



Closing the Fuel Cycle Recycling Paradigms Panel

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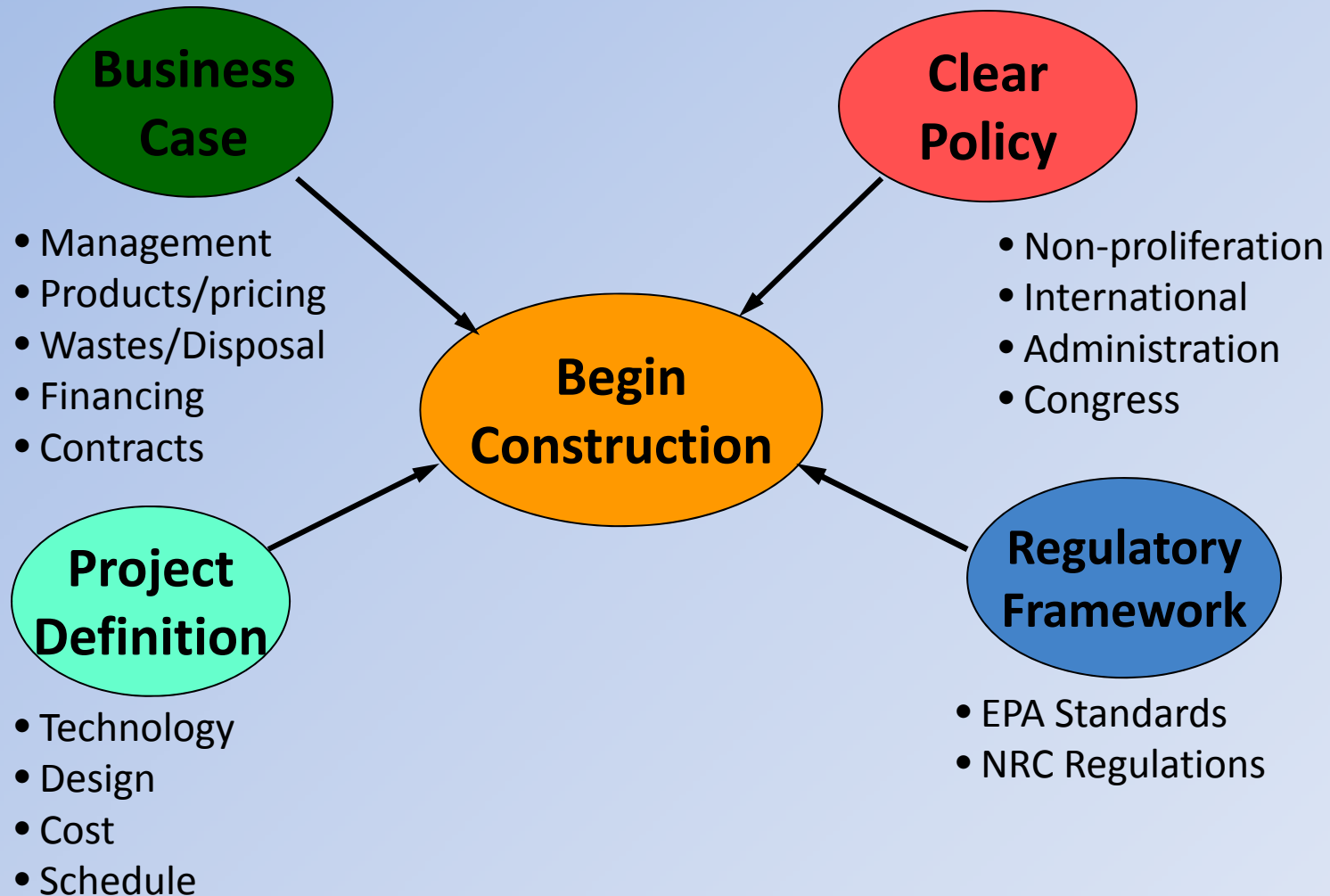
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Nuclear Generation Development and Construction



Many Challenges to be Addressed Prior to Building Recycling Facilities



Regulatory Framework for Recycling

- The foundation of this framework should be built on U.S. and international experience, incorporating lessons learned
- The framework should be structured in a **risk-informed, performance-based, technology-neutral** manner
- Regulations should address present day technologies and accommodate reasonably foreseeable improvements and technology advancements
- Existing regulations would not adapt easily – new regulation is better; 10 CFR Part 7x

Progress Towards New Recycle Regulation

- *SECY-11-0163 Reprocessing Rulemaking: Draft Regulatory Basis and Path Forward*, issued November 2011, is a good first step
 - Comprehensive gap analysis completed
 - Extensive stakeholder outreach performed
 - Staff proposal is highly responsive to stakeholder inputs
 - NRC staff recognize additional work needed to close some gaps
- Industry recommends Commission endorse rulemaking proposal
 - Proposed timeline for rule completion in 2019 should be accelerated
 - Remains an industry priority; should continue as an NRC priority

Nexus between consolidated interim storage, recycling and disposal makes this work relevant to BRC recommendation implementation!