

# NRC-DOE Workshop on Advanced Non-Light Water Reactors

## Agenda

September 1-2, 2015

| Tuesday, September 1, 2015 |   |   |
|----------------------------|---|---|
| Time                       | Topic   | Speaker   |
| 8:30 am                    | Welcome and Logistics   | <i>NRC (J. Mazza)</i>   |
| 8:35 am                    | Opening Remarks and Objectives of the Workshop  | <i>Glenn Tracy, Director,<br/>Office of New Reactors,<br/>NRC<br/>John Kelly, Deputy<br/>Assistant Secretary,<br/>Nuclear Reactor<br/>Technologies, DOE</i> |
| 8:55 am                    | Remarks on the Development and Deployment of Advanced Non-LWR Reactor Technologies  | <i>Stephen Burns, Chairman,<br/>NRC<br/>John Kotek, Acting<br/>Assistant Secretary, DOE</i>   |
| 9:15 am                    | Clarification of Roles and Responsibilities <ul style="list-style-type: none"> <li>• NRC's statutory role</li> <li>• Previous experience licensing/authorizing non-LWR reactors in the US</li> <li>• DOE roles and responsibilities</li> </ul>  | <i>NRC (T. Rothschild)<br/>NRC/DOE (R. Landry/G.<br/>Flanagan)<br/><br/>DOE (J. Kinsey)</i>   |
| 10:30 am                   | <b>Break</b>  | <b>All</b>  |
| 10:45 am                   | Common Terminology and Usage of Terms   | <i>NRC (J. Adams)</i>   |
| 11:00 am                   | Existing NRC Regulations, Policies, and Guidance for Licensing  | <i>NRC (J. Williams)</i>  |
| 12:00 pm                   | <b>Lunch</b>  | <b>All</b>  |
| 1:15 pm                    | Existing Programs, Initiatives, and Activities to Support Advanced Reactor Development <ul style="list-style-type: none"> <li>• DOE strategy for supporting advanced reactors               <ul style="list-style-type: none"> <li>○ DOE-funded research</li> <li>○ DOE-funded project development (Test/Demo Reactor Study and Advanced Reactor Development FOA)</li> </ul> </li> <li>• Industry initiatives               <ul style="list-style-type: none"> <li>○ US industry's role in pursuing non-LWR technologies</li> <li>○ NEI Advanced Reactor Working Group</li> <li>○ Utility interest</li> </ul> </li> </ul> | <i>DOE (T. O'Connor)<br/><br/>NEI (E. Redmond)<br/>SNOC (S. Kuczynski)<br/>TVA (D. Stout)</i>   |
| 2:30 pm                    | <b>Break</b>  | <b>All</b>  |
| 2:45 pm                    | Current NRC Activities to Develop Regulatory Framework <ul style="list-style-type: none"> <li>• Joint NRC-DOE advanced reactor licensing initiative</li> <li>• Policy activities that may affect non-LWRs</li> </ul>  | <i>DOE/NRC (C. Welling/A.<br/>Bradford)<br/>NRC (A. Bradford)</i>   |
| 3:30 pm                    | Panel on Potential Challenges to Moving Advanced Reactor Concepts Forward Toward Deployment <ul style="list-style-type: none"> <li>• Licensing framework</li> <li>• R&amp;D, technology development</li> <li>• Policy considerations</li> <li>• Financial considerations</li> </ul>   | <i>TerraPower (K. Weaver)<br/>GEH (E. Loewen)<br/>X-Energy (E. Mulder)<br/>Venrock (R. Rothrock)</i>  |

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|         |                 |            |
|---------|-----------------|------------|
| 4:45 pm | Open Discussion | <i>All</i> |
| 5:00 pm | Adjourn         | <i>All</i> |

| <b>Wednesday, September 2, 2015</b> |   |   |
|-------------------------------------|---|---|
| <b>Time</b>                         | <b>Topic</b>  | <b>Speaker</b>  |
| 8:30 am                             | Opening Remarks and Summary of Day 1 Activities   | <i>DOE (C. Welling)</i>   |
| 8:35 am                             | Panel on Identification of Gaps and Critical Needs <ul style="list-style-type: none"><li>• Regarding the licensing process</li><li>• Regarding technology development or deployment</li></ul>       | <i>GA (C. Back)</i><br><i>ARC (I. Ali)</i><br><i>Gen4Energy (B. Prince)</i><br><i>USNIC (J. Merrifield)</i> |
| 9:45 am                             | <b>Break</b>  | <i>All</i>  |
| 10:00 am                            | Opportunities for Improving the Existing Processes and Practices <ul style="list-style-type: none"><li>• Potential near-term actions/approaches</li><li>• Potential longer-term solutions</li></ul> | <i>All</i>  |
| 11:00 am                            | Open Discussion   | <i>All</i>  |
| 12:30 pm                            | Summary and Path Forward  | <i>NRC (A. Bradford)</i>  |
| 12:45 pm                            | Closing Remarks   | <i>NRC (Glenn Tracy)</i><br><i>DOE (John Kelly)</i>   |
| 1:00 pm                             | Adjourn   | <i>All</i>  |