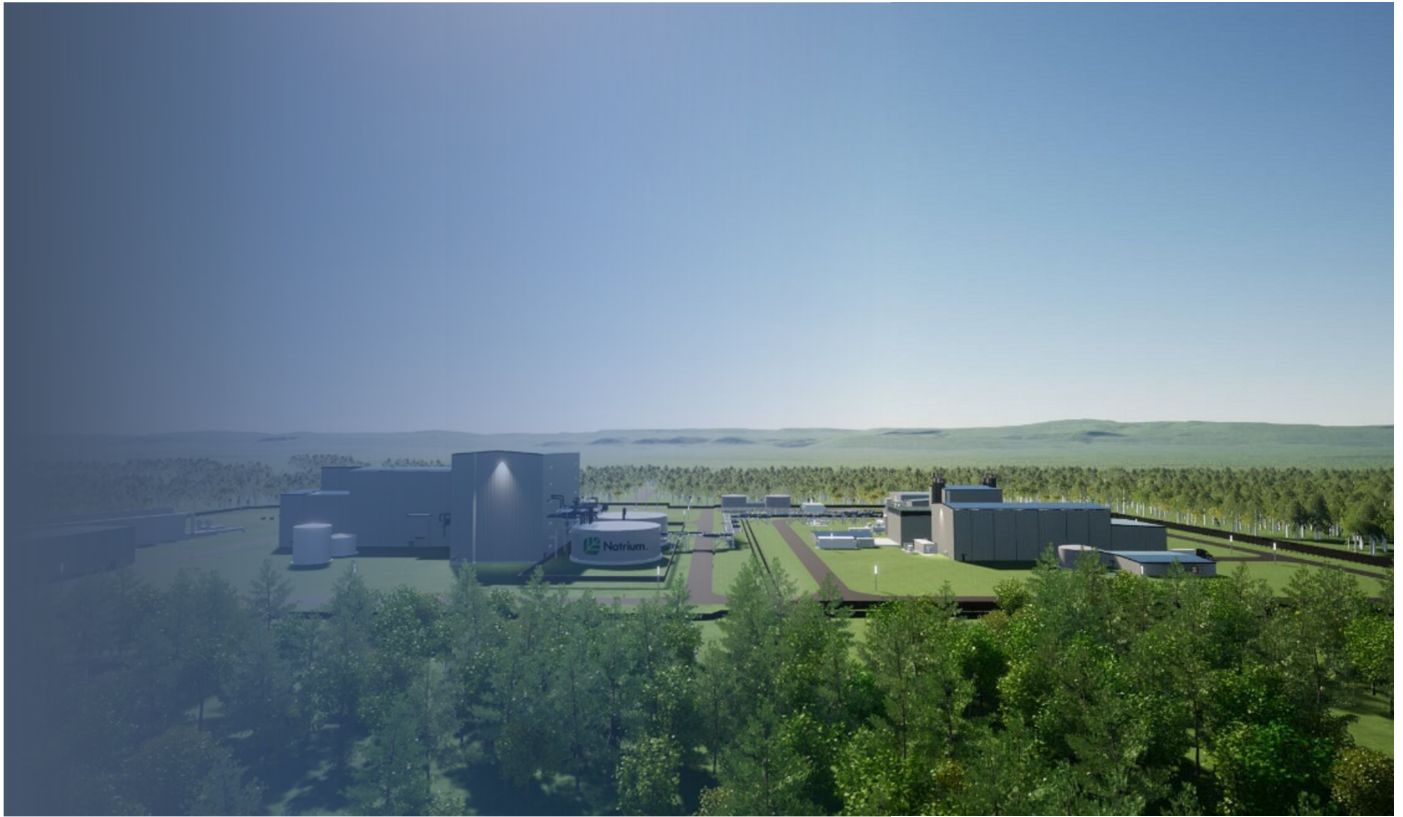


ENCLOSURE 1

General and Financial Information

Public



Kemmerer Power Station Unit 1

General and Financial Information

US SFR Owner, LLC, a wholly owned subsidiary of TerraPower, LLC



Document Title: General and Financial Information				
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REVISION HISTORY

Revision No.	Affected Section(s)	Description of Change(s)
0	All	Initial issue

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1 GENERAL INFORMATION

This Construction Permit Application (CPA) is submitted by US SFR Owner, LLC (USO), a wholly-owned subsidiary of TerraPower, LLC (TerraPower), for the construction of a nuclear-powered generating plant designated as Kemmerer Power Station Unit 1 (hereafter referred to as Kemmerer Unit 1).

