



Cassandra S. Otto
Energy Services & Development
Nuclear Development
P.O. Box 968, MD/1035
Richland, WA 99352-0968
Ph. (509) 377-8778
csotto@energy-northwest.com

August 20, 2024

Talia Baker, PRC Administrative Support
Capital Projects Advisory Review Board
Department of Enterprise Services
PO Box 41476 Olympia, WA 98504

RE: Energy Northwest's Application for Project Approval using Design-Build (D-B) Alternative Public Works Contract Delivery for the Small Modular Reactor Project

Ms. Baker,


Energy Northwest is pleased to submit our application for project approval using the D-B alternative public works contract delivery, pursuant to RCW 39.10.280 and RCW 39.10.250(3).

Energy Northwest's Nuclear Development Team has been diligently developing next-generation advanced nuclear reactors. We are excited to continue with development by bringing on a Design-Build (D-B) partner to assist with this first-of-its-kind project in Washington State.

We are confident that this project fully meets the requirements for using the D-B alternate contracting procedure per RCW 39.10.300(1). The D-B method will help ensure the project's success with so many unknown conditions while satisfying the criteria of RCW 39.10.300(1)(c).

We look forward to the opportunity to collaborate with a D-B partner who can bring advanced design and construction solutions to our project to ensure its success. If you have questions or need additional information regarding our application, please contact me at csotto@energy-northwest.com or (509) 377-8778. Thank you for considering our application.

Sincerely,

DocuSigned by:

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Cassandra S. Otto
Procurement Supervisor

CState of Washington
PROJECT REVIEW COMMITTEE (PRC)
APPLICATION FOR PROJECT APPROVAL
*To Use the Design-Build (DB)
Alternative Contracting Procedure*

The PRC will only consider complete applications: Incomplete applications may result in delay of action on your application. Responses to sections 1-7 and 9 should not exceed 20 pages (*font size 11 or larger*). Provide no more than six sketches, diagrams or drawings under Section 8.

Identification of Applicant

- a) Legal name of Public Body (your organization): **Energy Northwest**
- b) Mailing Address: **345 Hills Street, Richland, WA 99352**
- c) Contact Person Name: **Cassandra Otto** Title: **Procurement Supervisor**
- d) Phone Number: **509-377-8778** E-mail: **csotto@energy-northwest.com**

1. Brief Description of Proposed Project

- a) Name of Project: **Small Modular Reactor**
- b) County of Project Location: **Benton**
- c) Please describe the project in no more than two short paragraphs.

Energy Northwest is a public agency that owns and operates numerous clean energy generating facilities throughout the Northwest region of the United States, including Columbia Generating Station in Richland, which is the only commercial nuclear energy facility in the region. Energy Northwest has entered into a joint development agreement with X-Energy Reactor Company (“X-energy”) for up to 12 Xe-100 advanced small modular reactors in central Washington capable of generating up to a total of 960 megawatts of carbon-free electricity. Energy Northwest plans to use progressive design-build to construct the first Xe-100 module on its site in Richland, WA. As part of its Joint Development Agreement with Energy Northwest, X-energy will provide the design of the proprietary portion of the module, and Energy Northwest will hire a progressive design-builder to construct X-energy’s design for the module and design and construct the buildings and other structures surrounding the proprietary module. Energy Northwest does not intend to assign the X-energy design contract to the design-build team. Rather, the design-build team will work collaboratively with X-energy to provide a constructability review and implement X-energy’s proprietary design, integrate the design-builder’s design for the remainder of the project, and construct the entire facility.

2. Projected Total Cost for the Project:

A. Project Budget - Costs in Millions

Costs for Professional Services (A/E, Legal etc.)	\$140.0
Estimated project construction costs (<i>including construction contingencies</i>):	\$1,007.0
Equipment and furnishing costs	\$1,684.8
Off-site costs	\$176.3
Contract administration costs (owner, cm etc.)	\$199.1
Contingencies (design & owner)	\$651.6
Other related project costs (briefly describe)	\$412.2
Sales Tax	\$33.4
Total	\$4,304.4

The budget for this project does not fit well within the categories above. The budget above encompasses all costs for the project, including the costs for X-energy and fuel. The portion of the budget allocated to the design-builder costs is currently estimated at approximately \$530.6 million.

B. Funding Status

Please describe the funding status for the whole project. *Note: If funding is not available, please explain how and when funding is anticipated*

Energy Northwest has secured \$15 Million in initial funding and anticipates receiving \$3.85 Billion in future funding. Eighty percent of the funding will be coming from a loan through the United States Department of Energy. The remaining funding will be obtained through private investment, which is currently being negotiated. Energy Northwest will not proceed with any portion of the project that is not fully funded.

3. Anticipated Project Design and Construction Schedule

Please provide:

The anticipated project design and construction schedule, including:

- a) Procurement;
- b) Hiring consultants if not already hired; and
- c) Employing staff or hiring consultants to manage the project if not already employed or hired.

Project Task	Target Date
Procure Owner Engineer	Sept 2024
Project Review Committee (PRC) Meeting/Approval	Sept 2024
Request for Qualifications (RFQ) Advertisement	December 2024
Shortlist Finalized/Issue Request for Proposals (RFP)	March 2025
Proposals Due/Select DB Team	June - July 2025
Preliminary DB Services Start	August 2025
Anticipated Construction Start	February 2028
Substantial Completion	September 2033

4. Explain why the DB Contracting Procedure is Appropriate for this Project

Please provide a detailed explanation of why use of the contracting procedure is appropriate for the proposed project. Please address the following, as appropriate:

- If the construction activities are highly specialized and a DB approach is critical in developing the construction methodology (1) What are these highly specialized activities, and (2) Why is DB critical in the development of them?

There are very few projects that are more highly specialized than a nuclear facility. This project requires a design-build team that has the expertise to implement the construction of X-energy’s proprietary design and to design and construct a facility around that design that seamlessly integrates with the requirements for the proprietary process. Energy Northwest has considered other delivery methods; however, none of them have the advantages of progressive design-build. The constructor must have specific experience with the construction of nuclear facilities. The ability of public agencies to use supplemental bidder criteria will not be sufficient to select the most highly qualified firm. In addition, X-energy’s design is only for a portion of the facility. This project will benefit from a design-build team with specialized experience in nuclear facilities and who has the capability to both integrate the design as well as incorporate the specialized means and methods unique to the nuclear industry that will create significant efficiencies and result in a better project. Further, the entire design must meet the strict permitting requirements for nuclear facilities. Therefore, Energy Northwest will significantly benefit from a team that understands the permitting requirements, completes a design that incorporates the requirements, and then successfully commissions and closes the project.

- If the project provides opportunity for greater innovation and efficiencies between designer and builder, describe these opportunities for innovation and efficiencies.

As noted above, engaging a highly experienced designer integrated with a highly experienced constructor in this very specialized field will create significant efficiencies in both integrating the X-energy proprietary design with the design of the remainder of the facility and incorporating construction means and methods that are specific to this highly specialized field. Further, this project is utilizing new technology and will be only the second of these projects to be built. Energy Northwest will be looking for a collaborative team that can be nimble and fully integrated with the team to address issues that may arise in both the design of the remainder of the facility and in the construction.

