LIC-504 Workshop on HEAF – Industry Perspective

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Overview

- Share perspectives on importance of HEAF events
- Share industry best practices in preventing or mitigating HEAF events
- Initial impressions of the draft methodology
HEAF Scenarios in Fire PRA have always been considered a significant contributor to risk. Uncertainty in HEAF treatments was a major concern for the industry. Resolving uncertainty is important for risk-informed applications. Risk-informed programs need accuracy in models. The updated method results generally in an overall reduction in plant risk. Individual scenarios results varied in impact (increase and decrease).
Preventing or Mitigating HEAF events

Several Key Actions to Prevent HEAF Events

- Routine Maintenance of electrical equipment
- Operator training
- Sharing of OE across utilities

Physical modifications can be used if necessary

- Risk significant plant configurations
- Shields or barriers

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Development of the draft methodology was completed by a multi-disciplinary team of experts.

Feedback and insights from the reference plant work was used to improve the methodology.

Methodology is sound and provides more realistic representation of HEAF in fire PRA models.

Implementing the methodology into the fire PRA models is time intensive and will vary depending on the level of refinement you have in the current FPRA model.

Refinements will allow utilities to focus on the plant safety.