



U.S. DEPARTMENT OF  
**ENERGY**



# Savannah River Site Presentation

Derrick Watkins  
Deputy Chief Financial Officer  
U.S. Department of Energy-Savannah River Operations Office

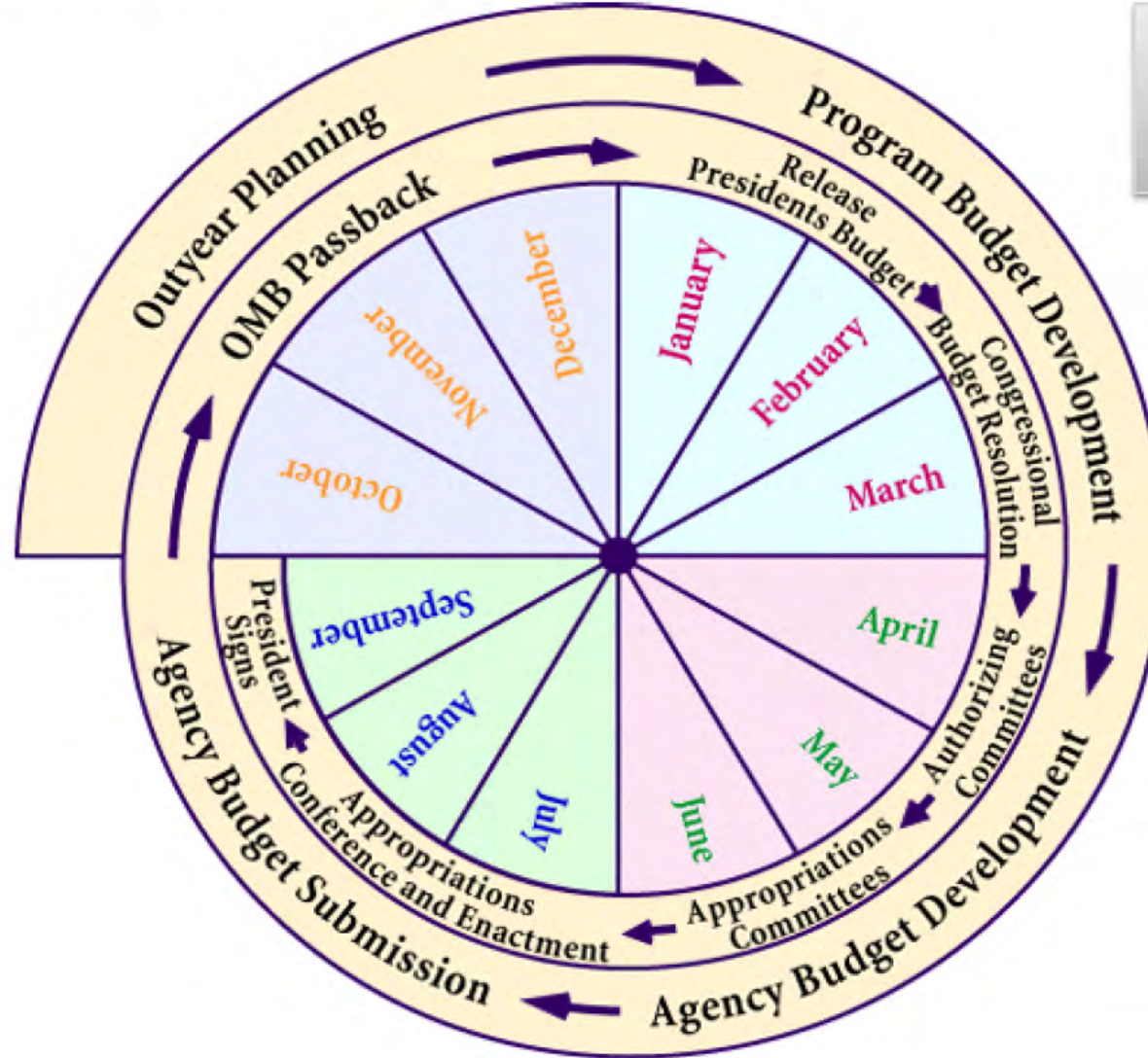
*Citizens Advisory Board (CAB) – Budget Update/Site Priorities Discussion  
March 2022*

# Purpose

---

- **Provide an overview of the Federal Budget Planning Process**
- **Review of Fiscal Year 2022 President's Budget Request (PBR)**
- **Review of Fiscal Year 2022 Priorities**
- **Discuss Fiscal Year 2024 Planning and the Site Priorities**
- **Request input from the CAB for Fiscal Year 2024 priorities**

