

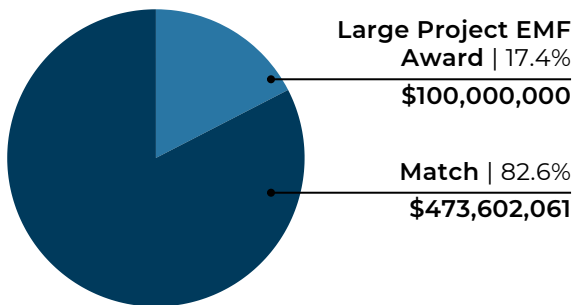
## TRISO Fuel Fabrication Facility in Wyoming

BWX Technologies, Inc.

### SUMMARY

BWXT is planning to construct a new U.S. NRC Category II manufacturing facility aimed at producing TRISO fuel, with the goal of making it operational by 2030. TRISO is a coated-particle nuclear fuel that can operate safely at much higher temperatures than conventional nuclear fuel, making it the preferred choice for many innovative advanced reactor designs. Importantly, the facility will neither produce nor store high-level radioactive waste or spent nuclear fuel. The facility will be under a 40-year license with NRC. The establishment and operation of the TRISO fuel fabrication facility are expected to bring sustainable long-term economic advantages to the region and state, including an expanded tax base, quality jobs with competitive wages, and a supportive ecosystem for the industry.

### FUNDING



### TIMELINE

Award December 2025  
Estimated Project Timeline 2026-2031

### VISION & GOALS

Vision: Enhance national security through advanced nuclear fuel production, ensuring a reliable and secure fuel supply for advanced reactors, while innovating and leading in nuclear technology.

Goal: Drive US-based economic growth and commercial development by deploying a TRISO fuel fabrication facility in Wyoming.

### BENEFITS TO THE STATE OF WYOMING

#### Strategic & Economic

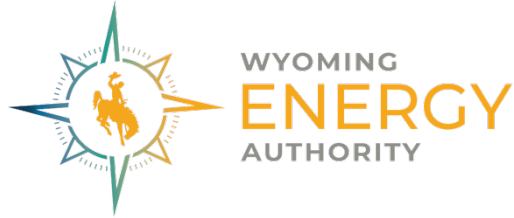
- Develop a Wyoming-based nuclear supply chain with manufacturing and employment opportunities.
- Strengthen energy resilience.
- Position Wyoming as a leader in advanced nuclear fuel innovation.
- Provide over 200 direct jobs with an estimated annual payroll of more than \$20 million.
- Create approximately 194 indirect and induced jobs, with new payrolls surpassing \$20 million each year.
- Contribute approximately \$100 million in Gross State Product annually during the first 10 years of operation. This facility is expected to be a multi-decadal facility.

#### Technical & Regulatory

- Ensure reliable and secure fuel supply for advanced reactors.

#### Social & Industrial

- Support workforce development and diversification.



## **Overview of Public Comments to Large Energy Matching Funds Project BWXT TRISO manufacturing facility**

### **(228) Comments in Support**

*The below represents summarized public comments.*

- BWXT’s investment represents an exciting opportunity to strengthen our local economy and advance Wyoming’s leadership in the energy sector. The project is expected to deliver lasting benefits such as:
  - The creation of high-quality, well-paying jobs for our workforce.
  - Expansion of infrastructure and increased business activity.
  - Increased tax revenue to support and stabilize the total economy.
  - Broader diversification across Wyoming’s manufacturing and energy industries.
  - Create an in state integrated value chain for the critical mineral uranium
- They (BWXT) have already demonstrated a genuine commitment to being part of this community, and its long-term involvement will help shape a strong foundation for sustainable economic and technological growth in Campbell County.
- BWXT is the world’s leading producer of TRISO, an important.
- BWXT is committed to four times the requested state match.
- BWXT has a century-long track record, including its role in supplying nuclear reactors to the U.S. Navy.
- BWXT has provided multiple student engagement opportunities, including: UW Senior Design, Nuclear Energy Science Certificate Program recruitment ads, Career Fairs, UW internships, and high school classroom engagements as guest speakers.
- Presents a tremendous opportunity for Wyoming’s uranium recovery industry.
- TRISO fuel is the safest nuclear fuel designed to date, and the U.S. Department of Energy refers to it as “The Most Robust Fuel on Earth.”
- Wyoming stands to gain 200 high-quality, high-wage jobs.
- This project has the potential to start a nuclear industry cluster that could have a positive impact on the long-term decline of our state economy.
- It might help address our nation’s worst workforce-aged-out migration rate and workforce attraction rate. Currently, Wyoming loses double the national average of young people under age 30.
- The jobs offered by BWXT may provide a career path for young people and bring skilled professionals back to their home state of Wyoming.

