

T9 Reimagining Nuclear’s Role in Energy and the Electric Grid

The role of nuclear is reimagined in a carbon free future, with nuclear providing both electricity to the grid and process heat energy for applications such as hydrogen production, fuels, fertilizers, steel, plastics, chemicals, desalination, space heating, and others. This session features cross-sector perspectives and examples from experts and industry leaders on how the safe and secure use of existing and new nuclear technology can address near-term and future needs for a resilient and reliable electricity grid and heat energy source.

SESSION CHAIR(S):

- The Honorable David A. Wright, Commissioner, NRC

SPEAKER(S):

- [Introductory Remarks](#)

[The Honorable David A. Wright](#), Commissioner, NRC

- [EPRI Decarbinization Video](#)

[Arshad Mansoor](#), President and Chief Executive Officer, Electric Power Research Institute

- [Advancing Nonelectric Applications of Nuclear Energy for Economy-wide Net-Zero Solutions](#)

[Shannon Bragg-Sitton](#), Director, Integrated Energy & Storage Systems Division, Idaho National Laboratory

- [X-energy's Lead in a Net Zero Future, Meeting Future Electron and Non-Electron Energy Demands](#)

[Michael Melton](#), Business Development Manager, X-energy, LLC

- [Nuclear-based Ammonia Production](#)

[Kevin Rouwenhorst](#), Technology Manager, Ammonia Energy Association

SESSION COORDINATOR(S):

- Candace de Messieres, Chief, Technical Branch 2, Division of Advanced Reactors and Non-power Production and Utilization Facilities, NRR/NRC e-mail: candace.demessieres@nrc.gov