Recovery		$2.0	$0.2	$0.5

Significant Ongoing Pre-Application Activities and Licensing Actions

The following table includes a comparison of the fees billed to projected resources for initial and subsequent license renewals; power uprates; reactor restarts; new fuel facility license applications; construction permits and operating licenses for new reactors; design certifications and standard design approvals for new reactors; early site permits for new reactors; combined licenses for new reactors; and significant pre-application activities, which for the purposes of this table includes only topical report reviews.

[65]The FY 2026 Proposed Fee Rule estimated collections are being used until the FY 2026 Final Fee Rule is published. The FY 2026 Proposed Fee Rule was published in the *Federal Register* on March 12, 2026 (91 FR 12084).
[66]The New Reactors subset is not itemized in the FY 2026 Proposed Fee Rule. The NRC fee estimates system is the source of the New Reactors Part 170 Receipts Estimated.
[67]Total Part 170 – Billed in FY 2026 ($M) for Operating Power Reactors (Total) reflects an update. Specifically, Q1 is reported as $41.525M instead of $40.464M in the previous report.
[68]Total Part 170 – Billed in FY 2026 ($M) for Fuel Facilities may not add due to rounding: $2.540M reported in Q1 plus $2.520M in Q2 totals $5.060M.
[69]Total Part 170 – Billed in FY 2026 ($M) for Spent Fuel Storage/Reactor Decommissioning reflects an update. Specifically, Q1 is reported as $2.710M instead of $3.770M in the previous report.
[70]Materials Users – Billed as flat fee applications and included in the estimates and billed.
[71]Total Part 170 – Billed in FY 2026 ($M) for Transportation may not add due to rounding: $0.909M reported in Q1 plus $0.644M in Q2 totals $1.553M.

Docket	Project Name	Projected Resources ($M)[72]	Fees Billed to Date ($M)[73]
St. Lucie Units 1 and 2 - 05000335/05000389	St. Lucie Units 1 and 2 Subsequent License Renewal Application — Safety Review	$5.0	$4.2
St. Lucie Units 1 and 2 - 05000335/05000389	St. Lucie Units 1 and 2 Subsequent License Renewal Application — Environmental Review	$1.4	$1.0
Kemmerer Unit 1 - 05000613	Kemmerer Unit 1 Construction Permit Application – Safety and Environmental Reviews	$13.0	$8.9
Long Mott Generating Station 05000614	Long Mott Generating Station Construction Permit Application – Safety and Environmental Reviews	$10.4	$2.9
President Donald J. Trump Advanced Energy & Intelligence Campus 1 - 05200051/05200052/05200053/ 05200054	Fermi America Project Matador COL Application – Safety and Environmental Reviews	$21.0	$0.13
Clinch River Nuclear Unit 1 - 05000615	Clinch River Nuclear Unit 1 Construction Permit Application – Safety and Environmental Reviews	$9.35	$2.3
H.B. Robinson Unit 2 – 05000261	Robinson - Subsequent License Renewal Application — Safety Review	$2.5	$1.9
H.B. Robinson Unit 2 – 05000261	Robinson Subsequent License Renewal Application — Environmental Review	$1.5	$0.5
Dresden Units 2 and 3 - 05000237/05000249	Dresden Units 2 and 3 Subsequent License Renewal Application — Safety Review	$2.4	$2.1
Dresden Units 2 and 3 - 05000237/05000249	Dresden Units 2 and 3 Subsequent License Renewal Application — Environmental Review	$1.8	$1.4
Diablo Canyon Units 1 and 2 - 05000275/05000323	Diablo Canyon Units 1 and 2 License Renewal Application — Environmental Review	$2.0	$1.6
Diablo Canyon Units 1 and 2 - 05000275/05000323	Diablo Canyon Units 1 and 2 License Renewal Application — Safety Review	$3.2	$2.5

[72]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.

[73]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 2025.

Docket	Project Name	Projected Resources ($M)[72]	Fees Billed to Date ($M)[73]
Clinton Unit 1 -05000461	Clinton Unit 1 License Renewal Application — Environmental Review	$1.9	$1.4
Clinton Unit 1 -05000461	Clinton Unit 1 License Renewal Application — Safety Review	$3.5	$2.1
Palisades - 05000255/99902112	Palisades Restart —Safety and Environmental Review	$5.6	$4.07
Crane Clean Energy Center[74] - 05000289	Crane Clean Energy Center Restart — Safety and Environmental Review	$3.8[75]	$1.31
Duane Arnold Energy Center - 05000331	Duane Arnold Energy Center Restart — Safety and Environmental Review	$3.8[76]	$0.06
TRISO-X LLC 07007027	TRISO-X Fuel Fabrication Facility – Safety and Environmental Reviews	$7.4	$5.1
Global Laser Enrichment, LLC 07007033	Paducah Laser Enrichment Facility – Safety and Environmental Reviews	$4.1	$0.07
Aalo Holdings Inc 99902128	Quality Assurance Program Topical Report	$0.07	$0.02
Kairos Power LLC - 99902069	Core Design Methodology Topical Report	$0.44	$0.37
Kairos Power LLC - 99902069	Hermes Safety Analysis Methods Topical Report	$0.35	$0.36
Kairos Power LLC – 05000611/05000612/05007513	Operator Training and Testing Program for the Kairos Power Fluoride Salt-Cooled High-Temperature Test Reactors Topical Report	$0.07	$0.03
SMR, LLC (Holtec) SMR-300 – 99902049	SMR, LLC (Holtec) SMR 300 Radiological Consequences Methodology Topical Report Review	$0.07	$0.03

