



Pantex Mission Overview

Carlos Alvarado, NPO Deputy Manager

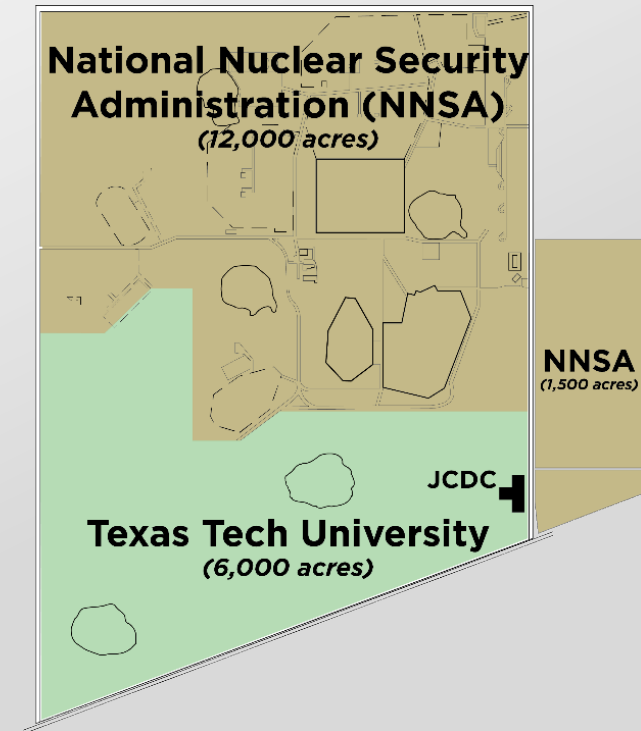
May 2, 2023



Pantex Site

INNOVATE. COLLABORATE. DELIVER.

- NNSA owns northern 12,000 acres, leases remaining 6,000 acres from Texas Tech University, and owns 1,500 acres east of FM 2373
- Most plant operations conducted in \approx 580 buildings on \approx 2,000 acres