- If significant savings in project delivery time would be realized, explain how DB can achieve time savings on this project.
Because this project is one of the first of its kind, it is unknown whether significant time savings will be achieved over similar projects; however, progressive design-build provides time savings and efficiencies in integrating the design and construction team, as well as a shortened period of time for procurement.

5. Public Benefit

In addition to the above information, please provide information on how use of the DB contracting procedure will serve the public interest. For example, your description must address, but is not limited to:

- How this contracting method provides a substantial fiscal benefit; or
The total project is estimated to be between \$3.5 and \$4.3 billion. The portion allocated to the design-build team is estimated to be \$530.6 million. Projects of this size are extraordinarily difficult to both price and manage the risk. Without using progressive design-build, the construction industry will either refuse to submit proposals or bids or inflate the cost of the work to account for unknown and possibly improperly allocated risks. The most efficient and fair way to make sure that the risk is allocated appropriately is to work with the design-build team to do a deep dive into the risks that are specific to the project and then negotiate the allocation of each risk. Further, as the project is utilizing new technology, having the design-builder work collaboratively with both Energy Northwest and X-energy will provide relevant, timely information on costs that will inform and allow for the efficient development of the project's final commercial terms.
- How the use of the traditional method of awarding contracts in a lump sum (*the "design-bid-build method"*) is not practical for meeting desired quality standards or delivery schedules.
Although WA allows for limited examination of design-bid-build contractors through the use of supplemental bidder criteria, the specialized design and construction expertise in this project cannot be fully examined through this selection tool. Further, this project will derive significant benefits through the integration of a specialized constructor with the design team. That type of integration is not possible in design-bid-build. Finally, design-bid-build does not allow for a collaborative allocation of risks between the parties so that the risks are not unfairly shifted to the contractor or incorporated into large contingencies in the lump sum price.

6. Public Body Qualifications

Please provide:

- A description of your organization's qualifications to use the DB contracting procedure.
Energy Northwest has assembled a qualified team to assist with the design-build process. They have hired Robynne Thaxton, JD, FDBIA, and Geoff Neumayr, SE, DBIA, of Progressive Design-Build Consulting LLC, to provide procurement, contract, and progressive design-build strategy services. This project requires specialized technical assistance from an Owner's Engineer experienced in the development of nuclear facilities; therefore, Energy Northwest is currently finalizing the selection process for an Owner's Engineer with this expertise. However, progressive design-build is new to this industry. Therefore, Energy Northwest has hired Becky Blankenship, FDIBA, Stacy Shewell, DBIA, and the team at Hill International, who will work with the entire team to provide project management and progressive design-build expertise as the owner's progressive design-build advisor. Hill International is not only an extremely experienced owner's advisor in progressive design-build, Hill is also a very large organization with experts in the development of nuclear facilities to assist Energy Northwest further. Although this structure seems complex, Hill and PDBC have worked together on many PDB projects and have established a seamless working relationship. Energy Northwest is working with PDBC and Hill to establish lines of communication and collaborative strategies. The team has already scheduled several day-long workshops to fully prepare the EN team for progressive design-build, including establishing decision-making and lines of approval authority, determining a preliminary work group structure, and training in the management of a PDB project.

In addition, the Energy Northwest staff has a great deal of experience in capital projects.

For short biographies and project experience, please see the description below and Attachment B.

- A project organizational chart, showing all existing or planned staff and consultant roles.

Note: The organizational chart must show the level of involvement and main responsibilities anticipated for each position throughout the project (for example, full-time project manager). If acronyms are used, a key should be provided. (See Attachment C for an example.)

Please see Attachment A—EN Organizational Chart. The individuals listed in the organizational chart are the people currently assigned to the project's management. These individuals lead and represent teams of people working under them who will implement this very complex project. Further, as the project progresses and the funding increases, Energy Northwest is developing an onboarding strategy to bring additional individuals onto the team.

- Staff and consultant short biographies that demonstrate experience with DB contracting and projects (not complete résumés).

Ken Langdon - Nuclear Development General Manager

Ken joined EN in 2023 with 35 years of nuclear experience. Ken served in the U.S. Navy for 8 years and has an extensive background in management at various nuclear organizations, including Site Vice President at Nine Mile Point for Constellation Energy, Director of Operations at Diablo Canyon Power Plant, Plant Manager at Sequoyah Nuclear Plant for Tennessee Valley Authority, Vice President of Operational Readiness for Westinghouse Electric Company and Vice President of Operations and Plant Services for NuScale Power, LLC. Ken holds a BS in Workforce Education and Development and a Senior Reactor Operator Certification from LaSalle County Nuclear Station.

Marie Thomas - Project Development and Delivery Manager

Marie has over 16 years of experience in engineering procurement, construction, and energy organizations. Marie has worked at EN for 11 years, holding management positions in risk management, strategic planning, and project long-range planning. Marie has a BS in Mechanical Engineering and a MS in Engineering and Technology Management.

Lisa Williams - Operations, Licensing & Environmental Manager

Lisa has over 30 years of commercial nuclear power experience and has worked at Energy Northwest for 20 years. At Columbia Generating Station, Lisa earned a Senior Reactor Operator license and has held management positions in Operations, Work Control, Regulatory Affairs, and Reactor Fuels Engineering, including Work Control Manager, Control Room Supervisor, Licensing Supervisor, Fuel Design & Safety Analysis Supervisor, and Fuel Procurement Program Manager. Additionally, Lisa supported the construction of the Urenco enrichment facility in New Mexico and has held positions in reactor engineering, systems engineering, and design engineering. Lisa has a BS in Nuclear Engineering.

Denise Brandon - Engineering Manager,

Denise has over 20 years of commercial nuclear experience. Prior to this, she worked at Columbia Generating Station as the Work Management Director, maintaining effective work control processes, leading Online and Outage Risk Management programs for safe, reliable plant operations; Quality Assurance Manager reporting to the Chief Nuclear Officer; and held various Engineering Management positions including but not limited to the Design Engineering Manager acting as the design authority leading mechanical, electrical / I&C, civil, and stress engineering, plus minor modifications, design, and drafting groups. Denise has a BS in Electrical Engineering and a master's in business administration.

Jessica Hansen – Project Manager

Jessica is an accomplished project manager with over 15 years of experience in the nuclear industry, currently serving as a New Nuclear Project Manager at Energy Northwest. She has demonstrated a strong ability to lead and manage multiple complex projects, effectively coordinating with peers, contractors, and senior management. Jessica is adept at navigating the dynamic nature of nuclear project development, consistently delivering results by creating comprehensive schedules, developing funding scenarios, and ensuring compliance with governance policies and procedures. Jessica holds a bachelor's degree in communication from Washington State University, with a focus on Public Relations and Women's Studies. She is a certified Project Management Professional and has completed numerous

training courses, including Earned Value Management and Primavera scheduling. Jessica is currently in line to obtain his Associate DBIA Certification in the Fall/Winter of 2024.

Richard Shaff – Business Support Manager

Richard has over 30 years of procurement and contracting experience, of which 24 years are Federal and Washington State government contracting experience. Richard has worked for Energy Northwest for 18 years, with 15 years as contracts supervisor and three years as the Business Support Manager for Energy Services and Development. Richard has a Diploma in Professional Accounting from Yakima Business College. Additional continuing education credits in advanced procurement issues and contract pricing from GWU Law School.

