

# Cumulative Effects of Regulation (CER): Case Studies on the U.S. Nuclear Regulatory Commission's (NRC) Regulatory Analyses

Category 3 Public Meeting

January 28, 2014

# Agenda

- Opening Remarks
- CER: Background and Status
- The Nuclear Energy Institute (NEI) Presentation on Case Study Status and Lessons Learned
  - Open discussion and questions/answers throughout
- Upcoming CER Deliverables
- Closing Discussion and Remarks

# Background on CER

- SECY-12-0137, “Implementation of the Cumulative Effects of Regulation Process Changes,” dated October 5, 2012 (ADAMS Accession No. ML12223A162).
- SRM to SECY-12-0137 dated March 12, 2013 (ADAMS Accession No. ML13071A635).
  - Directed the staff to prepare a follow-on SECY in two years on the effectiveness of CER and any lessons learned
- Agency-level public meetings conducted on May 8, 2013, September 19, 2013, and November 6, 2013.
- Fuel cycle public meetings conducted on October 1, 2013 and January 14, 2014.

## Focus of Today's Meeting: Case Studies on NRC's Regulatory Analyses

- SRM-SECY-12-0137:
  - The staff should engage industry to seek volunteer facilities to perform “case studies” to review the accuracy of cost and schedule estimates used in NRC’s regulatory analysis (such as the 10 CFR Part 73 security upgrades required after the attacks of September 11, 2001 and 10 CFR 50.48c, NFPA 805 program).
- NRC staff proposed the idea to industry during the May 2013 public meeting.
- NEI submitted a letter to the NRC on May 21, 2013 (ADAMS Accession No. ML13143A299)
  - Indicated industry support in the development of case studies associated with specific regulations
  - Identified 3 regulatory actions, which impact power reactor licensees:
    - 10 CFR 50.46c, NFPA 805, Fire Protection
    - 2009 Amendment to Part 73, Power Reactor Security Requirements
    - Subpart I to Part 26, Managing Fatigue

## Focus of Today's Meeting: Case Studies on NRC's Regulatory Analyses

- NRC cost analysts are in the audience to answer questions and participate in the discussion.
- The NRC staff is appreciative of the industry's voluntary support of these case studies, and looks forward to discussing lessons learned that could further improve the NRC's regulatory analysis work.

## Related Tasks

- SECY-14-0002, “Plan for Updating the U.S. Nuclear Regulatory Commission’s Cost-Benefit Guidance” (ADAMS Accession No. ML13274A495)
  - Describes NRC’s plan to update the cost-benefit guidance, methods, and tools, including the regulatory analysis guidance
- The U.S. Government Accountability Office (GAO) is engaged with the NRC in assessing the NRC’s cost estimating procedures used for new requirements on operating reactors



## Looking Ahead

- March 2015: Commission Paper
  - Publicly-available document that will “gather input from all interested external parties on the effectiveness of NRC’s CER process and provide an implementation status report to the Commission, including any recommendations for improvements derived from lessons learned”

# Questions?