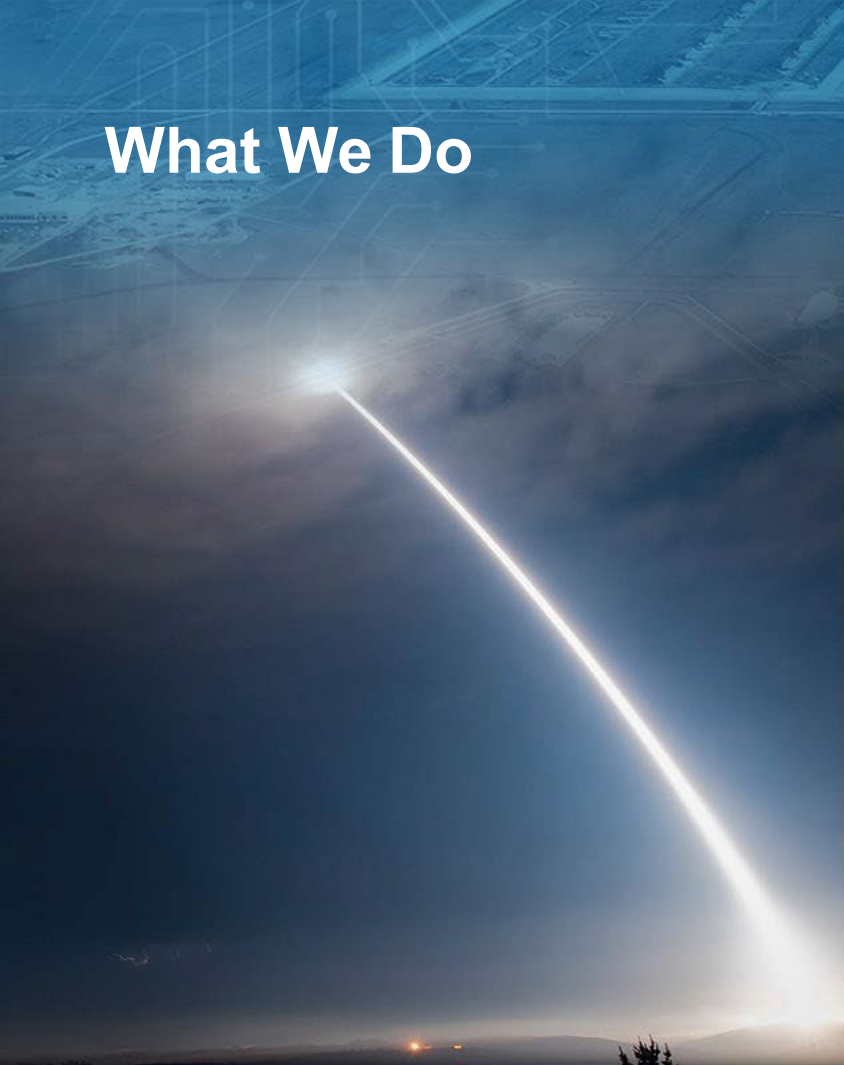
History of the Pantex Site

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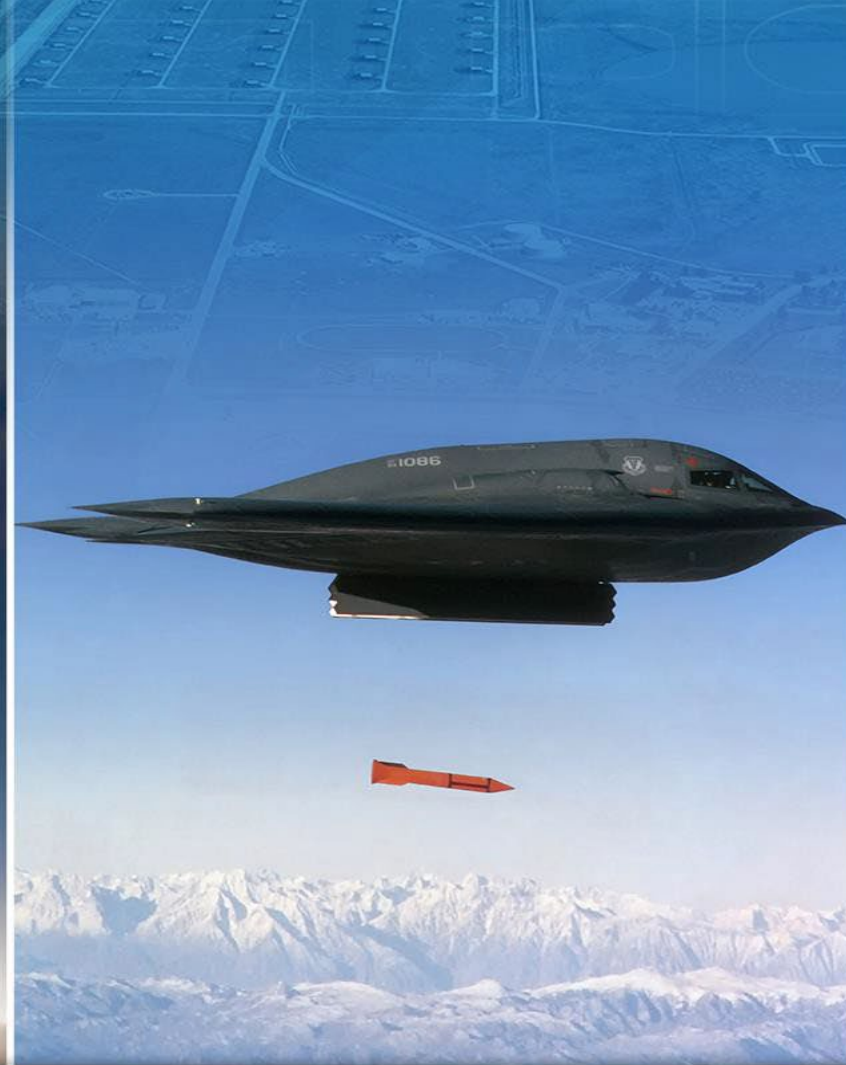
- 1942** – Last of 14 bomb-loading plants constructed during WWII. Produced 250- and 500-pound bombs during WWII. Peak employment 5,254 (60% female)
- 1945** – Pantex closed
- 1947** – Texas Technological College established agricultural research farm
- 1951** – Pantex recaptured by the Atomic Energy Commission and refurbished for nuclear weapons work
- 1956** – New weapons designs and facility designs come to Pantex operations
- 1960** – New high explosives mission
- 1965** – Surveillance mission begins
- 1975** – Consolidation of all nuclear weapon assembly/disassembly to Pantex
- 1980's** – Height of the Cold War: 10 enduring stockpile systems in production and seven major production facilities constructed
- 1991** – Dismantlement mission accelerates
- 2002** – Transition back to stockpile systems work and pit repackaging campaign
- Today** – Two major Stockpile Life Extension Programs underway with three others in planning



What We Do



LAND



AIR



SEA

- Nuclear Explosive Assembly and Disassembly
- Dismantlement
- High Explosives Manufacturing and Assembly

- Non-proliferation
- Emergency Response
- Special Nuclear Material Interim Staging

Pantex by the Numbers

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Special tooling

- 1,000 tools delivered to production facilities every month
- > 120,000 tools in inventory
- > 31,000 tools issued to production facilities

Buildings

- 583 buildings
- 3,420,819 square feet
- Average age is 46 years old

Power usage

- \approx 214 MWh/day average (60% coming from 5 wind turbines owned by the site)

HVACs

- Total of 1,210

Steam lines

- 9 miles of steam piping

Electrical distribution

- 149 miles of overhead and underground electrical lines

Roads

- 70 miles of roadways (primary, secondary, tertiary)