# Federal Budget Planning Process



Inside Circle= Current Fiscal Year (FY)  
Middle Circle = FY 2023  
Outside Circle= FY 2024



# EM Budget Overview

ENVIRONMENTAL MANGAEMENT FY2022 Dollars in Thousands				
	FY2019 Enacted	FY2020 Enacted	FY2021 Enacted	FY2022 PBR
Environmental Management	7,175,129	7,455,200	7,586,200	7,596,200
Savannah River Site	1,551,014	1,629,924	1,702,870	1,746,219

ENVIRONMENTAL MANAGEMENT FY2022	
Environmental Management	\$M
• Carlsbad/Waste Isolation Pilot Plant	437
• Idaho	381
• Oak Ridge	561
• Paducah	275
• Portsmouth	547
• Richland/Hanford	1,026
• River Protection	1,541
• Savannah River	1,746
• Lawrence Livermore National Laboratory	37
• Los Alamos National Laboratory	334
• Nevada	61
• Sandia Site Office	4
• Separation Process Research Unit (SPRU)	15
• West Valley Demonstration Project	92
• Energy Technology Engineering Center	21
• Moab	85
• Closure Sites Administration	16
• Program Direction	293
• D&D Fund Deposit	416
• Mission Support	124
• D&D Fund Offset	-416
EM Total	7,596

# FY 2022 Request

	FY 2020 Enacted	FY 2021 Enacted	FY 2022 Request	FY 2022 vs FY 2021
<b>Defense Environmental Cleanup</b>				
<b>Savannah River Site</b>				
<b>Savannah River Risk Management Operations</b>				
SR-0011C - Nuclear Material	360,558	349,724	312,760	-36,964
SR-0013 - Solid Waste	43,825	50,071	45,968	-4,103
SR-0030 - Soil and Water	65,508	56,412	55,439	-973
SR-0041 - Risk Red Deact & Surv and Maint	26,324	27,264	21,000	-6,264
SR-0042 - Infrastructure and Land Mgt	10,151	16,529	17,557	1,028
<b>Subtotal, Operating</b>	<b>506,366</b>	<b>500,000</b>	<b>452,724</b>	<b>-47,276</b>
<b>Construction:</b>				
18-D-402 Emergency Operations Center Replacement, SR	6,792	6,500	8,999	2,499
19-D-701 SR Security System Replacement	4,525	1,000	5,000	4,000
20-D-402 Advanced Manufacturing Collaborative Facility (AM)	25,000	25,000	0	-25,000
<b>Subtotal, Construction</b>	<b>36,317</b>	<b>32,500</b>	<b>13,999</b>	<b>-18,501</b>
<b>Subtotal, Savannah River Risk Management Operations</b>	<b>542,683</b>	<b>532,500</b>	<b>466,723</b>	<b>-65,777</b>
<b>SR Legacy Pensions</b>				
SR-0101 - SR Legacy Pensions	0	0	130,882	130,882
<b>Savannah River Community and Regulatory Support</b>				
SR-0100 - Comm. & Reg.	11,249	11,549	5,805	-5,744

## Savannah River Risk Management Operations

- Nuclear Materials Stabilization and Disposition Program will meet Public Law 50 U.S. Code § 2633 that requires continued operations and maintaining a high state of readiness for H-canyon.
- Supports storage, treatment and disposal functions for transuranic, low-level radioactive waste, mixed low-level radioactive waste, hazardous, and sanitary waste.
- Soil and Water Remediation & Facility Deactivation and Decommissioning Program will continue to remediate Savannah River Site contaminated soils, groundwater, streams (and associated wetlands), and waste sites.
- Supports deactivation and decommissioning activities of inactive facilities within D Area.
- Supports the surveillance and maintenance of non-operating nuclear facilities (currently consisting of F-Area Complex Facilities, as well as the Receiving Basin for Off-Site Fuels Facility in H-Area), deactivation of the F-Area Materials Storage Facility (235-F).
- General Site functions including land management activities supported by the Forrest Service, identification and management of cultural resources, and sustainment of natural resources by the Savannah River Ecology Lab.

## Construction

- Complete Final Design and award construction contract for the Emergency Operations Center.
- Start K Area installation and construction for the SR Security Replacement Center.

## SR Legacy Pensions

- Support EM's share (60%) of Savannah River Site's legacy pension obligation.

## Savannah River Community and Regulatory Support

- Supports the Citizens Advisory Board, the States of South Carolina and Georgia for emergency management activities, South Carolina Department of Natural Resources for maintaining the Cracker neck Wildlife Management Area and Ecological Preserve, South Carolina Department of Health and Environmental Control and the Environmental Protection Agency oversight.



