



# Research and Licensing Strategies for the NGNP

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**Session W4BC: Advanced Reactors – GEN IV**

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**NEW & ADVANCED REACTOR SAFETY RESEARCH**

*"Supporting Future Reactor Licensing"*



# Next Generation Nuclear Plant Project

- Project established by the Energy Policy Act of 2005
- Very high temperature reactor to generate electricity and/or hydrogen
- DOE responsible for development and operation
- NRC responsible for licensing and regulatory authority





# Session Objectives

- Present current status of the NGNP Project
- Describe VHTR technologies
- Discuss key regulatory and technical issues and challenges
- Outline potential licensing strategies



# Panelists

- Trevor Cook, NGNP Project Manager
  - U.S. Department of Energy
- Stuart Rubin, Advanced Reactor Program Manager
  - U.S. Nuclear Regulatory Commission
- Edward Wallace, Sr. General Manager
  - U.S. Programs, PBMR Pty Ltd.
- Larry Parme, GT-MHR Licensing Manager
  - General Atomics
- Andrew Kadak, Professor
  - Massachusetts Institute of Technology