

SR Environmental Management Certified Baseline

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Citizen's Advisory Board
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EM Environmental Management
safety ♦ performance ♦ cleanup ♦ closure

Acronyms

D&D	Decontamination & Decommissioning
DOE	Department of Energy
EM	Environmental Management
FY	Fiscal Year
FFA	Federal Facility Agreement
LLW	Low Level Waste
MOX	Mixed Oxide
PBS	Project Baseline Summary
ROI	Return on Investment
SR	Department of Energy-Savannah River Operations Office
SRNL	Savannah River National Laboratory
SRS	Savannah River Site
SNF	Spent Nuclear Fuel
SWPF	Salt Waste Processing Facility
TRU	Transuranic Waste



Solving Today's Challenges, Clearing the Way for Tomorrow's Missions

Where We Started



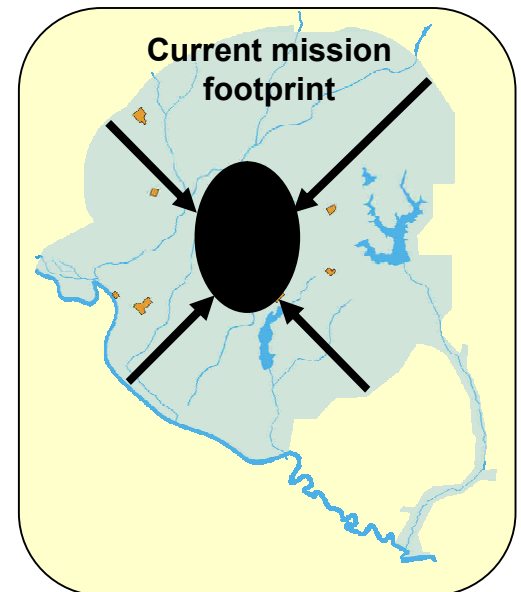
Ongoing Missions



Other ongoing missions

- National defense
- Nuclear nonproliferation
- Homeland security
- Energy independence