[74]On May 13, 2025, the NRC staff issued an amendment approving the name change from Three Mile Island Nuclear Station, Unit 1, to the Christopher M. Crane Clean Energy Center (ML25100A006).

[75]Projected resources will be updated as Constellation submits the remaining requests in the series of requests for licensing actions outlined in the "Regulatory Path to Potential Reauthorization of Power Operations" (ML24310A104). Projected resources included in the table are for requests for licensing actions received prior to the end of the reporting period.

[76]Projected resources will be updated as NextEra submits the remaining requests in the series of requests for licensing actions outlined in the "Duane Arnold Energy Center: Regulatory Path to Potential Reauthorization of Power Operations" (ML25023A265). Projected resources included in the table are for requests for licensing actions received prior to the end of the reporting period.

Docket	Project Name	Projected Resources ($M)[72]	Fees Billed to Date ($M)[73]
Oklo - 99902095	Product Based Operator Licensing Topical Report	$0.13	$0.05
Oklo – 99902095	Principal Design Criteria Topical Report	$0.05	$0.01
Project Long Mott - 99902117	Quality Assurance Program Description Topical Report	$0.06	$0.03
TerraPower - 99902100	Reactor Seismic Isolation System Qualification Topical Report	$0.19	$0.14
Terrestrial Energy USA, Inc. - 99902076	Principal Design Criteria Topical Report	$0.23	$0.27
Terrestrial Energy USA, Inc. - 99902076	Postulated Initiating Events Topical Report	$0.11	$0.04
Westinghouse eVinci Micro Reactor - 99902079	TRISO Fuel Design Methodology Topical Report	$0.25	$0.21
Westinghouse eVinci Microreactor - 99902079	Advanced Logic System v2 Platform Elimination of Technical Specification Surveillance Requirements Topical Report	$0.18	$0.22
Westinghouse eVinci Microreactor - 99902079	Nuclear Design Criteria Topical Report	$0.12	$0.16
X-energy LLC - 99902071	Graphite Core Assembly Material Qualification and Design Methodologies Topical Report	$0.42	$0.35
X-energy LLC - 99902071	Training Programs Methodology Topical Report	$0.08	$0.04
X-energy LLC - 99902071	Reactor Core Analysis and Methods Topical Report	$0.12	$0.11
X-energy LLC - 99902071	Transient and Safety Analysis Methodology Topical Report	$0.11	$0.12
X-energy LLC - 99902071	Mechanistic Source Term Approach Topical Report	$0.12	$0.11
X-energy LLC - 99902071	GOTHIC and Flownex Analysis Code Qualification Topical Report	$0.20	$0.23

Docket	Project Name	Projected Resources ($M)[72]	Fees Billed to Date ($M)[73]
X-energy LLC - 99902071	Plume Exposure Pathway Emergency Planning Zone Sizing Methodology	$0.18	$0.15
XENITH Microreactor - 99902118	Principal Design Criteria Topical Report	$0.14	$0.16
XENITH Microreactor - 99902118	Analytical Methods Topical Report	$0.19	$0.14
Energy Northwest - 99902130	Quality Assurance Program Description Topical Report	$0.06	$0.06

3-6 Requests for Additional Information (RAIs) and Requests for Confirmatory Information (RCIs)

The table below provides information on RAIs, including RCIs, 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. An RCI is a type of RAI where the response is expected to be limited to providing confirmation, on the docket, of staff-identified information related to the requested activity. While Section 102(c) of NEIMA applies to licensing actions accepted after July 13, 2019, the RAI data also includes licensing actions accepted prior to July 13, 2019, to provide a complete inventory.

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[77]	
	All[78]	RCIs	All	RCIs	All	RCIs	All	RCIs
Operating Reactors	43	4	41	6	26	3	132	20
Non-Power Production and Utilization Facilities[79]	126	0	4	0	0	0	0	0

[77]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.

[78]The "All" columns include data on all RAIs, including RCIs. The "RCIs" columns include data on the subset of RCIs.

[79]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 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities."

