

Enabling the Transformation

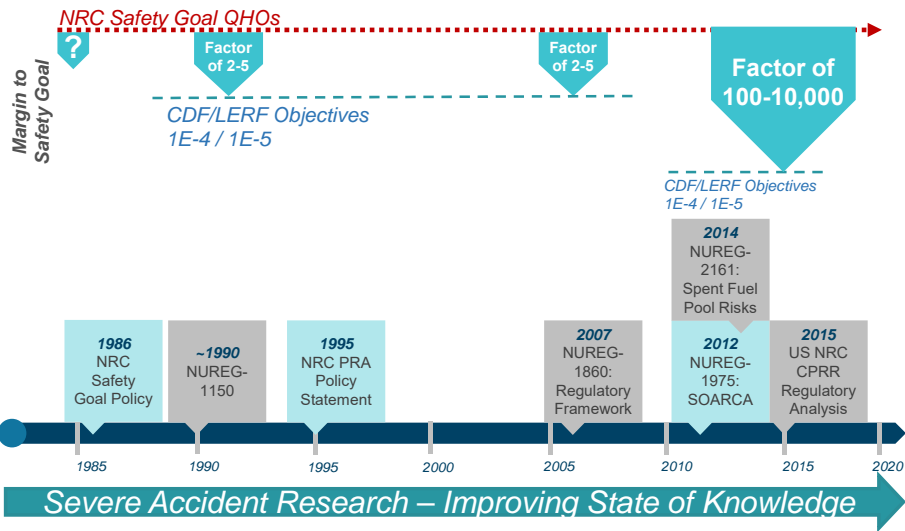
Jennifer Uhle



©2019 Nuclear Energy Institute



Change in Our Understanding of Safety Margin



Unprecedented Industry Performance



Performance Enables Transformation



Research Program Recommendations



- Realistic vs. bounding pre-GI research activities
- Fire realism
- HRA outside the control room – pragmatic approach
- SPAR model discontinuation – reliance on industry PRAs
- ASP program discontinuation – SDP, MD 8.3
- Regulatory basis for higher fuel enrichment and burnup
- Advanced reactor infrastructure
- International research – only when needed for U.S. fleet