



September 15, 2026

BE-POV-LCNRG-LET-5000

10 CFR 50.10(d)

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Project No.: 99902137

**Subject: Submittal of Construction Permit Application Part 1: Limited Work
Authorization Application and Exemptions in Support of the Blue Energy
Center – Port of Victoria Nuclear Unit 1**

In accordance with the requirements of Title 10 of the Code of Federal Regulations (10 CFR) 50.10, "License required; limited work authorization," 10 CFR 50.10(d)(2), and 10 CFR 2.101(a)(9), Blue Energy Global Inc. (Blue Energy, the Applicant), on behalf of itself, as the controlling applicant, and Sister 1 LLC (Sister 1), as owner of the project, hereby submit the enclosed Construction Permit Application (CPA) Part 1. The Applicant and Sister 1 are requesting that the U.S. Nuclear Regulatory Commission (NRC) review and approve a request for a limited work authorization (LWA) to begin deep foundation works and install the crane pad at the Blue Energy Center – Port of Victoria (BECPV) Nuclear Unit 1 (N01) ("the Project"). BECPV-N01 is a BWRX-300 small modular reactor (SMR) designed by GE Vernova Hitachi Nuclear Energy Americas LLC (GVH) and to be constructed at the Port of Victoria (POV) site in Texas.

The Project will be located adjacent to a combined-cycle gas turbine (CCGT) plant, controlled by Blue Energy. The BWRX-300 will use the balance of plant (BOP) previously utilized by the CCGT plant, enabling more efficient deployment of new nuclear generation. The natural gas plant would then eventually return to a combined-cycle generation, creating a long-term hybrid energy campus.

Pursuant to 10 CFR 2.101(a)(9) and 50.10(d)(2), the Applicant's CPA is to be submitted in two parts, CPA Part 1 and CPA Part 2, which together will authorize construction of the BWRX-300 plant, with Part 2 to be filed no later than 18 months after this Part 1 submittal in accordance with 10 CFR 2.101(a)(9)(ii). Per 10 CFR 50.10(d)(3), Part 1 need only to include



the information necessary to support NRC review of the LWA request and is not required, or sought, to inform a basis for issuance of the construction permit, which is reserved for Part 2.

This submittal, comprising CPA Part 1, includes the LWA request and supplemental information, and two exemption requests. The supplemental information consists of the limited scope preliminary safety analysis report (PSAR) per 10 CFR 50.10(d)(3)(i), a LWA Environmental Report (ER) per 10 CFR 50.10(d)(3)(ii) and 10 CFR 51.49, and a plan for redress of activities per 10 CFR 50.10(d)(3)(iii). The Applicant also includes an enclosure describing the planned update to the Quality Assurance Program Description. The Applicant is submitting these items to provide the NRC staff with sufficient information to inform their review of the LWA and exemption requests.

Enclosure 1 is the proprietary version of the "Limited Work Authorization Request and General and Financial Information," containing a description of planned activities for the LWA, general information, and financial information required by 10 CFR 2.101(a)(9)(i). The non-proprietary version of this document is located in Enclosure 9.

Enclosure 2 contains the PSAR for the Project. This enclosure is not intended to be reviewed for the basis of a construction permit at this time. The review of the PSAR for the construction permit is reserved for Part 2. Instead, this enclosure is meant to provide the NRC staff with sufficient information to inform their review of the LWA and exemption requests in this submission package, per 10 CFR 50.10(d)(3).

The Applicant recognizes that GVH is evaluating lessons learned from the ongoing construction of the Darlington BWRX-300 project in Ontario, Canada. The objective of this evaluation is to optimize the design for improved constructability. The design reflected in the Applicant's PSAR is "frozen" and does not incorporate any of these optimizations. If the Applicant decides to pursue any design changes, the Applicant will first evaluate them to determine whether a formal licensing action is needed. If this evaluation determines that a formal licensing action is needed, the Applicant will either amend the application; include the change(s) in the CPA Part 2; incorporate the changes into the operating license application; or submit a license amendment request.

Enclosure 3 contains the LWA ER that meets the requirements of 10 CFR 51.49(b) and (f) and relies, in part, on the findings in appendix C to subpart A of Part 51. The LWA ER addresses the environmental impacts of the requested LWA activities and proposed excavation support exemption activities. The full ER will be submitted with CPA Part 2 and



will contain the information required by 10 CFR 51.50, including the assessment of the environmental impacts associated with operations, the fuel-cycle, and decommissioning.

Enclosure 4 contains the proprietary version of the Exemption Request to Allow Installation of Permanent In-Ground Support Structures Required for Safe Reactor Building Shaft Excavation. This request would allow permanent installation of supports and retaining walls to allow for excavation activities and is intended to be reviewed separately from the LWA and on its own schedule. The non-proprietary version of this document is found in Enclosure 10.

