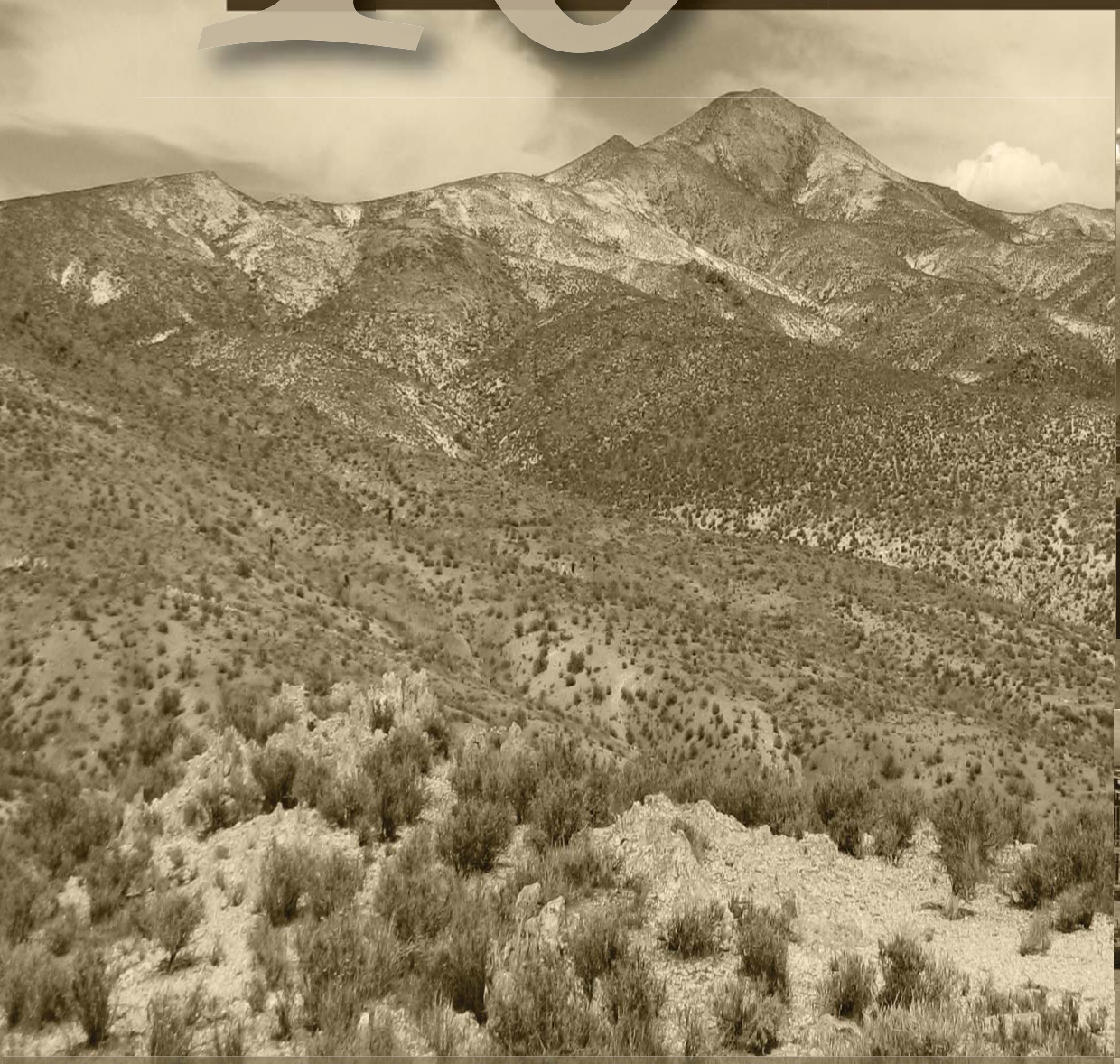
10 Year Site Plan
Fiscal Year 2012



DEPARTMENT OF ENERGY • UNITED STATES OF AMERICA

NNSA
National Nuclear Security Administration

NSTec

Disclaimer

Desert Spiny Lizard on Joshua Tree

FY 2012 NNSA/NSO
Ten-Year Site Plan

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Acronyms

ARRA	American Recovery and Reinvestment Act
BEEF	Big Explosives Experimental Facility
CAIS	Condition Assessment Information System
CAS	Condition Assessment Survey
CAU	Corrective Action Unit
CBFI	Capabilities Based Facilities and Infrastructure
CEF	Criticality Experiment Facility
DAF	Device Assembly Facility
DM	Deferred Maintenance
DOE	U.S. Department of Energy
DPF	Dense Plasma Focus
DSW	Directed Stockpile Work
FCI	Facility Condition Index
FIMS	Facility Information Management System
FIRP	Facilities and Infrastructure Recapitalization Program
FY	fiscal year
FYNSP	Future Years Nuclear Security Program
gsf	gross square feet
HE	High Explosives
JASPER	Joint Actinide Shock Physics Experimental Research
LANL	Los Alamos National Laboratory
LAO	Los Alamos Operations
LLNL	Lawrence Livermore National Laboratory
LO	Livermore Operations
MC	Mission Critical
NCNS	National Center for Nuclear Security
NLVF	North Las Vegas Facility
NNSA	National Nuclear Security Administration
NNSS	Nevada National Security Site
NSO	Nevada Site Office
NSTec	National Security Technologies, LLC
NWL	National Weapons Laboratory
RCRA	Resource Conservation and Recovery Act
R&D	Research and Development
RMAD	Reactor Maintenance, Assembly, and Disassembly
RPV	Replacement Plant Value
RTBF	Readiness in Technical Base and Facilities
RSL	Remote Sensing Laboratory
RWMS	Radioactive Waste Management Site
SNL	Sandia National Laboratories
SNM	Special Nuclear Material
SSP	Stockpile Stewardship Program
ST&E	Science, Testing, and Engineering
STL	Special Technologies Laboratory
SWEIS	Site-Wide Environmental Impact Statement
TYSP	Ten-Year Site Plan

Executive Summary

Looking west from Rounded Ridge across northern Yucca Flat towards Rainier Mesa

10 Year Site Plan
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1.0 Executive Summary

1.1 The Current State

In an effort to expand the mission of the Nevada Test Site, on August 23, 2010, the National Nuclear Security Administration (NNSA) announced the renaming of the Site to the Nevada National Security Site (NNSS). The name change reflects a more diverse 21st century mission. The former testing ground for America's nuclear arsenal will be the home of a national-level collaboration designed to significantly reduce the threat of nuclear weapons on a global level. The NNSS will fully utilize the inherent capabilities and remote location of the Site to support all of our Nation's nuclear, energy, and homeland security efforts.

The following outlines current capabilities and missions at the NNSS:

- NNSA Defense Programs: NNSS's primary mission is to support the nuclear stockpile. Several major facilities at the Site support the Stockpile Stewardship mission, including the Device Assembly Facility, the U1a underground complex (U1a), the Big Explosive Experimental Facility (BEEF), and the Joint Actinide Shock Physics Experimental Research (JASPER) Facility.
- NNSA's Nuclear Nonproliferation Programs: NNSS also provides a test location for evaluating sensor technologies, as well as for methods of detecting, characterizing, and monitoring nuclear weapons related activities that are useful for arms control and nonproliferation purposes.
- NNSA Nuclear Emergency Response Capabilities: NNSA assets deployed in Nevada currently play a critical role in the management of NNSA's National Nuclear Emergency Response efforts. These include the execution of Aerial Measurements, Consequence Management and Crisis Response, and provides program direction for the receipt, staging, assessment, disassembly, and/or destruction of nuclear or radiological devices during emergency scenarios.
- Other Government Agency Programs: NNSS currently supports other federal agency activities, such as remote imaging, chemical/biological projects, military training, and special projects. The NNSS also oversees and administers the conduct of training for first-responders in the prevention, protection, and response to possible terrorist use of radiological or nuclear material as a Weapon of Mass Destruction.

