



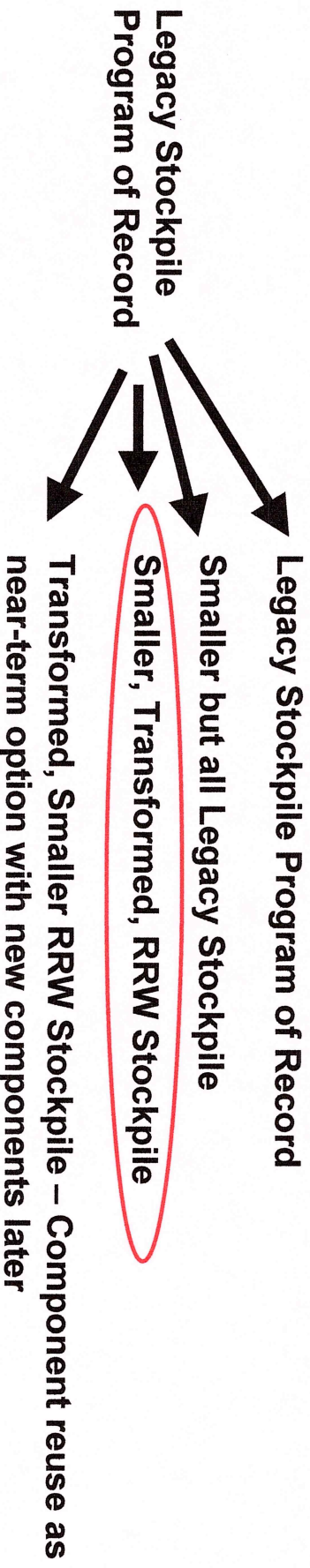
# Modernize the Nuclear Weapons Complex (Nuclear Issues)



- Start scoping of a potential National Environmental Policy Act (NEPA) process in 2006 on future complex alternatives and siting decisions. In addition, begin independent business case assessments to support decisions.
- Reduce the number of sites with CAT I/II special nuclear materials (SNM):
  - Eliminate need for CAT I/II SNM security at SNL by end of 2008.
  - De-inventory CAT I/II SNM removed from LLNL by the end of 2014 (tied to CMRR). Move SNM in 2008 or earlier.
  - By 2022 LANL (the Laboratory) will not operate facilities containing CAT I/II quantities of SNM. The location and operator of the consolidated plutonium center will be determined following NEPA compliance actions.
- Upgrade Y-12 as the NNSA CAT I/II uranium center:
  - Complete HEUMF and plan/build a UPF with a baseline capacity of 125 units per year.
  - Achieve significant reductions in Cat I/II SNM footprint at Y-12.
- Plan, construct, and start up a consolidated plutonium center at an existing CAT I/II site for long-term NNSA plutonium CAT I/II R&D, surveillance, manufacturing, and storage/disposition operations.
  - Complete the consolidated plutonium center with a capacity to support 125 RRW war reserve pits per year by 2022.
  - Upgrade PF-4 to support an interim production rate of 30 to 50 RRW war reserve pits/year by 2012.
  - Complete CMRR with CAT I/II capability until 2022 to support PF-4 and closure of LLNL B332 and LANL CMR.
- Upgrade Pantex throughput for increased assembly/disassembly operations. Use DAF as backup for weapon assembly/disassembly/dismantlement operations.
- Transition large-scale hydrotesting to NTS. Prepare LLNL Site 300 disposition plan in 2007.
- Retain tritium capabilities and consolidate R&D.



# Transform the Nuclear Stockpile



- Maintain the viability of legacy weapons until replaced. Assure confidence in the reliability, safety, security, and performance of the nuclear deterrent without underground nuclear testing.
- Accelerate dismantlement completion from 2034 to 2023 of legacy weapons currently planned for retirement.
- Engage in partnership with the Department of Defense to deploy reliable replacement warhead (RRW) concepts. Work with DOD to modify legacy stockpile Program of Record:
  - Suggest limiting number of W76-1 warheads completed in the Life Extension Program (LEP).
  - Suggest canceling the W80 LEP now and reducing warhead numbers.
  - Suggest reducing the number of B61-7 refurbishments and canceling the B61 non-nuclear LEP.
  - Suggest canceling the W78 LEP.
- Implement a continuous design/deployment cycle that exercises the design and production capabilities and enables responsiveness of the nuclear weapons complex.
- Sustain capability to test.