



Savannah River
Nuclear Solutions, LLC
A Fluor Daniel PartnershipSM

SRS Update

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President and CEO

Savannah River Nuclear Solutions, LLC

Savannah River Site Citizens Advisory Board

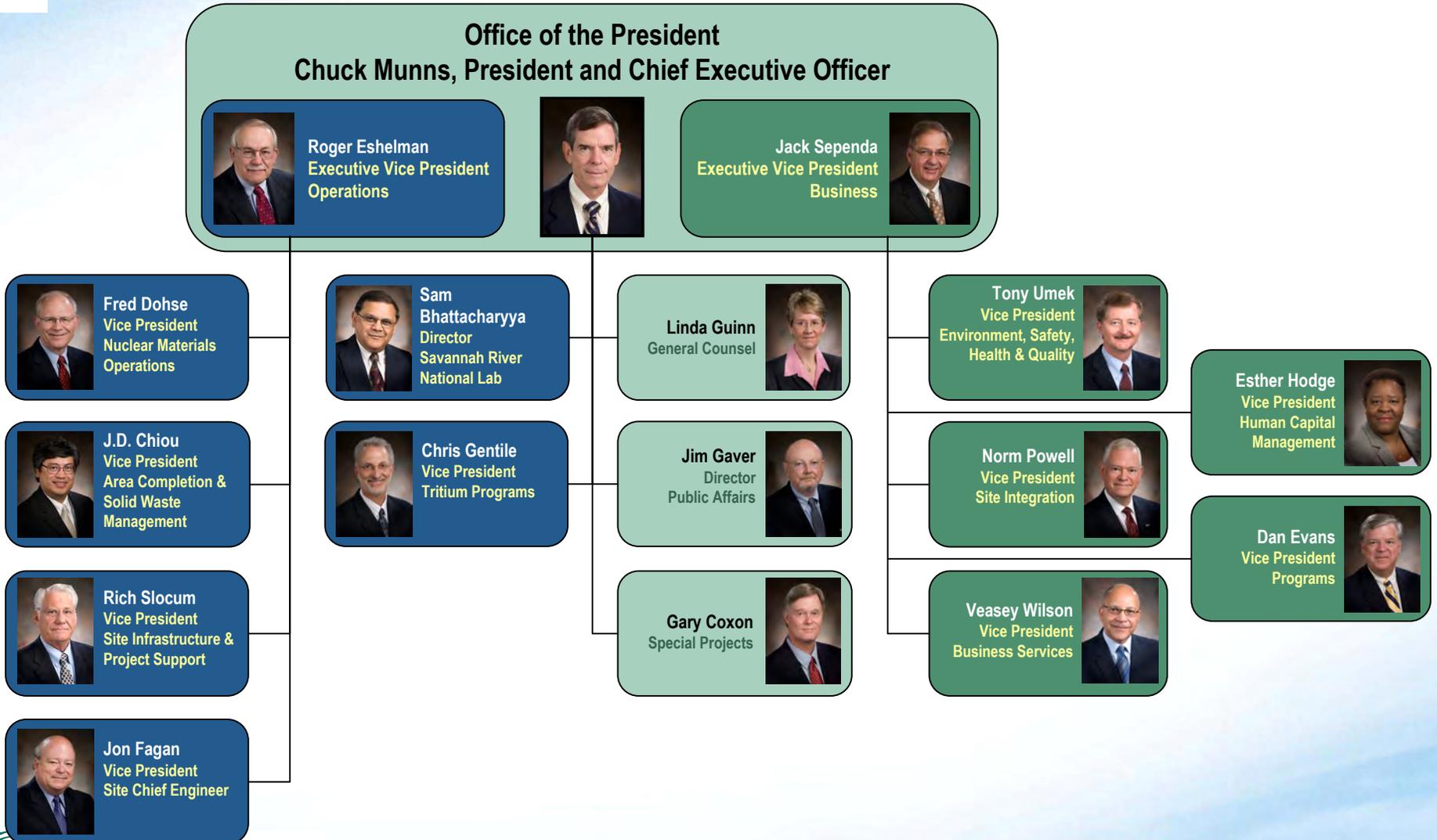
March 24, 2009

Who We Are

The right team at the right time

- **Over 6,000 employees**
- **The right mix of leadership**
 - 32 from SRNS parent companies
 - 51 from incumbent SRS team
 - 42 new hires
- **Three parent companies**
 - Fluor Daniel
 - Northrop Grumman
 - Honeywell
- **Two preselected subcontractors**
 - Lockheed Martin
 - Nuclear Fuel Services

Savannah River Nuclear Solutions, LLC Organization



Savannah River Site

EM Baseline

- Receive, process, store, ship nuclear materials
- Footprint reduction for reuse
- Environmental cleanup

Size: 2,820

Recovery & Reinvestment

- Jobs
- Visibility
- Auditable
- Cleanup & investment in future

Size ???