1.2 FY 2010 Accomplishments

Fiscal Year (FY) 2010 was marked by numerous major accomplishments that were critical to meeting many of the goals of the NNSA and for those federal agencies who rely on the NNSS. Below is a brief review of some of the major facilities, infrastructure, and Program accomplishments for FY 2010.

BEEF's Changing Role to Meet Current and Future Customer Needs: In February and April 2010, experiments were conducted by the Remote Sensing Laboratory for the Department of Homeland Security to test methods for defeating vehicle bombs. These experiments marked the first time National Security Technologies, LLC (NSTec) has carried out experiments on its own. By continuing to increase capabilities at BEEF, the NNSS maintains a highly relevant role in the nation's ever-changing national security posture.

NNSS Opens the Doors to Two New Fire Stations: In October 2010, NSTec officially opened the doors on two new fire stations (Station No. 2, located in Area 6, and Station No. 1, located in Mercury) at the NNSS. Both fire stations were selected for and awarded the Leadership in Environmental and Engineering Design Gold certification for energy-efficient design and features.

The stations, which were completed more than $7 million under budget and on schedule, replaced those previously in use since the 1960s.

New Robots Improve Security While Reducing Costs at the NNSS: The NNSS purchased the first of three Mobile Detection Assessment Response System robots to improve security patrols at remote portions of the NNSS. The robot, which is remotely operated from a command center at the NNSS, is designed to perform random patrols. Onboard sensors and real-time video allow the operator to see intruders or suspect activity as soon as the robot encounters it.

Use of the robot will result in an estimated cost avoidance of $6 million in infrastructure investments for equipment. Additionally, the robots will result in an annual cost avoidance of $1 million in protective force expenditures and equipment maintenance.

NNSS Dense Plasma Focus (DPF) Research: The Site management and operating contractor, NSTec, is overseeing significant breakthroughs in the area of DPF research.

DPF machines at NNSS are supporting research and development at Sandia, Los Alamos, and Lawrence Livermore National Laboratories by providing short intense bursts of fusion-born neutrons and protons. DPF machines are also used for designing and testing systems that can be used for Homeland Security.

The DPF machine "Gemini" at the NNSS recently celebrated its 1,000th shot. The Gemini has grown to be the largest and most powerful DPF machine in the world. The NNSS machine is now part of an international research community that is exploring the specific plasma physics that creates the conditions for these machines to succeed. The Gemini is the fourth DPF machine in a planned progression of sources, representing a thousand-fold increase in energy storage from the first machine and a factor of 10,000 increase in output.

Defense Programs: In FY 2010, in support of NNSA's material consolidation goal, NSTec repackaged the remaining SPR-II material in four DT-23 containers in preparation for shipment to the Los Alamos National Laboratory for processing.

NSTec also accomplished several key milestones and activities in support of Defense Programs Stockpile Stewardship mission in FY 2010. These milestones included, successfully supporting the receipt of the first shipment of Global Security threat material to be staged in the Device Assembly Facility and completion of material control and accountability verification and validation measurements.

At U1a, the replacement of batteries and repairs for the .02 Drift Rotary Uninterruptable Power Supply to provide uninterruptible and clean power to Barolo experiment diagnostics were completed.

In support of JASPER, paving in and around Building 5150, Trailer D, and throughout the complex was completed.

In support of the High Explosive Facilities, an Explosives Training Qualification Program in accordance with U.S. Department of Energy (DOE) Manual 440.1-1A, *DOE Explosives Safety Manual* was implemented; the first NSTec test at BEEF Calibration/Record/Re-entry was completed; and high explosive packing for Death Stalker #1 was completed.

Nuclear Emergency Response: To prepare first responders for the possibility of a terrorist attack involving radiological dispersion devices, mass shootings, chemical releases, biological attacks, or bombings, the NNSS hosted a full-scale emergency preparedness exercise on January 27, 2010.

The NNSS Emergency Response Organization and offsite agencies worked together to analyze evidence and implement plans to resolve the threats posed in the exercise scenario.

Overall, the Emergency Response Organization demonstrated their capability to respond to and manage a homeland security event at the NNSS and was able to effectively interface and integrate effectively with offsite responders.

Environmental Management: NNSA/NSO Environmental Management Programs include Waste Management and Environmental Restoration.

NSTec's Environmental Management Division received almost $43 million in funds from the American Recovery and Reinvestment Act (ARRA), a federal effort created in part to revitalize American jobs and energy efficiency projects.

The ARRA's investment in the NNSS has accelerated NSTec's efforts to complete existing site cleanup projects by many years.

Environmental Restoration's key activities completed during FY 2010 included the following projects that were part of the ARRA investment:

- Installing groundwater monitoring wells at two sites on the Pahute Mesa in Area 20.
- Demolishing the Reactor Maintenance, Assembly, and Disassembly Facility in Area 25 and the Pluto Disassembly Facility in Area 26.
- Providing support to NNSA/NSO contractor Navarro-Intera for characterizing and regulatory closure of contaminated sites at four Corrective Action Units (CAUs), including CAU 106 at Frenchman Flat, and characterizing and closing CAU 408 at the Tonopah Test Range.

Waste Management's key activities completed during FY 2010 were also part of the ARRA investment.

Low-level radioactive waste disposal at the NNSS went into high gear as a result of AARA funding. Acceleration of cleanup work was sparked throughout the DOE Complex, as well as, the need to expand waste disposal capabilities at the NNSS Area 5 Radioactive Waste Management Site (RWMS).

The NSO increased disposal operations to allow for up to 318,000 cubic feet of low-level and mixed low-level waste per month at the Area 5 RWMS.

As of July 2010, more than 1.1 million cubic feet of waste was accepted at the NNSS. The total Recovery Act forecast for the year is 1.42 million cubic feet. In total, the NNSS will support the DOE Complex by disposing of 2.23 million cubic feet of waste.

Work for Others: The Department of Homeland Security uses the Site to train first-responders how to react in the event of an incident involving nuclear materials. The Site is also used to test the next generation of radiation detection equipment for ports and border crossings.

The Department of Defense has long used the Site as a location to understand how to detect and defeat fortified facilities constructed deep underground and to conduct a wide range of chemical, biological, and nuclear sensor detection work. Support of these and other national security missions is expected to grow as the NNSS continues to transform into a 21st century national security facility.

1.3 The Future State

The focus of the NNSA/NSO for the next ten years is to provide a safe and secure environment and unmatched support for high-risk, high-hazard, complex experimental, and operational activities. Over the next twenty years, the NNSA/NSO will focus on consolidating personnel into existing and new buildings. Recapitalization efforts will aid in configuring and changing items within enduring buildings to become more energy efficient. The NNSS will remain the center for high-hazard testing.

As new missions arrive and operations are funded, NSTec will focus on facility upgrades to accommodate user demands. NSTec will also focus on developing a more realistic environment to support research and development, equipment test and evaluation, individual and team training, comprehensive exercises, and intelligence support activities.

Significant changes are expected overall in the Homeland Security and Defense Applications Program. There is potential work in the areas of chemical and electromagnetic projectiles, anti-armor evaluations, high power microwaves, active interrogation, and live fire ranges.

