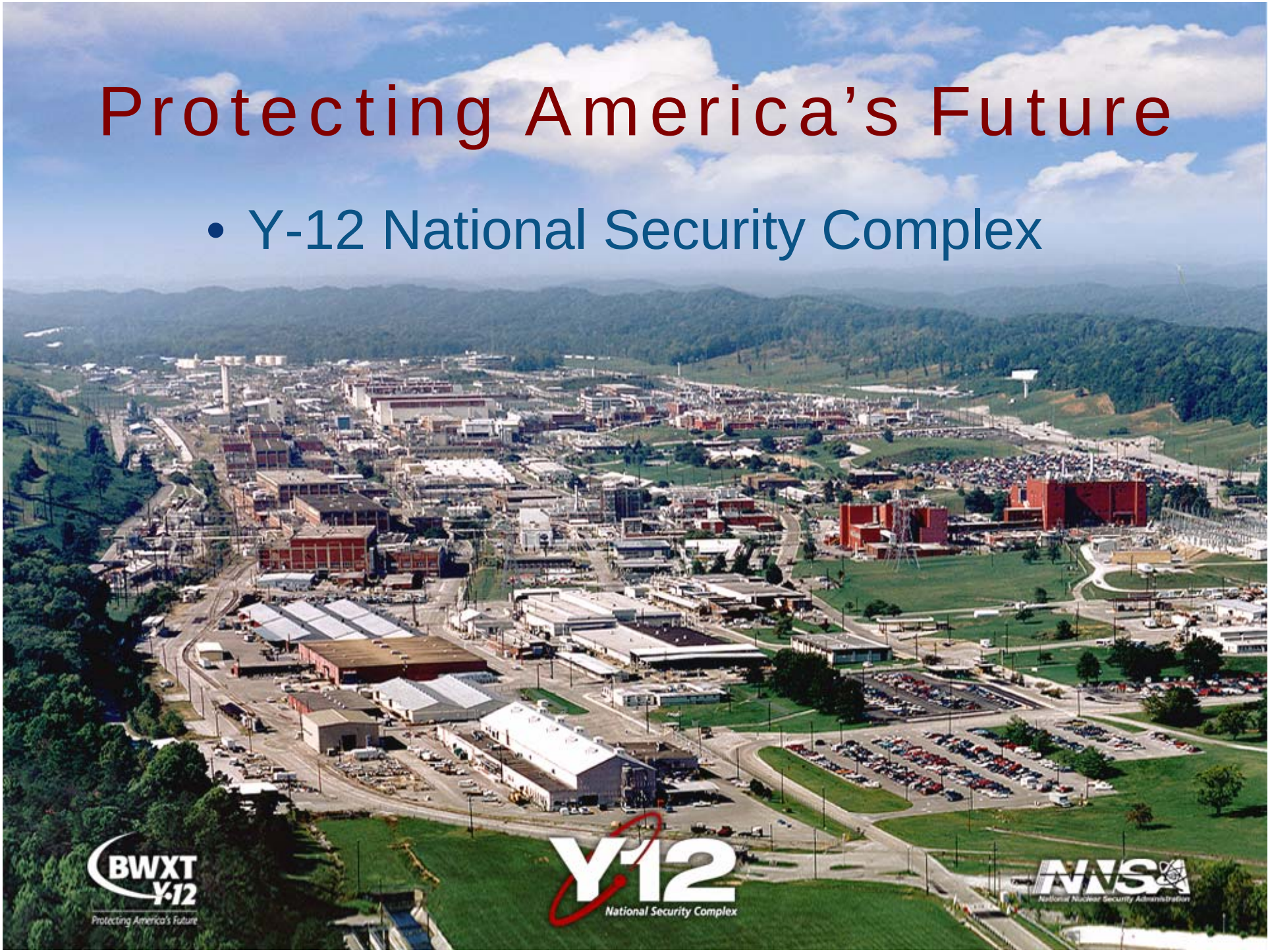
Protecting America's Future

- Y-12 National Security Complex

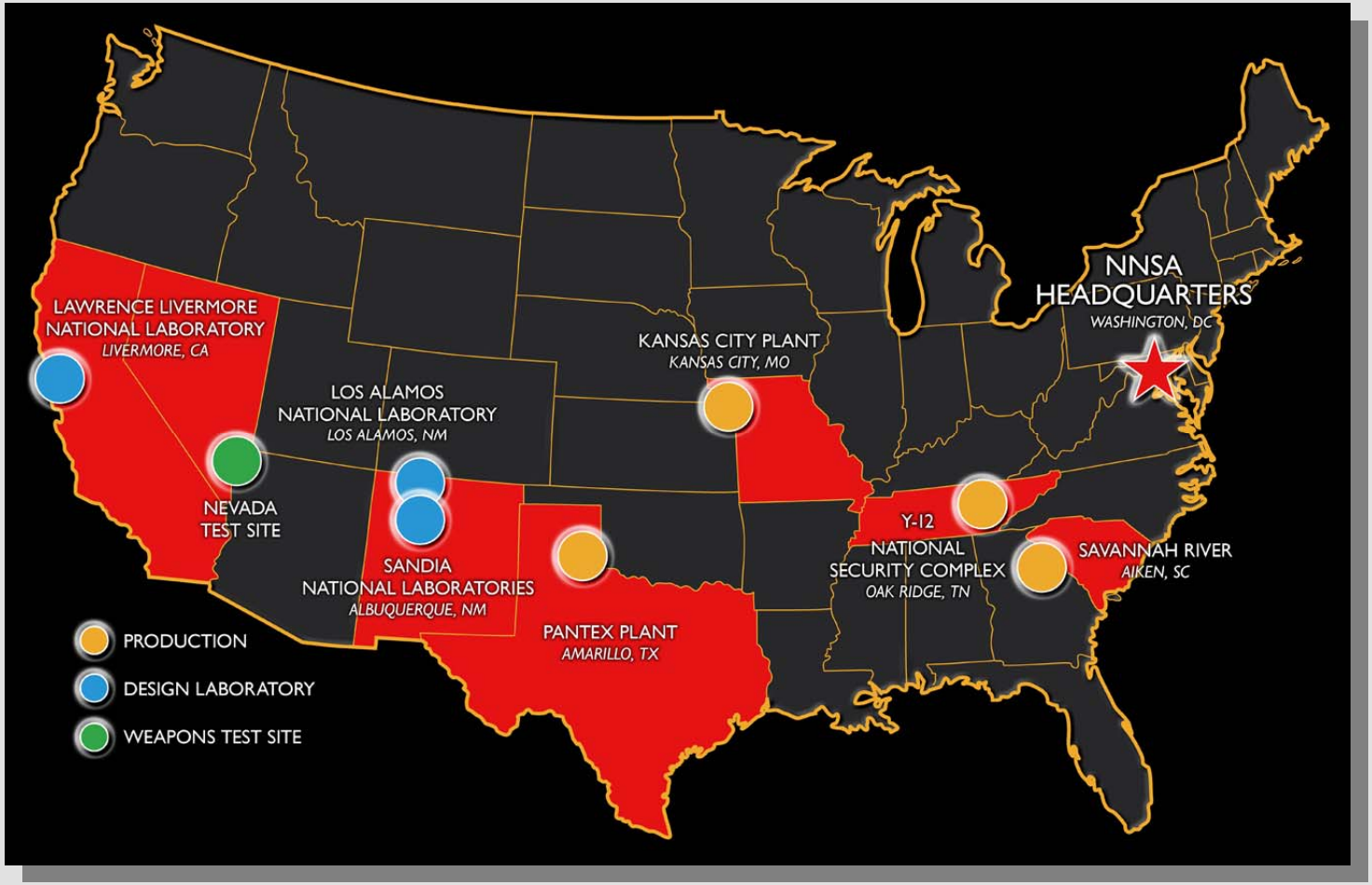


National Nuclear Security Administration

- Semi-autonomous unit of the Department of Energy (DOE)
- Created in 1999
- Oversees the operations of the U.S. Nuclear Weapons Complex
- Mission includes Defense Programs, Nuclear Nonproliferation and Naval Reactors program