Cassy Otto – Procurement Supervisor

With over 20 years of professional experience in the nuclear industry and more than 10 years in nuclear procurement, Cassy currently serves as a procurement supervisor for Energy Northwest. Cassy has extensive experience with Washington State's Revised Code of Washington (RCW) statutory requirements for state agencies. She possesses working knowledge and experience with the Washington Administrative Code and Federal Acquisition Regulation regulations. Cassy is known for her expertise in navigating complex regulatory frameworks and ensuring compliance in procurement processes. She has a proven track record of leading procurement teams to successfully manage contracts while maintaining high standards of safety and efficiency. Cassy's ability to adapt to changing regulations and provide strategic oversight has made her an asset in the nuclear procurement field. Cassy is currently in line to obtain her Associate DBIA Certification in the Fall/Winter of 2024.

Paul Schut – Procurement Specialist

Paul has been a Procurement Specialist for Energy Northwest for just over four months but has over ten years of professional experience in Washington State public procurement and contracting, primarily on public works projects. With his previous employer, as a Procurement & Contracting Coordinator, he completed the procurement and contracting process for four progressive design-build projects ranging from \$9 million to \$35 million in size. Paul is currently in line to obtain his Associate DBIA Certification in the Fall/Winter of 2024.

Robynne Thaxton JD, FDBIA, Progressive Design-Build Consulting, LLC

Robynne is one of the leading experts in construction law and alternative procurement both in Washington State and on a national basis. Robynne has served on the Washington State Capitol Projects Advisory Review Board since 2019 and is co-chair of the CPARB Board Development Committee. In addition, she served on the National Design Build Institute of America Board of Directors from 2010 – 2016 and was named to the inaugural class of DBIA Designated Fellows. She is the current Chair of the DBIA National Progressive Design-Build Committee, which is responsible for drafting the DBIA Deeper Dive in Progressive Design-Build, developing the DBIA Progressive Design-Build Best Practices Class, and the DBIA Best Practices in Progressive Design-Build. She is the former chair of the DBIA National Education Committee as well as the Legal and Legislation Committee, where she was instrumental in drafting and revising the DBIA form contracts and subcontracts and revising the DBIA Design-Build Universal Best Practices. Robynne was named as a Washington Super Lawyer from 2010-2024 and is the 2021 recipient of the DBIA Distinguished Leadership Award. She is also a frequent lecturer for universities and industry organizations. Robynne has developed a specific expertise in the area of progressive design-build and is one of only a few approved instructors for DBIA's Progressive Design-Build Best Practices class. Robynne has worked on more than 40 PDB projects with a value in excess of \$6 billion. Representative clients include WSDOT, Sound Transit, the Port of Seattle, the State of Washington, King and Spokane Counties, the cities of Seattle, Tacoma, Spokane, Portland, Wenatchee, and Washougal, Western Washington University, the New York City Public Housing Preservation Trust, and the Toronto Transit Commission.

Geoff Neumayr, SE, DBIA, Progressive Design-Build Consulting, LLC

Geoff is the recently retired Chief Development Officer for the San Francisco International Airport Design and Construction Division and was responsible for the long-term planning, development, and design & construction of all SFO's infrastructure projects. Geoff will be joining Progressive Design-Build Consulting as of September 1 to provide PDB consulting and strategic services. Geoff has over 40 years of experience in the design and construction industry, including over 23 PDB projects totaling over \$9

billion. Geoff co-developed the DBIA Progressive Design-Build Primer and the DBIA Progressive Design-Build Best Practices course and is one of the few instructors for the course. Geoff was responsible for implementing the incredibly successful progressive design-build program at SFO in 2008 and is a recent chair of the National Design-Build Institute of America Board of Directors. Geoff has received numerous awards, including the 2020 CMAA National Owner of the Year, the CMAA National Special Award of Innovation, and the 2017 Top 25 Newsmakers of the Year.

Becky Blankenship, FDBIA, Principal in Charge, Hill International, Inc.

Becky will serve as the Principal in Charge and local point of contact for Hill on this project, ensuring Energy Northwest's needs are fully met and that her team is supported throughout the project. She has extensive experience leading and overseeing alternative delivery teams as a designer, a construction manager, and an owner advisor. She has served in a leadership role on 28 PDB projects, placing an emphasis on team dynamics, innovative processes, and continuous improvement of the delivery method. She has served as both Principal in Charge and Alternative Delivery Advisor for mega projects ranging from \$3.98 to \$6.9 billion dollars. Becky was recently recognized by the Design-Build Institute of America (DBIA) as a Fellow, largely due to her dedication to training and guiding new owners through the PDB process.

Stacy Shewell DBIA, PMP, DB Advisor, Hill International

Stacy has more than a decade of experience in the construction industry with a proven track record in alternative delivery of both Design-Build and GC/CM projects. She has worked on multiple Design-Build projects varying in scope, complexity, and design-build procurement style, from traditional to progressive, with a combined value of over \$500 million dollars. On these projects, she has acted both in Advisor and Project Manager roles, overseeing the procurement process, ensuring compliance with WA State RCWs, and managing ongoing projects to ensure successful implementation of the alternative delivery process. Her Design-Build projects include two that were honored at the national level by DBIA for excellence in teaming and process.

Peter McMillin, PMP, Sr. Project Manager, Hill International

Peter has more than 40 years of experience with project and construction management. His expertise includes project controls, strategic planning, reviewing documents, estimating costs, negotiating contracts, developing cost and management proposals, and monitoring for compliance. Peter's experience includes serving as the Principal Project Manager for the National Nuclear Security Administration, Nevada National Security Site (NNSS) Device Assembly Facility in Las Vegas, Nevada; the Los Alamos National Laboratory, TA-55 Nuclear Materials Safety and Security Upgrade Project in New Mexico; the San Onofre Nuclear Generating Station in California; the Bellefonte Nuclear Plant in Hollywood, Alabama; and the Yucca Mountain Nuclear Waste Repository in Tonopah, Nevada. Peter was previously the president of Zygotech, Inc. in Richland, Washington, where he led various projects including nuclear facilities and nuclear pipe fabrication. Peter collaborated with multiple clients, such as the DOE, the U.S. Bureau of Reclamation, the Washington Public Power Supply System, U.S. Army Corps of Engineers, Portland General Electric, state and county agencies, and other private companies.

Daveylyn Berkenkotter, Vice President, Project Manager, Hill International

Daveylyn has over 28 years of project management experience developing multi-discipline projects from start to finish. She has spent 18 years at San Onofre Nuclear Generating Station, where she has been promoted to a wide variety of groups within the plant, both as a contract worker and a direct employee of Southern California Edison. She has successfully managed all parts of multiple high-risk projects, including pre-construction planning, procurement, execution, commissioning, and closeout. She is responsible for contract negotiation, risk management, project scope, budget, and schedule; and routinely provides project strategic plans and status updates to senior management teams.

Joseph Lemmo, Sr. Project Controls Manager, Hill International

Joseph has more than 47 years of experience working on engineering and construction projects with a combined value of over \$1.2 billion. He brings expertise in management, technical consulting, project controls, cost engineering, and scheduling. His project experience includes airport runway, taxiway, and infrastructure; electrical power infrastructure transmission, sub-transmission, substation, and distribution;

environmental; and information technology. He performed project controls in a leading role on the San Onofre Nuclear Generating Stations 1, 2, and 3 in San Clemente, California.

