Special Session on U.S. Nuclear Energy Technology Development: New Build, Gen 3+ & Small Reactors

David Blee
U.S. Nuclear Infrastructure Council
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Paris, France
www.usnic.org
dblee@forrestalgroup.com
About the USNIC

• Leading U.S. business consortium advocate for new nuclear and engagement of the American supply chain globally.

• Portfolio of issues include:
  
  • Key U.S. mover deployment
  • Manufacturing & supply-chain readiness
  • Technology advancement
  • Sustainable fuel cycle
  • Licensing surety & costs
  • International nuclear markets
  • Fukushima D&D & U.S. environmental management
  • Outreach & education
U.S. Nuclear Supply Chain Competitiveness at a Glance

• Largest fleet/market in the world
• Best-in-class safety track record
• Technology standard bearer – Trailblazer in new Gen 3+ passive safety and small reactors
• High performing fleet
• World-class quality
• Deepest, most diverse and widest global supply chain
• Gold standard in regulation
U.S. New Nuclear Snapshot

• Debut of five new U.S. reactors (2015-20)
• Replacement of outgoing coal baseload
• Replacement of retiring nuclear plants
• Competition with natural gas as the clean energy baseload to meet increased demand
• Clean Power Act carbon rule impacts
• New Designs – ESBWR, GLE, SMRS, Advanced Reactors
• Small modular reactors
  • 2 DOE cost-share awards for $452M
  • Deployment in mid-2020s targeted
• Global market for reactors and supply-chain