The National Center for Nuclear Security (NCNS) will play a pivotal role in supporting nuclear nonproliferation objectives through research and capabilities development and demonstration. Three areas of focus for the NCNS will include: (1) Treaty verification – research, develop, and demonstrate methods, modeling, and technologies that support treaty verification; (2) Proliferation detection – research, develop, and demonstrate sensor technologies to detect signatures and observables of proliferant activities; and (3) Nuclear Forensics – research, develop, and demonstrate equipment and methods at historically relevant locations. The goal of the NCNS is to use the unique infrastructure and technical capabilities of the Site to conduct research experiments that will aid in detection, verification, and compliance with current and potential nonproliferation and arms control treaties, as well as, test ban agreements. Several experiments are being readied for execution in 2011.

On July 24, 2009, NNSA/NSO published a notice in the Federal Register of its intent to prepare a Site-Wide Environmental Impact Statement (SWEIS) for the Continued Operation of the U. S. Department of Energy/NNSA NNSS and offsite locations in the state of Nevada. This process analyzes potential environmental impacts of implementing proposed alternatives in three mission lines. Specifically, these are National Security/Defense-Programs, Environmental Management, and Non Defense activities. NNSA management decisions made, based upon the analysis of the SWEIS, will guide programs, projects, and activities in the state of Nevada for a ten year period of time.

In December 2010, a new state-of-the-art disposal cell was completed at the NNSS. This excavated unit, permitted under the requirements of the Resource Conservation and Recovery Act (RCRA), received it first mixed low-level radioactive waste package in January 2011. This unit, located at the NNSS Area 5 Radioactive Waste Management Site, is one of few RCRA-permitted facilities in the nation that will provide a sound, safe disposal option for generators meeting the NNSS strict waste acceptance criteria.

1.4 Specific Issues of Concern

Key concerns that will impact the NNSA/NSO's ability to fully achieve a smaller, more secure, and less expensive NNSS are identified below. Proposals on how to address these issues are also discussed.

Sustaining facilities to ensure the tremendous gains being made by the Facilities and Infrastructure Recapitalization Program will not be overcome, as Deferred Maintenance (DM) continues to grow, is a key issue. Facility Managers are focusing on sustaining enduring/high sustainment or Type 1 Facilities. As such, maintenance dollars are used to buy down DM whenever possible. NSTec is also working with the NSO to address funding required to sustain the facilities.

Growth in DM from a lack of funding, escalation, and identification of additional DM through Condition Assessment Survey inspections is an issue. Facility Managers actively pursue DM buy down in Type 1 or high sustainment facilities. DM is expected to hold steady in Type 2 or medium sustainment facilities. DM is expected to continue to rise in Type 3 or Low sustainment facilities

Upgrading, modernizing, and consolidating facility and utility infrastructure to support mission-critical operations is also an issue. Emphasis is placed on optimal energy and operational efficiencies, while ensuring that the vast network of facilities and utility systems remain stable. To support this effort, consolidation is pursued to minimize footprint and energy reduction.

Sustainability/Energy. The FY 2011 Site Sustainability Plan (SSP) has identified approximately $100M of Energy Projects. In FY 2011, NSO received approximately $500K which has been obligated for advanced metering projects. An additional $150,000 has been requested for water meters. The Annual SSP details how incremental gains will be achieved through indirect funding.

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Site Overview and Snapshot

Ledges in lower 40-Mile Canyon

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2.0 Site Overview and Snapshot (Appendix G)

Location: Las Vegas, Nevada
Type: Multi-Program Site
Web site: https://nv.energy.gov

Contractor Operator: National Security Technologies, LLC
Responsible Site Office: NNSA/NSO
Site Manager: Stephen A. Mellington

2.1 Site Overview

The Nevada National Security Site (NNSS) and its auxiliary sites (Livermore Operations; Los Alamos Operations; North Las Vegas Facility; Remote Sensing Laboratory [RSL]-Andrews; RSL-Nellis; Sandia, New Mexico; and Special Technologies Laboratory) offer a diverse compilation of unique facilities, equipment, and expertise making the NNSS an unequaled resource for many of the nation's key scientific and security projects. Work scope includes: designing, high explosives research and development, and implementing the technological support required for experiments and tests of national defense customers. Activities at the NNSS continue to be diverse, with the primary role being to help ensure that the existing United States weapons stockpile remains safe and reliable.

The NNSS has a long and proven history which has involved the safety and security of the nation. The remoteness and expanse of the NNSS has enabled it to serve as the host of extremely hazardous operations and research and development activities for 60 years.

These activities support the National Weapons Laboratories, U.S. Department of Defense, and various Work for Others customers.

The Core Capabilities of the NNSS as identified by the National Nuclear Security Administration are (C1) Design, Certification, Testing, Surveillance, and Science, Testing and Engineering Base; (C5) High Explosives Research and Development; (C9) Category I/II Special Nuclear Material Storage; (C11) Nuclear Non-Proliferation; (C10) Infrastructure Support Facilities; and (C12) Counter-Terrorism.

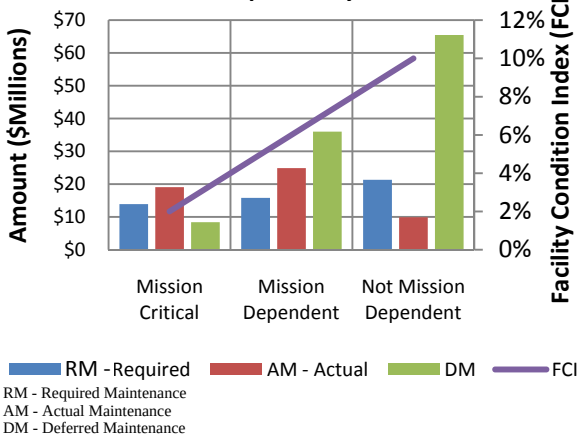
National Security Technologies, LLC is organized under a President and Chief Operating Officer with five staff Organizations and four line Directorates. The current workforce consists of scientific, technical, engineering, and administrative employees, totaling 1,877 employees.

The template below provides fiscal year (FY) 2010 Real Property Asset information pertaining to gross square footage and condition of assets as well as funding by source and total site operating cost.

Real Property:

- 859,340 Acres (Leased/Owned)
- 464 Buildings/Trailers:
  - 2,572,951 gsf Active and Operational
  - 480,622 gsf Non-Operational
  - 180,368 gsf Leased
- Replacement Plant Value: $3,139,835,947 (total assets)
- Deferred Maintenance: $205,159,981 (total assets)
- Facility Condition Index:
  - Mission Critical: 1.9 %
  - Mission Dependent: 6.6 %
  - Asset Utilization Index (Overall): 83 %

Maintenance and FCI by Mission Dependency

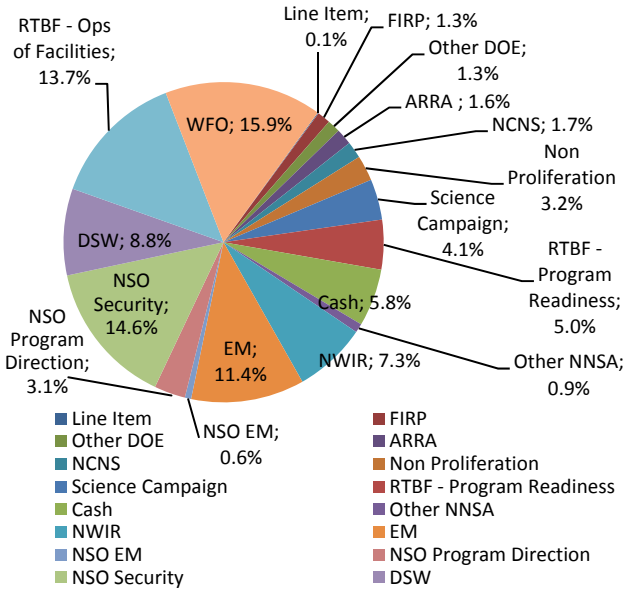


RM - Required Maintenance
AM - Actual Maintenance
DM - Deferred Maintenance

FY 2010 Funding by Source:

- FY 2010 Total Site Operating Cost: $ 693.353 M
- FY 2010 Total NNSA/DOE Funding: $ 464.378 M
- FY 2010 Total Non-NNSA Work: $ 89.009 M
- FY 2010 Total Other Funding: $ 128.716 M

FY 2010 Funding by Source



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Assumptions

John's Spring

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3.0 Assumption

Decisions made by the National Nuclear Security Administration Nevada Site Office (NNSA/NSO) are based on a number of assumptions regarding site operations, test programs, customers, and facility needs. These assumptions anticipate site use, policies, regulations, and agency mandates that may affect operation over the next twenty years.