Stephen Jeppson, Lead Scheduler, Hill International

Stephen has more than 25 years of experience in schedule management for major construction projects. He served as the scheduler on the Southern California Edison, San Onofre Nuclear Generating Station. In this role, Stephen planned, tracked, analyzed, and reported on projects of varying contract types such as hard bid, design-build, cost-plus-profit, and of varying sizes from 30 activities to over 60,000 + activities in the Integrated Master Schedule (IMS). He developed project Work Breakdown Structures (WBS), baselines, templates, project control coding, schedule layouts, resource and calendar libraries, resource histograms, "What if" scenarios, and Primavera, SAP, and Knowledge Relay reports.

Merry Valdez, Cost Estimating Engineer, Hill International

Merry has 27 years of expertise in project controls supporting engineering, procurement/subcontracts, and construction. Merry was responsible for writing roles, responsibilities, and policies for the Task (Project) Manager in the newly developed Office of Hanford Acquisitions department supporting the Hanford Nuclear Waste site in Hanford, WA. On the \$12.3 billion U.S. Department of Energy (DOE) \$12.3 billion Waste Treatment and Immobilization Plant Project in Richland, WA, Merry was responsible for gathering data based on schedule, performance, actuals, and forecasts in cost and schedule. She developed and maintained monthly contractual reporting to DOE. She analyzed change requests for accuracy and EVMS compliance and assisted the requesting party with preparing to present to executive management and DOE directors.

Jose Diaz, Construction Manager, Hill International

Jose brings more than 45 years of engineering, project, and construction management experience to the team. Jose is an expert in construction and project management, geotechnical and environmental engineering and construction claims analysis. He is also adept at cost engineering, including the development of complex cost models relating to commercial interactions between stakeholders, including private developers and public agencies. His experience encompasses a wide variety of projects, including educational, retail and commercial buildings; transportation facilities such as highways and rail yards; major industrial facilities, such as pharmaceutical processing plants, fossil and nuclear power plants; sanitary and industrial waste landfills; superfund remediation sites; and chemical handling and recycling facilities. Jose's energy projects include the Bloom Energy Corporation Red Lion Energy Center in New Castle, Delaware; Brookside Energy Center in Newark, Delaware; and Point Aconi Generating Station, Cape Breton, Canada. Jose also spent 11 years in the role of Corporate Engineer for both American Electric Power Service Corporation in New York and PSE&G in New Jersey.

Bill Riggins, JD, MBA, Modus Strategic Solutions, Inc.

Bill has more than 40 years of experience across the utility and energy industries, including utility planning, construction management and operations, compliance oversight, and contract and risk management. He has extensive experience providing legal advice to the energy industry, including serving as President and CEO of Pegasus Global Holdings, Inc., and general counsel to multiple energy companies.

Eric Gould, Co-Founder and Partner, Modus Strategic Solutions, Inc.

Eric has more than 25 years of experience in the construction industry, and provides clients with project oversight and strategic advice on large capital projects. At the core, Eric is a problem solver. He excels at dissecting issues – whether it's an idea, strategy, or method of execution – to see what makes sense, what doesn't, and how it can be better, more efficient, and ultimately more effective. This expertise, partnered with a true passion for the business, benefits project owners by advising the Board of Directors, project executives, construction managers, project teams, and other engaged stakeholders to help navigate the complexities of large capital projects. Specifically, Eric has tracked and consulted on the planning, development, procurement, construction, and rehabilitation of more than 18,000 MW of electric power in North America. His experience spans all types of power generation, leading project oversight, assessment, risk management, dispute resolution, and expert testimony for the Modus team.

- Provide the ***experience and role on previous DB projects*** delivered under RCW 39.10 or equivalent experience for each staff member **or consultant** in key positions on the proposed project.

See Attachment B – Project Experience.

- The qualifications of the existing or planned project manager and consultants.
Note: For Design-Build projects, you must have personnel who are independent of the Design-Build team, knowledgeable in the Design-Build process, and able to oversee and administer the contract.

See the above short biographies and Attachment B – Project Experience.

- If the project manager is interim until your organization has employed staff or hired a consultant as the project manager indicate whether sufficient funds are available for this purpose and how long it is anticipated the interim project manager will serve.

N/A

- A brief summary of the construction experience of your organization's project management team that is relevant to the project.

EN has been in operation for over 40 years, during which time our team has amassed a vast amount of experience in successfully delivering construction projects. These projects range in scope and scale from thousands to tens of millions of dollars, showcasing our expertise and commitment to excellence in the energy sector. The projects listed in Attachment C only showcases a small sample of projects that EN has successfully completed.

See Attachment C – Construction Experience.

- A description of the controls your organization will have in place to ensure that the project is adequately managed.

Project Management and Decision-Making – Authority and decision-making responsibility are provided by Energy Northwest, and implementation will be accomplished by Becky Blankenship. Becky will be supported by a full team of professionals highly experienced in both nuclear and mega projects. As noted above, Energy Northwest is embarking on several day-long workshops with PDBC and Hill to establish clear lines of authority with respect to decision-making and develop work groups with Energy Northwest and Owner's Engineer staff assignments as well as project committees and an escalation ladder to implement the day-to-day management of the project. Hill International staff will meet regularly with Energy Northwest staff and the Owner's Engineer to discuss project/program needs and milestones and develop strategy recommendations and courses of action to both manage the project and address specific project issues. Becky will be the PDB team's point of contact.

Communications – Hill International, in partnership with Energy Northwest, the Owner's Engineer and the design-build team, will use a variety of well-established formal and informal tools to provide effective communications with all of those involved in the project. At the appropriate time, Energy Northwest will advertise the PDB RFQ via common solicitation platforms. During the RFP phase, the Selection Committee will meet with the shortlisted firms in interactive meetings to discuss project objectives and approaches and provide feedback. PDBC is conducting training in PDB for the EN staff and will provide oversight to establish and implement PDB Best Practices. During project implementation, regular project meetings will occur between the Owner PM team, leadership, project stakeholders, and the PDB team to ensure the project is progressing as expected by the owner. Formal and informal interim reviews of drawings, schedules, and budgets will also be conducted.

Budget Monitoring—Hill International and the Owner's Engineer will manage and track the program finances. Energy Northwest will receive financial reporting on a regular basis. Energy Northwest will

maintain an owner contingency in the project budget to address any unforeseen conditions, owner betterment changes, and appropriate change orders. The project team will establish a Target Budget at the completion of the Phase 1 Validation Period, and the final Guaranteed Maximum Price of the project will be established via contract amendment at the conclusion of the Design and Preconstruction period in Phase 1. PDBC will review all contract amendments to ensure that relevant documentation is included.

Schedule - The overall target project schedule will be provided in the PDB RFQ. During project validation, input from the PDB team and the Owner's Engineer will inform us of the updated schedule. At the completion of the Validation Period, the parties will negotiate a Target Schedule, and the PDB GMP amendment will contractually obligate the Design-Builder to substantial and final completion dates. The design-builder will be required to provide monthly schedule updates, which will be reviewed by Hill International's controls staff.