Procedures

- 2,436 technical
- 4,887 administrative

Water

- 350,000 gallons of potable water used each day

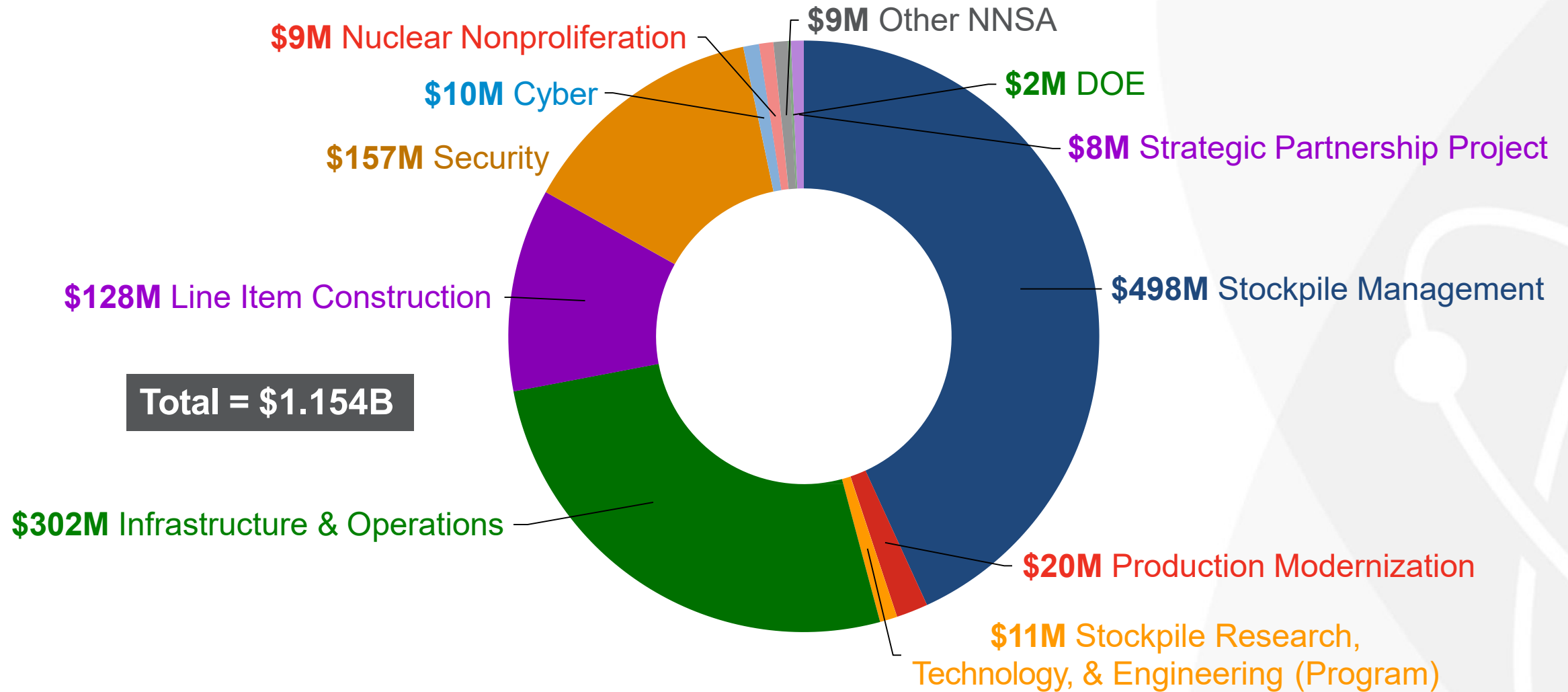
Procurements

- 5,466 transactions annually
- \$266,125,102 awarded to suppliers last year

Production stores

- 3.3 million parts in inventory

Pantex FY 2023 budget



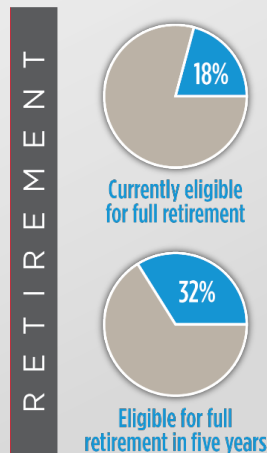
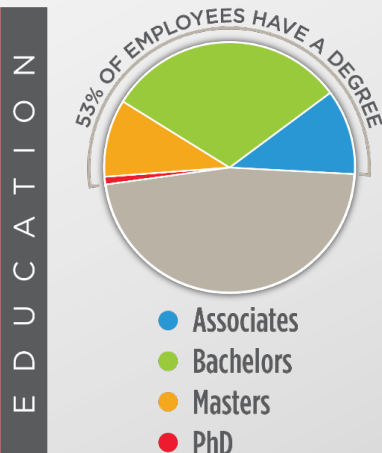
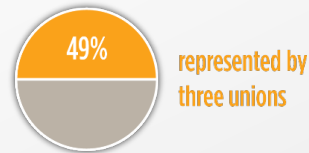
Pantex Economic Impact

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OUR PEOPLE

(FY22 Hiring Actions: 1,056)
4,242 employees living
in the Panhandle



ECONOMIC IMPACT

OUR IMPACT



Where We're Going: Site Transformation



Closing thoughts

INNOVATE. COLLABORATE. DELIVER.

- Pantex is a vital part of the national nuclear weapons enterprise
- Diverse workforce and unique manufacturing capabilities
- Transforming to ensure enduring security of our nation
- A vital member of the Panhandle community



Questions?

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Please submit questions to the following email:

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