NANO Nuclear to Participate in Fireside Chat at H.C. Wainwright's Powering the Future: Advancing Innovation Through Nuclear Virtual Conference on July 15th

July 10, 2025

New York, N.Y., July 10, 2025 (GLOBE NEWSWIRE) -- NANO Nuclear Energy Inc. (NASDAQ: NNE) ("NANO Nuclear" or "the Company"), a leading advanced nuclear energy and technology company focused on developing clean energy solutions, today announced that Chief Executive Officer James Walker will participate in a fireside chat at H.C. Wainwright's Powering the Future: Advancing Innovation Through Nuclear Virtual Conference hosted by Sameer Joshi, Senior Cleantech Analyst at H.C. Wainwright, on July 15, 2025 at 9:00 a.m., Eastern time.

Figure 1 - Rendering of NANO Nuclear Energy's High Technology Readiness Level and Patented KRONOS MMR ™ Microreactor Energy System at the University of Illinois Urbana-Champaign

Mr. Walker is expected to discuss recent business developments, highlighting progress in advancing its lead microreactor project, the patented **KRONOS MMR ™ Energy System**, toward construction, testing and licensing with the U.S. Nuclear Regulatory Commission, as well as key upcoming regulatory milestones necessary for deployment of the KRONOS reactor prototype at the University of Illinois Urbana-Champaign.

NANO Nuclear is highly focused on expediting its advanced reactor technology to meet expected growth in energy demands across multiple sectors, including data centers powering artificial intelligence. The stationary KRONOS reactor is designed to be completely modular, mass manufactured with a production line, rapidly installed, safer than traditional reactors, co-located at customer sites, a provider of high-capacity factor baseload carbon free power, and a known technology offering the potential to reduce licensing timeframes. NANO Nuclear views KRONOS as a next generation source of reliable, safe, and clean nuclear energy ideal to meet expected future growth in domestic and international energy consumption.

Fireside Chat Details:

Date: Tuesday, July 15, 2025
Time: 9:00 a.m. ET
Speaker: James Walker, CEO
Moderator: Sameer Joshi, H.C. Wainwright Senior Cleantech Analyst
Webcast: https://journey.ct.events/view/d216b343-edae-4f3e-8627-d19c29340b11

A replay of the fireside chat webcast will be available for approximately 30 days on NANO Nuclear's investor relations website at https://ir.nanonuclearenergy.com/news-events/events.

About NANO Nuclear Energy, Inc.

NANO Nuclear Energy Inc. (NASDAQ: NNE) is an advanced technology-driven nuclear energy company seeking to become a commercially focused, diversified, and vertically integrated company across five business lines: (i) cutting edge portable and other microreactor technologies, (ii) nuclear fuel fabrication, (iii) nuclear fuel transportation, (iv) nuclear applications for space and (v) nuclear industry consulting services. NANO Nuclear believes it is the first portable nuclear microreactor company to be listed publicly in the U.S.

Led by a world-class nuclear engineering team, NANO Nuclear's reactor products in development include patented **KRONOS MMR ™ Energy System**, a stationary high-temperature gas-cooled reactor that is in construction permit pre-application engagement U.S. Nuclear Regulatory Commission (NRC) in collaboration with University of Illinois Urbana-Champaign (U. of I.), "**ZEUS"**, a solid core battery reactor, and "**ODIN"**, a low-pressure coolant reactor, and the space focused, portable **LOKI MMR ™**, each representing advanced developments in clean energy solutions that are portable, on-demand capable, advanced nuclear microreactors.

Advanced Fuel Transportation Inc. (AFT), a NANO Nuclear subsidiary, is led by former executives from the largest transportation company in the world aiming to build a North American transportation company that will provide commercial quantities of HALEU fuel to small modular reactors, microreactor companies, national laboratories, military, and DOE programs. Through NANO Nuclear, AFT is the exclusive licensee of a patented high-capacity HALEU fuel transportation basket developed by three major U.S. national nuclear laboratories and funded by the Department of Energy. Assuming development and commercialization, AFT is expected to form part of the only vertically integrated nuclear fuel business of its kind in North

America.

