The mission of the Administration shall be the following:

(1) To enhance United States national security through the military application of nuclear energy
(2) To maintain and enhance the safety, reliability, and performance of the United States nuclear weapons stockpile, including the ability to design, produce, and test, in order to meet national security requirements
(3) To provide the United States Navy with safe, militarily effective nuclear propulsion plants and to ensure the safe and reliable operation of those plants
(4) To promote international nuclear safety and nonproliferation
(5) To reduce global danger from weapons of mass destruction
(6) To support United States leadership in science and technology

National Nuclear Security Administration Act
50 U.S.C. 2401(b)
To advance U.S. counterterrorism and counterproliferation objectives through innovative science, technology, and policy driven solutions.

To sustain a safe, secure and effective nuclear deterrent through the application of science, technology, engineering, and manufacturing.

To detect, secure, and dispose of dangerous nuclear and radiological material, and related weapons of mass destruction technology and expertise.

To develop and implement security programs for NNSA including protection, control, and accountability of materials, and for the physical security of all facilities of the administration.

To provide militarily effective nuclear propulsion plants and ensures their safe, reliable and long-lived operation.

To provide radiological and nuclear emergency response and to provide security to the nation from the threat of nuclear terrorism.

To advance U.S. counterterrorism and counterproliferation objectives through innovative science, technology, and policy driven solutions.
The Nuclear Security Enterprise

- Naval Reactors Facility
- Knolls Atomic Power Laboratory/Kenneth A. Kesselring Site
- Nevada National Security Site
- Lawrence Livermore National Laboratory (LLNL)
- Kansas City National Security Campus (NSC)
- Los Alamos National Laboratory (LANL)
- Bettis Atomic Power Laboratory
- Pantex Plant (PX)
- Y-12 National Security Complex (Y-12)
- DOE/NNSA Headquarters
- Savannah River Site (SRS)
- Sandia National Laboratories (SNL)
- Albuquerque Complex

Legend:
- Headquarters
- National Security Laboratories
- Plants and Sites
- Naval Reactors Laboratories
# Management & Operating Contractors

<table>
<thead>
<tr>
<th>FACILITY</th>
<th>CONTRACTOR</th>
<th>PARENT COMPANIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence Livermore National Laboratory</td>
<td>Lawrence Livermore National Security, LLC</td>
<td>University of California, Bechtel National, Babcox &amp; Wilcox, AECOM, Battelle</td>
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<tr>
<td>Los Alamos National Laboratory</td>
<td>Los Alamos National Security, LLC</td>
<td>University of California, Bechtel National, Babcock &amp; Wilcox Technical Services, and AECOM</td>
</tr>
<tr>
<td>Nevada Nuclear Security Site</td>
<td>National Security Technologies, LLC</td>
<td>Northrop Grumman, CH2MHIll, AECOM, Nuclear Fuels Svcs (Acquired by B&amp;W)</td>
</tr>
<tr>
<td>Sandia National Laboratories</td>
<td>Through May 2017: Sandia Corporation</td>
<td>Lockheed Martin Corporation</td>
</tr>
<tr>
<td>National Security Campus (formerly known as the Kansas City Plant)</td>
<td>Honeywell Federal Manufacturing &amp; Technologies, LLC</td>
<td>Honeywell International, Inc.</td>
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<tr>
<td>Pantex Plant</td>
<td>Consolidated Nuclear Security, LLC (CNS)</td>
<td>Bechtel National, Lockheed Martin Services, ATK Launch Systems, and SOC LLS</td>
</tr>
<tr>
<td>Oak Ridge Y-12 Site</td>
<td>Consolidated Nuclear Security, LLC (CNS)</td>
<td>Bechtel National, Lockheed Martin Services, ATK Launch Systems, and SOC LLS</td>
</tr>
</tbody>
</table>
NNSA SAFETY, INFRASTRUCTURE & OPERATIONS

MAKING THE RIGHT THINGS HAPPEN

A VAST AND COMPLEX ENTERPRISE

Vision
We contribute to national security now and in the future by managing the complex NNSA risks of safety, infrastructure, materials, and the environment.

Mission
Enable safe operations, ensure effective infrastructure, and provide enterprise services to meet National Nuclear Security Administration needs.

39,000
LABORATORY & PLANT EMPLOYEES

NEARLY THE DRIVING DISTANCE FROM DC TO LOS ALAMOS

2,000
miles of roads

TRACK 400,000 METRIC TONS OF NUCLEAR MATERIAL TRANSACTIONS

safety for nuclear and hazardous facilities

2,100
square miles of land area

ABOUT THE LAND AREA OF DELAWARE

36 MILLION
square feet of active facility space

~ six Pentagons worth

NNSA Packages ship over 500,000 miles per year

Enough to travel to the moon and back

~ 9 Trillion BTUs
ANNUAL ENERGY CONSUMPTION

enough to power ~ 256,000 homes for one year

MARCH 2017
Nuclear Weapons Council (NWC)
Nuclear Weapons Council (NWC) Shared Nuclear Deterrence Responsibilities with DoD

- Establish military requirements
- Design, develop, test, and produce delivery system
- Operate complete nuclear weapons system
- Secure and maintain nuclear weapons
- Train personnel and plan for employment

