

# Eagle Nuclear Energy Engages Tensor Medium to Support Reactor Simulation and Optimization for SMR Program

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RENO, June 09, 2026 - [Eagle Nuclear Energy Corp.](#) ("Eagle" or the "Company") (NASDAQ: NUCL), a next-generation nuclear energy company that owns the largest conventional, measured and indicated uranium deposit in the United States, today announced that it has engaged Tensor Medium Corporation ("Tensor Medium"), an advanced algorithm and artificial intelligence company, to support reactor simulation and optimization efforts connected to Eagle's small modular reactor ("SMR") program. The engagement includes multiple workstreams that support Eagle's broader strategy to advance an integrated nuclear energy platform combining domestic uranium resources with advanced SMR technology.

Under the engagement, Tensor Medium will support reactor modeling and simulation efforts for Eagle's SMR program, including reactor engineering support, materials optimization, quantum development, and support for future licensing readiness in connection with Eagle's broader SMR development initiatives.

"Engaging the right specialized technical partners is an important step in the evolution of our SMR program and Eagle's broader nuclear energy platform strategy," said Eagle CEO Mark Mukhija. "Tensor Medium brings expertise in AI-enabled simulation technologies and high-performance computing capabilities that will support reactor design optimization and future development efforts related to our reactor initiative. We are pleased to begin working alongside their team as we advance our broader SMR development efforts."

Founded by former Los Alamos National Laboratory theoretical physicist Dr. Boian Alexandrov, Tensor Medium specializes in AI tensor networks mathematics, physics-based simulations, and advanced engineering technologies for complex engineering and national security applications. The company's technology has been applied across nuclear science, biosecurity, advanced materials, and defense systems.

"Tensor Medium's advanced simulation and optimization capabilities are well-suited to next-generation reactor development programs such as Eagle's SMR initiative," said Alexandrov. "Our team has spent years developing computational methods designed to address complex engineering and physics problems at scale, and we look forward to supporting Eagle's nuclear development strategy."

The engagement with Tensor Medium supports Eagle's ongoing efforts to develop an integrated nuclear energy platform combining domestic uranium resources with advanced SMR technology. In parallel, the Company continues to advance its flagship Aurora Uranium Project toward a Pre-Feasibility Study ("PFS"), currently targeted for completion in the second half of 2027.

About Eagle Nuclear Energy Corp.

Eagle Nuclear Energy Corp. is a next-generation nuclear energy company that combines domestic uranium exploration with access to certain small modular reactor (SMR) technology. The Company owns the largest conventional, measured, and indicated uranium deposit in the United States, located in southeastern Oregon. This includes the Aurora deposit, with 32.75Mlbs Indicated and 4.98Mlbs Inferred (SK-1300 TRS) of near-surface uranium resource, and the adjacent Cordex deposit, which the Company believes offers potential to expand the project's overall resource inventory. BBA USA Inc. previously completed Aurora's S-K 1300 Mineral Resource Estimate and authored the related Technical Report Summary in August 2025, providing technical continuity as the Project advances. By integrating advanced SMR technology with a sizeable uranium asset, Eagle is building an integrated nuclear platform positioned to support domestic nuclear energy development.

For more information about Eagle Nuclear Energy Corp., visit [www.eaglenuclear.com](http://www.eaglenuclear.com).

### About Tensor Medium

Tensor Medium Corporation is an advanced algorithm and artificial intelligence company specializing in tensor factorization methods, high-performance computing, and physics-based simulations at the exascale level. The company uses advanced mathematical frameworks, including tensor networks, non-negative matrix factorization, and quantum-inspired algorithms, to address computationally demanding problems in nuclear engineering, materials science, defense systems, and national security applications.

