CHALLENGES

NNSA infrastructure is too big, too old & too brittle

- Facilities & systems are well beyond end-of-life
- Block obsolescence limits maintenance & repair options
- Excess facilities pose unacceptable risks

Failures are increasing in frequency, severity & unpredictability

- Multiple Fire Suppression Breaks: PX bays/cells (6/2014 & 8/2015), Y-12 Beta-4 (8/2015) & NNSS DAF (11/2013)
- Multiple HVAC failures resulted in program delays: LLNL superblock (5/2015) & NNSS (8/2015)
- Multiple roof leaks/failures: Y-12 Alpha-5 (7/2015) & 9206 (2/2016)
- Electrical Distribution Panel at Y-12 Beta-4 caught on fire & hydraulic oil leaked from an idle 7,500 ton press (3/2015)

Sustained investments are needed

- Specialized equipment lead times can be up to two years for purchase & certification
- Some systems can only be replaced in phases without impacting programs
- Continued safe & environmentally compliant operations

Infrastructure risks become safety & program risks

Y-12 Alpha-5

SRS 238-H

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Y-12 Beta-4