

# NRC-DOE Third Workshop on Advanced Reactors Agenda

Date: April 25-26, 2017

Location: Bethesda North Marriott Hotel and Conference Center

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Day 1:

Topic	Speaker
Welcome and logistics	<i>NRC</i>
Opening remarks and objectives of the workshop	<i>NRC DOE</i>
Update on non-LWR government initiatives <ul style="list-style-type: none"> <li>• DOE initiatives</li> <li>• NRC initiatives</li> <li>• Q&amp;A</li> </ul>	<i>DOE NRC ALL</i>
<b><i>Break</i></b>	
Regulatory review process options <ul style="list-style-type: none"> <li>• Conceptual design assessment, staged review, prototype, pre-application interaction</li> <li>• Industry progress, initiatives, and concerns</li> <li>• Q&amp;A</li> </ul>	<i>NRC  INDUSTRY ALL</i>
Open Q&A session	<i>ALL</i>
<b><i>Lunch</i></b>	
Safety-focused review for new reactor designs <ul style="list-style-type: none"> <li>• Application of safety-focused review for NuScale</li> <li>• Q&amp;A</li> </ul>	<i>NRC ALL</i>
Use of modeling and testing in the reactor design and licensing process <ul style="list-style-type: none"> <li>• Requirements and guidance</li> <li>• Modeling and testing programs (NEAMS, BISON)</li> <li>• Regulatory gaps, challenges, and suggestions</li> <li>• Q&amp;A</li> </ul>	<i>NRC DOE INDUSTRY ALL</i>
<b><i>Break</i></b>	
Standard Review Plan Gap analysis <ul style="list-style-type: none"> <li>• Standard review plan gap analysis – pilot results</li> <li>• Q&amp;A</li> </ul>	<i>DOE ALL</i>
Security by design <ul style="list-style-type: none"> <li>• Security considerations</li> <li>• Q&amp;A</li> </ul>	<i>NRC All</i>
Open Q&A session	<i>ALL</i>
Adjourn	

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Day 2:

Topic	Speaker
Opening remarks and summary of Day 1 activities	<i>DOE</i>
Industry consensus standards development <ul style="list-style-type: none"> <li>• NRC strategy and priorities</li> <li>• DOE R&amp;D scoping &amp; support</li> <li>• Industry priorities and gaps/needs</li> <li>• Q&amp;A</li> </ul>	<i>NRC DOE INDUSTRY ALL</i>
<b><i>Break</i></b>	
Quality Assurance to support research, development, and testing <ul style="list-style-type: none"> <li>• QA oversight of NuScale pre-application activities</li> <li>• Development of QA program for advanced reactors</li> <li>• Q&amp;A</li> </ul>	<i>NRC INDUSTRY ALL</i>
<b><i>Reactor technology technical and licensing priorities</i></b>	
High temperature gas reactor technology working group <ul style="list-style-type: none"> <li>• Q&amp;A</li> </ul>	<i>INDUSTRY ALL</i>
<b><i>Lunch</i></b>	
Fast reactor technology working group <ul style="list-style-type: none"> <li>• Q&amp;A</li> </ul>	<i>INDUSTRY ALL</i>
Molten salt reactor technology working group <ul style="list-style-type: none"> <li>• Q&amp;A</li> </ul>	<i>INDUSTRY ALL</i>
Open Q&A session	<i>ALL</i>
Summary and path forward <ul style="list-style-type: none"> <li>• Specific actions, desired outcomes, timetable</li> <li>• Potential topics for subsequent workshop(s)</li> </ul>	<i>NRC DOE</i>
Closing remarks	<i>NRC DOE</i>
Adjourn	