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Savannah River Field Office

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• NNSA Organizations and Relationships

• SRS Defense Program Role in Nuclear Security Enterprise

• Infrastructure Sustainment

• Budget Profiles

• Accomplishments and Priorities
SRS Organization Alignment

**DOE – EM**
Environmental Management (Site Landlord)

**DOE - NNSA**
Savannah River Field Office

**DOE-NNSA NA-23**
Material Management and Minimization

**DOE- NNSA NA-APM**
Acquisitions & Project Management

**US Forest Service**

**Savannah River Remediation**
Liquid Waste Operations

**Parsons**
Salt Waste Processing Facility (SWPF)

**CENTERRA**
Site Security

**Savannah River Nuclear Solutions (SRNS) (M&O)**
- NNSA Activities
- SRNL
- EM Cleanup Activities (Excluding Liquid Waste)
- Landlord Services

**University of GA**
Savannah River Ecology Lab

**Ameresco**
Biomass Construction & Operations

**CBI Areva MOX Services**
MOX Construction

**Key**
- Federal Agency
- Contractor

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1. National Nuclear Security Administration
2. Savannah River Site
3. SRS Organization Alignment

4. DOE – EM
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- Federal Agency
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Tritium Programs’ Stockpile Missions

- **Nuclear Stockpile Maintenance Mission**
  - Reservoir reclamation
  - Reservoir loading / finishing
  - Packaging / shipping

- **Nuclear Stockpile Evaluation Mission**
  - Environmental conditioning
  - Function testing
  - Post-function test evaluation

- **Tritium Supply Mission**
  - Tritium extraction
  - Reservoir unloading / recycle

- **He-3 Recovery**

- **Tritium GTS and Process R&D**
SRS Tritium Facilities - Mix of Cold War Legacy and Modern

- Inactive Cold War-Legacy Facility
- Active Cold War-Legacy Facility
- Modern/Enduring Facility
- Process Facility
- Mission Dependent Facility
- Deactivated Facility/Structure
**Proposed Plan**

- Right-size operations
- Relocate into modern facilities
- Eliminate reservoir reclamation
- Centralize control of operations

**Benefits**

- Reduced deferred maintenance (55%)
- Reduced Haz Cat 2/3 facilities (38%)
- Reduced mission critical footprint (44%)
- Reduced energy usage (43%)
- Reduced annual costs (12%)
- Reduced mission risk (68%)

*All figures relative to FY10 baseline*
### Budget Profiles

<table>
<thead>
<tr>
<th>NNSA Budget ($ Millions) By Program Office</th>
<th>FY 2015 Enacted</th>
<th>FY 2016 Enacted</th>
<th>FY 2017 President Request</th>
<th>Delta FY Request</th>
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<td>Weapon Activities</td>
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<td>Mixed Oxide Fuel Fabrication Facility (MOX)</td>
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<td>Defense Nuclear Nonproliferation (DNN)</td>
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<td>Federal Expenses</td>
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<td>5.4</td>
<td>.2</td>
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<td><strong>Total Budget for NNSA at SRS</strong></td>
<td><strong>662.7</strong></td>
<td><strong>637.2</strong></td>
<td><strong>618.4</strong></td>
<td><strong>(18.8)</strong></td>
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Defense Programs FY15 Accomplishments

- SRTE fulfilled its vital missions while achieving significant cost & productivity savings, continuously increasing product quality, and maintaining an exemplary safety record
- Initiated the Strategic Investment Process to improve risk program and system health reporting process, this ensures that facility needs are identified, evaluated, managed, and communicated to decision makers
- Achieved Critical Decision 0 (Mission Need) approval for Tritium Production Capability (TPC) program, for a line item project (possible start in FY18)
- Initiated ARGUS installation for the Central Alarm System within the Tritium compound
Defense Programs FY16 Priorities

• Maintain and improve safety and security performance while meeting mission requirements

• Support Critical Decision 1 (Conceptual Design and estimate) by completing an Analysis of Alternatives (AoA) and down select for the Tritium Production Capability (TPC) project

• Complete phase 1 installation of ARGUS in the Tritium Central Alarm Station security improvements

• Execute GPP/CE/Operating projects in order to sustain production infrastructure and reduce mission risk

• Accelerate the hiring, training and qualifying of new employees to sustain work force levels to meet mission deliverables