

# Technical Applications of Risk-Informed Fire Protection

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# Some Possible Applications

- Dispositioning generic or plant-specific regulatory issues or findings
  - Fire barrier qualification issues, circuit failure or manual action issues, RCP seal issues, detection/suppression hardware issues, others
- Fire protection program changes
  - Compensatory measures, combustible controls, brigade training, others
- Fire protection/safe shutdown design changes
  - Suppression system changes, fire barrier modifications, others
- Fire risk optimization
  - Balance overall fire risk and cost of system maintenance and program implementation



# Needed for Success

- New licensing basis understood by licensee and accepted by NRC
- Well-understood transition process
- Well-understood inspection and finding resolution process
- Enforcement discretion for previous findings and those determined during transition
- Consistency with other regulatory program changes (fire protection not an outlier), including use of risk and performance information