1.1 Description of Applicant

US SFR Owner, LLC (USO)

USO is a special purpose entity that was created on July 10, 2020, to serve as a vehicle for TerraPower's US Department of Energy (DOE) Advanced Reactor Demonstration Project (ARDP) bid for the Natrium™ Demonstration Project. USO is focused on the development and funding of Kemmerer Unit 1. USO will own 100 percent of Kemmerer Unit 1 and is responsible for the safe operation of the plant from pre-operational testing through commercial operation. USO is a Delaware limited liability company with its principal place of business in Bellevue, WA.

TerraPower is the direct and controlling owner of USO. Pursuant to the terms of its agreement with USO, TerraPower is responsible for the administration and development of Kemmerer Unit 1 during the design and construction phase of the project, including support services in connection with filings by USO with any government authority, specifically the U.S. Nuclear Regulatory Commission. TerraPower, a Delaware limited liability company with its principal place of business in Bellevue, WA, is a nuclear technology company and is engaged in the development of new and novel reactor technology to support electricity generation.

1.2 Address of Applicant

The headquarters for TerraPower and USO are located at 15800 Northrup Way, Bellevue, WA 98008.

1.3 License Type

This application is for a construction permit for a utilization facility under 10 CFR 50. USO expects to apply for a future Class 103 operating license for a 40-year period pursuant to 10 CFR 50.22 (for commercial and industrial facilities), as well as future licenses for byproduct material under 10 CFR 30, for receipt, possession, and use of source material under 10 CFR 40, and for special nuclear material under 10 CFR 70.

1.4 Construction Schedule

USO is requesting NRC review and approval of the construction permit application by the third quarter of 2026 to support construction as defined in 10 CFR 50.10(a)(1). Construction is projected to complete in the fourth quarter of 2029. Non-construction site work as defined in 10 CFR 50.10(a)(2) is expected to begin in the first quarter of 2025.

1.5 Restricted Data or Other Defense Information

This construction permit application does not include any Restricted Data or other defense information requiring separation from the remainder of the application in accordance with 10 CFR 50.33(j). TerraPower and USO will not permit any individual to have access to any

facility to possess Restricted Data or classified National Security Information until the individual and/or facility has been approved for access under the provisions of 10 CFR Parts 25 and/or 95.

1.6 Technical Qualifications

TerraPower was launched in 2008 as a nuclear innovation company and has expanded into a team of highly trained nuclear physicists, engineers, project managers, and operators with experience developing, building, and operating fast and light water reactors for a variety of applications. The team includes expert staff and consultants, many of whom have worked for the world's most prestigious laboratories and energy and engineering organizations. Major contributors also include individuals who have received the highest honors in their fields including technical society fellows, international prizewinners and recipients of the Enrico Fermi Prize and the E.O. Lawrence Award. The team currently has over 500 full time employees and contractors combined.

GE-Hitachi Nuclear Energy Americas LLC (GEH) is a world-leading provider of advanced reactors, fuel, and nuclear services. TerraPower partnered with GEH to develop the Natrium reactor, employing the GEH Power Reactor Innovative Small Modular (PRISM) reactor technology.

Bechtel Power Corporation (Bechtel), an industry leader in nuclear plant engineering and construction since the 1950s, was selected by TerraPower to be a design, licensing, procurement, and construction partner for the Natrium Reactor Plant.

TerraPower, GEH, and Bechtel collectively submitted an application to the DOE ARDP, with TerraPower or its wholly-owned subsidiary identified as the prime recipient for the award. Through merit selection, TerraPower's Natrium reactor was chosen for the award and on May 3, 2021, USO entered into a Cooperative Agreement with the DOE. The ARDP award will provide funding to support the demonstration of the Natrium Reactor Plant.

This information demonstrates TerraPower and its partners technical qualifications to engage in the activities discussed in this application in accordance with NRC regulations, pursuant to 10 CFR 50.34(a)(9).