Design and Construction. The design-build contract requires robust communication and open book development of the project budget and scope. It also implements a system of design management that includes design and trend logs to track the development of the design from the basis of design documents through the approval and implementation of the construction documents. The Owner's Engineer will be responsible for reviewing the design submissions and for monitoring the quality assurance and commissioning of the project. Robynne Thaxton will work with Hill and the Owner's Engineer to ensure that the project is running smoothly and following industry best practices.

- A brief description of your planned DB procurement process.

Energy Northwest will select the design-build team using a "progressive design-build" approach fully consistent with RCW 39.10. Energy Northwest will first issue a Request for Qualifications to solicit design-build teams with the appropriate experience to perform the work. Energy Northwest will then evaluate the responsible proposers submitting responsive SOQs and create a short list of no more than four finalists. The RFQ will request information on the Proposer's experience, including past performance in the utilization of certified small, veteran, minority-owned, and women-owned businesses.

Energy Northwest intends to conduct multiple confidential meetings with the finalists prior to the submission of the proposal to allow finalists to ask questions and provide feedback on the draft contract. In addition, the Proposers will participate in interactive meetings that will allow Energy Northwest to evaluate the Design-Build Team's collaborative skills.

The finalists will submit technical and price proposals in response to the RFP. Energy Northwest will reserve the right to conduct interviews to allow finalists to explain their proposals and the evaluation team to ask questions regarding the proposals. Energy Northwest will then evaluate the finalists strictly in accordance with the criteria established in the procurement documents. Energy Northwest will then select the finalist with the highest score to begin the contract negotiation process.

Energy Northwest will base its evaluative criteria primarily on the qualifications of the individuals and companies on the design-build team, including their successful completion of projects of similar scope and complexity and their previous successful experience with businesses certified by OMWBE as well as small and veteran-owned businesses. Energy Northwest will pay particular attention to the finalists' management plans, project control plans, design management and construction scheduling plans, experience, and inclusion plans for certified businesses. Energy Northwest is in the process of determining the appropriate "cost or price-related factor" for this project. At a minimum, Energy Northwest will be requesting the Design-Builder's overhead and profit fee percentage. Energy Northwest and the design-builder will work collaboratively to develop a Guaranteed Maximum Price after the Project is awarded.

- Verification that your organization has already developed (or provide your plan to develop) specific DB contract terms.

Robynne Thaxton will work with Energy Northwest as well as outside counsel Bill Riggins, who has specific experience with the design and construction of nuclear facilities to develop the design-build contract and general conditions. The provisions that are specific to progressive design-build will be ones that Robynne has used with many past clients and will incorporate national PDB best practices. Ms. Thaxton's philosophy is to draft fair contracts consistent with design-build best practices. As noted above, not only does Ms. Thaxton have decades of experience drafting design-build contracts across the country, but she was also involved with drafting the DBIA Best Practices primers for both traditional and

progressive design-build projects. Ms. Thaxton was the vice-chair of the CPARB RCW 39.10 reauthorization committee; therefore, she is fully informed of the requirements of RCW 39.10. Mr. Riggins has decades of experience in the energy industry and is Energy Northwest's outside counsel for construction and other issues.

7. Public Body (your organization) Construction History:

Provide a matrix summary of your organization's construction activity for the past six years outlining project data in content and format per the attached sample provided: *(See Attachment E. The applicant shall use the abbreviations as identified in the example in the attachment.)*

- Project Number, Name, and Description
- Contracting method used
- Planned start and finish dates
- Actual start and finish dates
- Planned and actual budget amounts
- Reasons for budget or schedule overruns
- Small-, minority-, women-, and veteran-owned business participation planned and actual utilization

[See Attachment C – Construction Experience.](#)

8. Preliminary Concepts, sketches or plans depicting the project

To assist the PRC with understanding your proposed project, please provide a combination of up to six concepts, drawings, sketches, diagrams, or plan/section documents which best depict your project. In electronic submissions these documents must be provided in a PDF or JPEG format for easy distribution. Some examples are included in attachments E1 thru E6. At a minimum, please try to include the following:

- A overview site plan *(indicating existing structure and new structures)*
- Plan or section views which show existing vs. renovation plans particularly for areas that will remain occupied during construction.

Note: applicant may utilize photos to further depict project issues during their presentation to the PRC

[See Attachment D – Site Plan Overview.](#)

9. Resolution of Audit Findings On Previous Public Works Projects

If your organization had audit findings on any project identified in your response to Question 7, please specify the project, briefly state those findings, and describe how your organization resolved them.

N/A

10. Subcontractor Outreach

Please describe your subcontractor outreach and how the public body will encourage small-, minority-, women-, and veteran-owned business participation.

The RFQ will require Proposers to demonstrate their past experience with the inclusion of small, minority, women, and veteran-owned businesses. The RFP will require the Finalists to submit their experience and strategies for outreach to State or Federally certified minority-owned, woman-owned, veteran-owned, small, and disadvantaged businesses. The responding firms will be required to disclose their success rate on recent projects in encouraging and achieving business equity participation and include in their narrative a target percentage for inclusion of business equity on this project. The RFP will also ask submitters to include in their narrative a plan that describes the steps the firm will take to achieve this goal. The plan should describe how the firm will reach out and work with diverse businesses to provide opportunities for participating in the work associated with this project. Particular attention will be given to firms that can show successful participation in geographical areas where business equity tends to be lower. Inclusion plans will be evaluated not only on outreach but also on the proposer's plan to assist diverse businesses with participation in the project and seek out businesses that have not been certified to assist them with certification. In addition, the project will have federal funding and specific federal DBE requirements.

Progressive design-build is an extremely effective delivery method to achieve high participation from diverse businesses. The design-builder isn't limited by a requirement to select based on a low bid. One of the reasons progressive design-build is a particularly effective way to achieve these goals is that the owner can become involved with the selection of subcontractors and approve any additional costs associated with packaging the Work to increase participation, outreach efforts, and training.

Energy Northwest also wants to note that we realize the challenges that Public Owners face in Eastern Washington, which surround the lack of certified small, minority, women, and veteran-owned businesses. However, we also realize that a project of this size and nature presents a unique opportunity to change that narrative and greatly expand upon the group of certified OMWBE businesses. We will commit to working closely with the selected design-builder to develop and, most importantly, implement the plan/program that is required as part of this project, as it will benefit not only Energy Northwest directly in the future but also Washington State as a whole.

Energy Northwest has already hired Progressive Design-Build Consulting LLC, which is a certified woman-owned business, for consulting.

CAUTION TO APPLICANTS

The definition of the project is at the applicant's discretion. The entire project, including all components, must meet the criteria of RCW 39.10.300 to be approved.

SIGNATURE OF AUTHORIZED REPRESENTATIVE

In submitting this application, you, as the authorized representative of your organization, understand that: (1) the PRC may request additional information about your organization, its construction history, and the proposed project; and (2) your organization is required to submit information requested by the PRC. You agree to submit this information in a timely manner and understand that failure to do so may delay action on your application.

The PRC strongly encourages all project team members to read the [Design-Build Best Practices Guidelines](#) as developed by CPARB and attend any relevant applicable training. If the PRC approves your request to use the DB contracting procedure, you also agree to provide additional information if requested.