The following key programmatic, budget, and planning assumptions guide NNSA/NSO planning activities and were used to develop this Ten-Year Site Plan (TYSP).

3.1 Programmatic Assumptions

- NNSA will continue as landlord of the Nevada National Security Site (NNSS). No actions will be taken and no projects will be planned or executed that preclude or impede the continued use of the site by the NNSA, up to and including resuming underground nuclear weapons testing. The NNSA will maintain and enhance facilities and infrastructure to meet the needs of its programs.
- Public proximity to some National Weapons Laboratories and defense facilities could result in the transfer of some high-hazard experiments and activities to the NNSS.
- The NNSS will maintain the capability to conduct nuclear explosive operations in support of the Stockpile Stewardship Program.
- The U.S. Department of Defense and other agencies will continue to use the NNSS for national programs that require the unique geology, remoteness, technical capabilities, and security that the NNSS provides.
- The Readiness in Technical Base and Facilities (RTBF) Program at the NNSS will provide the essential physical and operational infrastructure required to conduct scientific, engineering, and other technical activities of the Stockpile Stewardship Program.
    - The execution of subcritical tests will be supported by U1a and the Device Assembly Facility (DAF).
    - Integrated Experiments will be supported by U1a throughout the Future Years Nuclear Security Program (FYNSP).
    - Subcritical experiments will be supported by expanded U1a complex starting fiscal year (FY) 2015 and beyond timeframe.
    - High Explosive (HE) Facilities will be required throughout the life of the HE Programs.
    - The Joint Actinide Shock Physics Experimental Research (JASPER) Facility will support the JASPER Program.
    - DAF glove box will support JASPER in FY 2011 and may be required to support the plutonium capability in FY 2014.
    - DAF will continue to stage a significant special nuclear material inventory and support criticality experiments.

3.2 Budget Assumptions

The projects presented in this TYSP will be performed within the budget constraints of the FYNSP. According to the TYSP guidance, the FYNSP has identified $6.58 million (M) in Facilities and Infrastructure Recapitalization Program funding for FY 2012. The proposed Capabilities Based Facilities and Infrastructure (CBFI) sub-program is being evaluated to begin in FY 2013.

Per NNSA/Headquarters' guidance, proposed RTBF line items are listed in Attachment A-2. CBFI projects (recapitalization, disposition, and sustainability) submitted by National Security Technologies, LLC are prioritized consistent with the earlier CBFI submittal, but within the TYSP site targets. Line items will not be included within CBFI or within targets.

Facilities and infrastructure data were extracted from the year end FY 2010 Facility Information Management System.

3.3 Planning Assumptions

- Institutional control of the NNSS will continue indefinitely. Federal control of the site is considered an obligation of the federal government and will be maintained.
- The annual infrastructure assessments will identify and validate deferred maintenance requirements and excess facility candidates. Currently 335,000 gross square feet has been identified for disposition. As funding is made available, disposition will be accomplished.
- Reduction of footprint has occurred due to demolition, sale, and transfer of real property. As consolidation and energy efficiency efforts are realized, additional footprint reductions are anticipated.
- All new construction will be Leadership in Energy and Environmental Design Gold certified.
- RTBF is provided with funding to work towards meeting minimum operations target.
- JASPER Program
    - Receive funding to maintain JASPER facility now through end of JASPER program scheduled for FY 2015
    - Fund decommissioning scheduled for FY 2017
    - JASPER budget will be allotted to JASPER transition/shutdown and/or the next highest RTBF priority upon completion of JASPER program
- HE Programs
    - HE Facilities are required throughout the life of the HE Programs.

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Changes from Prior Year TYSP

Southern edge of Pahute Mesa looking across Buckboard Mesa towards Timber Mountian

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4.0 Changes from Prior Year Ten-Year Site Plan (TYSP)

4.1 Key Changes

This year's TYSP will focus on the 2012 budget year, and also provide an overview of an additional ten year horizon. As a result, a comprehensive, full-scaled TYSP will be submitted this year.

A "capability based" responsive infrastructure is required for any future stockpile scenario. The *Capability Based Facilities and Infrastructure* (CBFI) subprogram is under development. It will be comprised of four components: Infrastructure Line Items, Recapitalization/Life Extension, Disposition, and Sustainability/Energy. The CBFI is a facility investment strategy that provides a life extension to the enduring facilities and infrastructure required to sustain the core capability with a corresponding reduction in infrastructure risk to mission. CBFI will recapitalize, modernize, and refurbish facilities and infrastructure including utility systems; disposition of non-process contaminated facilities excess to the mission; and implement sustainability projects that support the capability.

There were two Sustainability Line Items presented to the Construction Working Group:

- Concentrated Solar Power Plant
- Data Center Relocation

This year, as presented in the tables below, the Readiness in Technical Base and Facilities (RTBF)-CBFI projects are identified by the National Nuclear Security Administration (NNSA) Mission. Projects are also identified by Core Capabilities for the Nevada National Security Site (NNSS) as well as NNSA Special Interest Activities.

RTBF-CBFI Projects Identified by NNSA Mission:

Code	Mission	Description
M1	Managing the Stockpile	Maintaining the safety, security, and effectiveness of the nuclear deterrent without nuclear testing-especially at lower numbers- requires increased investments across the nuclear security enterprise. Program elements include the following: • Design and build 21st Century uranium and plutonium processing facilities • Ensure the capabilities to complete ongoing Lifetime Extension Programs • Strengthen science, technology, and engineering base • Reinvest in the scientists and engineers who perform the mission
M2	Preventing Proliferation	Keeping weapons of mass destruction (WMD) out of the hands of state and non-state actors. NNSA prevents and counters WMD proliferation by strengthening export control systems in other countries and transitioning WMD expertise and infrastructure in partner countries to peaceful purposes. Program elements include the following: • Domestic Export Licensing • International Export Control Cooperation • Scientist Engagement and Redirection
M3	Powering the Nuclear Navy	Providing militarily effective nuclear propulsion plants and ensuring their safe, reliable, and long-lived operation. The Program has cradle-to-grave responsibility for all naval nuclear propulsion matters. Program responsibilities are delineated in Presidential Executive Order 12344 of February 1, 1982, and prescribed by Public Laws 98-525 of October 19, 1984 (42 USC 7158), and 106-65 of October 5, 1999 (50 USC 2406). Program elements include the following: • Research, development, and support laboratories • Contractors responsible for designing, procuring, and building propulsion plant equipment • Shipyards that build, overhaul, and service the propulsion plants of nuclear-powered vessels • Navy support facilities and tenders • Nuclear power schools and Naval Reactors training facilities • Naval Nuclear Propulsion Program Headquarters and field offices
M4	Emergency Response	Ensuring that capabilities are in place to respond to any NNSA and Department of Energy facility emergency. Responding to any nuclear or radiological incident within the United States or abroad and providing operational planning and training to counter both domestic and international nuclear terrorism. Program elements include the following: • Planning of Emergencies • Responding to Emergencies • Counterterrorism • International Programs • Emergency Communications • Operations Center • Emergency Operations Training • Continuity Program
M5	Continuing Management Reform	Managing and securing the nation's nuclear weapons, nuclear non-proliferation, and naval reactor programs; Responding to nuclear and radiological emergencies in the United States and abroad; Providing safe and secure transportation of nuclear weapons and components and special nuclear materials along with other missions supporting the national security.
M6	Recapitalizing our Infrastructure	Investing in the transformation of a Cold War nuclear weapons complex into a 21st Century nuclear security enterprise.

