



U.S. DEPARTMENT OF
ENERGY



Budget Update/Site Priorities Discussion

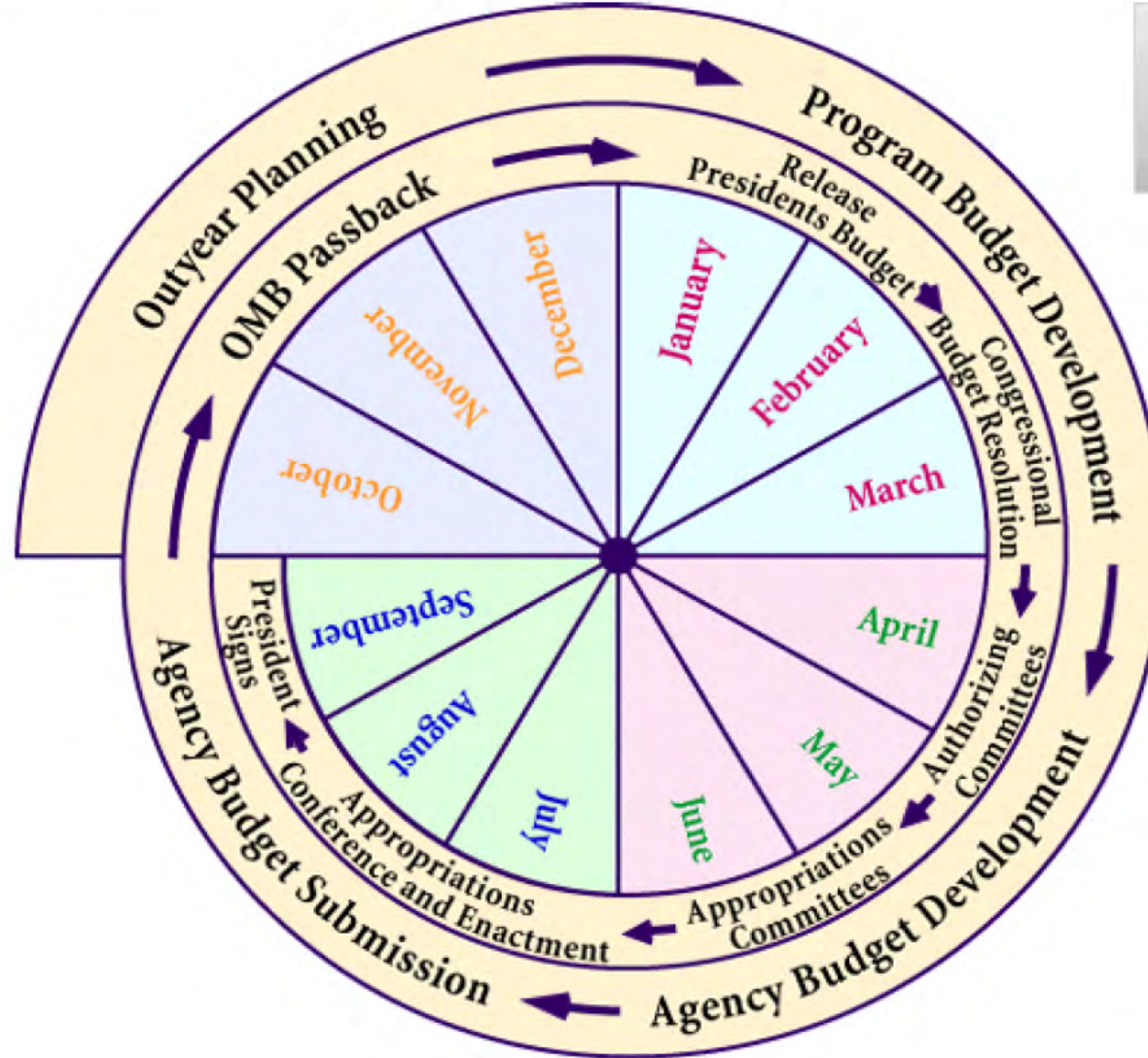
Pat Petty
Budget Director
U.S. Department of Energy-Savannah River Operations Office