### Cautionary Note Regarding Forward-Looking Statements

Certain statements included in this press release are not historical facts but are forward-looking statements. All statements other than statements of historical facts contained in this press release are forward-looking statements. Any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are also forward-looking statements. In some cases, you can identify forward-looking statements by words such as "estimate," "plan," "project," "forecast," "intend," "expect," "anticipate," "believe," "seek," "strategy," "future," "opportunity," "may," "target," "should," "will," "would," "will be," "will continue," "will likely result," "preliminary," or similar expressions that predict or indicate future events or trends or that are not statements of historical matters, but the absence of these words does not mean that a statement is not forward-looking. Forward-looking statements include, without limitation, Eagle's, or its management team's expectations concerning the modeling and simulation services to be provided by Tensor Medium; the potential application of AI-enabled simulation, high-performance computing, and related computational methods to Eagle's SMR development efforts; the technical feasibility, validation, regulatory pathway, and future development of Eagle's SMR program; Eagle's ability to work with third-party technology providers and technical partners; the outlook for Eagle's business; the ability to execute Eagle's strategies and reach permitting, licensing, technical, development, and operational milestones timely or at all; projected and estimated financial performance; anticipated industry trends; the future price of minerals; future capital expenditures; success of exploration activities; mining or processing issues; government regulation of mining operations, nuclear energy development, advanced reactor technologies, and related licensing activities; and environmental risks; as well as any information concerning possible or assumed future results of operations of Eagle. The forward-looking statements are based on the current expectations of the management teams of Eagle, and are inherently subject to uncertainties and changes in circumstance and their potential effects. There can be no assurance that future developments will be those that have been anticipated. These forward-looking statements involve a number of risks, uncertainties or other assumptions that may cause actual results or performance to be materially different from those expressed or implied by these forward-looking statements. These risks and uncertainties include, but are not limited to, (i) market risks; (ii) the effect of the Company's previously completed business combination with [Spring Valley Acquisition Corp. II](#) (the "Business Combination") on Eagle's business relationships, performance, and business generally; (iii) risks that the Business Combination disrupts current plans of Eagle and potential difficulties in its employee retention as a result of the Business Combination; (iv) the outcome of any legal proceedings that may be instituted against Eagle related to the Business Combination; (v) failure to realize the anticipated benefits of the Business Combination; (vi) the inability to maintain the listing of Eagle's securities on Nasdaq Capital Market or a comparable exchange; (vii) the risk that the price of Eagle's securities may be volatile due to a variety of factors, including changes in laws, regulations, technologies, natural disasters or health epidemics/pandemics, national security tensions, and macro-economic and social environments affecting its business; (viii) fluctuations in spot and forward markets for uranium and certain other commodities (such as natural gas, fuel oil and electricity); (ix) restrictions on mining in the jurisdictions in which Eagle operates; (x) laws and regulations governing Eagle's operation, exploration and development activities, and changes in such laws and regulations; (xi) Eagle's ability to obtain or renew the licenses and permits necessary for the operation and expansion of its existing operations and for the development, construction and commencement of new operations; (xii) Eagle's ability to validate, develop, license, finance, construct, commercialize, or deploy SMR technology on anticipated timelines or at all; (xiii) risks relating to nuclear energy regulation, licensing, permitting, safety review, public acceptance, and government policy; (xiv) risks that AI-enabled modeling, simulation, optimization, or other technical workstreams do not produce anticipated results or do not translate into commercially viable or licensable reactor technology; (xv) risks and hazards associated with the business of mineral exploration, development and mining (including environmental hazards, potential unintended releases of contaminants, industrial accidents, unusual or unexpected geological or structural formations, pressures, cave-ins and flooding); (xvi) inherent risks associated with tailings facilities and heap leach operations, including failure or leakages; the speculative nature of mineral exploration and development; the inability to determine, with certainty, production and cost estimates; inadequate or unreliable infrastructure (such as roads, bridges, power sources and water supplies); (xvii) environmental regulations and legislation; (xviii) the effects of climate change, extreme weather events, water scarcity, and seismic events, and the effectiveness of strategies to deal with these issues; (xix) risks relating to Eagle's exploration operations; (xx) fluctuations in currency markets; (xxi) the volatility of the metals markets, and its potential to impact Eagle's ability to meet

its financial obligations; (xxii) disputes as to the validity of mining or exploration titles or claims or rights, which constitute most of Eagle's property holdings; (xxiii) Eagle's ability to complete and successfully integrate acquisitions; (xxiv) increased competition in the mining industry for properties and equipment; (xxv) limited supply of materials and supply chain disruptions; (xxvi) relations with and claims by indigenous populations; (xxvii) relations with and claims by local communities and non-governmental organizations; and (xxviii) the risk that other capital needed by Eagle may not be raised on favorable terms, or at all. The foregoing list is not exhaustive, and there may be additional risks that Eagle presently does not know or that Eagle currently believes are immaterial. You should carefully consider the foregoing factors, any other factors discussed in this press release and the other risks and uncertainties described in the registration statement on Form S-1 initially filed by Eagle on March 19, 2026, and any amendments or supplements thereto, and those discussed and identified in other filings made with the SEC by Eagle from time to time, which may be found on the SEC's website at [www.sec.gov](http://www.sec.gov). Eagle cautions you against placing undue reliance on forward-looking statements, which reflect current beliefs and are based on information currently available as of the date a forward-looking statement is made. Forward-looking statements set forth in this press release speak only as of the date of this press release. Eagle undertakes no obligation to revise forward-looking statements to reflect future events, changes in circumstances, or changes in beliefs. In the event that any forward-looking statement is updated, no inference should be made that Eagle will make additional updates with respect to that statement, related matters, or any other forward-looking statements.

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