



SC NEXUS

Develop. Test. Deploy.



The Economic Impact of Nuclear Lifecycle Investments in the SRS Region

Nuclear Ecosystem

- 1 Assess the nuclear facilities, organizations, workforce capabilities, and supporting assets concentrated in and around the Savannah River Site

Regional Access

- 2 Evaluate the Savannah River Site's proximity to major Southeastern economic centers and define the surrounding regional labor shed.

Economic Impact

- 3 Estimate the local and statewide indirect and induced economic effects generated by investments in nuclear materials reprocessing, fuel fabrication, and power generation.



This assessment estimates the local and statewide indirect and induced economic effects generated by investments in nuclear materials reprocessing, fuel fabrication, and power generation in the region surrounding the Savannah River Site, defined as Aiken, Barnwell, and Allendale counties.



A Statewide Nuclear Ecosystem

A connected network of facilities, expertise, and educational institutions supporting the nation's nuclear mission.



Offers graduate-level nuclear engineering programs, focusing on reactor systems, fuel cycles, and materials with specialized research in small modular reactors (SMRs) and advanced nuclear fuels.



Savannah River National Laboratory is a multidisciplinary research and development center, known for its world-class expertise in nuclear, chemical, and materials manufacturing and its ability to translate innovations into industrial-scale operations.



Provides research and educational expertise in advanced materials and manufacturing, computer science, electric power systems, and environmental engineering.



Focuses on training students to meet workforce needs in areas including environmental management, national security, advanced manufacturing, and material science.



50+
Nuclear
Firms &
Institutions

The unique combination of assets, infrastructure, and existing capacity has fostered a nuclear ecosystem that spans the full nuclear lifecycle, including:

**Engineering &
Design**

**Equipment &
Fabrication**

**Materials &
Components**

**Construction
Services**

**Logistics &
Transport**

**Waste
Management**

**Testing &
Inspection**

**Professional
Services**

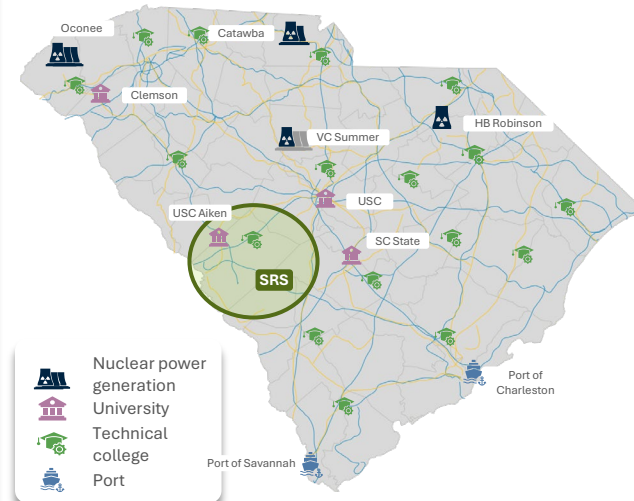
**Cybersecurity &
IT**

ENABLING INFRASTRUCTURE

An integrated logistics network with experience supporting nuclear lifecycle and advanced manufacturing operations.

Equipped with 2,265 miles (3,645 km) of Class I freight rail enabling large-scale transport.

Access to two major ports, including Port of Charleston (one of the deepest harbors on the East Coast) and Port of Savannah.