*Citizens Advisory Board (CAB) – Budget Update/Site Priorities Discussion
March 2023*

Purpose

- **Provide an overview of the Federal Budget Planning Process**
- **Review of Fiscal Year 2023 Enacted Budget**
- **Review of Fiscal Year 2024 Priorities**
- **Discuss Fiscal Year 2025 Planning and the Site Priorities**
- **Request** input from the CAB for Fiscal Year 2025 priorities

Federal Budget Planning Process



Inside Circle= Current Fiscal Year (FY)
Middle Circle = FY 2024
Outside Circle= FY 2025

EM Budget Overview

ENVIRONMENTAL MANAGEMENT FY2023 Dollars in Thousands			
	FY2021 Enacted	FY2022 Enacted	FY2023 Enacted
Environmental Management	7,586,200	7,903,863	8,262,635
Savannah River Site	1,702,870	1,757,085	1,807,871

ENVIRONMENTAL MANAGEMENT FY2023	
Environmental Management	\$M
• Carlsbad	467
• ETEC	26
• Idaho	472
• Los Alamos	332
• Lawrence Livermore	37
• Lawrence Berkeley	15
• Moab	67
• Nevada	63
• Oak Ridge	637
• Richland	1,114
• River Protection	1,730
• Paducah	330
• Portsmouth	580
• Savannah River	1,808
• SPRU	15
• Sandia	4
• West Valley	95
• Defense Closure Site Activities	4
• Program Direction	317
• Mission Support Activities	84
• Technology Development	40
• Excess Facilities	11
• Uranium Thorium Reimbursements	15
EM Total	8,263

FY 2023 Enacted

	FY2021 Enacted	FY2022 Enacted	FY2023 Enacted
Defense Environmental Cleanup			
Savannah River Site			
<i>Savannah River Risk Management Operations</i>			
SR-0011C - Nuclear Material	349,724	314,760	340,008
SR-0013 - Solid Waste	50,071	45,968	45,509
SR-0030 - Soil and Water	56,412	55,305	60,455
SR-0041 - Surveillance, Maintenance, and Deactivation	27,264	25,500	21,463
SR-0042 - Infrastructure and Land Mgt	16,529	17,557	18,429
Subtotal, Operating	500,000	459,090	485,864
Construction:			
18-D-402 Emergency Operations Center	6,500	8,999	25,568
19-D-701 SR Security System Replacement	1,000	5,000	12,000
20-D-402 Advanced Manufacturing Collaborative Facility	25,000	0	0
Subtotal, Construction	32,500	13,999	37,568
Subtotal, Savannah River Risk Management Operations	532,500	473,089	523,432
<i>Savannah River Legacy Pensions</i>			
SR-0101 - SR Legacy Pensions	0	130,882	132,294
<i>Savannah River National Laboratory O&M</i>			
SR-SRNL-0100 - SRNL O&M	0	0	41,000
<i>Savannah River Community and Regulatory Support</i>			
SR-0100 - Comm. & Reg.	11,549	11,805	12,137

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 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 award construction contract and start of the Emergency Operations Center/ SR Security Replacement Center.
- Support construction of K Area Argus.

SR Legacy Pensions

- Supports EM's share of Savannah River Site's legacy pension obligation.

SRNL O&M

- Funds EM's share of Savannah River National Laboratory Operations and Maintenance.

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, South Carolina Department of Health and Environmental Control, and the Environmental Protection Agency oversight.