Nuclear Weapons

- Tritium processing & shipping
- Tritium R&D

Size: 1,260

SRNL

- Chemistry
- Modeling
- Sensors
- Robotics
- Remediation

Size: 920

Projects

- WSB
- PDCF
- Power plants
- Renewable

Size: 95

Liquid Waste

885 SRNS employees support

Safe, secure work environment
Best in Complex and industry

6,000 talented managers and workers Culture of nuclear materials ♦ Experienced/aging	2,000 talented workers
DOE M&O contract	Liquid Waste contract
Procedures More procedures than process	
Facilities Old, but effective	
Public and Congressional support Crown jewel	
Geography and geology	



Savannah River Site Management & Operations

Rigor ♦ Renewal ♦ Results

Transition

- ✓ Knowledge
- ✓ Relationships
- ✓ Workforce
- ✓ Due diligence
- ✓ Move in

Conduct of Operations

Safe, effective

- ✓ Safety – best quarter ever
- ✓ Process improvements
- ✓ Radiological excellence
- ✓ Security assessment all “green”

Projects

Grow, sustain

- ✓ Biomass powerhouse
- ✓ Waste solidification (PDCF)
- ✓ SRNL – FBI/Homeland Security/EM

- Resolve fiscal challenges
- Restructure workforce
- Pension health

Conduct of Business

Stable, efficient

- ✓ 2009 baseline
- ✓ Project management
- ✓ Cyber security
- ✓ FY10-FY15 baseline
- ✓ Site interface management
- ✓ Earned Value Management System

