



● Enterprise•SRS Future Initiatives



Clean Energy

Accelerate the deployment of nuclear energy and clean alternative energy through public and private partnerships that solve critical nuclear material storage, processing and disposition challenges, and use our broader expertise to support regional energy sustainability.

- Demonstrate clean energy systems
- Accelerate deployment of small modular nuclear reactor technology
- Develop and lead the nation's used nuclear fuel cycle initiatives



National Security

Enhance national security by providing customized solutions to the global nuclear nonproliferation, deterrence and threat reduction challenges through the innovative application of unique nuclear materials, technology and systems assets at Enterprise•SRS.

- Lead in proliferable materials disposition
- Lead in global nuclear nonproliferation and threat reduction systems solutions through R&D, analysis, forensics and demonstrations
- Lead in national deterrence programs through R&D and management of tritium and helium-3 for the nation



Environmental Stewardship

Transform liabilities to assets to reduce the environmental legacy of nuclear materials and radioactive waste at Enterprise•SRS in a way that utilizes technology to provide innovative solutions to speed and improve processing and leverages these solutions to other DOE and non-DOE locations and customers.

- Lead development, validation and assessment of innovative radioactive waste cleanup technologies to accelerate current DOE national program priorities
- Use the Site's capabilities as solutions to the nation's nuclear materials disposition issues
- Transform potential liabilities into assets by repurposing excess facilities and/or equipment to address national needs

SRS has a sound heritage based on innovation and expertise with a willingness to take on complex challenges to improve and enhance the security of our nation. The expertise and technical capabilities of SRNL, combined with the SRS infrastructure, facilities, and safety culture, make SRS a prime location for the deployment of innovative solutions to address the nation’s most pressing issues in clean energy, national security and environmental stewardship. The 12 strategic initiatives listed below are designed to launch Enterprise•SRS towards addressing these vital national interests.

National Security	Clean Energy	Environmental Stewardship	Strategic Initiatives
			Establish Center for Applied Nuclear Materials Process and Engineering Research
●	●	●	Develop Solutions to Close and Better Secure the Nuclear Fuel Cycle
		●	Accelerate Liquid High Level Waste Dispositioning
●	●		Accelerate Deployment of Small Modular Reactors
●	●	●	Deliver Disposition Paths for Nuclear Materials
●	●	●	Leverage and Revitalize Site Assets (Facilities, People) to Solve National and Regional Issues
●			Increase Helium-3 Supply to Aid Nuclear Nonproliferation
	●	●	Reduce Greenhouse Gas Emission via Clean Alternative Energy Projects
		●	Develop and Deploy Next Generation Cleanup Technologies
●			Establish Advanced Center for Nuclear Forensics and Attribution
●			Implement Modifications to Tritium Infrastructure
		●	Expand Reach and Impact of National Center of Radioecology