



Volume 3 - August 2024

In our latest edition of NENSC News, the [Nuclear Energy and National Security Coalition \(NENSC\)](#) brings you industry news, events you don't want to miss, and policies we are watching. Be sure to keep scrolling to learn how you can follow us and stay up to date with the latest information you need.

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LEGISLATIVE AND REGULATORY DEVELOPMENTS

Congressional Resolution Introduced Against NRC Fees: Rep. Palmer (R-AL) [introduced](#) a joint resolution of "Congressional Disapproval" against the NRC's recent FY2024 Fee Collection. The NRC [published](#) its FY2024 fee schedule in June of 2024 in the Federal Register, which went into effect August 19, 2024. Rep. Palmer's resolution states that "Congress disapproves the rule submitted by the NRC...and such rule shall have no force or effect." The resolution currently has no cosponsors.

DOE Awards Rapid Turnaround Experiments: DOE's Office of Nuclear Energy [awarded](#) 13 Super Rapid Turnaround Experiment user access projects to examine the performance of promising nuclear fuels and materials that support the nation's current fleet of reactors and advance next-generation nuclear technologies. The selected project teams include 13 principal investigators from 6 universities, two national laboratories, and one industry partner who will work with the Nuclear Science User Facilities on the proposed experiments.

DARPA Releases RFI: DoD's Defense Advanced Research Projects Agency [released](#) an RFI on High Power Direct Energy Conversion from Nuclear Power Systems. Specifically, the RFI is seeking the "development of a new generation of efficient, resilient, and direct methods for converting energy released through nuclear radiative processes (e.g., alpha, beta, gamma, neutron) into electricity." Fission and fusion are included. Responses are due August 30, 2024. The American Nuclear Society [explains more](#).

INTERNATIONAL NUCLEAR DEVELOPMENTS

Norway Looks at SMRs: The Norwegian company Norsk Kjernekraft [has submitted](#) an application to Norway's Ministry of Energy for an assessment of the construction of a power plant based on multiple SMRs, for a total capacity of 1.5 GW, in the municipality of Øygarden, near Bergen, western Norway. Norsk Kjernekraft plans to develop five SMRs at the site, each

with a generating capacity of 300 MW. The project has the potential to generate about 12.5 TWh/year of electricity.

Australia Risks Missing Uranium Boom: Despite holding nearly a third of the world's uranium deposits, Australia allows uranium mining in only two states, [limiting its ability](#) to capitalize on rising global demand driven by nuclear energy's role in decarbonization. Miners at the Diggers & Dealers conference urge state governments to lift bans, warning that the nation could miss out on economic benefits and job creation. Environmental and safety concerns persist, but the industry remains hopeful for more approvals, especially with uranium prices still high.

CNL Launches N2ET Program for Advanced Nuclear Technologies: Canadian Nuclear Laboratories (CNL) [has launched](#) the New Nuclear & Emerging Technologies (N2ET) program to accelerate the commercialization and deployment of innovative technologies. N2ET consolidates CNL's clean energy and health sciences projects, including small modular reactors, fusion energy, and medical isotopes. The program aims to enhance collaboration, direct funding, and leverage CNL's resources to advance next-generation solutions, aligning with Vision 2030, CNL's strategy for environmental restoration, clean energy advancement, and health improvements.

Final Containment Installed for Russian Fast Reactor: The [third and final tier](#) of the reactor containment structure has been installed for the BREST-OD-300 lead-cooled fast neutron reactor at the Siberian Chemical Combine site in Seversk, Russia. This milestone completes the 429-tonne, 17-meter-high containment structure, which serves as an additional protective barrier for the reactor. Part of Rosatom's "Breakthrough" project, the BREST-OD-300 reactor aims to demonstrate a closed nuclear fuel cycle and is expected to begin operations in 2026.

China Approves 11 New Reactors: China [approved 11 nuclear reactors](#) across five sites, a record amount of permits as the government leans even more heavily on atomic energy to support its push to cut emissions. The total investment for all 11 units will be at least 220 billion yuan (\$31 billion), with construction taking about five years. China has more nuclear reactors under construction than any other nation in the world and has approved ten new reactors in each of the last two years. The country is expected to surpass France and the US to be the world's leading nuclear power generator by 2030.

UK Awards £30M for Decommissioning: The United Kingdom's Nuclear Decommissioning Authority has [awarded contracts](#) totaling £30 million to drive innovation and research into new techniques to deliver safe, sustainable, and cost-effective decommissioning. The seven successful consortia involve over 60 organizations, including established nuclear companies, global cross-sector corporations, UK universities, national laboratories, and small and medium-sized enterprises.

Eswatini Launches Nuclear Energy Initiative: Eswatini, the landlocked country in South Africa, [announced](#) the launch of its Country Program Framework in conjunction with the IAEA. The framework seeks to serve as a strategic document that outlines the country's priorities for the next six years, with a particular focus on the application of nuclear technology for social and economic development.

IN THE NEWS

Cipher: [Nuclear energy could undergo a renaissance. Here's what to know.](#)

Pew Research Center: [Majority of Americans support more nuclear power in the country](#)

World Nuclear News: [Sweden, USA agree to nuclear cooperation](#)

AP News: [US, India, Russia, Japan are building out wind power much too slowly for climate change, report says](#)

Rockefeller Foundation: [The Green Power Gap: Achieving an Energy Abundant Future for Everyone](#)

Utility Dive: [AI, manufacturing spur SMR interest, but project complexity weighs on deals: NuScale](#)

Atlantic Council: [Japan's economic revitalization requires nuclear energy](#)

Microgrid Knowledge: [Microgrid Nuclear Reactor Momentum: Oklo's Customer Pipeline Grows 93%](#)

National Security Science Magazine/ Los Alamos National Laboratory: [From coal to clean](#)

Huffington Post: [Inside the Ambitious Plan To Compete With Russia On Nuclear Energy Again](#)

Foreign Affairs: [The Case for a Clean Energy Marshall Plan](#) [Paywall]

You Tube: [Trump Discusses Nuclear Energy and SMRs](#) [Comments at 30 minute mark]

UPCOMING EVENTS



[World Nuclear Symposium 2024](#)

Turning Momentum into Energy

September 4 - 6, 2024

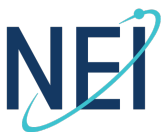
Park Plaza Westminster Bridge, London, UK



[Ninth Annual Central and Eastern European Energy Security Conference - Atlantic Council](#)

September 10

Washington, DC



[Nuclear Energy Assembly](#)

September 10 -12, 2024

Philadelphia, PA, USA



[68th IAEA General Conference](#)

September 16 - 20

Vienna, Austria



[COP29 United Nations Climate Conference](#)

November 11 - 24

Baku, Azerbaijan

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