The 2021 Legislature updated [RCW 39.10.330\(8\)](#) stating that Design-Build contracts must require the awarded firm to track and report to the public body and to the office of minority and women's business enterprises (OMWBE) its utilization of the OMWBE certified businesses and veteran certified businesses. By submitting this application, you agree to include these reporting requirements in project contracts.

I have carefully reviewed the information provided and attest that this is a complete, correct and true application.

DocuSigned by:
Cassandra Otto
Signature: 2AE9CA5EE29D4BC

Name: *(please print)* Cassandra Otto *(public body personnel)*

Title: Procurement Supervisor

Date: 8/20/2024



Energy Northwest Executive Board

Robert Schuetz
Chief Executive Officer

Gregory Cullen
VP of Energy Services & Development

Kenneth Langdon
GM of Nuclear Development

Richard Shaff
Business Support Manager

Bill Riggins
Outside Legal—Modus Strategic Solutions

Outside Consultants

Robynne Thaxton JD, FDBIA
Progressive Design-Build Consulting,
PLCC
& Geoff Neumayr

Becky Blankenship, FDBIA
Principal in Charge
Hill International, Inc.
& Stacy Shewell, Peter McMillian,
Daveylyn Berkenkotter, Joseph
Lemmo, Stephen Jeppson, Merry
Valez, Jose Diaz

Eric Gould
Partner
Modus Strategic Solutions, Inc.

Owner's Engineer
(in procurement selection process)

Lisa Williams
Operations, Licensing, & Environmental
Manager

Christopher Maxwell
Operational Readiness Manager

Don Gregoire
Licensing Manager (C)

Denise Brandon
Engineering Manager

Marie Thomas
Project Development & Delivery Manager

Jessica Hansen, PMP
Project Manager II

Michael Bensussen
Project Scheduler (C)

Cassandra Otto
Procurement Supervisor

Paul Schut
Procurement Specialist III

Attachment B – Project Experience

Project Name	Project Size	Project Type	Role During Project		
			Planning	Design	Construction
Energy Northwest					
Paul Schut (Experience while working for Benton County)					
Benton County Juvenile Justice Center	\$16.5M	PDB	Owner/Procurement Specialist	N/A	N/A
Benton County Justice Center HVAC	\$9M	PDB	Owner/Procurement Specialist	N/A	N/A
Benton County Fairgrounds Rodeo Arena Renovation	\$10M	PDB	Owner/Procurement Specialist	N/A	N/A
Benton County Three Rivers Behavioral Health Recovery Center	\$35M	PDB	Owner/Procurement Specialist	N/A	N/A
Progressive Design-Build Consulting, LLC Recent/Relevant Alternative Contracting Experience					
Robynne Thaxton, JD, FDBIA 35 years legal experience, 33 years construction experience, including consulting, drafting contracts, conducting national DBIA classes in contracts and risk management and progressive design-build. Over 40 progressive design-build projects					
Sound Transit Operations and Maintenance Facility South	\$1.2B	DB	Attorney/consultant	Attorney/consultant	Attorney/consultant
City of Ellensburg Fieldhouse Project	\$15M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
City of Washougal 32 nd St RR Crossing Project	\$65M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
WWU Student Development and Success Center	\$30M	PDB	Consultant	Consultant	Consultant
WSDOT SR 167-161 Project	\$500M	PDB	Consultant	Consultant	Consultant
City of Tacoma Water Maintenance Warehouse	\$17M	PDB	Attorney	Attorney	Attorney
City of Tacoma Water Pump Station	\$10M	PDB	Attorney	Attorney	Attorney
Toronto Transit Commission, Bloor-Yonge Subway expansion	\$2B	PDB	Consultant	Consultant	Consultant
WSDOT/Kitsap Fish Passages Project	\$400M	PDB	Consultant	Consultant	Consultant
Pasco Public Facilities District Aquatics Facility	\$30M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
City of Wenatchee Confluence Parkway Project	\$180M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
Wenatchee Valley YMCA	\$28M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
Spokane County Operations Center	\$20M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
City of Spokane Valley City Hall Renovation	\$13M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
Kedren Health Care	\$200M	PDB	Consultant	Consultant	Consultant
Grant PUD Power Delivery Facility	\$100M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant
Benton County Juvenile Justice Center	\$16.5M	PDB	Attorney/Consultant	Attorney/consultant	Attorney/consultant

Benton County Three Rivers Behavioral Health Recovery Center	\$35M	PDB	Attorney/ Consultant	Attorney/ consultant	Attorney/ consultant
WWU, Coast Salish House of Healing	\$3.5M	PDB	Consultant	Consultant	Consultant
Blue Mountain Community College, Farm II Project	\$11M	PDB	Consultant	Consultant	Consultant
Haines Borough, AK, Lutak Dock Replacement	\$25M	PDB	Consultant	Consultant	Consultant
WSDOT US101/SR 109 Fish Barriers Project	\$190M	PDB	Consultant	Consultant	Consultant
City of Pasco, Zone 3 Water Storage Facility	\$29M	PDB	Consultant	Consultant	Consultant
City of Seattle Elevator Modernization Project	\$50M	DB	Attorney/ Consultant	Attorney/ consultant	Attorney/ consultant
Bonneville Power Administration Secondary Capacity Model	\$500M	PDB	Consultant	Consultant	Consultant
Bonneville Power Administration Ross Complex	\$700M	PDB	Consultant	Consultant	Consultant
University of California, San Diego Triton Pavilion Project	\$250M	PDB	Consultant	Consultant	Consultant
East County Advanced Water Purification Project	\$400M	PDB	Consultant	Consultant	Consultant
City of West Richland Police Station	\$12M	PDB	Consultant	Consultant	Consultant
City of Richland Fire Station/Public Safety 73 and 75	\$9M	PDB	Consultant	Consultant	Consultant
City of Tacoma Cushman Re-wind	\$30M	DB	Consultant	Consultant	Consultant
City of Tacoma Alder Re-Wind	\$4M	DB	Consultant	Consultant	Consultant
Morrow County, OR Administration Bldg.	\$8M	PDB	Consultant	Consultant	Consultant
City of Bothell Fire stations 42 and 45	\$35M	PDB	Consultant	Consultant	Consultant
Western Washington University New Residence Hall Project	\$65M	PDB	Consultant	Consultant	Consultant
WWU Academic Support Services Project	\$10M	PDB	Consultant	Consultant	Consultant
Seattle City Light Cedar Falls project	\$13M	DB	Consultant	Consultant	Consultant
Seattle City Light Boundary Dam Re-wind project	\$40M	DB	Consultant	Consultant	Consultant
Okanogan County PUD Enloe Dam Project	\$40M	PDB	Consultant	Consultant	Consultant
SeaTac International Arrivals Facility	\$700M	PDB	Consultant	Consultant	Consultant
SeaTac Auxiliary Utility Facility	\$28M	System Procure ment	Consultant	Consultant	Consultant
SeaTac Concourse D Hardstand	\$30M	DB	Consultant	Consultant	Consultant
City of Spokane Post Street Bridge	\$11M	PDB	Consultant	Consultant	Consultant
City of Spokane Riverfront Pavilion	\$19M	PDB	Consultant	Consultant	Consultant
Grant Count Load Growth Project	\$40M	PDB	Consultant	Consultant	Consultant
Grant County PUD Substation Reliability Project	\$27M	PDB	Consultant	Consultant	Consultant
City of Richland Town Hall Project	\$12.5M	PDB	Consultant	Consultant	Consultant
City of Richland Fire Station #74	\$3.2M	PDB	Consultant	Consultant	Consultant
Los Angeles County Correctional Treatment Facility	\$1.2B	DB	Consultant	Consultant	Consultant
City of Portland, Portland Building	\$100M	PDB	Consultant	Consultant	Consultant

Geoff Neumayr, SE, DBIA 40 years' experience in the design and construction industry. 23 progressive design-build projects, conducting over 30 DBIA progressive Design Build education classes.