FY 2023 Enacted (Cont'd)

	FY2021 Enacted	FY2022 Enacted	FY2023 Enacted
Defense Environmental Cleanup			
<i>Radioactive Liquid Tank Waste Stabilization and Disposition</i>			
SR-0014C - Tank Waste	910,832	889,365	851,660
Construction:			
17-D-402 Saltstone Disposal Unit #7	10,716	0	0
18-D-402 Saltstone Disposal Unit #8, 9	65,500	68,000	49,832
20-D-401 Saltstone Disposal Unit #10, 11, 12	562	19,500	37,668
Subtotal, Construction	76,778	87,500	87,500
Subtotal, Radioactive Liquid Tank Waste Stabilization and Disposition	987,610	976,865	939,160
Total, Savannah River Site	1,531,659	1,592,641	1,648,023
Safeguards and Security*			
SR-0020 - S&S	171,211	164,444	159,849
Total, Savannah River Site	1,702,870	1,757,085	1,807,872

Radioactive Liquid Tank Waste Stabilization and Disposition

- Processing 180-200 canisters in Defense Waste Processing Facility.
- Complete modifications in Defense Waste Processing Facility to increase glass throughput in support of Salt Waste Processing Facility operations at a processing rate of up to 9 million gallons per year.

Construction

- Complete construction of Saltstone Disposal Unit 8.
- Continue construction of Saltstone Disposal Unit 9.
- Initiate construction for Saltstone Disposal Units 10-12.

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 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
SRNL 100	SRNL Operations and Management
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

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

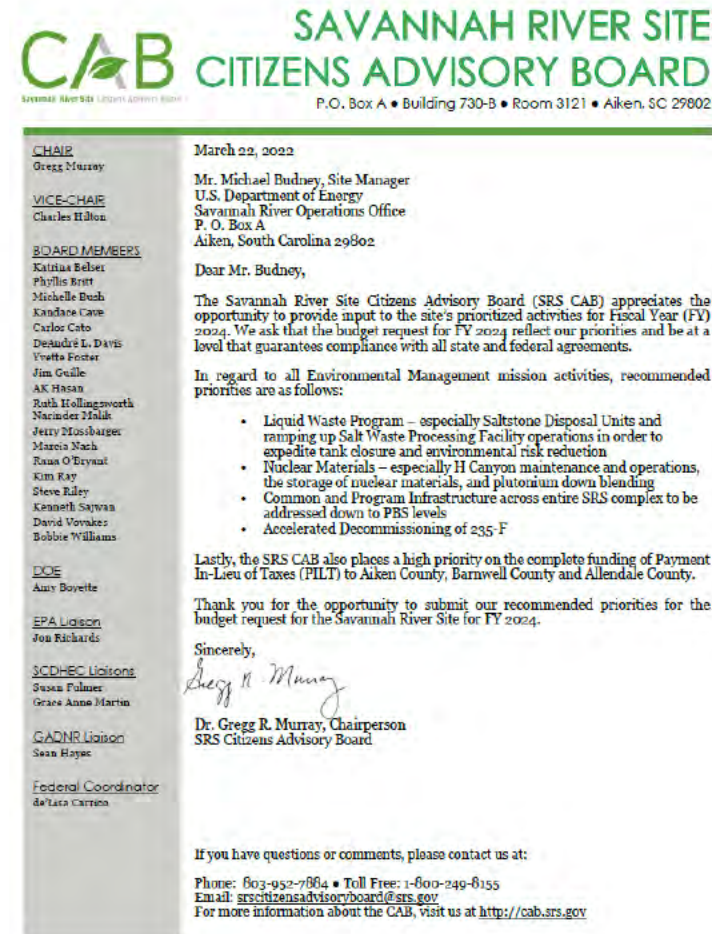
DOE-SR requests input from the CAB for Fiscal Year 2025 priorities.

- Does the CAB want to maintain the same priorities from FY2024 for FY2025?

Last Year's CAB Input to Fiscal Year 2024 Budget

CAB's FY24 priorities:

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



Questions?

Backup Slides

SCDHEC's Input to Fiscal Year 2024 Budget

SCDHEC's Priorities:

- Treatment of high-level waste and closure of tanks.
- Procure funding to support FY2024 soil and groundwater projects, and where possible procure additional funding to accelerate projects listed in Appendix E.3 of the SRS FFA.
- Procure funding to complete the decommissioning of the F-Area Material Storage Building (235-F) and closure under the FFA.
- Procure funding to complete D&D of the D-Area Powerhouse.
- Procure funding for the C-Area Reactor Building.
- Environmental Surveillance and Oversight Program.