The Future

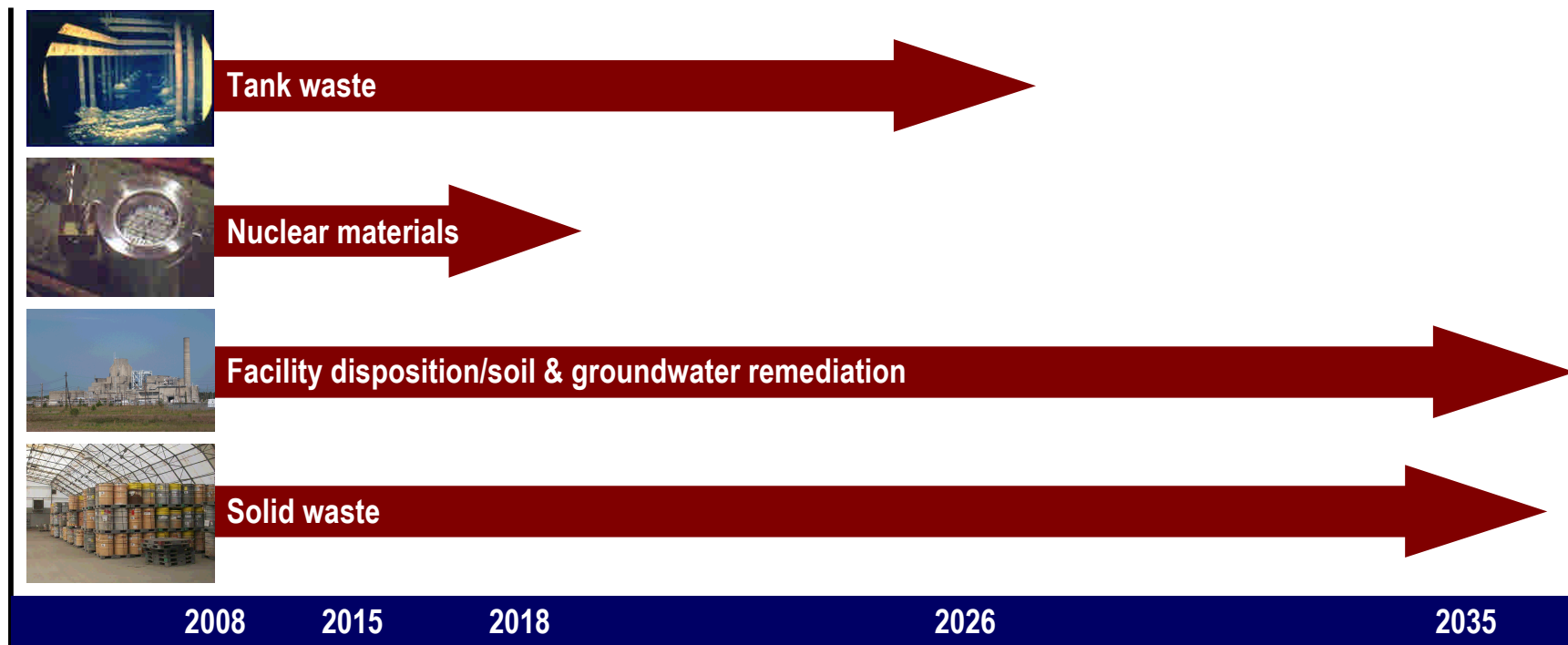


What is the Certified Baseline?

- SR EM Baseline =
 - The work to complete clean up,
 - Scheduled (sequenced through time),
 - With a detailed cost estimate
 - With defined assumptions, and
 - Accounting for uncertainties.
- Certification validated the processes SR EM uses to establish estimates and schedules for the work planned (scope).
- Provides an accepted planning tool that is a point of departure for changes and optimization.
- Establishes Credibility with Congress



