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Antoinette Walker-
Smith, Ann Dumas,
Mary Neely
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Kairos Power, LLC

Comment On: NRC-2021-0193-0011
Kairos Power, LLC; Hermes Test Reactor

Document: NRC-2021-0193-DRAFT-0014
Comment on FR Doc # 2022-21125

Submitter Information

Email: houghtalen@clearpath.org
Organization: ClearPath

General Comment

Dear U.S. Nuclear Regulatory Commission Staff:
ClearPath appreciates the opportunity to express support for the Kairos Hermes test reactor and emphasize the benefits of this project to the community and of nuclear energy to the climate. See the attachment below for further comments. Please do not hesitate to reach out for additional information.
Sincerely,
Natalie Houghtalen
Policy Advisor, ClearPath

Attachments

FINAL_Docket ID NRC-2021-0193-0011_ClearPath_Kairos Hermes EIS

CLEARPATH

December 6, 2022

Tamsen Dozier and Peyton Doub
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

ClearPath Comments on draft NUREG-2263 Environmental Impact Statement (EIS) for the Construction Permit for the Kairos Hermes Test Reactor [Docket ID NRC-2021-0193-0011]

Dear U.S. Nuclear Regulatory Commission Staff:

ClearPath appreciates the opportunity to express support for the Kairos Hermes test reactor and emphasize the benefits of this project to the community and of nuclear energy to the climate. Our mission is to develop and advance policies that accelerate breakthrough innovations to reduce emissions in the energy and industrial sectors. An entrepreneurial, strategic 501(c)(3) nonprofit, ClearPath collaborates with public and private sector stakeholders on nuclear energy, carbon capture, natural gas, hydropower, geothermal, energy storage, hydrogen, and heavy industry to enable private-sector deployment of critical technologies.

The rapid scaling of innovative clean technologies, like advanced nuclear energy, is essential for a reliable and robust clean-energy system. Advanced nuclear reactors have a variety of attributes that allow them to tackle power sector decarbonization at utility- and microgrid-scale as well as provide clean energy for industrial and district heating.

The Nuclear Regulatory Commission (NRC) has a critical role to play in the deployment of new facilities. The Hermes review is important because elements can likely be used for full-scale, Kairos reactor deployments. Furthermore, as the Hermes test reactor will be one of the first advanced reactor designs to undergo a license review by the NRC, the insights can be applied to the multiple advanced reactor designs the NRC anticipates receiving in the near future. The review of a new reactor technology is an exciting opportunity, and the NRC staff's review will have broader impacts on future nuclear energy deployments.

The positive impacts of advanced nuclear reactors extend further than the fenceline. Kairos is also committed to investing in the community. An agreement was signed with the Tennessee Valley Authority (TVA) to provide engineering, operations, and licensing services for Hermes. At Oak Ridge, in the East Tennessee area, Kairos has committed to investing \$100 million to create high-paying jobs that support the construction, operation, and decommissioning of the Hermes reactor. The Hermes project has a number of other skilled partners including Oak Ridge National Laboratory, Idaho National Laboratory, EPRI, and Materion Corporation.

Thank you for the opportunity to respond. Please do not hesitate to reach out for additional information.

Sincerely,
Natalie Houghtalen
Policy Advisor, ClearPath

Contact: info@clearpath.org
ClearPath
518 C St NE
Suite 300
Washington, DC 20002