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Project No. 99902071

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U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
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**Presentation Materials – Xe-100 Licensing Topical Report Reactor Core Design Methods and Analysis**

This letter provides the X Energy, LLC (X-energy) presentation material for the upcoming “Xe-100 Licensing Topical Report Reactor Core Design Methods and Analysis” U.S. Nuclear Regulatory Commission pre-application engagement meeting (Enclosure 1), on March 19<sup>th</sup>, 2024. The presentation material does not contain proprietary information; as such, the presentation materials provided in Enclosure 1 should be made publicly available.

This letter and enclosures make no new or revised regulatory commitments.

Should you have any questions regarding this presentation, please contact Jessica Maddocks at [jmaddocks@x-energy.com](mailto:jmaddocks@x-energy.com).

Sincerely,

A handwritten signature in black ink that reads 'SJV aughn'.

Stephen Vaughn  
Director, Reactor Licensing (Acting)  
X Energy, LLC

Enclosures:

1) “Xe-100 Licensing Topical Report Reactor Core Design Methods and Analysis” Presentation Material – Open Meeting – Non-Proprietary (Public)

cc:

X Energy, LLC:  
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Steve Miller  
Martin van Staden  
Jessica Maddocks



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