Transform Business Model

Task-based, assessment driven

- Current state assessment

- Execution plan
- “War” room
- Parent support

Recovery & Reinvestment

- Job creation
- Public visibility
- Footprint reduction
- Transparent

Sustainability

Energy projects

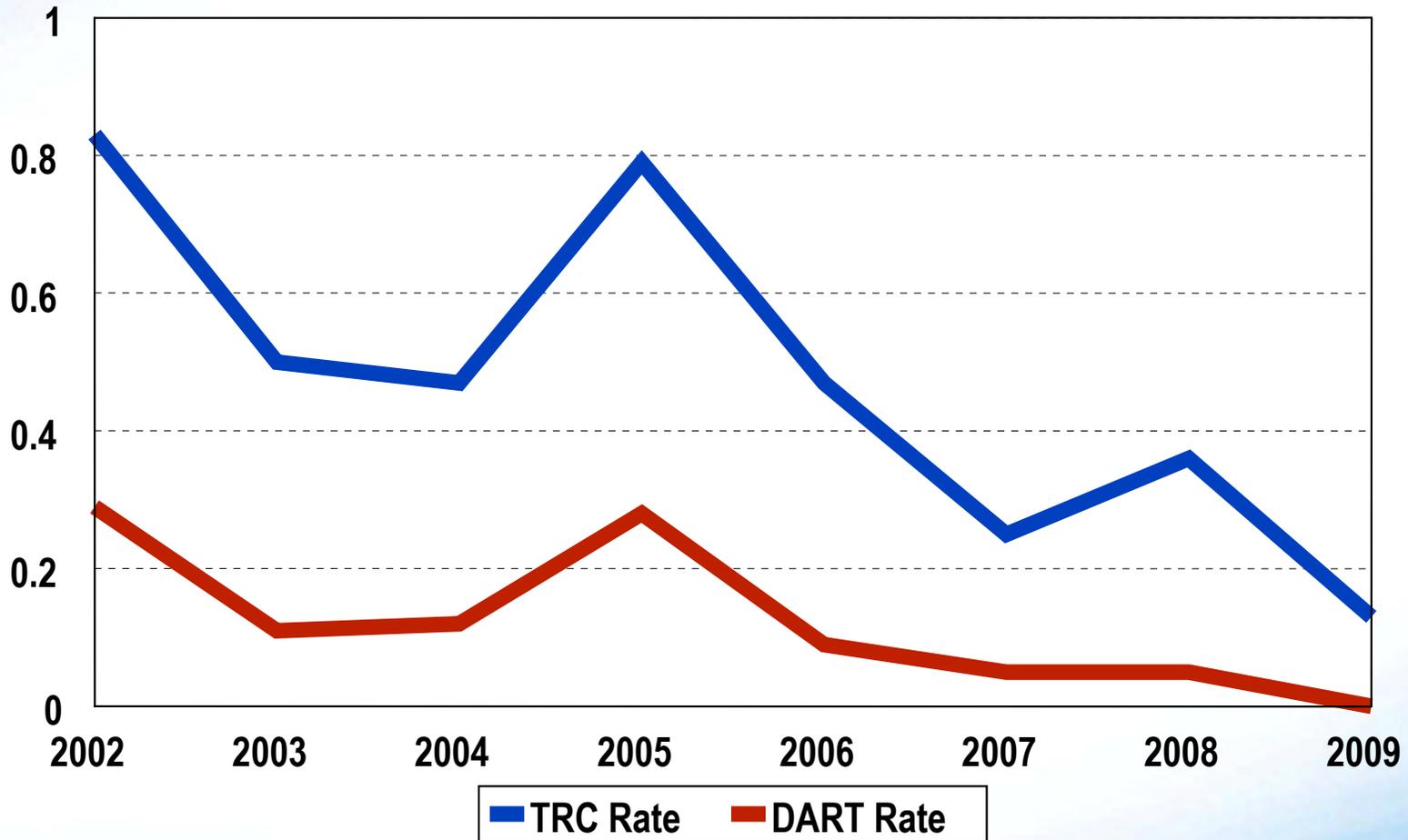
Community & Stakeholder Engagement

- SRNS investment (money and time)
- Parent involvement
- DNFSB, regulator, CAB engagement



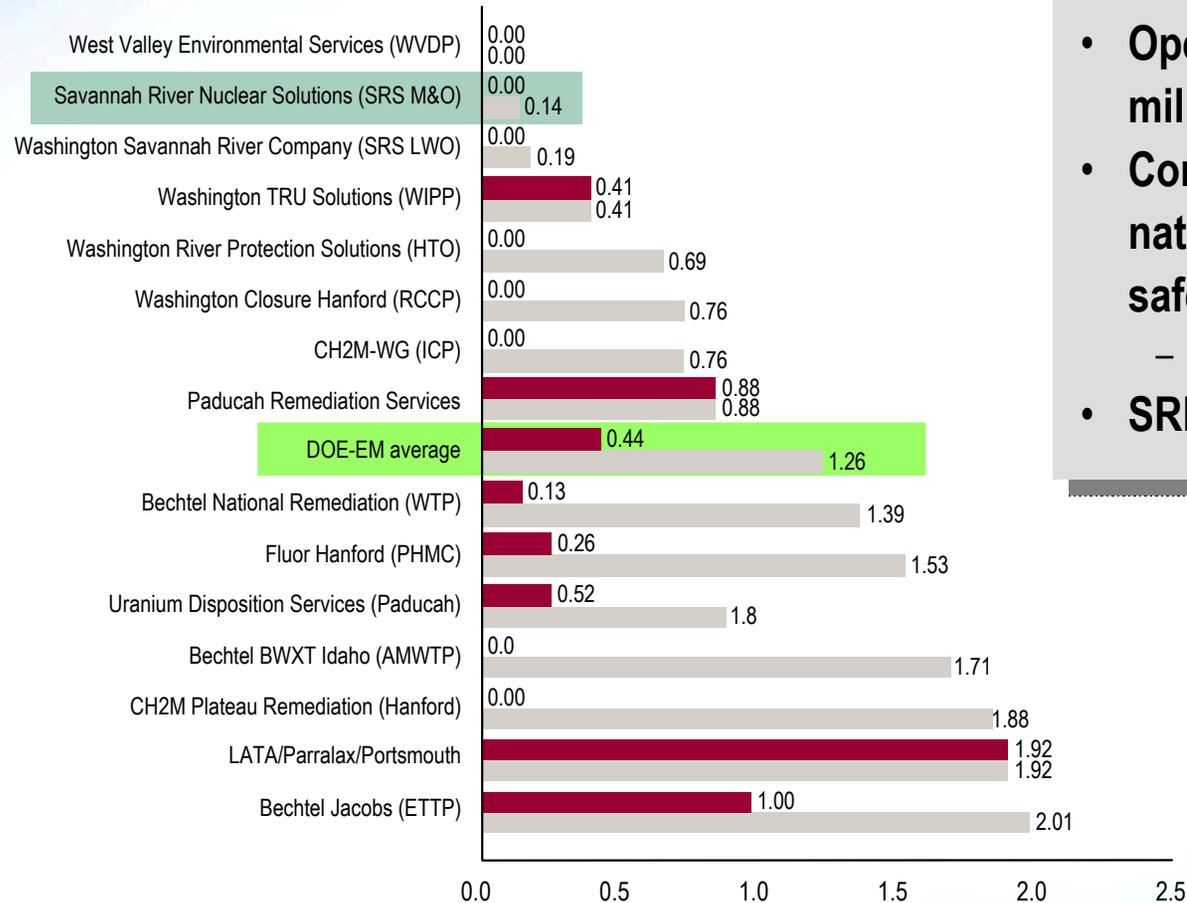
SRS Operations Safety Performance – Best on Record