HALEU Energy Fuel Inc. (HEF), a NANO Nuclear subsidiary, is focusing on the future development of a domestic source for a High-Assay, Low-Enriched Uranium (HALEU) fuel fabrication pipeline for NANO Nuclear's own microreactors as well as the broader advanced nuclear reactor industry.

NANO Nuclear Space Inc. (NNS), a NANO Nuclear subsidiary, is exploring the potential commercial applications of NANO Nuclear's developing micronuclear reactor technology in space. NNS is focusing on applications such as the **LOKI MMR** ™ system and other power systems for extraterrestrial projects and human sustaining environments, and potentially propulsion technology for long haul space missions. NNS' initial focus will be on cis-lunar applications, referring to uses in the space region extending from Earth to the area surrounding the Moon's surface.

For more corporate information please visit: https://NanoNuclearEnergy.com/

For further NANO Nuclear information, please contact:

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Cautionary Note Regarding Forward Looking Statements

This news release, the fireside chat referred to herein and statements of NANO Nuclear's management in connection with this news release and such fireside chat contain or may contain "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995. In this context, forward-looking statements mean statements related to future events, which may impact our expected future business and financial performance, and often contain words such as "expects", "anticipates", "intends", "plans", "believes", "potential", "will", "should", "could", "would" or "may" and other words of similar meaning. Specifically, forward-looking statements include those related to NANO Nuclear's development plans for the KRONOS MMR ™ Energy System and NANO Nuclear's other future plans and intentions. These and other forward-looking statements are based on information available to us as of the date of this news release and represent management's current views and assumptions. Forward-looking statements are not guarantees of future performance, events or results and involve significant known and unknown risks, uncertainties and other factors, which may be beyond our control. For NANO Nuclear, particular risks and uncertainties that could cause our actual future results to differ materially from those expressed in our forward-looking statements include but are not limited to the following: (i) risks related to our U.S. Department of Energy ("DOE") or related state or non- U.S. nuclear fuel licensing submissions, (ii) risks related the development of new or advanced technology and the acquisition of complimentary technology or businesses, including difficulties with design and testing, cost overruns, regulatory delays, integration issues and the development of competitive technology, (iii) our ability to obtain contracts and funding to be able to continue operations, (iv) risks related to uncertainty regarding our ability to technologically develop and commercially deploy a competitive advanced nuclear reactor or other technology in the timelines we anticipate, if ever, (v) risks related to the impact of U.S. and non-U.S. government regulation, policies and licensing requirements, including by the DOE and the U.S. Nuclear Regulatory Commission, including those associated with the recently enacted ADVANCE Act and the May 23, 2025 Executive Orders seeking to streamline nuclear regulation, and (vi) similar risks and uncertainties associated with the operating an early stage business a highly regulated and rapidly evolving industry. Readers are cautioned not to place undue reliance on these forward-looking statements, which apply only as of the date of this news release. These factors may not constitute all factors that could cause actual results to differ from those discussed in any forward-looking statement, and NANO Nuclear therefore encourages investors to review other factors that may affect future results in its filings with the SEC, which are available for review at www.sec.gov and at https://ir.nanonuclearenergy.com/financial-information/sec-filings. Accordingly, forward-looking statements should not be relied upon as a predictor of actual results. We do not undertake to update our forward-looking statements to reflect events or circumstances that may arise after the date of this news release, except as required by law.

Attachment

- NANO Nuclear Energy Inc.

NANO Nuclear Energy Inc.

Figure 1 - Rendering of NANO Nuclear Energy's High Technology Readiness Level and Patented KRONOS MMR™ Microreactor Energy System at theUniversity of Illinois Urbana-Champaign

Source: NANO Nuclear Energy Inc.