

March 15, 2023

Docket No. 50-7513

US Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

**Subject:** Kairos Power LLC  
Presentation Materials for Kairos Power Briefing to the Advisory Committee on Reactor Safeguards, Kairos Power Subcommittee on Hermes Preliminary Safety Analysis Report Chapters 1, 2, 3, 4, 6, and 9

**References:** Letter, Kairos Power LLC to Document Control Desk, "Submittal of the Preliminary Safety Analysis Report for the Kairos Power Fluoride Salt-Cooled, High Temperature Non-Power Reactor (Hermes), Revision 2," February 24, 2023 (ML 23055A673)

This letter transmits the presentation slides for the March 23-24, 2023 briefings for the Advisory Committee for Reactor Safeguards (ACRS), Kairos Power Subcommittee. During the March 23 meeting, participants will discuss Hermes Preliminary Safety Analysis Report (PSAR) Chapters 1, 2, 3, and 4. During the March 24 meeting, participants will discuss PSAR Chapters 4, 6, and 9.

Enclosures 1 and 2 provide the non-proprietary slides for the March 23 and 24 briefings, respectively. Kairos Power authorizes the Nuclear Regulatory Commission to reproduce and distribute the submitted content, as necessary, to support the conduct of their regulatory responsibilities.

If you have any questions or need additional information, please contact Drew Peebles at [peebles@kairospower.com](mailto:peebles@kairospower.com) or (704) 275-5388, or Darrell Gardner at [gardner@kairospower.com](mailto:gardner@kairospower.com) or (704) 769-1226.

Sincerely,



Peter Hastings, PE  
Vice President, Regulatory Affairs and Quality

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Enclosures:

- 1) Presentation Slides for the March 23, 2023 ACRS Kairos Power Subcommittee Meeting (Non-Proprietary)
- 2) Presentation Slides for the March 24, 2023 ACRS Kairos Power Subcommittee Meeting (Non-Proprietary)

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