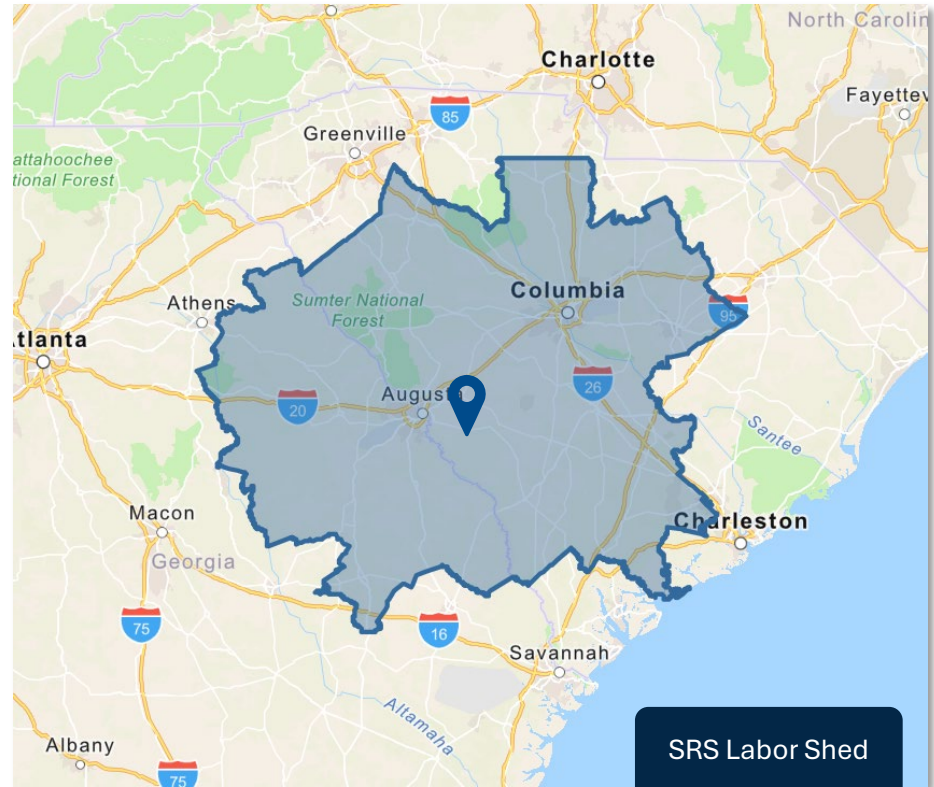
At the Center of the Southeast

The Savannah River Site is strategically positioned along the South Carolina-Georgia border with access to major Southeastern economic centers and labor markets.

The Savannah River Site is located along the South Carolina-Georgia border, spanning portions of Aiken, Barnwell, and Allendale counties. Its central location provides access to major population centers and labor markets across the Southeast.

Regional Access

Augusta, GA	30 Minutes
Columbia, SC	1 Hour
Charleston, SC	2.5 Hours
Atlanta, GA	2.5 Hours
Charlotte, NC	2.5 Hours
Savannah, GA	3 Hours



SRS Labor Shed: For this assessment, the SRS regional labor shed represents the broader population and workforce accessible to employers surrounding the Savannah River Site. The geography is based on an approximately 90-minute commuting radius and includes counties intersecting the modeled labor-shed area.

Economic Impact of Nuclear Lifecycle Investments

Capital investments create immediate construction activity, while ongoing operations support recurring economic output.

MATERIALS REPROCESSING & FUEL FABRICATION

Capital Investment & Construction

	Employment Effects (Job-Years)	Value Added
Direct	3.19	\$540,337
Indirect	1.25	\$173,167
Induced	1.34	\$157,047
Total	5.77	\$870,551
Effects generated per \$1 million of construction investment in reprocessing and fuel fabrication facility.		

Operations

	Employment Effects (Jobs)	Value Added
Direct	1.00	\$354,377
Indirect	1.66	\$246,154
Induced	1.04	\$122,241
Total	3.70	\$722,773
Effects supported per direct full-time operational job at a reprocessing and fuel fabrication facility.		

NUCLEAR POWER GENERATION

Capital Investment & Construction

	Employment Effects (Job-Years)	Value Added
Direct	4.58	\$640,038
Indirect	0.95	\$131,159
Induced	1.68	\$197,553
Total	7.21	\$968,750
Effects generated per \$1 million of construction investment in nuclear power generation facility.		

Operations

	Employment Effects (Jobs)	Value Added
Direct	1.00	\$674,655
Indirect	1.05	\$207,739
Induced	1.03	\$121,392
Total	3.09	\$1,003,786
Effects supported per direct full-time operational job at a nuclear power generation facility.		

Note: All figures are estimates of statewide economic effects. Employment reflects jobs supported; construction employment is measured in job-years, with one job-year equal to one job supported for one year. Value added represents the estimated contribution to state GDP.