March 28, 2022

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

Re: Savannah River Site FY2024 Budget Request

Dear Mr. Budney,

Thank you for the opportunity for the South Carolina Department of Health and Environmental Control (SCDHEC) to offer input to the Savannah River Site (SRS) FY2024 budget formulation process.

The Department's priorities and recommendations are outlined below.

- *SCDHEC's highest priority for the DOE budget is the treatment of high-level waste and closure of tanks.*
 - The high-level waste tanks are the most significant environmental risk to South Carolina. With hot operations of the Salt Waste Processing Facility (SWPF) started on January 18, 2021, all liquid waste facilities and technologies (SWPF, Next Generation Solvent, Tank Closure Cesium Removal, Defense Waste Processing Facility, and Saltstone Disposal Facility) must be completely funded in order to attain the maximized waste processing volumes outlined in the 2016 Saltstone Dispute Resolution Agreement (36.75 million gallons through FY2022 and a minimum of 8 million gallons per fiscal year thereafter) and to store or dispose of the processed waste.
 - SCDHEC requests DOE procure funding to continue its commitment to accelerate the closure of the F-Area Tank Farm as stated in the 2019 Suspension Agreement for Federal Facility Agreement (FFA) High-Level Waste (HLW) Tank Milestones. Complete closure of the F-Area high-level liquid waste tanks and ancillary equipment will greatly reduce risk.
- *Procure funding to support FFA Appendix E.2 FY2024 soil and groundwater projects, and where possible, procure additional funding to accelerate projects listed in Appendix E.3 of the SRS FFA.*

The positive work completed under the Savannah River Site Federal Facility Agreement (FFA) has made SRS one of the most successful agreements within the Department of Energy

SC Department of Health and Environmental Control
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SRSCRO's Input to Fiscal Year 2024 Budget

SRSCRO Priorities:

- Processing Spent Fuel
- Liquid Waste Program
- SRS Infrastructure



March 28, 2022

Mr. Michael Budney, Manager
Department of Energy
Savannah River Operations Office
P.O. Box A
Aiken, SC 29802

Re: **SRSCRO Priorities for the FY2024 SRS Budget Development**

Dear Mr. Budney:

We appreciate the opportunity to offer our input as you develop the FY24 budget and priority list for Savannah River Site (SRS). For the past several years, the SRS budget has increased and seems to be adequate to cover most missions at SRS. Although not under your control, it is still troubling that Congress relies on Continuing Resolutions (CR) for much of the fiscal year without passing a timely appropriations budget. This action unfairly delays new projects and compresses the timeframe for budget expenditures.

As we have stated in past responses, all the missions and programs at SRS are important to the SRS Community Reuse Organization (SRSCRO). It is difficult to place a priority ranking to our list; however, this year we would like to focus on several compelling missions that may not be adequately funded or that may need increased funds to accomplish its missions.

• **Processing Spent Fuel**

Continued operation and funding of H-Canyon remains a priority. It has been a long-standing priority of the SRSCRO to process such waste through H-Canyon and not continually store such material at SRS. H-Canyon is needed to process spent fuel stored in the L-Basin pools. Without it there is no disposition path out of SRS and our community for this nuclear material. Keeping H-Canyon in an operational status, fully funded and fully staffed, until the SRS inventory of research reactor fuels has been fully dispositioned is important until something "younger" and just as capable is in operation.

• **Liquid Waste Program**

We believe it is essential that high-level liquid waste (HLW) is removed from the aging underground tanks at SRS in an expeditious manner. However, the longer waste remains in the aging tanks, the greater the risk of tank leaks into the environment. The Salt Waste Processing Facility (SWPF) will significantly accelerate the ability to treat the remaining radioactive tank waste at the site. SWPF funding and operation needs to be a priority at SRS.

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Serving the Counties of Aiken SC, Allendale SC, Barnwell SC, Columbia GA, and Richmond GA