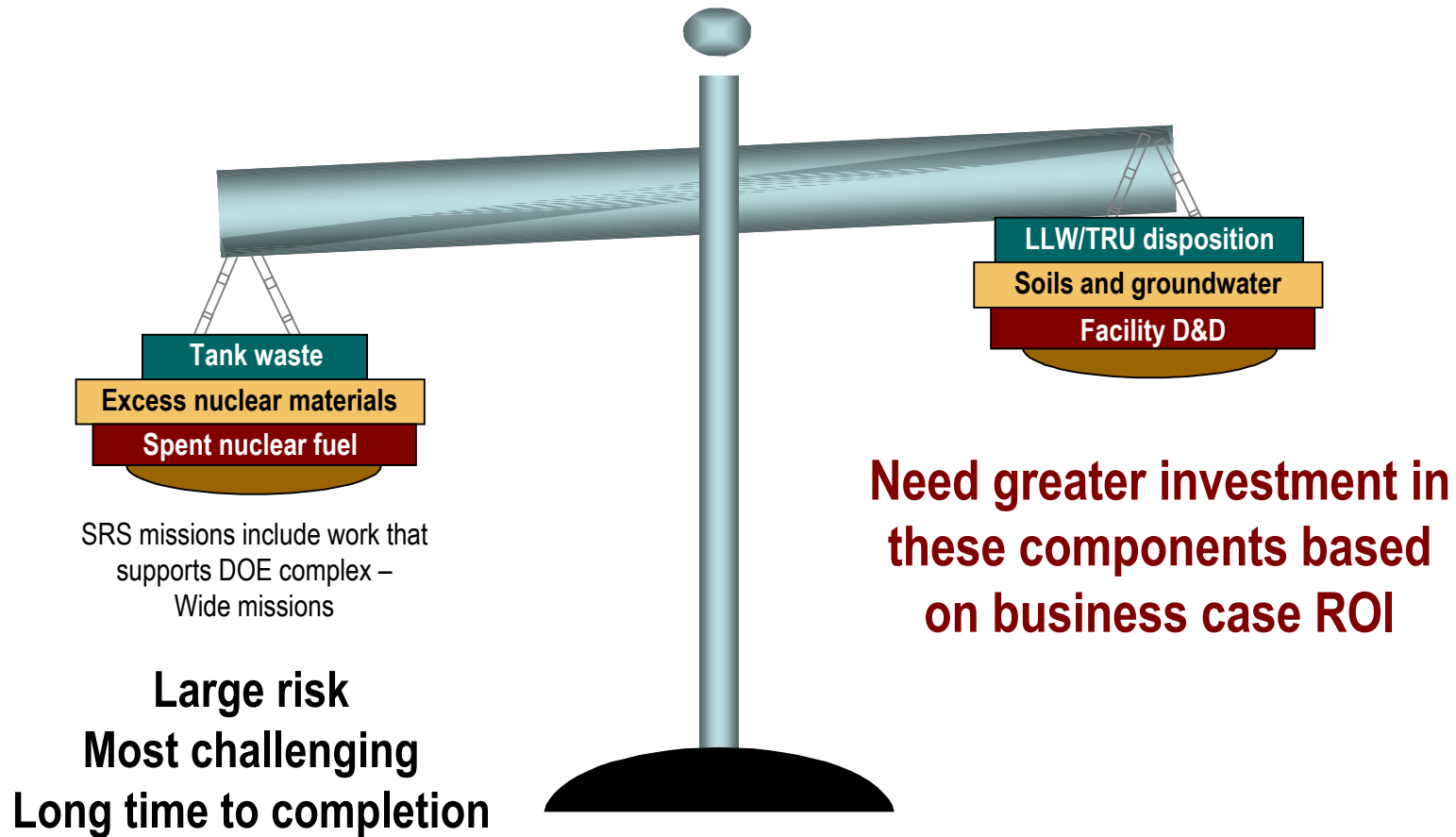
SRS EM Mission Baseline



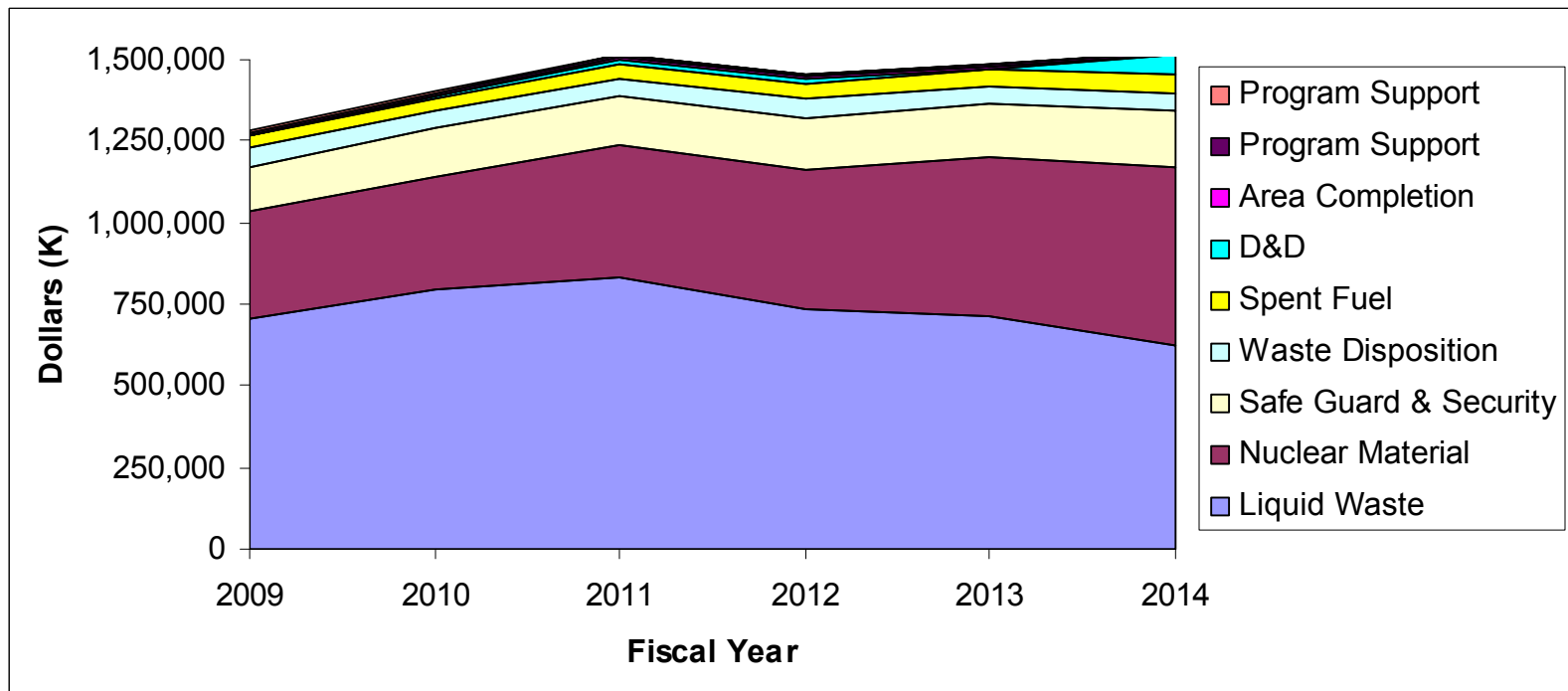
- **Priority: High risk (tank waste, nuclear materials)**
 - Long-term processing solutions in place
 - Benefits to other sites
- **Facilities, soil, groundwater (Area Completion): Constrained by funding**
- **TRU Waste Disposal: Constrained by funding**
- **Making significant progress**
 - opportunities for more near-term progress