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[77]	
	All[78]	RCIs	All	RCIs	All	RCIs	All	RCIs
Design Certifications and Standard Design Approvals for New Reactors[80]	0	0	0	0	0	0	0	0
Early Site Permits for New Reactors[81]	0	0	0	0	0	0	0	0
Combined Licenses for New Reactors	0	0	0	0	0	0	0	0
Construction Permits for New Reactors or Non-Power Production and Utilization Facilities	3	0	0	0	2	0	0	0
Fuel Facilities	57	0	15	0	0	0	249	0
Power Reactor Decommissioning	8	0	8	0	0	0	6	0
Research and Test Reactor Decommissioning	0	0	0	0	0	0	0	0
Spent Fuel	91	0	3	0	9	0	13	0
Materials	0	0	0	0	0	0	0	0
Pre-Application Activities for Advanced Reactors	0	0	0	0	0	0	0	0

[80]No design certification applications or standard design approval 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.
[81]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.

3-7 Workforce Development and Management

FY 2026 Staffing by Office[82]

	FY 2026 Budget[83]	FTE Utilization 12/28/25-01/24/26	FTE Utilization 01/25/26-02/21/26	FTE Utilization 02/22/26-03/21/26	FTE Utilization as of 03/21/26	Delta (Q2 FTE) Utilization – FY 2026 Budget)	End of Year (EOY) Projection w/ Personnel Actions	Delta (EOY Utilization – FY 2026 Budget)
Totals	2,802.0	184.3	181.3	182.8	1,162.3	-1,639.7	2,281.8	-520.2
COMM	42.0	1.5	2.1	2.1	10.5	-31.5	19.3	-22.7
OIG	68.0	3.3	3.3	3.3	20.7	-47.3	42.1	-25.9
Totals Other Offices	2,692.0	179.4	175.9	177.3	1,131.2	-1,560.8	2,220.4	-471.6
ACRS	23.7	1.3	1.5	1.4	8.8	-14.9	15.7	-8.0
ADM	116.0	7.5	7.4	7.4	46.9	-69.1	90.8	-25.2
ASLBP	24.7	1.6	1.6	1.6	9.5	-15.2	19.0	-5.7
NMSS	313.4	21.3	21.0	20.9	136.3	-177.1	265.1	-48.3
NRR	521.7	35.8	35.9	36.3	226.1	-295.6	434.8	-86.9
NSIR	160.5	10.0	9.9	9.9	63.7	-96.8	127.6	-32.9
OCA	10.0	0.8	0.9	0.8	5.0	-5.0	9.9	-0.1
OCAA	7.0	0.4	0.4	0.4	2.6	-4.4	3.5	-3.5
OCFO	91.0	5.7	5.6	5.7	35.5	-55.5	74.4	-16.6
OCHCO	142.0	10.0	8.7	8.3	59.6	-82.4	131.6	-10.4
OCIO	166.4	11.3	11.2	11.1	70.6	-95.8	135.2	-31.2
OE	27.3	1.8	1.9	1.6	10.8	-16.5	22.1	-5.2
OEDO	25.7	1.5	1.3	1.4	8.2	-17.5	15.3	-10.4
OGC	94.1	6.3	6.0	5.9	39.0	-55.1	75.0	-19.1
OI	34.0	2.4	2.3	2.3	15.5	-18.5	33.4	-0.6
OIP	37.8	2.3	2.2	2.3	14.2	-23.6	29.5	-8.3
OPA	15.0	0.9	0.8	0.9	5.4	-9.6	10.9	-4.1
RES	177.3	10.9	10.5	12.6	72.3	-105.0	143.3	-34.0
RI	153.8	10.8	10.5	10.5	69.6	-84.2	142.6	-11.2
RII	192.7	13.1	12.7	12.8	83.6	-109.1	156.5	-36.2
RIII	164.6	11.1	11.1	11.2	69.7	-94.9	134.5	-30.1
RIV	161.3	10.9	10.5	10.3	66.6	-94.7	126.8	-34.5
SBCR	15.0	0.7	0.7	0.7	4.7	-10.3	9.1	-5.9
SECY	17.0	1.0	1.0	1.0	6.7	-10.3	13.7	-3.3

[82] Numbers might not add exactly due to rounding.

[83] The values in the FY 2026 Budget column reflect an update from the previous report. This table reflects the enactment of the Commerce, Justice, Science; Energy and Water Development; and Interior and Environment Appropriations Act, 2026.

3-8 Inspection Activities

The table below shows the average number of hours of direct inspection per plant in CY 2026. 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
319 Hours	312 Hours	293 Hours[84]	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 2025 (Hours)	CY 2026 (Hours)
i.	Baseline Inspection	184,433	38,564
ii.	Plant-Specific Inspection	8,416	608
iii.	Generic Safety Issue Inspections	15	0
iv.	Performance Assessment	2,461	1,512
v.	Other Activities	84,145	19,556
vi.	Total Staff Effort	279,469	60,240
vii.	Total Staff Effort Per Operating Site	5,081	1,076

[84]South Texas Project Electric Generating Station, Unit 2 moved to Column 2 in Q1 FY 2025 (ML25007A210). Waterford Steam Electric Station, Unit 3 moved to Column 2 in Q3 FY 2025 (ML25149A059). Hope Creek Generating Station moved to Column 2 in Q4 of FY2025 (ML25237A290). Watts Bar units 1 and 2 moved to Column 2 in Q1 of FY26 (ML25342A080).