



Wrap-up

February 28 – March 2, 2006



Pre-Application Phase 2 Objectives

- **Conduct initial familiarization sessions for assigned NRC reviewers on the PBMR design, operations and safety approach.**
 - Session 1 - Plant design principles, layout and systems
 - Session 2 - Safety design and analysis, and plant operations and events
- **Obtain feedback from the NRC through the review of individual white papers addressing each of the focus topics identified during the Phase 1 Planning. Each white paper will comprise a substantive discussion on a specific topic, including technical, regulatory and policy issues.**
- **Submit a comprehensive version of a format and content guide tailored to the submission of a non-LWR DC application. This last activity helps assure the requirements for a complete, high quality application are understood well in advance of the application submittal.**



PBMR Familiarization Session 1

February 28 – March 2, 2006

- **PBMR Program Overview**
- **PBMR Design Principles**
- **Reactor Unit and Main Support Systems**
- **Power Conversion Unit**
- **Auxiliary Systems Overview**
- **Civil Structures and Equipment Arrangements**
- **Automation Systems**
- **Electrical Systems**



PBMR Familiarization Session 2

March 15-16, 2006

- **Plant Operations Overview**
- **Operating Conditions and Modes**
- **Fuel Design and Performance**
- **Radionuclide Inventories**
- **Safety Design Approach**
- **Definition of Event Sequences for the PBMR**
- **Review of Event Sequences**
 - PCU Transients
 - Reactivity Transients
 - Leaks & Breaks
 - Non-MPS Activity Release: Loss of Cooling to FHS Storage