FY 1st quarter safety performance, 2002-2009



DOE Prime Contractor Safety Ranking

First quarter FY09



- Operations has worked 10 million safe hours 11 times
- Construction stands at a national record of 21 million safe hours and counting
 - Last lost workday: June 1998
- SRNL is DOE's safest lab

■ DART Rate
■ TRC Rate
 Cases per 200,000 hours

Our First Eight Months

Building the future; using the best from the past and the present

- Implemented “Zero Incidents” program, focusing on broad scope of ESH/Q
- Reinforced and improved existing relationships with regulators and stakeholders
- Assumed responsibility for new scopes – smooth transition
- Scored high in DOE assessment of safeguards and security program
- DOE audit of radiological lab produced no findings – “first time,” per lead auditor
- No environmental non-compliances



An audit of the radiological laboratory produced no findings



L Lake, one of SRS's former cooling lakes, now teems with fish, waterfowl, and other native wildlife



Operational Achievements

- **Final shipment of F Canyon legacy waste that had been stored in R Area was transported to the Nevada Test Site (NTS)**
- **Safety milestones**
 - 17 years in the L Area Complex without a lost time injury
 - 11 years in the K Area Complex and in Area Completion Projects
 - 22 million hours (over 10 years) in Construction
- **Offsite receipts of plutonium (Pu) and uranium (U) continue ahead of schedule**
 - Future stabilization and disposition in MOX and H Canyon
- **Neptunium stabilization completed**
- **Broke ground for new Waste Solidification Building**
- **Completed final three shipments of low-enriched uranium from H Canyon to Tennessee Valley Authority**

SRS Footprint Reduction Initiative



Put Into Perspective. . .

4,500 cubic meters
transuranic waste
disposed or staged



440 garbage
truck loads

16,000 drums depleted
uranium oxide disposed



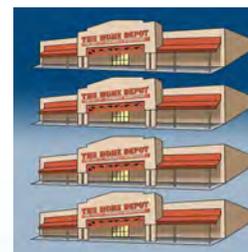
Stack of drums
8.5 miles high

54 waste units
remediated



An area the size of 380
football fields end-to-end
26 miles, the distance of
the Boston marathon

Decommissioning of
two reactors, including
the use of 260,000
cubic yards of grout



Grout would fill a loaded
train with 1,900 cars, or
four average-sized Home
Depot stores



Transformation to Future Successes

Key principles

- **Transparency and personal accountability**
- **Assured long-term workforce competency**
- **Timely, efficient execution of business and operational responsibilities**
- **Continuous improvement potential**



A dedicated War Room has been established and fully staffed for the transformation initiative

Timeframe: 2-3 years



Where We Are Headed

Executive Team focus

1. Safe, effective operations

- Conduct of operations
- Radiological controls
- Nuclear criticality safety organization

2. Efficient operations and transformed business

- Continuous improvement
- Baseline and EVMS
- Rate structure
- Program and risk management
- Workforce management
- Other efficiency projects

