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Lightbridge President and CEO Seth Grae Highlights Nuclear Energy's Critical Role in Meeting Global Energy Demands on Schwab Network's "Morning Trade Live" with Nicole Petallides

RESTON, Va., April 28, 2025 (GLOBE NEWSWIRE) -- Lightbridge Corporation ("Lightbridge" or the "Company") (Nasdaq: LTBR), an advanced nuclear fuel technology company, today announced that Seth Grae, Lightbridge President and Chief Executive Officer, was interviewed earlier today on Schwab Network's "Morning Trade Live," with Nicole Petallides. The interview covered the growing importance of nuclear energy in meeting global power demands and Lightbridge's innovative fuel technology.

During the interview, Mr. Grae emphasized the increasing global demand for reliable energy, particularly driven by data centers supporting AI technologies and industries working to decarbonize, highlighting nuclear energy's reliability advantage over renewable energy sources, explaining that solar and wind power faces inherent intermittency challenges that make them unsuitable for applications requiring constant power. "Nuclear checks all the boxes, including American energy independence and getting our allies off relying on fossil fuels from Russia."

Mr. Grae emphasized how Lightbridge's innovative fuel technology can potentially deliver compelling economic benefits to the nuclear industry: "This is all about the added power the world needs - getting more power from the existing plants and improving the economic case for building new plants by getting so much more power out of each new unit using Lightbridge Fuel that we are developing."

The interview revealed substantial growth plans for the U.S. nuclear sector, noting the U.S. commitment to triple nuclear power capacity globally by 2050, potentially adding approximately 200 large reactors domestically. Mr. Grae indicated that nuclear power could increase from its current 19% share of U.S. electricity to over 50% by 2050.

The full interview can be found on Lightbridge's official YouTube channel at <https://www.youtube.com/@lightbridgecorporation>. The link to the interview can be found at <https://youtu.be/NSvEqMt2MfY>.

About Lightbridge Corporation

Lightbridge Corporation (NASDAQ: LTBR) is focused on developing advanced nuclear fuel technology essential for delivering abundant, zero-emission, clean energy and providing energy security to the world. The Company is developing Lightbridge Fuel™, a proprietary next-generation nuclear fuel technology for existing light water reactors and pressurized

heavy water reactors, significantly enhancing reactor safety, economics, and proliferation resistance. The Company is also developing Lightbridge Fuel for new small modular reactors (SMRs) to bring the same benefits plus load-following with renewables on a zero-carbon electric grid.

Lightbridge has entered into two long-term framework agreements with Battelle Energy Alliance LLC, the United States Department of Energy's operating contractor for Idaho National Laboratory, the United States' lead nuclear energy research and development laboratory. DOE's Gateway for Accelerated Innovation in Nuclear program has twice awarded Lightbridge to support the development of Lightbridge Fuel over the past several years. Lightbridge is participating in two university-led studies through the DOE Nuclear Energy University Program at Massachusetts Institute of Technology and Texas A&M University. An extensive worldwide patent portfolio backs Lightbridge's innovative fuel technology. Lightbridge is included in the Russell Microcap® Index. For more information, please visit www.ltbridge.com.

To receive Lightbridge Corporation updates via e-mail, subscribe at <https://www.ltbridge.com/investors/news-events/email-alerts>

Lightbridge is on YouTube. Subscribe to access past demonstrations, interviews, and other video content at <https://www.youtube.com/@lightbridgecorporation>

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Forward Looking Statements

With the exception of historical matters, the matters discussed herein are forward-looking statements. These statements are based on current expectations on the date of this news release and involve a number of risks and uncertainties that may cause actual results to differ significantly from such estimates. The risks include, but are not limited to: Lightbridge's ability to commercialize its nuclear fuel technology; the degree of market adoption of Lightbridge's product and service offerings; Lightbridge's ability to fund general corporate overhead and outside research and development costs; market competition; our ability to attract and retain qualified employees; dependence on strategic partners; demand for fuel for nuclear reactors; Lightbridge's ability to manage its business effectively in a rapidly evolving market; the availability of nuclear test reactors and the risks associated with unexpected changes in Lightbridge's fuel development timeline; the increased costs associated with metallization of Lightbridge's nuclear fuel; public perception of nuclear energy generally; changes in the political environment; risks associated with war in Europe; changes in the laws, rules and regulations governing Lightbridge's business; development and utilization of, and challenges to, Lightbridge's intellectual property; risks associated with potential shareholder activism; potential and contingent liabilities; as well as other factors described in Lightbridge's filings with the Securities and Exchange Commission (the "SEC"). Lightbridge does not assume any obligation to update or revise any such forward-looking statements, whether as the result of new developments or otherwise, except as required by law. Readers are cautioned not to put undue reliance on forward-looking statements.

A further description of risks and uncertainties can be found in Lightbridge's Annual Report on Form 10-K for the fiscal year ended December 31, 2024, and in its other filings with the

SEC, including in the sections thereof captioned “Risk Factors” and “Forward-Looking Statements”, all of which are available at <http://www.sec.gov/> and www.ltbridge.com.

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Source: Lightbridge Corporation