Project	Project Size	Project Type	Planning	Design	Constructio n
SFO Secure Connector T3 to IT	\$16M	PDB	Owner	Owner	Owner

SFO Terminal 2/Boarding Area B	\$400M	PDB	Owner	Owner	Owner
SFO Boarding Area E	\$138M	PDB	Owner	Owner	Owner
SFO Terminal 3 East	\$253M	PDB	Owner	Owner	Owner
SFO Air Traffic Control Tower	\$122M	PDB	Owner	Owner	Owner
SFO Grand Hyatt Hotel	\$206M	PDB	Owner	Owner	Owner
SFO Long Term Parking Structure 2	\$155M	PDB	Owner	Owner	Owner
SFO Airtrain Extension to LTP Garage 2	\$127M	PDB	Owner	Owner	Owner
SFO Harvey Milk Terminal 1	\$1.25B	PDB	Owner	Owner	Owner
SFO Boarding Area B	\$857M	PDB	Owner	Owner	Owner
SFO Industrial Wastewater Treatment Plant	\$62M	PDB	Owner	Owner	Owner
SFO ITB REACH Program Phase 1 Implementation	\$42M	PDB	Owner	Owner	Owner
SFO ITB REACH Program Phase 2 Implementation	\$140M	PDB	Owner	Owner	Owner
SFO T2 Tower & Demolition & Office Reconstruction	\$46M	PDB	Owner	Owner	Owner
SFO Administration Building 674	\$82M	PDB	Owner	Owner	Owner
SFO Courtyard 3 Connector and Office Building	\$330M	PDB	Owner	Owner	Owner
SFO Security Infrastructure Improvement Program	\$150M	PDB	Owner	Owner	Owner
SFO Interim Boarding Area B	\$100M	PDB	Owner	Owner	Owner
SFO South McDonnell Road Relocation	\$40M	PDB	Owner	Owner	Owner
SFO ITB Baggage Handling System Improvements	\$73M	PDB	Owner	Owner	Owner
SFO Gate Enhancements/Boarding Area B	\$79M	PDB	Owner	Owner	Owner
SFO Way Finding Enhancement Program	\$30M	PDB	Owner	Owner	Owner
Renovation of Cargo Buildings 900 & 941	\$11M	PDB	Owner	Owner	Owner

Hill International, Inc. Project Management Team Recent/Relevant Alternative Contract Delivery Experience

Becky Blankenship, Assoc. AIA, FDBIA 30 years experience in civil engineering, architecture and construction, PM/CM, and providing public works program support for traditional and alternate delivery methods. 24 progressive design-build projects

Project	Project Size	Project Type	Planning	Design	Construction
Valley Metro Regional Transportation Improvements	\$6.9B	DB	NA	DB Advisor	DB Advisor
WA State Ferries System Electrification Program	\$3.98B	DB	PIC/DB Advisor	PIC/DB Advisor	In progress
Puerto Rico Tren Urbano Revitalization	\$300M	PDB	PDB Advisor	In progress	In progress
East Link E360 Rail Link Segment	\$227M	DB	NA	NA	PIC
TXDOT Alt Delivery Program Advisory Services	TBD	DB/PDB	Alt Delivery Advisor	Alt Delivery Advisor	Alt Delivery Advisor
Snohomish Conservation District Natural Resources Center	\$11.3M	PDB	PIC/PDB Advisor	In progress	In progress
Grant County PUD New Ephrata Service Center	\$165M	PDB	NA	PIC	In progress
Spokane Crisis Center	\$18M	PDB	PIC/PDB Trainer	In progress	In progress
Spokane County Public Works Operations Facility	\$20M	PDB	PDB Advisor	PDB Advisor	In progress
Casino and Hotel (Owner Confidential)	\$80M	PDB	PIC	PIC	In progress
Poulsbo Fire Station 76	\$6M	PDB	PDB Advisor	PIC	PIC

Columbia Valley Center for Recovery	\$26.5M	PDB	PIC	PIC	In progress
Snohomish County Food and Farming Center	\$40M	PDB	PDB Advisor	PDB Advisor	In progress
Benton County Juvenile Justice Center	\$35M	PDB	PDB Advisor	PIC	In progress
Three Rivers Behavioral Health Recovery Center	\$16M	PDB	PDB Advisor	PIC	In progress
Snohomish County Arlington Operations Complex	\$27M	PDB	PDB Advisor	PDB Advisor	In progress
South Sound 911 Public Safety Communications Center	\$60M	DB	PIC	PIC	PIC
Richland Public Safety 76	\$7M	PDB	PIC	PIC	PIC
WSDOT Dayton Ave Facility Improvements Project	\$38M	DB	PIC	PIC	PIC
North Mason Regional Fire Authority Headquarters Station	\$10M	PDB	PM	PM	PM
Boardman Fire Station #81	\$6.5M	PDB	PM	PM/PIC	PIC
West Richland Police Station	\$12M	PDB	PM	PM	PIC
Morrow County Admin Building	\$6.8M	PDB	PM	PM	PDB Advisor
Richland Public Safety Facilities 73 & 75	\$9.5M	PDB	PM	PM	PM
Richland City Hall	\$18M	PDB	PM	PM	PM
WSU Tri-Cities Student Union	\$4M	PDB	PM	PM	PM
Fire Station #74	\$3.4M	PDB	PM	PM	PM
Gonzaga University John G. Hemmingson Center	\$52M	DB	PM	PM	PM
Spokane Central Service Center	\$15.6M	DB	PM	PM	NA

