North Dakota Legislative Council
Prepared for the Advanced Nuclear Energy Committee
LC# 27.9084.01000
August 2025

REQUEST FOR PROPOSAL AND PROPOSAL RESPONSES - ADVANCED NUCLEAR ENERGY STUDY

This memorandum provides information regarding proposals submitted in response to the Advanced Nuclear Energy Committee's request for proposal (RFP) for consultant services related to a study of the feasibility, siting, and deployment of advanced nuclear power plants in this state.

BACKGROUND INFORMATION

House Bill No. 1025 (2025) provides for a study of the feasibility, siting, and deployment of advanced nuclear power plants in this state. The study must include evaluation of siting locations, electric grid connectivity, land use considerations, economic impacts, temporary and permanent nuclear waste storage, small modular and micro nuclear reactors, and any provisions of North Dakota Century Code that place restrictions on advanced nuclear energy development.

The Advanced Nuclear Energy Committee has been assigned this study responsibility for the 2025-26 interim. The bill appropriates $300,000 from the general fund, and up to $300,000 from special funds derived from grants or donations from nonstate sources, to the Legislative Council for purposes of contracting for consulting services for the study.

REQUEST FOR PROPOSAL

On July 22, 2025, the Legislative Council issued an RFP for consultant services to assist with the study of advanced nuclear energy. Proposals were due to the Legislative Council office by August 20, 2025. As identified in the RFP, the consultant's assistance with the study must include an analysis of:

1. Siting locations, including potential greenfield and brownfield sites, the identification and assessment of undeveloped land suitable for construction, developed land suitable for rehabilitation and reuse, geographical locations, environmental impacts, proximity to infrastructure, and community acceptance;
2. Electric grid connectivity, including the capacity of the electrical grid and integration of a nuclear power plant to the state, necessary upgrades and expansions to ensure reliability, and recommendations adhering to national and state electric standards and regulations;
3. Land use considerations, including long-term sustainability of proposed sites, environmental and social factors, land use patterns and zoning regulations, potential impacts on local land use, and proposed mitigation strategies;
4. Economic impacts, including potential tax revenue, job creation during construction and operation of a nuclear facility, economic impacts on local and state economies, and investor appeal;
5. Temporary and permanent nuclear waste storage, including in-state and out-of-state siting locations;
6. Small modular and micro nuclear reactors, including the feasibility of constructing and operating small modular and micro reactors to generate power in the state; and
7. Provisions of the Century Code that place restrictions on advanced nuclear energy development, if any.

SUMMARY RESPONSES TO THE REQUEST FOR PROPOSAL

The schedule below provides a brief overview of the proposals listed in alphabetical order. Summaries of the proposals are attached as appendices. Based on information contained in the proposals, the summaries include the consultant profile, key personnel, selected expertise and experience, suggested methodology, and proposal cost.

Appendix	Consultant	Key Personnel	Cost
A	Always On Energy Research	Isaac Orr, Founder and Vice President of Research Mitch Rolling, Founder and Director of Research Trevor Lewis, Research Fellow	$500,000
B	AtkinsRéalis	Jeff Kendall, Executive Sponsor William Pierce, Project Director James Boykin, Quality Director	$99,959
C	EXCEL Services Corporation and Envoy Public Labs	Donald R. Hoffman, President and Chief Executive Officer, EXCEL Services Corporation Brian Meadors, General Counsel and Executive Vice President, EXCEL Services Corporation Eddie R. Grant, New Build Support, Licensing and Regulatory Services, EXCEL Services Corporation Neil Haggerty, Vice President, New Reactor and Technology Solutions, EXCEL Services Corporation Dan W. Williamson, Senior Licensing Engineer, EXCEL Services Corporation Taylor Stevenson, Co-Founder and Chief Executive Officer, Envoy Public Labs Cason Carroll, Program Manager, Envoy Public Labs	$300,000
D	Fire2Fission LLC	Mark Hinaman, Project Lead Blaine Thingelstad, Strategic Advisor David Gagne, Operations Engineer Camille Thompson, Strategic Advisor Patrice McEahern, Strategic Advisor and President of HukariAscendent, Inc.	$283,600
E	JuniPower, Inc.	Jeff Kummer, Chief Executive Officer and Founder	$250,000
F	Nucleon Energy	Dustin Wilkes, Chief Executive Officer and Co-Founder Will Bridge, Chief Technology Officer and Co-Founder Ryan Tourigny, Chief Development Officer and Co-Founder Pablo Argenal, Senior Vice President Infrastructure and Co-Founder Dr. Andrew Keeping, Senior Vice President Analytics and Co-Founder Jeff Vergouwen, Senior Vice President Markets and Co-Founder Chris Deir, Nuclear Engineering Lead Norm Sawyer, Nuclear Operations Advisor Bill Cooper, Nuclear Engineering Advisor Alan Wagland, Nuclear Quality Assurance Lead Paul Young, Nuclear Management Systems Lead Dr. Robert Ion, Nuclear Licensing Advisor Jeff Merrifield, Regulatory Consultant David Pennington, Project Finance Advisor	$275,000
G	Peritiacon LLC	Josh Loosemore, Lead Consultant Michael Gunsch, Civil Engineer	$235,000
H	RAND Corporation	Keith Crane, Principal Investigator David Gill, Co-Principal Investigator and Technical Analyst Tom LaTourrette, Senior Physical Scientist	$300,000
I	University of Wyoming Construction Research and Innovation Lab	Dr. Chengyi Zhang, Principal Investigator and Faculty Supervisor Uttam Kumar Pal, Co-Principal Investigator Saksham Timalsina, Ph.D. Candidate Merina Giri, Ph.D. Candidate	$291,520

ATTACH:9