

FLEX SUMMIT

 NEI Virtual Event

Ensuring Compliance and Continuing to Enhance Safety

September 1-3 & 9-10, 2020

The 2020 NEI FLEX Virtual Summit will be held as a series of webinars, from September 1-10. The purpose of this summit is to:

- Reach a common understanding on various FLEX-related topics such as proper implementation through the successful application of operating experience and knowledge management and achieving FLEX realism to support NRC licensing and oversight.
- Advance discussion topics with a goal of being able to provide senior management with recommendations to resolve any issues related to crediting and expanding the use of FLEX.
- In cases where a common understanding is not achieved, develop action items and paths forward to bring issues to resolution through the appropriate regulatory engagement.

Week 1

September 1, 2020

Session 1: FLEX Background and Expanded Use

Be inspired by the evolution of FLEX. Opening remarks will be from Industry and NRC executives followed by perspectives from experts on FLEX from its inception to current and future uses.

1-4pm EDT

Opening Remarks

Doug True, Chief Nuclear Officer, *Nuclear Energy Institute*
Mike Franovich, Director, Division of Risk Assessment, *U.S. NRC*
Aldo Capristo, Executive VP and Chief Administrative Officer, *South Texas Project*

Background and Expanded Use

Moderator: Andrew Mauer, Technical Advisor, *Nuclear Energy Institute*

Tim Reed, Senior Project Manager Plant Licensing, NRR, *U.S. NRC*
John Kapitz, Project Director, *Xcel Energy*

- FLEX: Background
 - EA-12-049, 10 CFR 50.155 and RG 1.226
 - NEI 12-06 (history, implementation, deviations)

Matt Humberstone, Senior Reliability and Risk Analyst, *U.S. NRC*
Bill Webster, Nuclear Risk-Informed Operations Strategic Advisor, *Dominion Energy*
Phil Tarpinian, Corporate Risk Management (PRA), Senior Staff Engineer, *Exelon Generation*

- FLEX: Expanded Use

	<ul style="list-style-type: none"> ○ NRC’s Crediting FLEX Effort ○ Optimizing the Use of FLEX Effort (NEI 16-06, NEI 16-08)
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September 2, 2020

Session 2: FLEX Operational Experience

Discover efforts to improve the sharing of FLEX operational experience to ensure stations learn and react to FLEX failures in the industry and continually improve FLEX preventive maintenance strategies.

<p>1-4:00 pm EDT</p>	<p>Moderator: Andrew Mauer, Technical Assistant, <i>Nuclear Energy Institute</i></p> <p>Marco Ruvalcaba, Assist. To Director, Emergency Response Services, <i>South Texas Project</i> Tracy St. Clair, Corporate Functional Area Manager, Diverse & Flexible Coping Strategies, <i>Energy Harbor</i></p> <p>John Giddens, Senior Manager, Fleet Regulatory Assurance, <i>Entergy Services</i> Monica Hurley, Senior Technical Leader – Nuclear, <i>EPRI</i> Maggie Staiger, Senior Project Manager, Regulatory Affairs, <i>Nuclear Energy Institute</i> Julio Lara, Region III Director, Division of Reactor Projects, <i>U.S. NRC</i></p> <ul style="list-style-type: none"> ● Failures and associated causes ● Implementation practices for preventative maintenance ● Enhancements to sharing FLEX operational experience ● NRC perspectives / Information Notice
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September 3, 2020

Session 3: FLEX: Enhancing Safety in Operations and Maintenance Activities

Explore strategies to improve plant safety with FLEX equipment that can supplement operator responses to emergency situations and lower the station’s risk profile during online and shutdown maintenance activities.

<p>1-4 pm EDT</p>	<p>Moderator: Steve Vaughn, Senior Project Manager, <i>Nuclear Energy Institute</i></p> <p>Roy Linthicum, Chair, Risk Management Committee, <i>PWROG</i> Randy Bunt, Project Manager, <i>BWROG/Southern Nuclear</i> Bill Williamson, Reactor Engineer Specialist, <i>TVA</i> Ben Youman, BlackStarTech™ Strategic Innovation Director, <i>Exelon Corporation</i></p> <ul style="list-style-type: none"> ● FLEX in Response to Operational Challenges <ul style="list-style-type: none"> ○ Incorporation of FLEX in Station Procedures ○ Exelon BlackStarTech™ Effort <p>Frank Gaber, Fukushima Program Owner, <i>Arizona Public Service Co.</i> Bob Rishel, Director PRA, <i>Duke Energy</i></p> <ul style="list-style-type: none"> ● FLEX in Configuration Risk Management <ul style="list-style-type: none"> ○ At-power ○ Shutdown
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September 9, 2020

Session 4: FLEX in Licensing and Oversight

Examine licensee experience leveraging FLEX equipment in license amendment request development, with discussion focused on licensee approaches that support a streamlined NRC review. This session also includes an interactive discussion on FLEX oversight related to significance determination process screening questions in IMC-0609, Appendix A revisions.

1-4:00 pm EDT

Moderator: Steve Vaughn, Senior Project Manager, *Nuclear Energy Institute*

Greg Bowman, Deputy Director, Division of Risk Analysis, *U.S. NRC*

Bob Pascarelli, Chief, PRA Licensing Branch-A, *U.S. NRC*

Gary DeMoss, Principal Engineer, *PSEG*

- FLEX in Licensing
 - Lessons learned and best practices

Michelle Kichline, Senior Reliability and Risk Analyst, *U.S. NRC*

John Hanna, Senior Reactor Analyst, *U.S. NRC*

Ryan Treadway, Regulatory Affairs Corporate Functional Area Manager, *Duke Energy*

Robin Ritzman, Principal Regulatory Compliance Engineer, *Curtiss-Wright*

Cecil Fletcher, Nuclear Licensing Consultant, *Duke Energy*

- FLEX in Oversight
 - IMC-0609, Appendix A Tabletop

September 10, 2020

Session 5: Modeling FLEX in Station PRAs

Delve into the various approaches available to model the human actions needed to successfully implement FLEX strategies in different contexts. Learn how to support modelling FLEX in station PRAs by reviewing the results from the collection and analysis of FLEX portable equipment failures.

1-4:00 pm EDT

Moderator: Steve Vaughn, Senior Project Manager, *Nuclear Energy Institute*

Roy Linthicum, Chair, Risk Management Committee, *PWROG*

Mike Montecalvo, Senior Reactor Analyst, *U.S. NRC*

- Failure Rates and Data Analysis
 - Industry Efforts
 - NRC Perspectives

Susan Cooper, Senior Reliability & Risk Engineer, *U.S. NRC*

Mary Presley, Principal Technical Leader, *EPRI*

Matt Nudi, Principal Technical Leader, *EPRI*

Young Jo, Consulting Engineer, *Southern Nuclear*

- Human Reliability Analysis (HRA)
 - Scenario development
 - Modeling approaches