Projects identified by Core Capabilities for NNSS as well as NNSA Special Interest Activities:

Code	Special Interest
C1	Design, Certification, Testing, Surveillance, and ST&E Base
C5	High Explosives (HE) R&D
C9	Category I/II SNM Storage
C10	Infrastructure Support Facilities
C11	Nuclear Non-Proliferation
C12	Counter-Terrorism

NNSA Special Interest Activities:

Code	Special Interest	Description
LR	Legal Requirement/Costly Fines	Court Mandated, fines imposed on the site, NNSA, or DOE.
HS	Life, Safety, and Health	Correct a life, safety, or health deficiency.
RC	Facility Recapitalization	A major renovation or reconstruction activity (including replacement) needed to keep existing facilities modern and relevant in an environment of changing standard and missions. Recapitalization extends the service life of facilities or restores lost service life due to lack of sustainment, excessive age, natural disaster, accident, or other similar cause. It includes restoration, modernization, and/or recapitalization of facilities but not the acquisition of new facilities. It also includes the demolition of deteriorated facilities if demolition is part of the renovation process or is performed in conjuction with construction of replacement footprint elsewhere.
SY	Sustainability	Specifically meant to meet the requirements in the sites' approved SSP or DOE's SSPP.
FD	Facility Disposition	Projects for disposition (transfer, sale, or demolition) of excess facilities. (For this Special Interest Code to be applicable, the "Excess Indicator" in FIMS must be set to "Yes".)
DM	Deferred Maintenance	Projects to buy-down a site's deferred maintenance backlog. (For this special interest code to be applicable, Deferred Maintenance is maintenance that was not performed when it should have been or was scheduled to be and thus has significantly increased NNSA's mission risk.)
QOL	Quality of Life	Projects to accommodate a well-rounded morale, welfare, and recreational program to ensure the mental and physical well being of NNSA personnel. Examples include: fitness center, cafeteria, and lodging.

Future Vision and Core Capabilities

Cottonwood Spring 40-Mile Canyon

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5.0 Future Vision and Core Capabilities

5.1 Future Vision

The focus of the National Nuclear Security Administration Nevada Site Office (NNSA/NSO) is to provide a safe and secure environment and unmatched support for high-risk, high-hazard, complex experimental, and operational activities. The Nevada National Security Site (NNSS) will remain the center for Design, Certification, Testing, Surveillance and Science, Testing, and Engineering (ST&E) Base; High Explosives (HE) Research and Development (R&D); Infrastructure Support Facilities; Category I/II Special Nuclear Material (SNM) Storage; Nuclear Non-Proliferation; and Counter-Terrorism.

National Security Technologies, LLC (NSTec) focuses on facility upgrades to accommodate user demands for realistic environments to support research and development, equipment test and evaluation, individual and team training, comprehensive exercises, and intelligence support activities.

The NNSS will play a major role in contributing to national priorities. Scientists will be involved in developing countermeasures for nuclear terrorism and engaged in helping the Pentagon's effort to detect roadside bombs, and some other classified projects. The Device Assembly Facility (DAF) will be used to train International Atomic Energy Agency inspectors on detecting nuclear material production.

5.2 Core Capabilities

The Core Capabilities of the NNSS as identified by the NNSA are (C1) Design, Certification, Testing, Surveillance, and ST&E Base; (C5) HE Research and Development; (C9) Category I/II Special Nuclear Material Storage; (C11) Nuclear Non-Proliferation; (C12) Counter-Terrorism; and (C10) Infrastructure Support Facilities.

The near- and long-term visions of the NNSA/NSO for each core capability are discussed below.

5.2.1 Design, Certification, Testing, Surveillance, and ST&E Base

Near Term: (Fiscal Year [FY] 2012-2021)

NNSS Site-Wide – Significant investment is needed over this near-term period to modernize, restore, and improve the program facilities in order to maintain each of the NNSS Core Competencies that is not included in the annual site maintenance budget. NNSS is behind in implementation of Formality of Operations and all associated personnel and facility and management system deficiencies are not yet known. Projects submitted to Capability Based Facilities and Infrastructure (CBFI) will enable the NNSS and facilities to be ready to meet operational requirements to support program and project tasks.

DAF – The current and anticipated future DAF mission is to provide the necessary mission critical (MC) facilities for the National Weapons Laboratories (NWL) to conduct Stockpile Stewardship mission activities. The mission activities to be conducted include underground test readiness, subcritical experiment programs, disposition of nuclear weapons, experiments in support of national security interests, and staging of SNM.

The Criticality Experiments Facility (CEF) will become operational in DAF in FY 2011. The CEF is essential to create and test realistic scenarios involving nuclear material in a safe and controlled environment. The results of these tests quantify and help validate new calculations, test new monitoring equipment, train emergency responders and law enforcement agencies, and help develop new verification methods against the threat of nuclear weapons proliferation.

Deficiencies exist in the understanding and condition of key facility safety systems (i.e., fire suppression; electrical; heating, ventilation and air conditioning; etc.). Additional resources are required to update safety basis, criticality safety evaluations, systems evaluations, and corrective actions. Additional resources are also needed to implement formality of operations safety management programs.

U1a – The current and anticipated future U1a mission is to maintain the complex as a MC fully functional, cost-effective, and safe location for subcritical experiments. Los Alamos National Laboratory (LANL) has proposed subcritical experiments through the next several years at the U1a complex. If pending equivalency and exemptions are approved, U1a may not require major corrective actions. However, additional resources are necessary to field minimum personnel required throughout the year (without experimental program supplement). In addition, support is required to expand and maintain U1a – new safety basis, mining operations, expanded footprint, and parallel operations.

JASPER – The current and anticipated future JASPER mission is to conduct shock physics experiments on SNM and other actinide materials to provide key physics data necessary to meet NNSA/Defense Programs campaign milestones for primary classification, dynamic materials properties, and material lifetimes. Current 'Return to Program' activities are establishing the 'baseline' for Hazard Category 3 operations necessary to perform surrogate and plutonium experiments in-line with the Lawrence Livermore National Laboratory (LLNL) shot schedule and future experiments. Additional resources are required to support nuclear operations and maintain the facility for the remaining projected life.

Experimental Support Facilities – Aging infrastructure requires repair, but risks are minimal.

Program Readiness – Support for NNSS users will grow and multi-program support capabilities must be maintained. Additional resources are required to address critical skills vulnerability, equipment revitalization, and risk reduction.

Existing and Planned Projects are derived from NA-11 Science Campaign and Directed Stockpile Work (DSW) R&D programs. Projects are orientated at six primary areas: Primary Assessment Technologies, Dynamic Materials Properties, Advanced Radiography and Transformation Technologies, Secondary Assessment Technologies, Advanced Certification, and DSW R&D. The NNSS must maintain and update each of its testing and support facilities in order to support LANL, LLNL, and Sandia National Laboratories programs, experiments, and diagnostics.

