

# NEI Perspective on Licensing Beyond 60

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# Background

- **Operation beyond 60 years is needed to meet energy demands**
- **Currently licenses issued to 40 with 20 year extensions**
- **40 was never a magic number**

## License Renewal Rule

- **Basis of 10CFR54 is that CLB is adequate to ensure safe operation**
  - Requires aging management reviews
  - Requires management of aging effects
- **Goal is to maintain CLB to an acceptable level of safety during renewal period**
- **GALL Report used to provide NRC accepted aging management approaches**

## License Renewal Rule – Beyond 60

- **Basis of 10CFR54 (CLB ensures safe operation) remains the same & Rule does NOT require revision to support long term, safe, continued operation**
- **GALL Report is used to provide NRC accepted aging management approaches**
- **GALL is informed by ISGs and undergoes periodic updates**

# Work Needed for Subsequent License Renewal

- Recognize nothing magic about year 61
- No show-stoppers identified to date
- AMPs are monitored for effectiveness and revised as needed based on OE and CAPs
  - Relationship of effectiveness reviews, OE Programs, and CAPs currently ensures no process gaps but may be implemented different at different plants
  - AMP effectiveness reviews may not be as transparent as they should
  - Industry needs to advertise improvements better

## **Work Needed for Subsequent License Renewal (cont)**

- **Some SSCs may have been engineered for a specific lifetime that is shorter than 80 years**
  - **Expand material degradation assessment**
- **Review AMPs to determine if they will continue to adequately manage aging such that there is assurance of the functionality of the SSCs within the scope of license renewal**
- **Implementation of programs should be reviewed to ensure they remain adequate**

# NRC/Industry LR Process Pilot

- **A “tabletop” exercise has been outlined for Industry & NRC to review GALL & processes**
  - **Tabletop would critically evaluate the AMPs and their implementation for beyond 60**
  - **Identify where research is needed due to gap in knowledge**
  - **Meet NRC goals of transparency, openness & clarity in the licensing process**
  - **Align Industry and NRC expectations for subsequent applications**

## Conclusion

- **No changes to existing rulemaking needed**
- **Programs in place for license renewal**
- **NRC and Industry must come to a common understanding of the adequacy of AMPs & Programs**
- **License renewal is a regulatory process and currently has a process to incorporate new information into current programs**