- Maintain safety, security, and effectiveness of the stockpile
- Research and develop nuclear weapon science, technology, and engineering
- Support stockpile levels
- Validate warhead safety and assess reliability
- Produce and manage nuclear materials
Max Warheads: 31,255
End of the Cold War
Total Warheads as of 2016: 4,018
Sustaining the Stockpile

“Greatest level of effort for the future deterrent since the Cold War - while maintaining the current deterrent”

Source: Figure 2-2, FY 2017 NNSA Stockpile Stewardship and Management Plan (SSMP)
Defense Nuclear Nonproliferation
NA-20
DNN Mission Enduring and Evolving:

- Over half a century of upholding the Nuclear Non-Proliferation Treaty/nuclear nonproliferation regime/treaty monitoring
- Post-Cold War development of global nuclear security cooperation
- Post 9/11 mission focus on countering terrorist access to material, technology and expertise
- Further evolution as we look “over the horizon” at emerging threats

**U.S. Nuclear Security Policy Priorities Guide DNN Planning:**

- Support President’s Prague vision and promote permanent threat reduction under Nuclear Security Summit process: minimize nuclear materials and strengthen security of remaining materials, ramp up radiological and maritime security programs, expand counter-trafficking capacities
- Strengthen and expand nonproliferation detection and monitoring efforts
- Address proliferation/terrorism risk inherent in expanding global use of nuclear energy
- Sustain critical scientific and technical capabilities of the DOE complex
- Lead vital nuclear security engagements with P3, UK, China, EU, France, Central & South Asia
- Provide technical and negotiating support to existing and new arms control initiatives
Naval Reactors
FOCUSED MISSION

- Provide militarily effective nuclear propulsion plants and ensure their safe, reliable, and long-lived operation

CLEAR, TOTAL RESPONSIBILITY AND ACCOUNTABILITY FOR ALL ASPECTS

- Research, development, design, construction
- Maintenance, repair, overhaul, disposal
- Radiological controls, environment, safety, health matters
- Officer operator selection, operator training
- Administration (security, nuclear safeguards, transportation, public information, procurement and fiscal management)
- Centralized control of Program’s Industrial Base/Vendors
- Spent fuel custody

SIMPLE, ENDURING, LEAN STRUCTURE

- Director tenure 8 years, 4-Star Admiral/Deputy Administrator in NNSA
- Dual agency structure with direct access to Secretaries of Energy and Navy
- Small headquarters, field activities

EXECUTIVE ORDER 12344 SET FORTH IN PUBLIC LAW 98-525 AND 106-65
Emergency Operations
NA-40
NA-40 Supports All-Hazards Emergency Management at DOE

- Coordinates the Department’s Emergency Management System and ensures the continued performance of national essential functions
- Ensure HQ and Field Elements maintain viable continuity programs, plans, and procedures, before, during and after an event
- Integrates planning, preparedness, response, and recovery activities
- Promotes the efficient use of emergency assets and resources
- Defines all-hazards emergency plans, policies and readiness assurance
- Leading the development of a DOE wide Unified Command System
- Leading the development of an Enterprise supportive Consolidated Emergency Operations Center and associated protocols and procedures
• The DOE/NNSA plans to move to an Enterprise-wide emergency management system, to better meet the response requirements of all hazards, cascading, and complex incidents that may not be mutually exclusive.
Counterterrorism & Counterproliferation
NA-80
Premier technical leader in preparing for, responding to, and successfully resolving nuclear and radiological accidents and incidents worldwide.

- Provide expertise, practical tools, and technically informed policy recommendations required to advance U.S. nuclear counterterrorism and counterproliferation objectives
- Charged with understanding **nuclear threat devices** (i.e., improvised nuclear devices, nuclear devices of proliferation concern, and nuclear devices outside of state control)
- Departmental lead for nuclear incident response, including nuclear forensics
Who We Are . . .
Internal Stakeholders

Office of External Affairs
Adam Scheinman (Acting)

Director of External Affairs (Acting)
Adam Scheinman

Director of Congressional Affairs (Acting)
Mark Arnone

Director of Intergovernmental Affairs
Harris Walker

NNSA’s principal liaison with state, local, and tribal governmental stakeholders & non-governmental organizations

Director of Public Affairs (Acting)
Greg Wolfe
To enable NNSA’s mission by ensuring effective relationships are maintained with governmental and non-governmental stakeholders whose constituencies are impacted by our decisions or could exercise influence over our policies, plans, and future.
• Support NNSA HQ and Site leadership accomplish policy/program goals and objectives

• Ensure **effective** IGA relationships are established and maintained

• Manage, coordinate, and integrate IGA liaison activities across the Nuclear Security Enterprise
Who We Are…
External Stakeholders

- State Executive Branch Officials
  - Governor/Lt Governor
  - Cabinet Secretaries

- State Legislative Branch Officials
  - Leadership
  - Key Committees
  - Site Senators and Representatives

- City/County Government Officials
  - Mayors
  - City/County Councilors & Staff

- Tribal Government Officials
  - Governors
  - Environmental Science Advisors

- State-Local-Tribal Government Organizations
  - National
    - “Big 7”
    - Council of Governors
  - DOE-centric
    - Energy Communities Alliance
    - State-Tribal Government Working Group

- Non-governmental organizations and stakeholder groups
Intergovernmental Affairs . . .

... Ensuring Consistency and Coordination