Balancing Cleanup Program Priorities



SRS Certified Baseline



	2008	2009	2010	2011	2012	2013	2014
CBL	1,316,824	1,281,360	1,400,000	1,517,668	1,458,039	1,487,882	1,526,247



Current Plan

- Scope and Priorities have not changed
- Making early progress while we continue to focus on the large high risk components (the hard things)
- Realigned funds and found efficiencies to maximize progress in FY2008
- Realigning funds and expecting higher funding in FY 2009 to maintain progress.

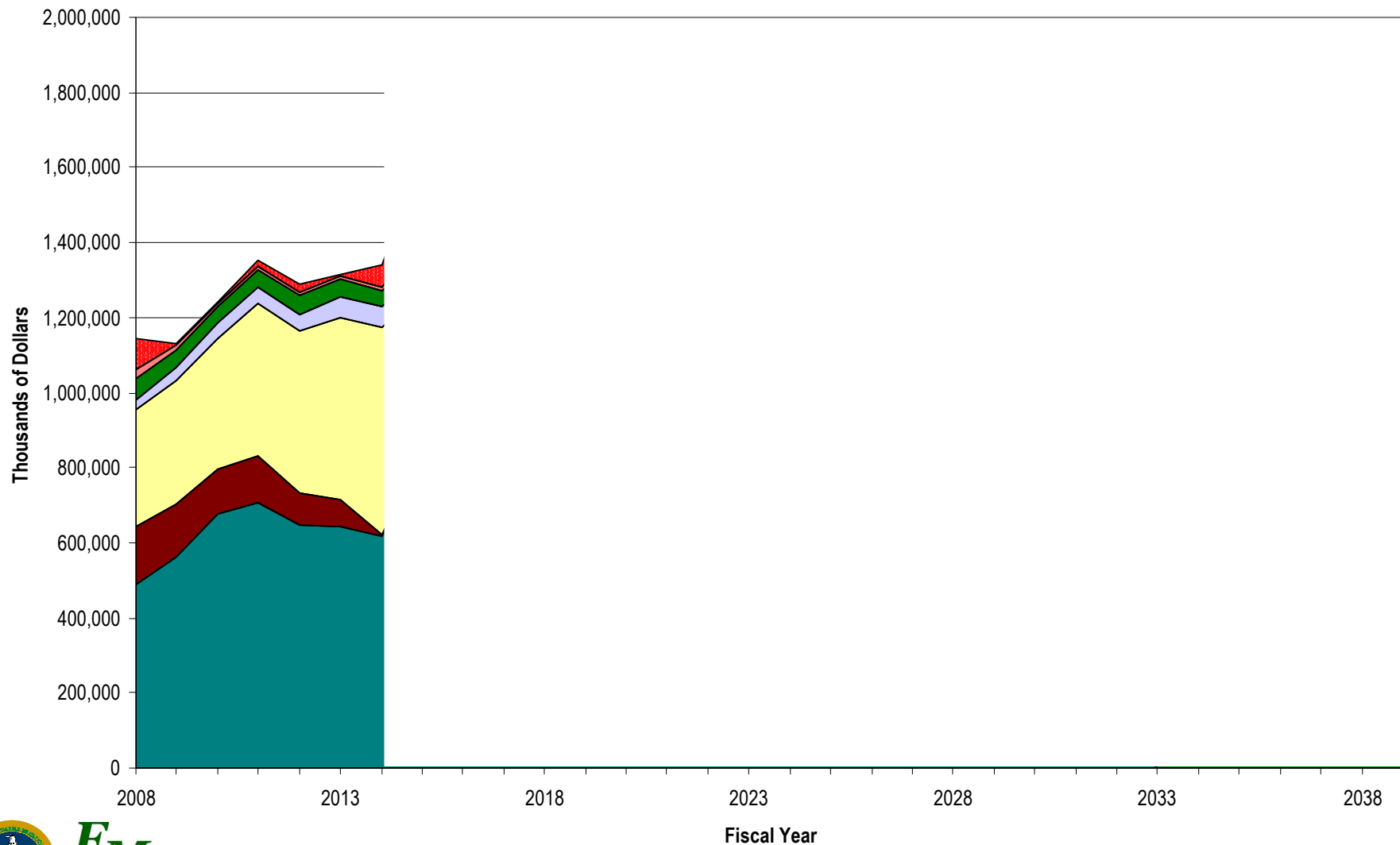


The Challenge Ahead

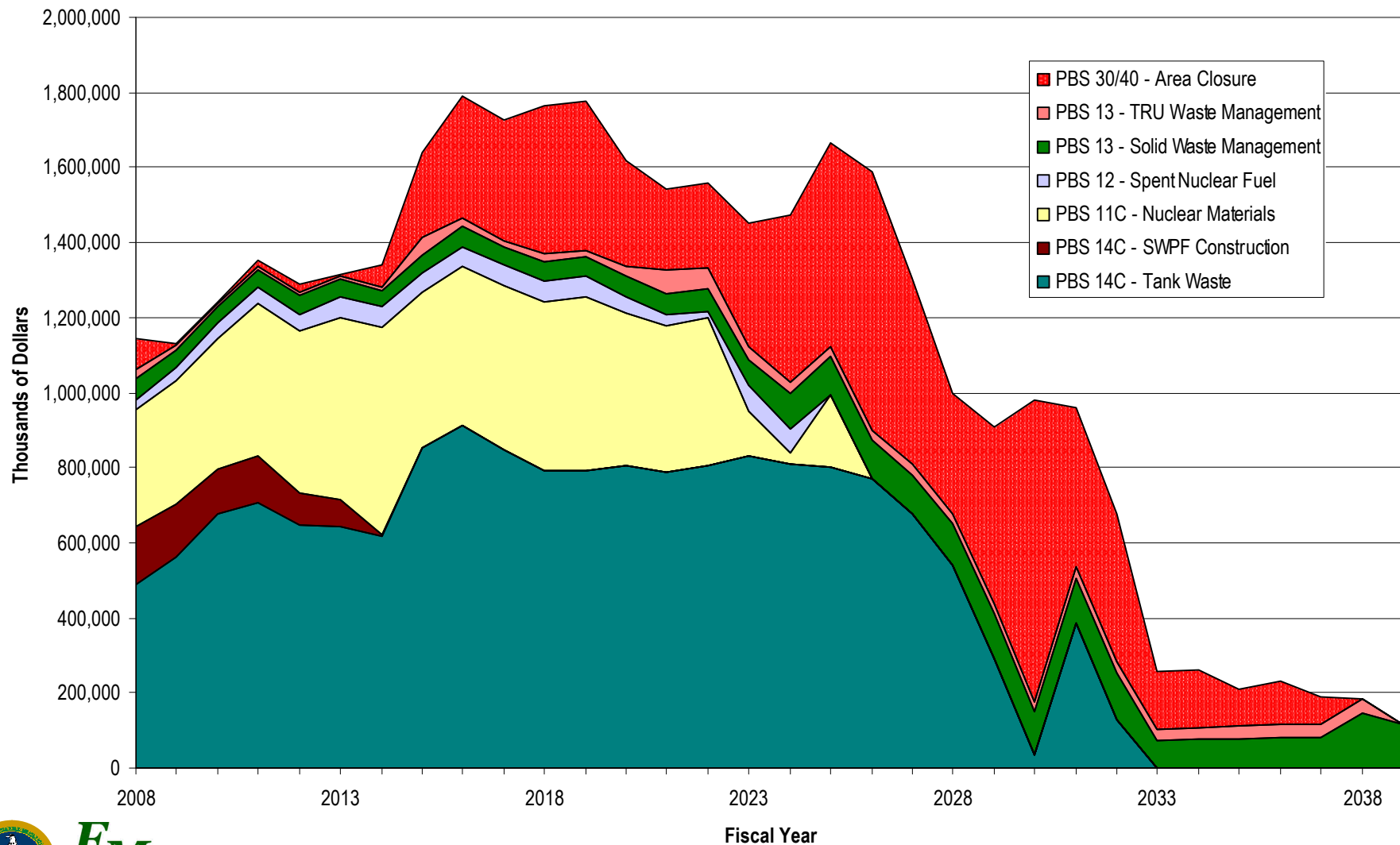
- Efficiencies will not be enough to maintain recent progress thru FY 2010.
- Additional investment needed to deliver near term progress and maintain momentum.
- Have a solid business cases for investment based on progress and credibility that delivers strong ROI.
 - Meet commitments
 - Reduce lifecycle cost
 - Reduce lifecycle schedule
 - Clear the way for future missions at SRS



PEP 08 EM Life Cycle Baseline



PEP 08 EM Life Cycle Baseline



SRS Business Case: Area Completion

- Investment in sound business practices, yielding near-term progress and strong ROI

