

Production Modernization Update

Audrey Beldio, Principal ADA for Production Modernization and Materials Management

Briefing to the Annual Nuclear Deterrence Summit: Pre-Conference Workshop

January 27, 2025

Production Modernization Spans the entire Nuclear Security Enterprise

- **14 suboffices, 12 capital construction projects, \$6B/year**
 - **Plutonium Modernization**
 - LANL Pit Production
 - SRPPF Pit Production
 - Plutonium Integration
 - **Non-Nuclear Modernization**
 - Non-Nuclear Capabilities
 - High Explosives and Energetics
 - Capabilities Based Investments
 - Warhead Assembly
 - **Strategic Materials Modernization**
 - Tritium
 - Defense Fuels Program
 - Enriched Uranium
 - Depleted Uranium
 - Lithium
 - Advanced Materials Capabilities

LLNL = Lawrence Livermore National Laboratory
KCNSC = Kansas City National Security Campus
LANL = Los Alamos National Laboratory

LLNL = Lawrence Livermore National Laboratory
NNSS = Nevada National Security Site
Pantex = Pantex Plant

SNL = Sandia National Laboratories
SRS = Savannah River Site
Y-12 = Y-12 National Security Complex

2024 Accomplishments



- Plutonium
 - First diamond stamped W87-1 pit
 - Began SRPPF long lead procurements

- Non-Nuclear Modernization



- Broke ground on KC NExT
- Awarded contract for 32,000 pounds of binder for IHE
- Established Weapons Assembly Modernization Program



- Strategic Materials Modernization
 - Awarded commercial niobium contract
 - Restarted Vacuum Arc Remelt
 - Increased NRC tritium production license

