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## **UPRISE Meeting Welcome**





# Light Water Reactor Sustainability Program

- Realigned to focus on supporting reliable expansion of domestic energy capacity and ensure continued operation of existing fleet.
- Supports implementation of UPRISE
  - Provides the technical basis, research capabilities, and industrial collaboration to expand output, extend operating lifetimes, and improve performance of existing fleet.



# Coordinated Research and Development

- Four focus areas or Pathways:
  - Capacity Expansion
  - Plant Optimization
  - Long-Term Performance
  - Protection and Assurance
- Program based on industry engagement and coordination
- Memorandums of understanding with Nuclear Regulatory Commission and Electric Power Research Institute

**ADDENDUM NO. 4 TO THE  
MEMORANDUM OF UNDERSTANDING**

**BETWEEN U.S. DEPARTMENT OF ENERGY AND U.S. NUCLEAR REGULATORY  
COMMISSION ON NUCLEAR ENERGY INNOVATION**

**Cooperative Nuclear Safety Research Related to Light Water Reactor Sustainability**