Enclosure 5 contains the proprietary version of the Exemption Request for Alternative Financial Qualifications. This request would allow the Applicant to identify specific sources of funding at a later stage of the Project. The non-proprietary version of this document is found in Enclosure 11.

Enclosure 6 provides information on the quality assurance program for the Project.

Enclosure 7 contains the proprietary version of the site redress plan for the Project. The non-proprietary version of this document is found in Enclosure 12.

Enclosure 8 contains an Affidavit pursuant to 10 CFR 2.390.

To assist with reviewing the LWA and exemption requests, a crosswalk between the submitted requests and applicable PSAR references is provided in Table 1. Additionally, the Applicant reiterates that the PSAR is not intended to be formally reviewed for the construction permit basis at this time but is given as supporting information for the LWA and exemption requests.

Table 1: Crosswalk between Submittals and Applicable PSAR References

Submittal	Applicable PSAR References
Limited Work Authorization Request and General and Financial Information	Section 1.2, "General Plant Description" Section 1.4, "Identification of Agents and Contractors" Section 3.2, "Classification of Structures, Systems, and Components"



Submittal	Applicable PSAR References
	Section 3.7, "Seismic Design" Section 3.8.4, "Other Seismic Category I Structures" Section 3.8.5.1.2, "Other Power Block Foundations" Table 3A-2, "Building and Site Structure and Seismic Design Basis"
Exemption Request to Allow Installation of Permanent In-Ground Support Structures Required for Safe Reactor Building Shaft Excavation	Subsection 3.7.2.9.2, "Excavation Support, Backfill and Friction Effects"
Exemption Request for Alternative Financial Qualifications	None

The Applicant respectfully requests a prioritization for docketing and expedited acceptance review for the LWA and Exemption Request for Alternative Financial Qualifications, and that the NRC complete its acceptance review on these items no later than November 20, 2026. The Applicant also requests that these items, required for CPA Part 1, be reviewed separately from the remaining exemption request.

Since the enclosed exemptions requests are being submitted by an advanced nuclear reactor applicant as part of a qualifying application (i.e., the LWA, as part of CPA Part1), the Applicant's request that the review of the exemptions also be covered by the fixed fee cap associated with the qualifying application. Specifically, the cap associated with an LWA. This request is consistent with the NRC response to public comments on the Final Rule for



“Fee Schedules, Fee Recovery for Fiscal Year 2026” (91 FR 36470), under item I, “Fixed Caps of Service Fees for Advanced Nuclear Reactor Applicants,” in Section IV of the supplementary information for the rule.

The Applicant requests that NRC establish a review schedule that supports:

1. Granting the Exemption Request to Allow Installation of Permanent In-Ground Support Structures Required for Safe Reactor Building Shaft Excavation within 6 months of acceptance of the request or before May 31, 2027.
2. Granting the Exemption Request for Alternative Financial Qualifications concurrently with issuance of the LWA by January 1, 2028.

Based on NRC feedback during the public meeting on August 18, 2026, the Applicant has increased the requested timelines for the excavation support exemption and the LWA. The Applicant considers the requested timelines to be reasonable given the limited scope of the requests, the fact that none of the SSCs within the scope of the requests are safety-related, and recent precedent.

If you have questions regarding this submittal, please contact Antonios Zoulis, Blue Energy Director of Licensing, at Antonios@blueenergy.co.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on September 15, 2026.

Respectfully,

C.J. Fong, P.E.

Vice President, Regulatory Affairs

Blue Energy

Enclosures:

1. BE-POV-LCNRG-LIC-5001-P –Limited Work Authorization Request and General and Financial Information (Proprietary Version)



2. BE-POV-LCNRG-LIC-5009 - Preliminary Safety Analysis Report
3. BE-POV-LCNRG-LIC-5000 - Limited Work Authorization Environmental Report
4. BE-POV-LCNRG-LIC-5006-P - Exemption Request to Allow Installation of Permanent In-Ground Support Structures Required for Safe Reactor Building Shaft Excavation (Proprietary Version)
5. BE-POV-LCNRG-LIC-5007-P - Exemption Request for Alternative Financial Qualifications (Proprietary Version)
6. BE-POV-LCNRG-LIC-5002 - Quality Assurance Program Description (Public Version)
7. BE-POV-LCNRG-LIC-5003-P - Redress Plan (Proprietary Version)
8. BE-POV-LCNRG-LET-5001 - Affidavit Letter - Request for Withholding
9. BE-POV-LCNRG-LIC-5001-NP - Limited Work Authorization Request and General and Financial Information (Public Version)
10. BE-POV-LCNRG-LIC-5006-NP - Exemption Request to Allow Installation of Permanent In-Ground Support Structures Required for Safe Reactor Building Shaft Excavation (Public Version)
11. BE-POV-LCNRG-LIC-5007-NP - Exemption Request for Alternative Financial Qualifications (Public Version)
12. BE-POV-LCNRG-LIC-5003-NP - Redress Plan (Public Version)

CC:

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