National Nuclear Security Administration

- Four production facilities and three design labs

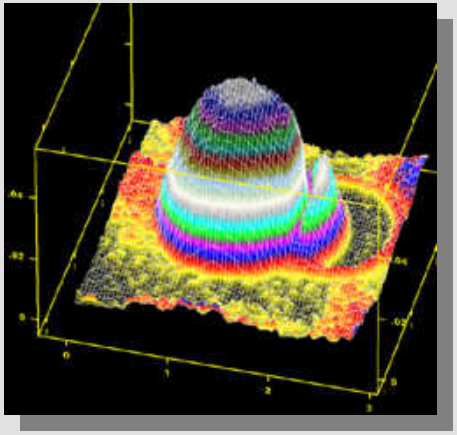


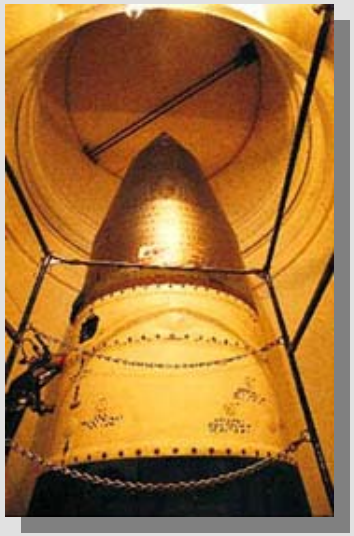
NNSA Organization

- Administrator reports directly to Energy Secretary
- Y-12 Site Manager reports directly to NNSA HQ
- YSO staff performs contract management, assessment & evaluation of BWXT Y-12 and Wackenhut

Y-12's Missions Today

- Ensure stockpile safety and reliability
- Respond to stockpile issues with modernized production capabilities
- Safeguard and secure strategic materials
- Support nonproliferation activities
- Work for other federal agencies and technology transfer





Y-12's Recent Successes

Y-12 Future

Modernization:

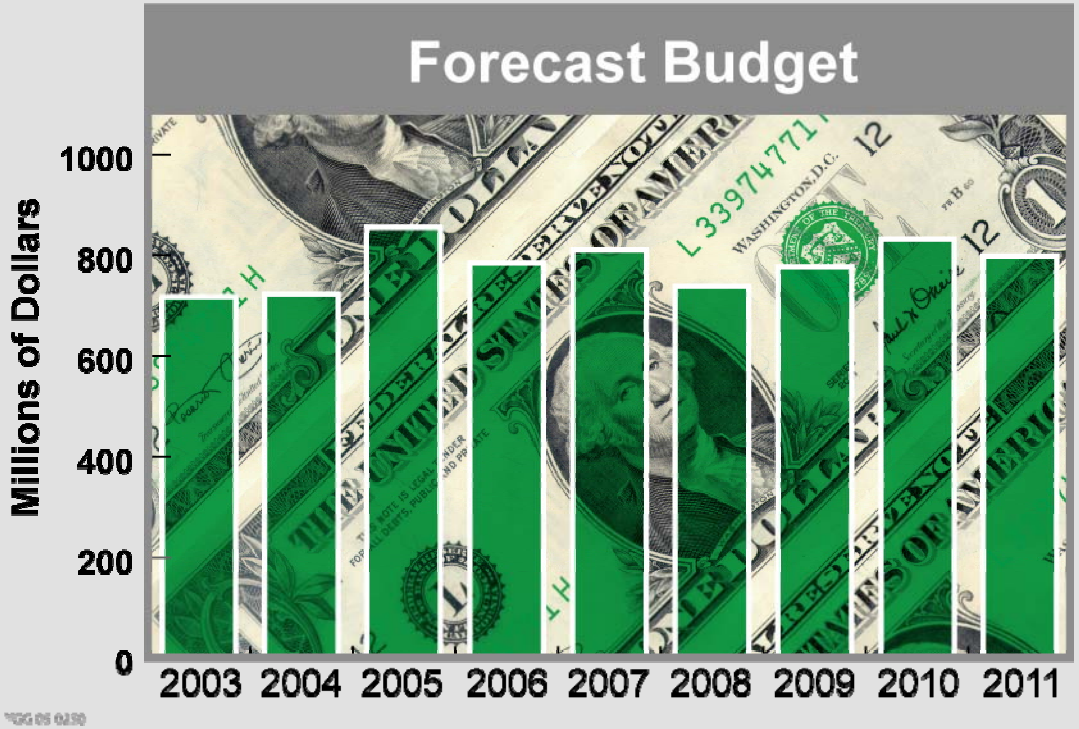
- New Production Facilities
- Infrastructure Upgrades
- New engineering and administrative facilities

