# SRS Aligning Mission Needs and Aging Infrastructure

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Savannah River Site















# **SRS Infrastructure Snapshot**



2300 Assets - 35% of the EM Complex Total!



# **SRS Infrastructure Snapshot** (cont'd)

11,000 Workforce





WATER WATER

2 Million Gallons/day

1500

58 Miles

Gallons/day Fire Hydrants



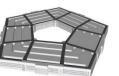


Sanitary Waste

8 Million

Square Fee

Facility Space



More than the Pentagon!

310 sq miles of land area

Larger than the DC Beltway 33 Miles RR Track



180 Miles Electric Distribution 119 MILES
PAVED ROADS

Distance from Washington to Philadelphia

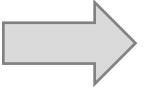
37 Million
Gallons
RAD Waste in
45 Tanks

20 Miles Steam Lines

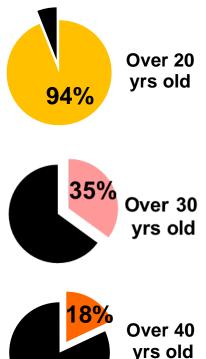


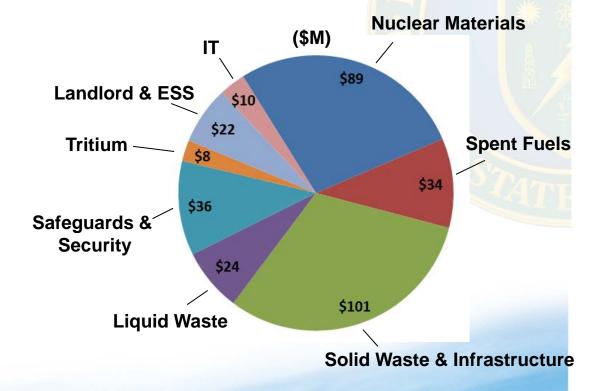
## **SRS Infrastructure Challenge**

# Aging and Worn Infrastructure



# \$324M\* Recapitalization Needed (Across All Programs)







# Infrastructure, Funding, and Priorities

- Infrastructure
  - Mission Specific
  - General
- Funding
  - Program
  - Indirect

#### **Directs**

Project Baseline Summary (PBS)

#### Indirects

Essential Site Services (ESS)
General and Administrative (G&A)
Land Lord Services (LLS)

#### H-Canyon



**River Water Pump House** 

- Balancing Priorities
  - Tactical Mission Accomplishment
  - Strategic Infrastructure Viability



DWPF Canisters

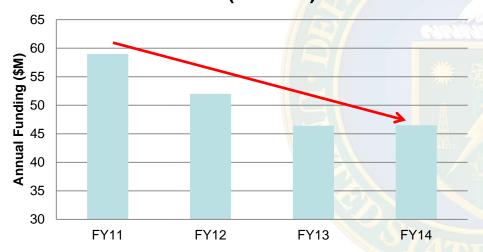
SRS C-Road



### **General Infrastructure Decay**

- Aged facilities (60+ years old)
- Old run to failure philosophy
- Limited funding sources
- "Stop Gap" Maintenance
- Sustainable approach challenge

# SRS General Infrastructure Funding Profile (FY11-14)





H-Area Switch Gear Roof



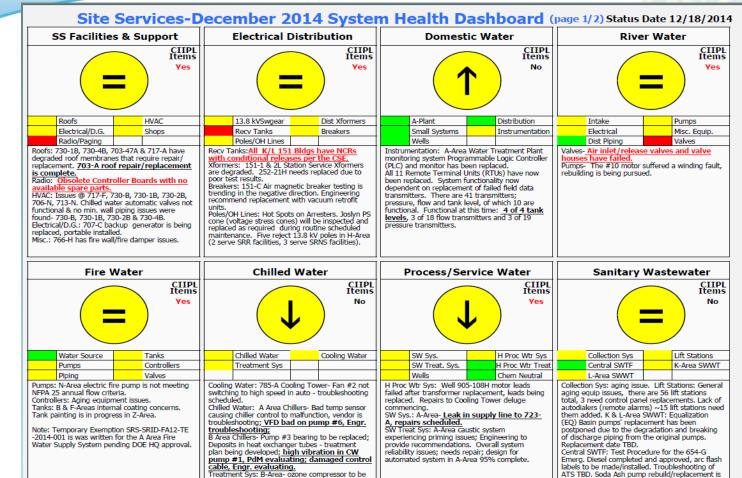
**Electrical Breaker Worn Worm Gear** 



**C-Road Drain Failure** 



### Infrastructure - System Health Results



being pursued.

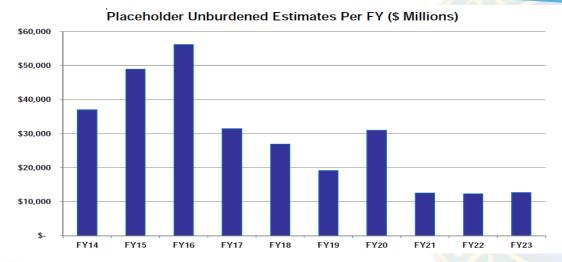
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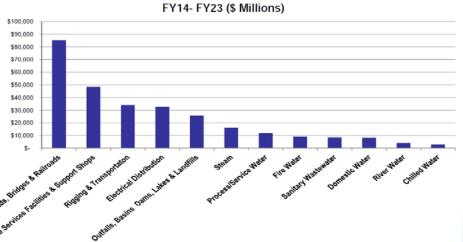


# Increasing Cost ~\$300M



**A-Area Pole Transformers** 



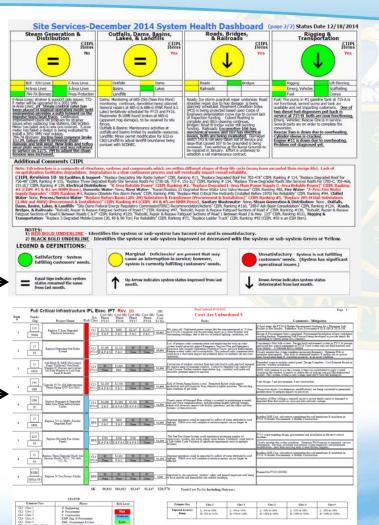


**Sanitary Sewer Lift Station Control Box** 



#### **Identification and Prioritization Tools**

- Condition Assessment Information System and Facility Information Management System (FIMS)
- Ten Year Site Plans and Integrated Facilities and Infrastructure-Crosscut
- SRS: System Health Reports and Dashboard
- SRS: Critical Infrastructure Integrated Priority List (CIIPL)
  - > Unfunded Project Priority List
  - Integrated Program and General
  - Increased use for funding decisions





# Infrastructure - Strategic Outlook

- Moving to Change General Infrastructure Paradigm
  - > EM Mission Extending
  - > Enduring NNSA Mission
- Partnerships / Teamwork Site, HQs, Tenants, Contractors
  - ➤ Infrastructure Vision Evolving Recognition of the Risk
  - ➤ Infrastructure Alignment and Right Sizing Process
  - > Consistent approach with Lab Operations Board (LOB) efforts

#### Future

- ➤ Investments for infrastructure right-sizing, alignment, and D&D.
- > Investments for Recapitalization
- Innovative Solutions Third Party Financing