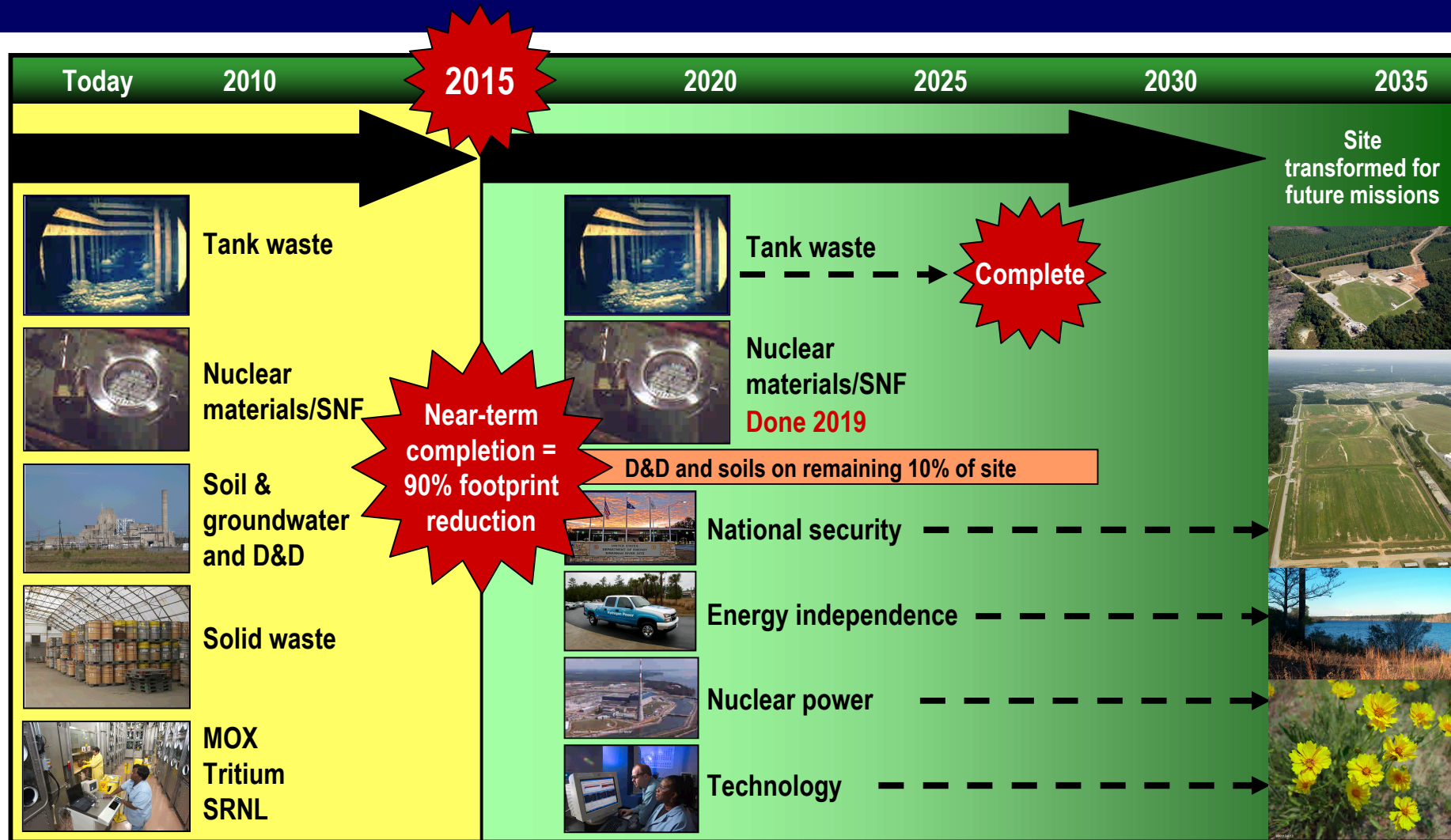
Credible baseline + reliable execution = investment confidence!

Business Case	Additional Investment thru 2015	Return on Investment
Baseline		Complete M area – Delays FFA milestones
Case 1	~\$100M per year	Complete 65% of site by 2015 FFA Compliant Saves \$ 1.5B, completes mission 4 yrs early
Case 2	~\$200M per year	Complete 90% of site by 2015 FFA Compliant Saves \$ 4B, completes mission 7 years early



Savannah River Site Transformation

Based on Investments in Sound Business Practices



SRS Business Case

- Investment in sound business practices, yielding near-term progress and strong ROI

“Credible baseline + reliable execution = investment confidence”

Additional investment	
\$66	2010
\$106	2011
\$126	2012

Return on Investment for Area Completion and footprint reduction

- \$1B-2B potential avoidance of lifecycle cost; \$300M avoidance of long-term S&M
- 90% footprint reduction by 2015 (6-15 years earlier)
- Establish precedent for in-place reactor closure
- Legacy TRU off-site by 2014

- Reinvest in optimization of large risk reduction efforts with long-term ROI
 - Invest in modular augmentations that deliver near-term results and reduce life cycle costs



Summary

- The Certification of the SRS EM Baseline confirmed our solid foundation and credible planning process.
- The Baseline is aligned with our shared priorities.
- We are performing well on the toughest challenges and using efficiencies, innovation and good working relations with the regulators to maintain momentum.
- Addition investment will deliver significant near term progress
 - We have a strong business case (ROI for Taxpayers), and the credibility to deliver based on our performance.

Solving today's challenges and clearing the way for the future