Cleanup:

- Infrastructure Reduction
- Integrated Facility Disposition Program

Where We're Going

Stable funding

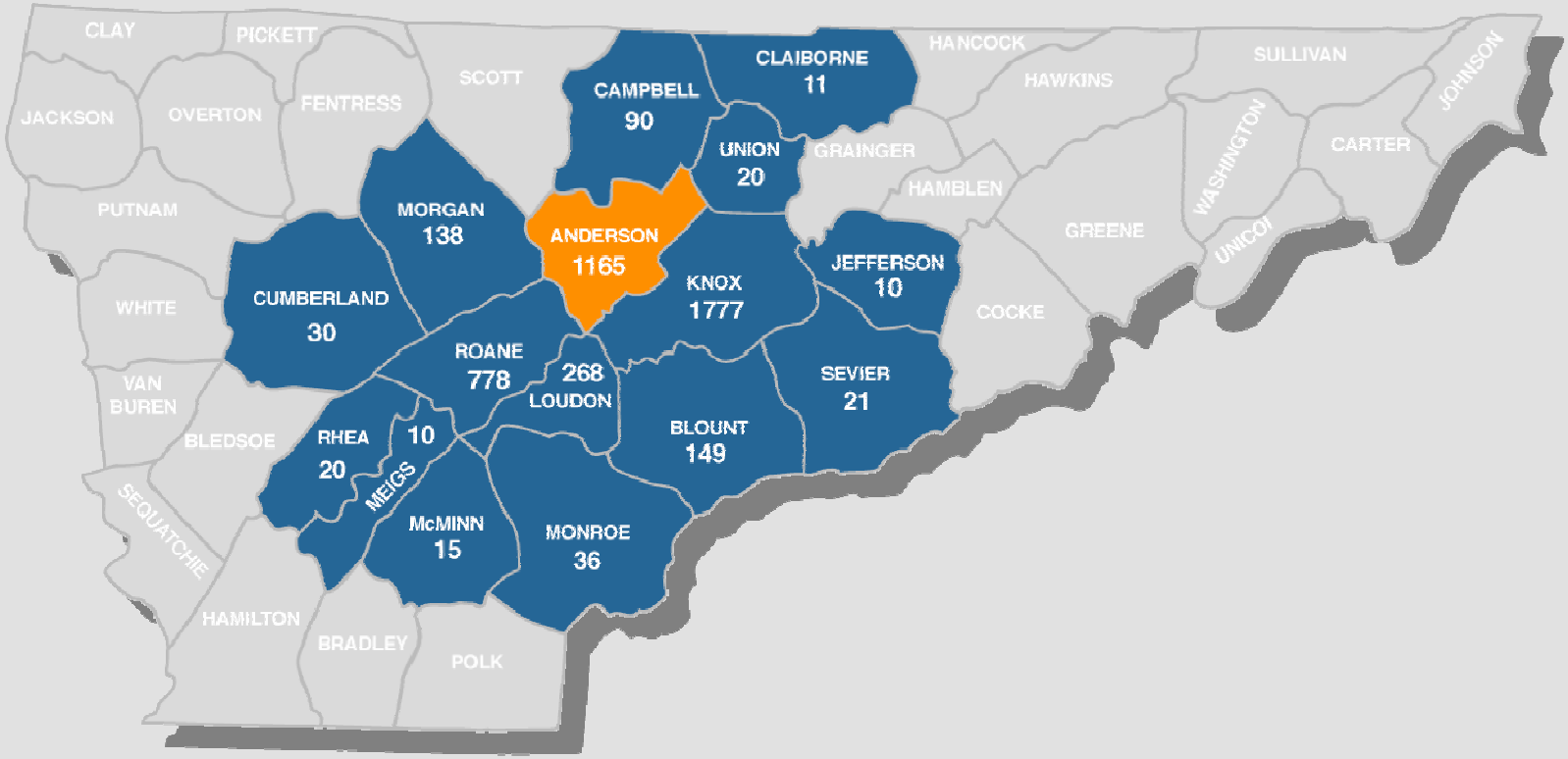


Y-12 Demographics

- Work force of 4,700
  - on-site population [with National Nuclear Security Administration (NNSA) subcontractors and others] of almost 7,000
- 550+ facilities (5.5 million ft^2)
- 2.5 miles long, 0.5 miles wide