Near Term Activities:

(Third quarter FY 2011 through fourth quarter FY 2012) - JASPER is currently supporting Hazard Category 3 nuclear start-up.

(Second quarter FY 2012) - DAF Downdraft table is scheduled to come on line. U1a is also available to continue providing support.

(First quarter FY 2013 through fourth quarter FY 2017) - Subcritical and Integrated Experiments will continue to be supported by the DAF and U1a complex.

(Second quarter FY 2015 through fourth quarter FY 2017) - Projected end of operations and transition/disposition of JASPER facility.

Long Term: (FY2022-2031)

The long-term vision for the NNSS Readiness in Technical Base and facilities (RTBF) program is to continue providing the NNSA with a safe, secure, and cost-effective environment in which to accomplish their missions. In order to do this, the NNSS RTBF program must anticipate and forecast the future long term use of the RTBF facilities. This includes developing innovative approaches, complying with new regulations, and implementing CBFI designated projects to improve existing facilities and infrastructure in order to execute planned future missions and support new assignments. JASPER is tentatively scheduled to end operations during FY 2015 with transition/disposition through FY 2017. In addition, U1a is scheduled for expansion in FY 2015 to support Integrated Experiments. Support for DAF and U1a will need to be increased to meet projected experiments.

5.2.2 High Explosives Research and Development

Near Term: (FY2012-2021)

The near-term vision of the HE facility is to ensure the availability and capability to safely and securely receive explosive shipments; store, process, and assemble explosives; or otherwise prepare and transport HE to various programs. HE facilities will be required throughout the life of the HE Programs.

Implementing CBFI projects will enable the HE facility to continue to provide the availability and capability to safely and securely receive explosive shipments; store, process, and assemble explosives; or otherwise prepare and transport HE to various programs. The DAF glove box may also be required to support Phoenix plutonium capability in FY 2014.

Long Term: (FY2022-2031)

The long-term vision for the HE facility is to continue providing the NNSA the availability and capability to safely and securely receive explosive shipments; store, process, and assemble explosives; or otherwise prepare and transport HE to various programs.

5.2.3 Category I/II Special Nuclear Material Storage

Near Term: (FY2012-2021)

The near-term vision of the DAF is to serve as a key NNSA mission critical facility to maintain national capabilities for stockpile stewardship criticality safety, nuclear materials management, emergency response, non-proliferation, nuclear materials safeguards, arms control, nuclear technologies, and nuclear weapons safety. This vision was expanded to include supporting the CEF and its associated security Category I and II nuclear material. This mission now occupies about 32 percent of the useable nuclear space in the DAF. In addition to CEF, the DAF also houses a glove box and targets for the JASPER gas gun and a down draft table that will be used to assemble subcritical experiments. Including common use areas, nuclear operations now occupy approximately 65 percent of the usable nuclear space at the DAF. Operations conducted for the program missions include assembling, disassembling, modifying, staging, handling, transporting, and non-explosive testing of nuclear explosives and components, subcritical test assemblies, and other special operations involving HE and/or radioactive materials. At the completion of the CEF, DAF will be used for critical experiments.

Long Term: (FY2022-2031)

The long-term vision of the DAF is to continue serving as a key NNSA mission critical facility to maintain national capabilities for stockpile stewardship criticality safety, nuclear materials management, emergency response, non-proliferation, nuclear materials safeguards, arms control, nuclear technologies, and nuclear weapons safety.

Operations conducted for the program missions will continue to include assembling, disassembling, modifying, staging, handling, transporting, and non-explosive testing of nuclear explosives and components, subcritical test assemblies, and other special operations involving HE and/or radioactive materials. DAF will be used to support subcritical experiments.

5.2.4 Infrastructure Support Facilities

The NNSS is a multi-program site and as such infrastructure support facilities (i.e., roads, utility systems, support buildings) must be maintained and/or upgraded as appropriate to effectively support and accommodate all current and anticipated program activities in a safe and reliable manner.

Near Term: (FY2012-2021)

The near-term vision for infrastructure support facilities (i.e., roads, utility systems, support buildings) is to upgrade and maintain existing infrastructure support facilities to meet mission needs of the NNSS.

In addition to maintaining and upgrading existing infrastructure support facilities, requirements of the CBFI subprogram have been reviewed, and proposed projects have been identified and submitted for CBFI consideration.

Projects submitted to CBFI will enhance the NNSS availability to be ready to meet operational requirements to support program and project tasks.

Also, the RTBF has been tentatively tasked to initiate support to Yucca Mountain in FY 2013. At this time, there is no clear scope of work, guidance, or direction for what type of support is required for Yucca Mountain.

Long Term: (FY2022-2031)

The long-term vision for Infrastructure Support Facilities consists of U1a, DAF, and HE facilities. U1a will continue to provide a fully functional, cost effective, and safe location for subcritical experiments. Due to the nature of missions conducted at the NNSS, new requirements beyond ten years are more difficult to predict with any degree of certainty. Relative to core programs associated with the DAF, HE facilities, and U1a, the long term mission needs will continue to require fully functional, cost-effective, and safe infrastructure support facilities. DAF's mission will continue to provide the necessary facilities for the NWL to conduct Stockpile Stewardship mission activities, including underground test readiness, subcritical experiment programs, disposition of nuclear weapons, experiments in support of national security interests, and staging of special nuclear material. The HE facility will continue to provide the availability and capability to safely and securely receive explosive shipments; store, process, and assemble explosives; or otherwise prepare and transport HE to various programs. U1a will be supported by both DAF and HE facilities.

The long-term vision is also to redevelop the Mercury Complex in a manner that will provide the necessary modern facilities and infrastructure to support testing, training, experimentation, and production at the NNSS that will be required by the Nuclear Weapons complex well into the 21st century.

5.2.5 Nuclear Non-Proliferation

Near Term: (FY2012-2021)

RTBF maintains and provides underground capabilities and support services (i.e., facilities, equipment, and personnel) as requested by other U.S. Government entities. RTBF also assists in the execution of Technical Nuclear Forensics Integration activities. G-Tunnel has been requested as the desired location to support an exercise by multiple government entities. G-Tunnel is maintained in an operational standby mode to support the mission of disposition of damaged nuclear weapons, terrorist nuclear weapons, improvised nuclear devices, and radiological dispersal devices. This mission includes staging and limited assessment of these devices, drills, and exercises.

Long Term: (FY2022-2031)

The long-term vision for supporting Nuclear Non-Proliferation is to continue providing underground capabilities and support services (i.e., facilities, equipment, and personnel) to execute programmatic tasks as requested by other U.S. Government entities. Nuclear Non-Proliferation will also continue to assist in the execution of Technical Nuclear Forensics Integration activities.

5.2.6 Counter-Terrorism

Near Term: (FY2012-2021):

Homeland Security and Defense Applications programs encompass non-proliferation technologies, non-stockpile related test and evaluation, and counter-terrorism activities with the following objectives:

- Provide emergency communications systems, capabilities, and databases to additional national and international agencies.
- Provide and expand services and support for non-proliferation technology.
- Provide facilities and capabilities to test and evaluate technology in support of national security technology-related development.
- Provide facilities and capabilities for training and exercises to support national security issues and first responders.
- Provide an active program to maintain and expand NNSS infrastructure to support counter-terrorism activities.
- Design, fabricate, and field rapid/rugged prototype capabilities to support emergency response in counter-terrorism.

