

**AGENDA**  
**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS**  
**X-Energy Design Center Subcommittee**

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**X-Energy Xe-100 Topical Report Reviews:**  
 Transient and Safety Analysis Methodology, Rev. 2  
 GOTHIC and Flownex Analysis Code Qualification, Rev. 3  
 Mechanistic Source Term Approach, Rev. 3  
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**ROCKVILLE, MARYLAND**  
**June 3, 2025**

The Subcommittee is meeting in a hybrid format with both in-person and remote capability. Members of the public may observe the meeting by using the MSTeams link below, or using the following bridgeline number to listen into the meeting: **Teleconference Line: 301-576-2978, Passcode: 861170342#**

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June 3, 2025, AM			
	<b>TOPIC</b>	<b>Presenter(s)</b>	<b>Time</b>
1.	Opening Remarks	Dr. Robert Martin, ACRS	8:30 – 8:35 AM
2.	NRC Opening Remarks	Travis Tate, NRR	8:35 – 8:40 AM
3.	Xe-100 Topical Reports: <ul style="list-style-type: none"> <li>• Transient and Safety Analysis Methodology</li> <li>• GOTHIC and Flownex Analysis Code Qualification</li> </ul>	Brian Froese Matt Thomas Brian Hallee Paolo Balestra (X-energy)	8:40 – 10:15 AM
	Break		10:15 – 10:25 AM
4.	Xe-100 Topical Reports: <i>Staff Evaluation</i> <ul style="list-style-type: none"> <li>• Transient and Safety Analysis Methodology</li> <li>• GOTHIC and Flownex Analysis Code Qualification</li> </ul>	Tim Drzewiecki Pravin Sawant Richard Rivera (NRC)	10:25 AM – Noon
	Closed Session (If needed) *		Noon – 12:15 PM
	Lunch		12:15 – 1:15 PM

June 3, 2025, PM			
	TOPIC	Presenter(s)	Time
5.	Xe-100 Topical Reports: <ul style="list-style-type: none"> <li>Mechanistic Source Term Approach, Rev. 3</li> </ul>	Milan Hanus (X-Energy)	1:15 – 2:15 PM
6.	Xe-100 Topical Reports: <i>Staff Evaluation</i> <ul style="list-style-type: none"> <li>Mechanistic Source Term Approach, Rev. 3</li> </ul>	Tim Drzewiecki Inseok Baek Richard Rivera (NRC)	2:15 – 3:15 PM
	Break		3:15 – 3:30 PM
7.	Closed Session (If needed) *		3:30 – 3:45 PM
8.	Subcommittee Discussion	Dr. Robert Martin, ACRS	3:45 – 4:00 PM
	Adjourn		4:00 PM

\* The meeting will be closed if needed for X-Energy to address any questions regarding proprietary information

**Notes:**

During the meeting, 301-415-7360 should be used to contact anyone in the ACRS Office.

“Federal Register Notice 90 FR 17837 published on April 29, 2025, describes procedures to be followed with respect to meetings conducted by the U.S. Nuclear Regulatory Commission’s (NRC’s) Advisory Committee on Reactor Safeguards (ACRS) pursuant to the Federal Advisory Committee Act (FACA) and NRC implementing regulations found at Title 10 of the Code of Federal Regulations Part 7, “Advisory Committees.” Members of the public who desire to provide written or oral input for ACRS Full Committee and Subcommittee meetings may do so and should contact the Designated Federal Official (DFO – listed above) five days prior to the meeting, as practicable. In addition, there will be time allotted at each meeting for the public to provide oral comments.

Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.

One (1) electronic copy of each presentation should be emailed to the Designated Federal Official 1 day before the meeting.