- FY 2005 annual budget of ~$770 million
- $286.9 million in procurements for FY05
- 183 new hires in 2004; 1,078 new hires since 2000
- Number of employees with degrees
  - 1,178 (BS), 513 (MS), 68 (PhD)

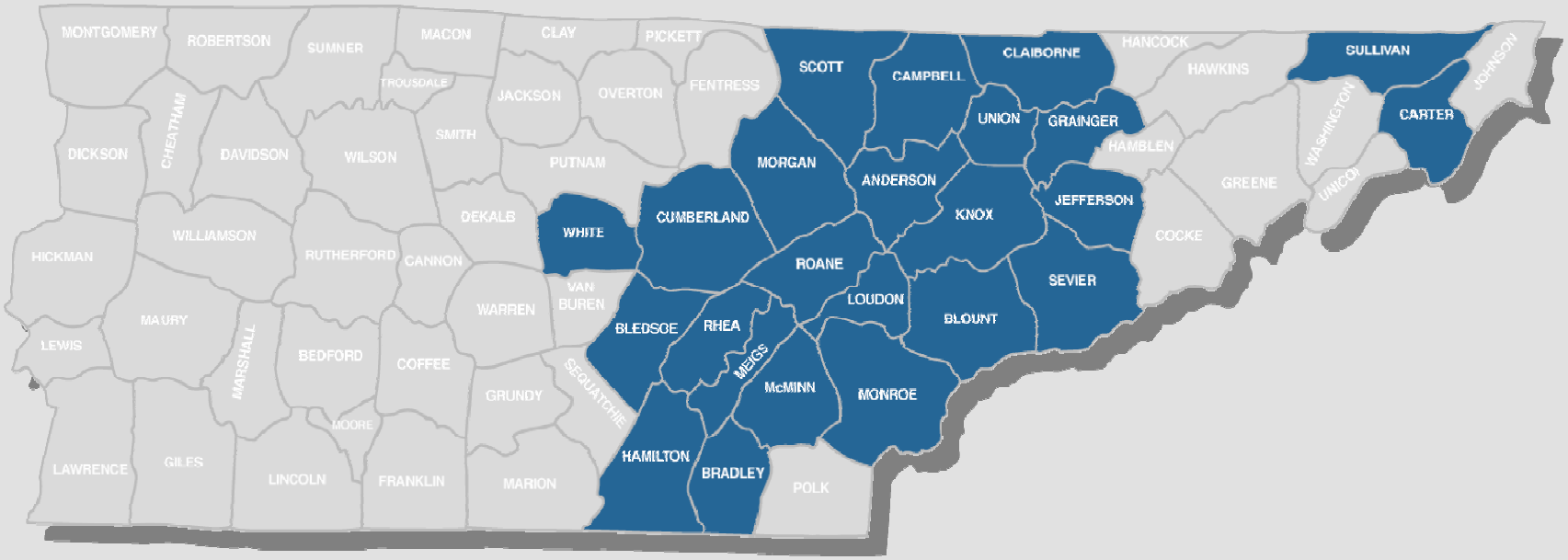
Y-12 Employees by County

- Total BWXT Y-12 employment totals 4,700.
- Additional personnel brings Y-12 population to 7,000.