- Represents an opportunity for Wyoming to step into a leadership role in the next generation of advanced energy and manufacturing.
- Revenues from this project will strengthen local budgets, enhance education funding, and support public infrastructure and services across Campbell County.
- This project aligns with federal initiatives recognizing nuclear energy as an essential component of the nation’s energy strategy.
- A Category II nuclear manufacturing facility also introduces a modern, future-focused sector that complements Wyoming’s existing strengths while opening doors for new partnerships, supply-chain growth, and innovation across the region.
- This project may enable Wyoming to transition to a more sustainable energy source while maintaining its existing infrastructure. It may help stabilize the boom-and-bust cycle.
- The support of this project will signal to the business community that Wyoming is a business-friendly state, which may lead to future investments in the state.
- Many of the skills used in our existing oil, gas, and mining industries translate directly into the types of technical and manufacturing roles BWXT will need, and the company is already engaging with Gillette College and other partners on training and workforce development. According to the Department of Energy, around 67 percent of the jobs seen in the coal plant industry can transition into advanced nuclear with only 6 to 12 months of training.
- This project will expand Wyoming's high-skilled manufacturing base.
- It also opens the door for Wyoming businesses to participate in the emerging advanced-energy industry.
- For too long, America has relied on foreign fuel sources to power our grid, including our nuclear fuel supply. But, with this investment, Wyoming can support creating a strong foundation for a domestic nuclear fuel supply chain right here in America – increasing our national security and further reducing reliance on foreign partners.
- By locating this facility in Wyoming, BWXT can use in-state uranium resources to ensure a reliable, secure domestic supply of advanced nuclear fuel—strengthening national energy resilience while positioning our state at the forefront of innovation.
- Many supportive comments emphasize that this is not a reactor or waste site; it is a secure fuel fabrication site.
- The timing of this investment is critical as multiple advanced reactor developers move from design to deployment. The Department of Defense, major technology companies, and industrial facilities have announced concrete plans for advanced reactor purchases, creating nuclear fuel demand that Wyoming can and should capture.
- Supporting this project demonstrates the “more is more” energy policy.
- This project provides vertical integration by leveraging Wyoming’s existing uranium resources, turning them into a high-value advanced energy export and onshoring more of the critical energy supply chain.

### **3 Supportive Commenters with Questions**

*(WEA responses italicized)*

- Does BWXT have other facilities like this in other states?
  - *BWXT owns and operates numerous nuclear-related manufacturing facilities across the United States, as well as facilities in Canada and the United Kingdom. This includes two NRC Category 1 licensed facilities, which are the licenses required for handling special nuclear material, including enriched uranium at any level. The proposed TRISO manufacturing facility would be handling uranium enriched to less than 20%, which would require this facility to obtain a Category II license from the NRC.*
  
- How long is the life of this facility?
  - *The NRC grants 40-year licenses for fuel cycle facilities under 10 CFR Part 70. The NRC also grants extensions of these licenses with several facilities now having operated for nearly 70 years. We anticipate this facility to be a multi-decadal facility.*
  
- Is this an enrichment facility?
  - *No, this is a nuclear fuel fabrication facility. The uranium component required to manufacture the TRISO fuel would already be enriched before arriving at this facility.*
  
- Is there a projection of how long it will take for the 100-million-dollar grant to deliver ROI?
  - *Gillette and the state of Wyoming will start getting a return on investment as soon as construction begins. The facility is estimated to cost \$266,500,000, if BWXT uses local contractors for 40% of the project equals \$106M in local economic activity. BWXT is committed to use as many local contractors for as much of the project as possible in the construction of the facility.*

*When operational, the facility will hire 200 NEW employees with an average annual wage over \$100,000. With \$20M in new payrolls, the community is going to see increased economic activity and economic growth. BWXT will pay real property and personal property taxes on the facility and equipment that isn't eligible for exemption under Wyoming law.*

### **Comments Not in Support (32)**

*(WEA responses italicized)*

- Concerns about cost.
  - *The Large Project Energy Matching Fund (LPEMF) was established by the Wyoming Legislature specifically to leverage significant investment from the state in order to incentivize a large energy project to locate in Wyoming and bring with it economic benefit. The LPEMF statute requires a minimum 1:1*

*match from the awarded entity. This project satisfies that requirement with over a 4:1 match. The State's \$100,000,000 investment will be matched with over \$470,000,000 from BWXT.*

- Fails the LPEMF public benefits requirement.
  - *This project will bring with it over 200 direct jobs when it reaches full operation with an estimated annual payroll of over \$20 million. In addition, economic modeling shows an additional 194 indirect and induced jobs with new payrolls exceeding \$20 million annually. Property taxes on the facilities will also be paid annually which will benefit the local community and the state. On average over the first ten years of operation, the facility contributes approximately \$100 million in Gross State Product annually. The NRC license required for this facility is a 40 year license.*
- Use the money for a new coal-fired power plant.
  - *The WEA has not received any applications to the LPEMF related to building a new coal-fired power plant. However, the WEA recently announced a grant award from the Energy Matching Funds (EMF) program to Basin Electric to perform a FEED study related to a potential new coal unit at Dry Fork Station.*
- Concern that costs will continue to rise.
  - *Section 323 of the 2024 budget: Large Project Energy Matching Funds section (d) No award shall be granted that would obligate the state to any future financial commitment beyond the amount of the initial award.*
- Concern about something happening as a result of an accident; claims that there are not enough regulations, oversight, and penalties to protect land, air, water, and people from a nuclear presence.
  - *This facility will be required to go through a host of licensing and permitting requirements through the Nuclear Regulatory Commission as well as the Wyoming Department of Environmental Quality to ensure the safety of workers, the public and the environment.*
- Concern about environmental impact.
  - *This project will have to satisfy the requirements set forth in the National Environmental Policy Act., and meet environmental protection standards of the NRC and DEQ.*