INDUSTRY PROFILE

NUCLEAR

ENERGY LEADER

Wyoming is known as the "Energy State," and for good reason. Wyoming consistently ranks high in traditional, emerging, and renewable energy sources. In November 2021, TerraPower and PacifiCorp announced the selection of the Naughton Plant in Kemmerer, WY, as the site of the Natrium™ advanced nuclear reactor demonstration project.

BUSINESS ENVIRONMENT

Wyoming has been a leader in energy for more than 100 years and is home to a highly-skilled, well-trained workforce. Wyoming knows what it takes to support major energy projects, and the state has a history as the nation's leader on energy issues. Many utilities have made significant investments in Wyoming's grid.

NUCLEAR ENERGY INDUSTRIAL DEVELOPMENT

Wyoming is leading the charge in the U.S. nuclear energy renaissance, driving innovation in research, development, and supply chain growth. By supporting advanced technologies and providing key components for nuclear energy companies, Wyoming plays a critical role in ensuring the deployment of new nuclear technologies. Recognized as an industry leader, the state is poised to become a global hub for nuclear energy advancements.

INTERMOUNTAIN WEST NUCLEAR ENERGY CORRIDOR

Wyoming, along with the Idaho through the Intermountain West Nuclear Energy Corridor (INEC), has been designated one of the 31 Tech Hubs by the Economic Development Administration and the only hub dedicated to nuclear energy.

RESEARCH HUB

The Nuclear Energy Research Center (NERC) at the University of Wyoming (UW) School of Energy Resources seeks to connect and provide opportunities for research, economics, regulation and more in emerging nuclear energy markets and tackle important issues to help create a robust nuclear economy in Wyoming and the region. The Idaho National Laboratory has also partnered with Wyoming to build capacity at UW.

"As Natrium moves boldly toward establishing a new domestic energy source, it offers the promise of hundreds of jobs, enhanced careers, and renewed vitality. This project also demonstrates how good things can happen when the private and public sectors work together to solve problems. Advances made here will bolster Wyoming's ability to produce another source of dispatchable power securely."

- WYOMING GOV. MARK GORDON

FEATURED BUSINESSES & PROJECTS

COAL-TO-NUCLEAR TRANSITION PROJECT

TerraPower has begun constructing its Natrium™ advanced nuclear reactor demonstration project in Kemmerer. This first-of-its-kind project features a 345 MW sodium-cooled fast reactor with a molten salt-based energy storage system capable of boosting output to 500 MW. The plant, located near a retiring coal-fired power facility, is the world's only coal-to-nuclear transition project. Along with PacifiCorp, BWXT Advanced Technologies, and GE Hitachi Nuclear Energy, members of the demonstration project team include engineering and construction partners Bechtel, Energy Northwest, Duke Energy, and nearly a dozen additional companies, universities, and national laboratories. Learn more at **terrapower.com.**

MICROREACTOR PROJECT

BWXT Advanced Technologies LLC, a leader in nuclear technology, is working on the demonstration of a lead microreactor unit that has the potential to supplement existing power generation resources to meet future growing energy needs. The lead unit would serve as a pilot plant for a fleet of microreactors that could be deployed across the state and region. Tata Chemicals Soda Ash Partners has signed a letter of intent with BWXT to explore the deployment of up to eight of BWXT's Advanced Nuclear Reactors for electricity and industrial processing at a soda ash site in Green River, WY. Gillette-based L&H Industrial, an industrial machinery company, signed a joint development agreement with BWXT, allowing the company to participate in both the supply chain and the development and deployment of advanced nuclear reactors.

URANIUM MINING PROJECTS

Uranium Energy Corp (UEC) is at the forefront of powering the next generation of clean, reliable energy. As America's largest and fastest-growing supplier of uranium, UEC is committed to advancing low-cost, environmentally friendly In-Situ-Recovery (ISR) uranium mining projects. In August 2024, production restarted at the UEC's Christensen Ranch project in Wyoming's Powder River Basin. Recently, UEC acquired the Sweetwater Plant and a robust portfolio of uranium mining properties in Wyoming from Rio Tinto America Inc. This acquisition includes the Red Desert and Green Mountain projects, boasting a combined historic resource of approximately 175 million pounds of uranium. The Sweetwater Plant, a fully licensed facility capable of processing 4.1 million pounds of uranium annually, cements UEC as the leader in U.S. uranium production capacity.

BUSINESS RECRUITMENT MANAGERS
Wendy Lopez
wendy.lopez@wyo.gov | 307.631.2157