Regional Economic Impact

- 20th largest employer in Tennessee
- 4th largest in the Knoxville area
- $314 million in wages
- $9.3 million in taxes



Regional Economic Impact

- $4 billion indirect economic impact
- 10,700 retirees
- $137 million pension disbursement

DOE Awards Mentor-Protégé Team

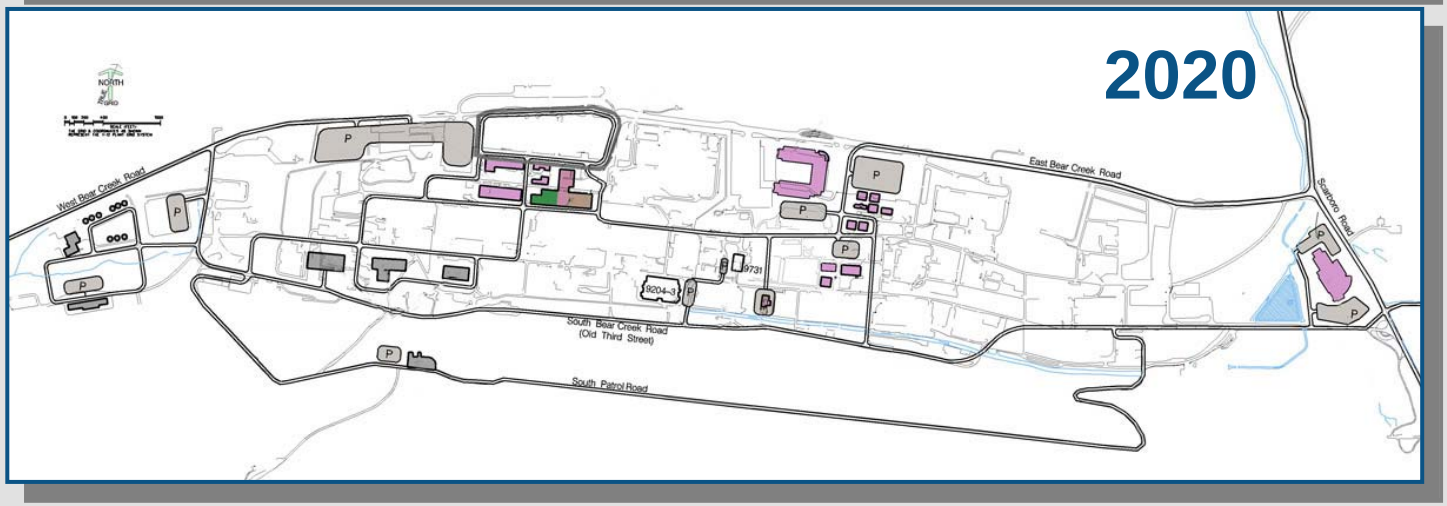
Small Business Achievements recognized three years in a row

Eleven Mentor-Protégé agreements signed

Y-12 considered model for Nuclear Weapons Complex

Where We're Going

Reduced site footprint



The Future

Consolidated and updated Y-12's capabilities

Highly Enriched Uranium Materials Facility

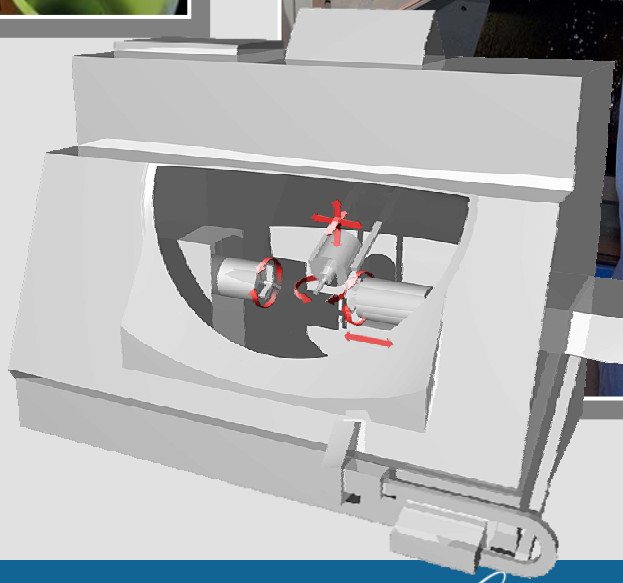
Uranium Processing Facility

The Future

New production and public interface buildings

The Future

Lean, agile, affordable manufacturing



The Changing Face of Y-12

- New missions
- New facilities
- New equipment
- New people
- Consolidated site footprint and enhanced security
- Continued commitment to community