



Bruce P Hallbert, Ph.D.
Director, Light Water Reactor
Sustainability Program
Technical Integration Office

Welcome and Meeting Overview

2024 LWRS Program Spring Review Meeting

April 30 – May 1, 2024



Light Water Reactor Sustainability (LWRS) Program

LWRS Goal

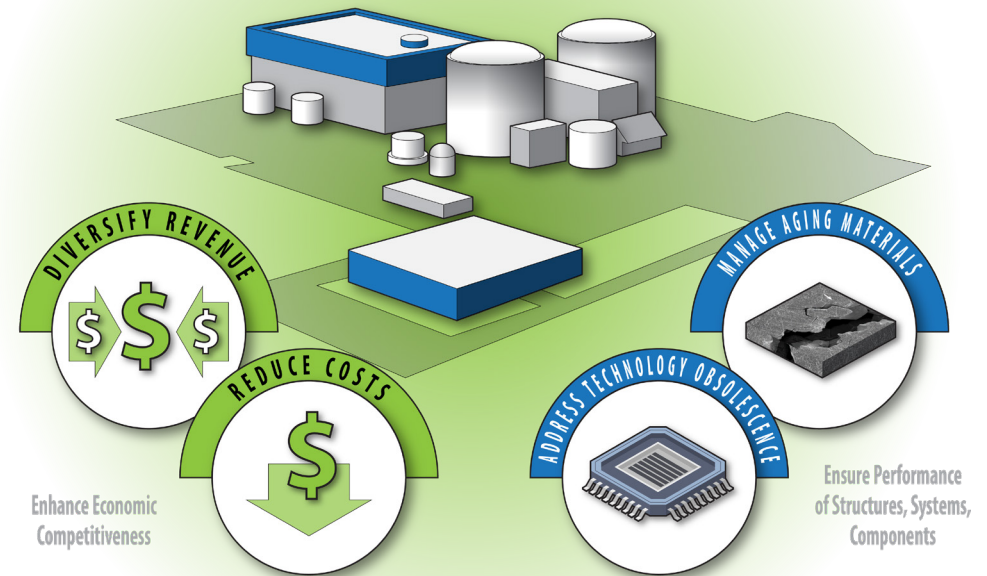
Enhance the safe, efficient, and economical performance of our nation's nuclear fleet and extend the operating lifetimes of this reliable source of electricity

OBJECTIVES

- Enable long term operation of the existing nuclear power plants
- Deploy innovative approaches to improve economics and economic competitiveness of LWRs in the near term and in future energy markets
- Sustain safety, improve reliability, enhance economics

FOCUS AREAS

- Plant Modernization Research and Development
- Flexible Plant Operation and Generation
- Risk-Informed Systems Analysis
- Materials Research
- Physical Security



21-50005-02

Meeting Overview

Purpose of Meeting

- Provide opportunities for technical exchange on high-priority topics related to the continued operation of the nation's commercial nuclear power fleet.
- Discuss plans and approaches of participating organizations to support the continued operation of U.S. existing nuclear reactors through research and development (R&D) efforts and collaborations.
- Communicate major accomplishments of the Light Water Reactor Sustainability (LWRS) Program in FY-23 and FY-24 that support these objectives.
- Present and discuss progress being made through collaborative R&D activities to achieve key objectives for sustaining the existing fleet.
- Obtain input on R&D activities and identify opportunities for collaboration.

Thank You for Your Participation!

- Participant microphones are muted during presentations
- Please submit questions using the **Chat Function**, or **'Raise Your Hand'** in Teams to ask your question or provide comments.

- Presentations from this meeting are available.
- We encourage participation in ongoing projects. If you would like more information about, or wish to participate in ongoing projects, please contact the **Pathway Leads**:

Bruce Hallbert | bruce.hallbert@inl.gov

Sujata Goetz | sujata.goetz@nuclear.energy.gov



LWRS Spring Meeting

BREAK

We'll return at **11:05 A.M.**

EASTERN TIME





Sustaining National Nuclear Assets

lwrs.inl.gov