Key facilities utilized to meet these objectives include: Remote Sensing Laboratory (RSL) located on both Nellis Air Force Base and Andrews Air Force Base; Special Technologies Laboratory located in Santa Barbara, CA; Non-Proliferation Test and Evaluation Complex; Radiological/Nuclear Countermeasures Test and Evaluation Complex; Sensor Test Beds; T-1 Training Area; live-fire ranges; and other facilities at the NNSS. These facilities make possible a rapid increase in the capability to provide the comprehensive testing, training, and exercise platforms required by the national security community needs.

Long Term: (FY2022-2031):

Future activities are fully dependent upon customer mission clarification and funding. However, it is expected that the Homeland Security and Defense Applications missions will continue to expand. Current facilities and training venues may require upgrade and modernization based on aging status. Additional facilities and training venues could be required depending on customer mission requirements or specialized needs.

Real Property Asset Management

Area 19 Kawich Canyon

10 Year Site Plan
Fiscal Year 2012

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6.0 Real Property and Asset Management (Appendix H)

The key element in the National Nuclear Security Administration Nevada Site Office's (NNSA/NSO's) ability to meet current and future program needs is ensuring a flexible and reliable facility and infrastructure mix. The Nevada National Security Site (NNSS) facilities must be able to support a return to underground nuclear testing, accept new campaigns and/or missions, and be cost effective. Target conditions for facilities and infrastructure over the next ten years are based on Readiness in Technical Base Facilities (RTBF) requirements, Maintenance Summits, and the resulting U.S. Department of Energy (DOE) NNSA corporate goals to reduce deferred maintenance on all facilities and infrastructure to industry standards and to reduce deferred maintenance on all mission-critical facilities and infrastructure to less than 5 percent of replacement plant value.

National Security Technologies, LLC (NSTec) is innovative in the adaptive reuse of buildings. However, many of these buildings have now reached the end of their useful lives, both structurally and technologically. Despite the vigorous program to excess aged unusable buildings, the Facilities and Infrastructure Management System indicates 77 percent of the NNSS building square footage is over 30 years old. This situation is exacerbated by a large number of temporary buildings that have been kept in operation for decades beyond their intended life.

Having a full understanding of the current condition of its facilities and infrastructure enables NSO/NSTec management to direct reinvestment decisions to accomplish the deferred maintenance goals.

Facility optimization at NNSA/NSO will be realized through a combination of activities, including footprint reduction and consolidation as funding becomes available.

Currently, NSTec is meeting all NNSA performance goals as related to Facility Condition Index (FCI). Overall FCI for all mission statuses are: Mission Critical: FCI < 5% by 2015; Mission Dependent: FCI <8% by 2015; Not Mission Dependent: Active: FCI <10% by 2015. Overall sustainment is in line with the NNSA performance goal: If Overall FCI >5%: Maintenance should be 3%-5% of Replacement Plant Value (RPV) or approximately $96 million.

RPV	$3,140	Million
DM	$ 205	Million
FCI	6.5%	

		FCI	Asset Utilization Index (AUI)	# of Assets	GSF Buildings and Trailers (000s)
Mission Dependency	Mission Critical	1.9%	91.6	29	372
	Mission Dependent	6.6%	90.8	448	1,232
	Not Mission Dependent	8.8%	94.3	767	1,266
Facility Use	Office	7.8%	88.5	74	805
	Warehouse	18.7%	89.7	109	382
	Laboratory	10.5%	71.0	41	614
	Hospital	9.2%	92.0	1	30
	Housing	10.0%	68.4	42	219

Data represents Fiscal Year 2010 Facility and Information System Year-End Snapshot Data (Template A) for five sites - Albuquerque, New Mexico; Mt. Brock, Nevada; North Las Vegas, Nevada; Nevada National Security Site, Nevada; and Santa Barbara, California

6.1 Site Footprint – Current and Future (Appendix I)

NSTec does not anticipate any major impacts to office, laboratory, or warehouse space as a result of ongoing transformation. Currently there is minimal planned disposition, but consolidation efforts will be considered.

There are 464 NNSA/NSO buildings and trailers that total more than 3,233,941 gross square feet (gsf) at the NNSS and auxiliary sites listed in the Facilities Information Management System (as of the end of fiscal year (FY) 2010 accounting).

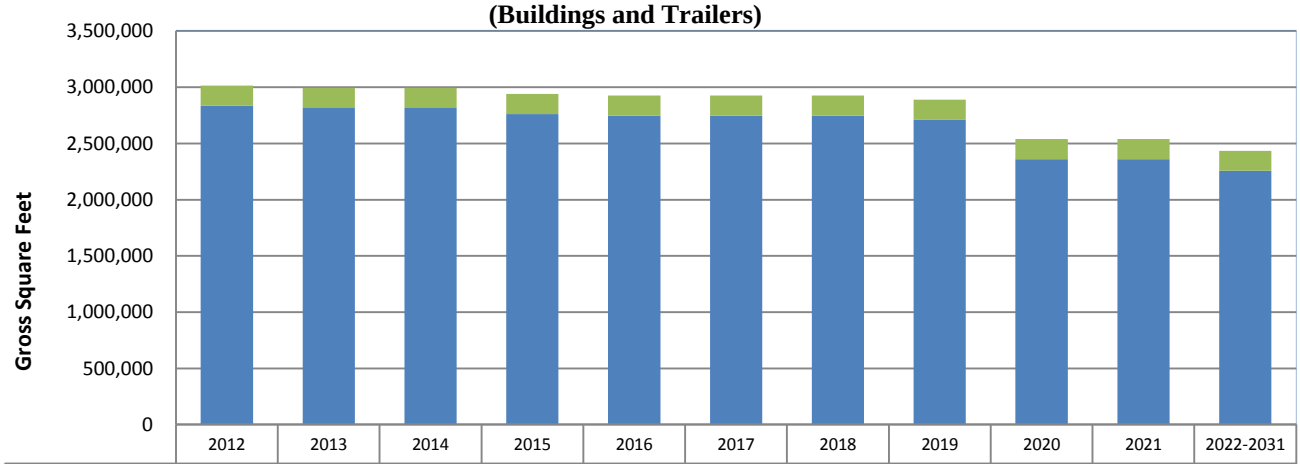
The NNSA/NSO owns or leases buildings at the North Las Vegas Facility (NLVF), the Remote Sensing Laboratory-Nellis, and the Remote Sensing Laboratory-Andrews (RSL-A), Livermore Operations (LO), Los Alamos Operations (LAO), and the Special Technologies Laboratory (STL). The respective owners of the leased facilities at LO and LAO are responsible for all facilities and infrastructure repairs. RSL-A is responsible for maintenance, most of which is sub-contracted. Buildings leased at the STL are maintained by NSTec.

The footprint for the NNSA/NSO owned buildings is 2,869,891 gsf. Appendix I includes projected Attachment E-1 data.

NSTec currently has six leases in outlying locations totaling approximately 180,000 gsf of building space. All leases were determined to be cost-effective at the time of execution. Prior to exercising any options for renewal, NSTec completes new market surveys and verifies that the pricing is still fair and reasonable. If a market survey identifies pricing that is not advantageous to the Government, alternative measures, such as a competitive proposal process, are considered with the participation of NSTec and NSO management.

The NNSS footprint is expected to decrease over the next 5 to10 years by approximately 475,000 gsf. There is potential to reduce the footprint by an additional 100,000 gsf over the next 20 years provided funding is received.