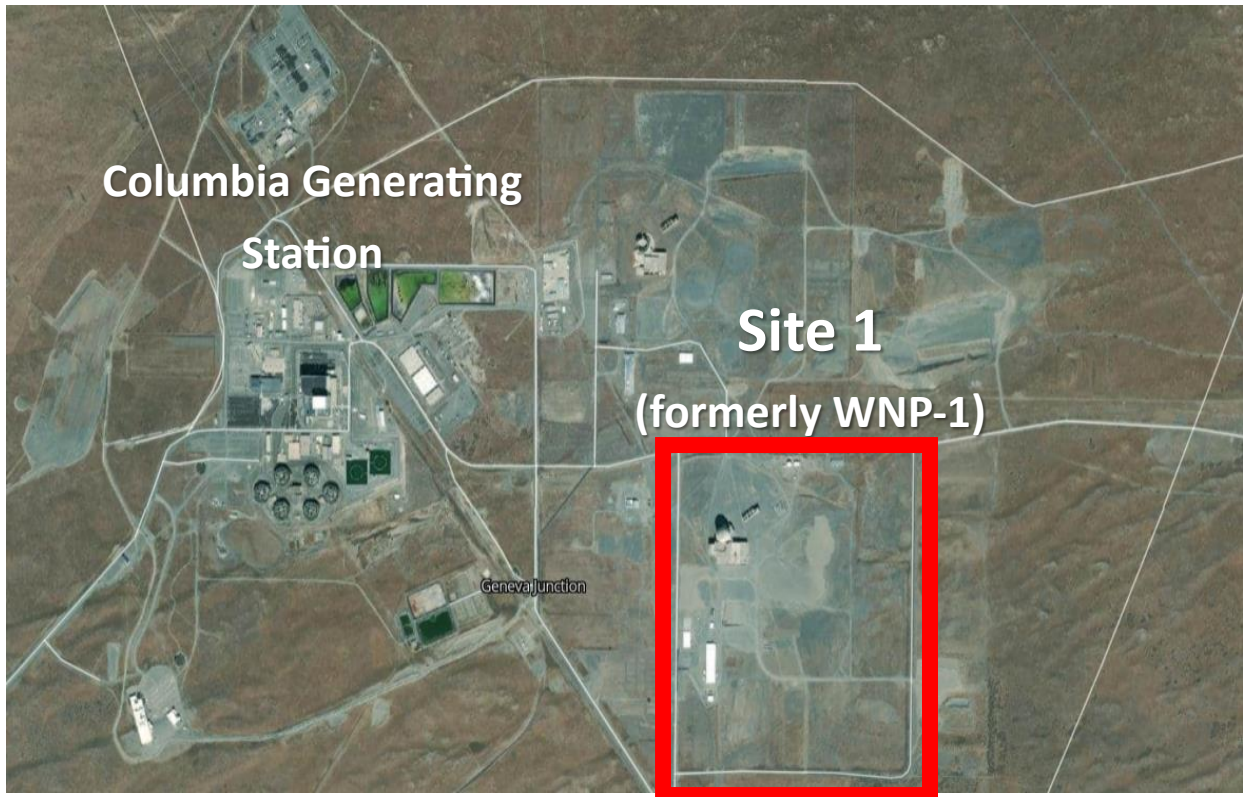
Stacey Shewell, DBIA, PMP

Project	Project Size	Project Type	Planning	Design	Construction
Snohomish County Food and Farming Center	\$40M	PDB	PM	PM	In progress
Snohomish County Arlington Operations Complex	\$27M	PDB	PM	PM	In progress
Grant County PUD New Ephrata Service Center	\$165M	PDB	PDB Advisor	PM	In progress
Snohomish County 911 Emergency Communications Center	\$37M	PDB	PDB Advisor	PDB Advisor	NA
Northshore School District Elem Mods SECC, FE, CS, WO	\$51M	PDB	PDB Advisor	PDB Advisor	N/A
Northshore School District Elem. Exp – SECC, FW, CS, WO	\$77M	PDB	PDB Advisor	PDB Advisor	N/A
Jefferson Healthcare, South Campus Replacement	\$113 M	PDB	PDB Advisor	PDB Advisor	N/A
Central Kitsap School District WSTSC	\$83M	PDB	PDB Advisor	PDB Advisor	N/A
Sound Transit Sounder Maintenance Base	\$100M	DB	PM	N/A	N/A
Bothell Fire Stations 42 &45	\$36M	PDB	PDB Advisor	PDB Advisor	PDB Advisor
WSU Spark Academic Bldg	\$65M	DB	PM	PM	N/A
WSU Everett Academic Center	\$65M	DB	PM	PM	PM
Spokane Central Services Center	\$15.6M	DB	PM	PM	PM

Attachment C - Construction Experience

Project #	Project Name	Project Description	Contracting Method	Planned Start	Planned Finish	Actual Start	Actual Finish	Planned Budget	Actual Budget	Reason for Budget or Schedule overrun
1	RRC-P-1A, 1B Pump Replacement	The scope of the project includes the Engineering and Vendor support for the replacement of the Reactor Recirculation System pumps 1A and 1B due to industry OE of potential shaft cracking.	D-B-B	6-May-21	6-Jun-21	4-May-21	14-Jun-21	\$3.4M	\$5M	Budget and schedule overrun due to additional overtime and temporary employee support needed, as a result of contractor delays.
2	RWCU-HX Replacement	Replacement of the Reactor Water Cleanup (RWCU) non-regenerative and regenerative heat exchangers, due to flow accelerated corrosion (FAC). The station has experienced through wall leaks resulting from FAC. Material selection for the new heat exchangers will focus on materials that are not susceptible to FAC.	D-B-B	5-May-21	5-Jun-21	5-May-21	11-Jun-21	\$19.5M	\$19.9M	Budget and schedule overrun due to higher than expected dose rates which resulted in additional shielding, higher costs and delays for shipping the rad material offsite.
3	ISFSI Pad Expansion	Expand current ISFSI to accommodate spent fuel to the end of the extended plant license period. Complete pad construction, underground infrastructure for security equipment and final security tie-in. At completion, the pad will accommodate 90 additional spent fuel casks.	D-B-B	11-Jan-16	1-Jun-16	1-Mar-16	30-Jun-16	\$4.98M	4.89M	Budget underrun due to efficiencies during construction. Delayed start due to contract award which resulted in the project completing later than planned.
4	Open Phase Design Vulnerability	Installation of duct banks, towers, CTs/CVTs, Relay buildings, in-plant cable & fiber optic routing, installation of rack #3 in RW 525' control room & associated work activities. Completion of factory acceptance & pre-energization testing. Final installation, HV Tie-Ins & acceptance testing during R23	D-B-B	22-May-17	9-Jun-17	22-May-17	4-Jun-17	\$7.3M	\$7.2M	Budget underrun due to efficiencies within the ENW internal project team. Project finished ahead of schedule.
5	Fukushima Response - Hardened Containment Vent	Following the March 2011 Earthquake and subsequent Tsunami 130 Km offshore from the Fukushima Daiichi Nuclear Power Station in Japan, INPO and NRC have heightened focus on catastrophe abatement for stronger seismic events which could affect the Columbia Generating Station. NRC has issued several recommendations for design updates based on seismic and flooding protection, station blackout, or other severe accident mitigation plans. As further research and directives from the NRC and INPO are identified, this project will continue to expand in budget, scope and duration.	D-B-B	4-May-17	12-Jun-17	18-Apr-17	10-Jun-17	\$14.2M	\$14.5M	Budget overrun due to additional engineering support needed, however the project still finished ahead of schedule.

Attachment D – Site Plan Overview





Artistic rendering of the Xe-100

Certificate Of Completion

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	Richland, WA 99352-0968
	csotto@energy-northwest.com
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Signer Events

Cassandra Otto
 csotto@energy-northwest.com
 Procurement Supervisor
 Energy Northwest
 Security Level: Email, Account Authentication (Optional)

Signature

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Electronic Record and Signature Disclosure:
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In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	8/20/2024 3:05:59 PM
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Signing Complete	Security Checked	8/20/2024 3:07:24 PM
Completed	Security Checked	8/20/2024 3:07:24 PM
Payment Events	Status	Timestamps