# FY 2022 Request (Cont'd)

	FY 2020 Enacted (Continued)	FY 2021 Enacted (Continued)	FY 2022 Request (Continued)	FY 2022 vs FY 2021 (Continued)
<b>Defense Environmental Cleanup</b>				
<b>Radioactive Liquid Tank Waste Stabilization and Disposition</b>				
SR-0014C - Tank Waste	763,520	834,693	890,865	56,172
Construction:				
05-D-405 - Salt Waste Proc. Fac.	21,200	0	0	0
17-D-402 - Saltstone Disposal Unit #7	40,034	10,716	0	-10,716
18-D-402 Saltstone disposal unit 8 9	20,000	65,500	68,000	2,500
20-D-401 Saltstone Disposal Unit 10 11 12	500	562	19,500	18,938
Subtotal, Construction	81,734	76,778	87,500	10,722
Subtotal, Radioactive Liquid Tank Waste Stabilization and Disposition	845,254	911,471	978,365	66,894
Total, Savannah River Site	1,459,598	1,536,293	1,581,775	45,482
<b>Safegaurds and Security*</b>				
SR-0020 - S&S	170,326	166,577	164,444	-2,133
Total, Savannah River	1,629,924	1,702,870	1,746,219	43,349

## **Radioactive Liquid Tank Waste Stabilization and Disposition**

- Installing retrieval and mixing pumps in tanks to support sludge and salt feed for Defense Waste Processing Facility and the Salt Waste processing Facility.
- Processing up to 150 canisters in Defense Waste Processing Facility.
- Operate Salt Waste Processing Facility up to a 6 million gallons per year rate and process available feed of at least 4.5 million gallons.

## **Construction**

- Build Saltstone Disposal Units on schedule to dispose of the decontaminated salt solution produced by the Salt Waste Processing Facility and Tank Closure Cesium Removal unit.

## **Safeguards & Security\***

- Supports required security force and resources necessary to guard and safely maintain Special Nuclear Material in accordance with DOE policy.

\*Safeguards and Security funding managed as a single complex-wide congressional control. However, funding is displayed for site completeness.

## Functional Areas of EM Mission: Program Baseline Summaries (PBS)

---

PBS 11C	Nuclear Materials Stabilization & Disposition (Includes Spent Nuclear Fuel Receipt/Storage)
PBS 13	Solid Waste Stabilization & Disposition
PBS 30	Soil & Water Remediation, Facility Deactivation & Decommissioning
PBS 41	Surveillance, Maintenance, and Deactivation (F-Area and 235 Risk Reduction)
PBS 42	Infrastructure and Land Management 18-D-402: Emergency Operations Center 19-D-701: SR Security System Replacement 20-D-402: Advanced Manufacturing Collaborative Facility (AMC)
PBS 14C	Radioactive Liquid Tank Waste Stabilization & Disposition 17-D-402: Saltstone Disposal Unit #7 18-D-402: Saltstone Disposal Units #8/9 20-D-401: Saltstone Disposal Units #10-12
PBS 20	Safeguards and Security
PBS 100	Community & Regulatory Support
PBS 101	Legacy Pension

## Major Categories of the Site Priorities

**All priorities (scopes) in each PBS are grouped into one of four categories:**

- Support Safe Operations & Site Services
- Operational Support
- Cleanup Activities to meet Compliance Milestones & Commitments
- Progress in other EM Mission Activities



# Major Categories of the Site Priorities

---

## 1. Support Safe Operations & Site Services

- Activities necessary to maintain facilities or systems in a state of operational readiness, include Site Safeguards & Security

## 2. Operational Support

- Activities necessary to meet contractual and legal commitments and obligations in support of Site Operations that are not included in Safe Operations, Compliance, and Making Progress categories. Primary focus includes:
  - Headquarters and Site direct contracts
  - Community (CAB) and Regulatory (EPA and SCDHEC) support activities
  - Site Infrastructure support activities.

### 3. Cleanup Activities to meet Compliance Milestones & Commitments

- Activities necessary to comply with Federal & State Regulations:
  - Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
  - Resource Conservation and Recovery Act (RCRA)
  - Federal Facility Act (FFA)
- These regulations primarily focus on cleanup and monitoring activities associated with Solid Waste (PBS 13), Liquid Waste (PBS 14C) and Soil & Water Remediation (PBS 30).

### 4. Making Progress in other EM Mission Activities

- Primary focus in this category is mission activities associated with Nuclear Materials and Spent Nuclear Fuel stabilization and disposition (PBS 11C), Solid Waste Stabilization & Disposition (PBS-13), F-Area Surveillance, Maintenance, and Deactivation (PBS 41), Facility Deactivation & Decommission (PBS 30).