2 FINANCIAL QUALIFICATION

USO provides the following information required by 10 CFR 50.33(f), 10 CFR 50 App C, and NUREG-1577, Rev. 1 to demonstrate that TerraPower and USO possess or have reasonable assurance of obtaining the funds necessary to cover estimated construction costs and related fuel cycle costs.

2.1 Combined Project Costs

The table below contains estimates which represent the combined cost projections (as of October 2023) for the construction of Kemmerer Unit 1. All estimates are in current year dollars.

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(a) Total nuclear production plant cost	\$ [[]]	(a)(4)
(b) Transmission, distribution, and general plant costs	\$ [[]]	(a)(4)
(c) Nuclear fuel inventory cost for the first core	\$ [[]]	(a)(4)
Total Estimated Cost	\$ [[]]	(a)(4)

2.2 Financial Qualifications

Information demonstrating adequate financial qualification will be provided to the NRC Staff for review before the projected start of construction as defined by 10 CFR 50.10(a)(1). Construction will not begin until Staff approval is received. An associated exemption request from 10 CFR 50.33(f) and Part 50, Appendix C is included with the construction permit application.

2.3 Decommissioning Funding Assurance

This section is reserved for the Operating License Application.

2.4 Foreign Ownership or Control

TerraPower, LLC, and its 100% owned subsidiary USO (the Applicant), are not controlled, or dominated by any alien, foreign corporation, or foreign government as defined by the Commission's Final Standard Review Plan on Foreign Ownership, Control, or Domination, 64 Federal Register 52355 (Sept. 28, 1999). The total percentage of foreign non-governmental private entity ownership of TerraPower, LLC, is 19.1%, comprised of five (5) non-U.S. parties. Collectively, these indirect foreign owners in TerraPower do not have controlling ownership, do not have the ability to control any decisions by TerraPower either at the investor or at the Board level, and cannot dominate TerraPower or USO's actions. Therefore, there are no risks to national defense and security.

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Table 1-1, Applicant General Information Sheet 1 of 2			
Name of Applicant	US SFR Owner, LLC		
Description of Business	USO is a special purpose entity that was created on July 10, 2020, to serve as a vehicle for TerraPower's US DOE ARDP bid for the Natrium Demonstration Project. USO will construct, own and operate Kemmerer Unit 1.		
Principal Business Location	15800 Northrup Way, Bellevue, WA 98008		
Names, addresses and citizenship of directors and officers			
Company	Name and Title	Address	Citizenship
TerraPower	Chris Levesque President and CEO Board Member	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	John Gilleland Chief Technical Officer Board Member	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Marcia Burkey Executive Vice President and Chief Financial Officer	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Tara Neider Senior Vice President and Natrium Project Director	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Eric Williams Senior Vice President & Design Authority	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Craighton Goeppelle Senior Vice President and General Counsel	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	George Wilson Vice President of Regulatory Affairs and Licensing	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Bill Gates Chairman of the Board	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Nathan Myhrvold Vice Chairman of the Board	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Bill Pitesa Board Member	15800 Northrup Way, Bellevue, WA 98008	USA

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Table 1-1, Applicant General Information Sheet 2 of 2			
TerraPower	David Scott Board Member	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Kristine Svinicki Board Member	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Ralph Izzo Non-Voting Board Observer	15800 Northrup Way, Bellevue, WA 98008	USA
TerraPower	Mohamed Al Hammadi Non-Voting Board Observer	15800 Northrup Way, Bellevue, WA 98008	United Arab Emirates
TerraPower	Moohwan Kim Non-Voting Board Observer	15800 Northrup Way, Bellevue, WA 98008	Republic of Korea
Regulatory Agencies with Jurisdiction over Rates and Services		Address of Regulatory Agency	
Wyoming Public Service Commission		2515 Warren Avenue, Suite 300 Cheyenne, WY 82002	
Trade and News Publications to give reasonable notice of the application		Address of Publication	
Kemmerer Gazette		708 JC Penny Dr. Kemmerer, WY 83101	
Uinta County Herald		849 Front St. Evanston, WY 82930	
Bridger Valley Pioneer		317 Bradshaw St #2 Lyman, WY 82937	
Wyoming Tribune Eagle		702 W. Lincolnway Cheyenne, WY 82001	

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