

## SCHEDULING NOTE

**Title:** BRIEFING ON ALTERNATIVE RISK METRICS FOR NEW LIGHT WATER REACTORS (Public)

**Scheduled:** Thursday, October 14, 2010  
9:30 am

**Duration:** Approx. 3.0 hours

**Location:** Commissioners' Conference Room, 1<sup>st</sup> fl OWFN

**Participants:** **Presentation**

**External Participants** **40 mins.\***

**Biff Bradley**, Director of Risk Assessment, Nuclear Energy Institute 10 mins.\*  
Topic: Industry Perspective on the Approach to and Scope of Expected Risk-Informed Applications.

**Gary Miller**, Technical Leader, ESBWR PRA, GE-Hitachi 10 mins.\*  
Topic: Vendor's Perspective on the Options for Risk-Informed Guidance for New Reactors.

**Ken Canavan**, Director, Plant Technology, Electric Power Research Institute 10 mins.\*  
Topic: Industry Perspective on Probabilistic Risk Assessment (PRA) for New Light Water Reactors.

**Edwin Lyman**, Senior Staff Scientist, Union of Concerned Scientists 10 mins.\*  
Topic: NGO Perspective on Maintaining an Enhanced Level of Safety for New Reactors.

**Commission Q & A** **50 mins.**

**Break** **5 mins.**

**NRC Staff** **45 mins.\***

**Bill Borchardt**, Executive Director for Operations

**Michael Johnson**, Director, Office of New Reactors

**Charles Ader**, Director, Division of Safety Systems and Risk Assessment, NRO

**Frederick Brown**, Director, Division of Inspection and Regional Support, NRR

**Michael Mayfield**, Director, Advanced Reactor Program, NRO

Also at the table - not making a presentation, but to answer questions:

**Donald Dube**, Senior Technical Advisor, Division of Safety Systems & Risk Assessment, NRO

Topics:

- Status of New Reactor Program
- Risk-Informed Guidance for New Light Water Reactors (Commission paper on modifying risk-informed regulatory guidance for new light-water reactors)
  - Background on Risk-Informed Regulatory Guidance
    - Commission Policy
    - Licensing
    - Reactor Oversight Process (ROP)
    - Memorandum, dated 2/12/09, *Alternative Risk Metrics for New Light-Water Reactor Risk-Informed Applications*
  - Stakeholder and ACRS Interactions
  - Options
    - Treat new reactors and operating reactors the same using current risk-informed guidelines and ROP based on Core Damage Frequency and Large Early Release Frequency.
    - Modify current risk-informed guidance for changes to the licensing basis and ROP to explicitly address the need to evaluate the impact on those features added for enhanced safety performance.
    - Modify the current risk-informed guidance to include new, more stringent risk metrics for new reactors.
  - Staff Recommendation
  - Next Steps
- Progress on Identifying and Resolving Advanced Reactor Policy Issues

**Commission Q & A**

**50 mins.**

**Discussion – Wrap-up**

**5 mins.**

\*For presentation only and does not include time for Commission Q & A's