# SRS EM PBS's & Site Priorities List Categories

<b>PBS 11C</b> Nuclear Materials Stabilization & Disposition	<b>PBS 13</b> Solid Waste Stabilization & Disposition	<b>PBS 30</b> Soil & Water Remediation, Facilities D&D	<b>PBS 41</b> Surveillance, Maintenance, and Deactivation	<b>PBS 42</b> Infrastructure and Land Management
<ul style="list-style-type: none"><li>• Safety</li><li>• Operational Support</li><li>• Making Progress</li></ul>	<ul style="list-style-type: none"><li>• Safety</li><li>• Operational Support</li><li>• Regulatory Commitments</li><li>• Making Progress</li></ul>	<ul style="list-style-type: none"><li>• Safety</li><li>• Operational Support</li><li>• Regulatory Commitment</li><li>• Making Progress</li></ul>	<ul style="list-style-type: none"><li>• Safety</li><li>• Operational Support</li><li>• Making Progress</li></ul>	<ul style="list-style-type: none"><li>• Operational Support</li></ul>
<b>PBS 14C</b> Radioactive Liquid Tank Waste Stabilization & Disposition	<b>PBS 20</b> Safeguards & Security	<b>PBS 100</b> Community & Regulatory Support	<b>PBS 101</b> Legacy Pension	
<ul style="list-style-type: none"><li>• Safety</li><li>• Operational Support</li><li>• Regulatory Commitments</li></ul>	<ul style="list-style-type: none"><li>• Safety</li><li>• Operational Support</li></ul>	<ul style="list-style-type: none"><li>• Operational Support</li></ul>	<ul style="list-style-type: none"><li>• Safety</li></ul>	




DOE-SR requests input from the CAB for Fiscal Year 2024 priorities.

- Does the CAB want to maintain the same priorities from FY2023 for FY2024?

# Last Year's CAB Input to Fiscal Year 2023 Budget

## CAB's FY23 priorities:

- Liquid Waste Program
- Nuclear Materials
- Accelerated Deactivation & Decommissioning of 235-F
- Common and Program Infrastructure across entire SRS complex to be addressed down to PBS levels

**SAVANNAH RIVER SITE  
CITIZENS ADVISORY BOARD**  
P.O. Box A • Building 730-B • Room 3121 • Aiken, SC 29802

**CHAIRPERSON**  
Gregg Murray

**BOARD MEMBERS**  
Phyllis Britt  
Kandace Cave  
DeAndre L. Davis  
Jim Grille  
Charles Hilton

**DOE**  
Amy Boyette  
Michael Miskolc

**EPA Liaison**  
Jon Richards

**SCDHEC Liaison**  
Susan Fulmer  
Grace Anne Martin

**GADNR Liaison**  
Sean Hayes

**Federal Coordinator**  
de'Lisa Carrio

July 26, 2021

Mr. Michael Budney, Site Manager  
U.S. Department of Energy  
Savannah River Operations Office  
P. O. Box A  
Aiken, South Carolina 29802

Dear Mr. Budney,

The Savannah River Site Citizens Advisory Board (SRS CAB) appreciates the opportunity to provide input to the site's prioritized activities for Fiscal Year (FY) 2023. We ask that the budget request for FY 2023 reflect our priorities and be at a level that guarantees compliance with all state and federal agreements.

In regard to all Environmental Management mission activities, recommended priorities are as follows:

Liquid Waste Program – including the Saltstone Disposal Units  
Nuclear Materials  
Accelerated Deactivation & Decommissioning of 235-F  
Common and Program Infrastructure across entire SRS complex to be addressed down to PBS levels

The SRS CAB also places a high priority on the complete funding of Payment In-Lieu of Taxes (PILT) to Aiken County, Barnwell County and Allendale County.

Thank you for the opportunity to submit our recommended priorities for the budget request for the Savannah River Site for FY 2023.

**Gregg R. Murray**

Digitally signed by Gregg R. Murray  
DN: cn=Gregg R. Murray, o, ou,  
email=g.murray@savस्ता.ade, c=US  
Date: 2021.07.29 07:53:41 -0400

Dr. Gregg Murray, Chairperson  
SRS Citizens Advisory Board

If you have questions or comments, please contact us at:

Phone: 803-957-7884 • Toll Free: 1-800-249-8155  
Email: [srs-citizensadvisoryboard@srs.gov](mailto:srs-citizensadvisoryboard@srs.gov)  
For more information about the CAB, visit us at <http://cab.srs.gov>

---

# Questions?