3. Recovery Act

4. Grow and mature Savannah River National Laboratory

5. Human Capital Program

- Plan for the future
- Balanced and matched skills mix
- Capture “culture of nuclear materials”

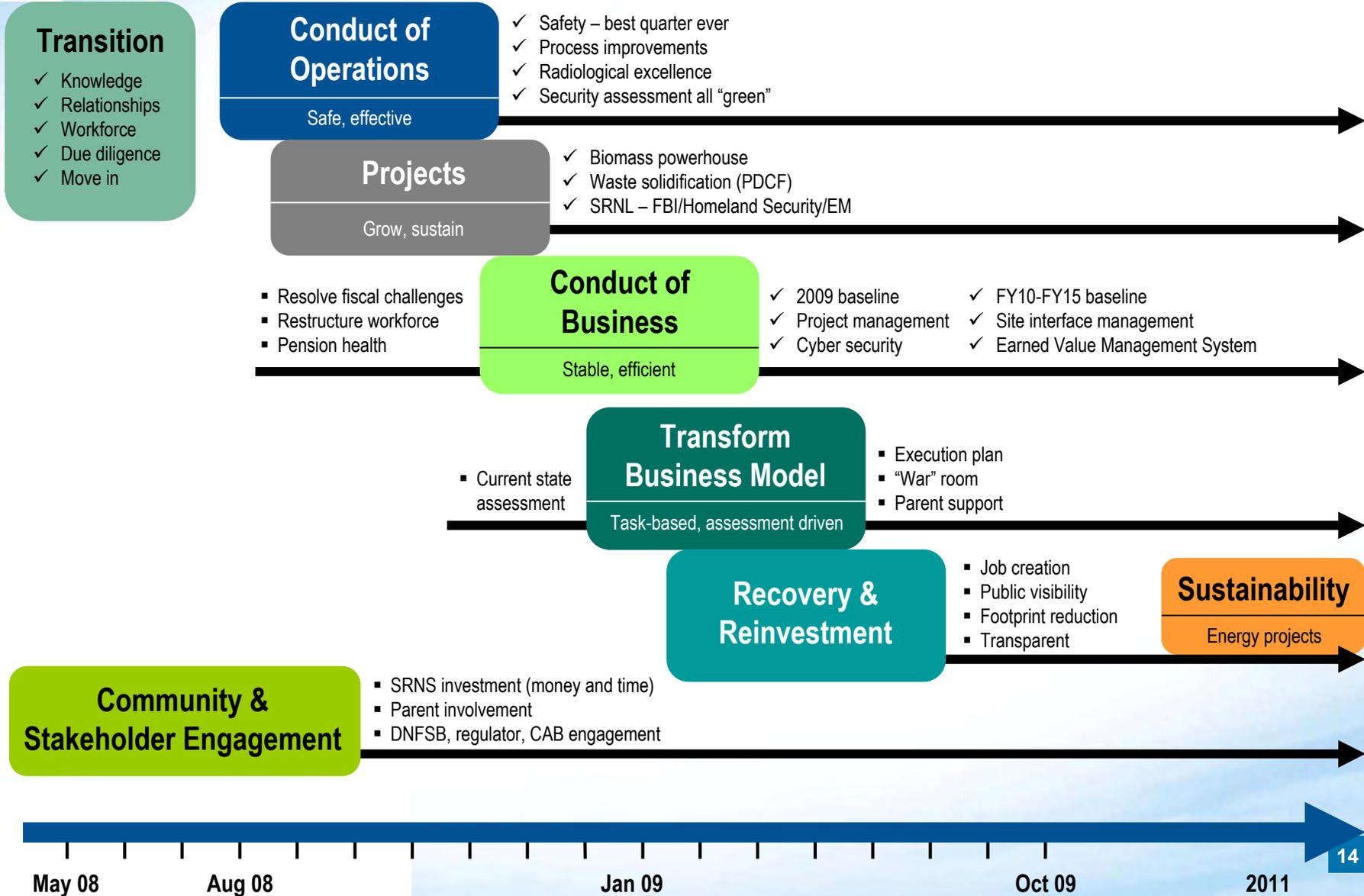
6. Site Future/Missions

7. Community relationships



Savannah River Site Management & Operations

Rigor ♦ Renewal ♦ Results



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Any questions?



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Back - Ups

- **Back-ups**



Transformation Process