NNSS Footprint Projection (Buildings and Trailers)



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022-2031
Outgranted	-	-	-	-	-	-	-	-	-	-	-
Contractor Leased	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590
DOE/NNSA Leased	-	-	-	-	-	-	-	-	-	-	-
DOE/NNSA Owned	2,836,485	2,815,823	2,815,823	2,762,285	2,747,562	2,747,562	2,747,562	2,710,457	2,359,942	2,359,942	2,256,921

6.2 Deferred Maintenance and Facility Condition Index (Appendix J)

NSTec performs condition assessments on a five-year schedule. Due to reduced resources, facilities previously assessed on a three-year schedule have had their schedules extended to five years, the minimum requirement of the DOE Order 430.1B, "Real Property Asset Management." NSTec's inspection process is described in OP-G610.005, "Condition Assessment Survey (CAS) Program," dated January 14, 2011. A graded approach is applied according to the mission criticality of buildings to be assessed and the rigor of assessments based on the operational status of the building. NSTec uses the DOE/Headquarters' (HQ)-endorsed process based on the DOE CAS manuals and the HQ-managed condition assessment information system (CAIS) database. By using CAIS, NSTec is compliant by definition.

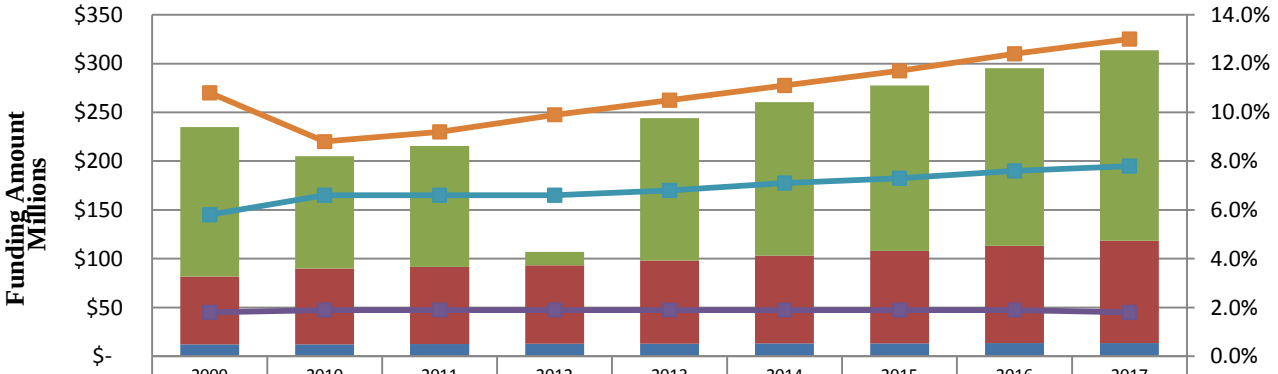
Facilities at NLVF, if regularly maintained, should remain fully functional to support current missions. Eight of the facilities were built in the late 1970s – mid 1980s, 13 in the late 1980s, and three after 1990. Due to the age of some facilities and buildings, major system replacements will be required during the plan period out years.

In FY 2010, the Deferred Maintenance (DM) reduction was $40 M (approximately $6.4M buydown was associated with the Facilities and Infrastructure Recapitalization Program). At the end of FY 2010, DM was $205M.

DM will continue to increase as the Facilities and Infrastructure Recapitalization Program sunsets in 2013 and no demolition funds are received. In the next five to ten years, electrical and heating, ventilation, and air conditioning systems in major facilities will have exceeded their design life and will be classified as failed in the CAIS. These classifications will probably cause the DM to double within 10 years. Maintenance funding will remain within the 2% performance goal and continue to support operating facilities (mission critical [MC], mission dependent not critical, and not mission dependent).

Most of the projects listed in the Recapitalization section of Appendix A are for MC facilities and have minimal DM. The proposed Capabilities Based Facilities and infrastructure (CBFI) program will have minimal effect on the DM reduction (20%) and FCI stabilization. Disposition will have a higher percentage impact on DM reduction and FCI stabilization with approximately $58M required for disposition. The reduction of square footage will also contribute to the Sustainability/Energy goals of reducing energy intensity.

Planned Real Property Expenditure by Mission Dependency



	2009	2010	2011	2012	2013	2014	2015	2016	2017
DM NMD	$153,112,000	$115,259,000	$123,889,000	$13,477,000	$146,019,000	$157,647,000	$169,664,000	$182,082,000	$194,912,000
DM MD	$69,294,000	$77,480,000	$79,022,000	$80,621,000	$85,174,000	$89,869,000	$94,714,000	$99,709,000	$104,860,000
DM MC	$12,368,000	$12,421,000	$12,605,000	$12,780,000	$12,957,000	$13,136,000	$13,317,000	$13,499,000	$13,683,000
FCI MC	1.8%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.8%
FCI MD	5.8%	6.6%	6.6%	6.6%	6.8%	7.1%	7.3%	7.6%	7.8%
FCI NMD	10.8%	8.8%	9.2%	9.9%	10.5%	11.1%	11.7%	12.4%	13.0%

Represent data from Attachment F-2, Sections 3a, 3b, and 3c

6.3 Project Timeline (Appendix K)

The Project Timeline template represents the proposed projects on: (1) Attachment A-2 and all the major Facilities and Infrastructure projects; (2) Attachments 3a, 3b, 3c, 3d-RTBF-CBFI; (3) Attachment A-4, Facilities and Infrastructure Recapitalization Projects; (4) Attachment A-5, Other Facilities and Infrastructure Funded; (6) Attachment A-6a, Funded Safeguards and Security, and (7) attachment A6-b, Proposed Safeguards and Security.

All major Facilities and Infrastructure Projects meet the Site's core capabilities.

Due to dynamic properties and uncertainties of the NNSS budgets, programs, facilities, site infrastructure, etc., the tables that follow only illustrate the nominal schedules of identified projects through approximately FY 2022. Many needs are projected beyond FY 2022, but the prioritized activities and projects that would be formulated for FY 2022 should and will be informed by the next 5-10 years of operations.

Nominal Schedule of Real Property Projects																				
FY	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
Current and Approved Line Items – per TYSP Attachment A-1																				
Device Assembly Facility (DAF) Lead-In Piping																				
Data Center Consolidation																				
Proposed NEW Line Items – per TYSP Attachment A-2																				
Mercury Complex Redevelopment																				
138 kV Power Transmission Line																				
Communication System Improvements																				
WSI Facility Consolidation																				
125MW Concentrated Solar Power Plant																				
RTBF/Operations of Facilities – per TYSP Attachment A-3																				
FY	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
DAF - Replace Existing X Ray Source Equipment																				
U1a -Mining Equipment Diesel Scrubbers																				
U1a - Access Control System Upgrade																				
DAF - Electrical System Upgrade (Elec. Auto. Trans. Switch)																				
U1a - Nuclear Facility Safety Authorization																				
U1a - Mining Capability Stewardship																				
HEF - Firing Site Capability Improvement																				
Atlas Disposition																				
NNSS Fire Alarm Relocation, A23 and A6																				
NNSS Install Water Meters-Enduring Buildings, A23																				
Roof Repairs, Sitewide																				
DAF - FSS Hydraulic Upgrades																				
U1a - Communication and Power System Upgrade																				
HEF Rehab and Repair Bunkers																				
NNSS Replace Waterlines																				
DAF - Overhead Hoist and Crane																				
U1a – Fire Protection Requirements																				
HEF - BEEF Electrical Schedule, as-built electrical drawings																				
DAF - Subcrit Support Upgrade																				
U1a - Water/sewer at Mine Rescue Station																				

RTBF/Operations of Facilities – per TYSP Attachment A-3																				
FY	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
DAF - Uninterruptible Power Supply Replacement																				
HEF - Split-level Tool Crib																				
DAF - Replace Lights																				
DAF - Replace Variable Frequency Drives and Reengineer/Correct Inaccessible Dampers and Ducts																				
HEF - Repair Camera Ports 4-480 purchase/install new camera																				
Disposition, Various Areas																				
NNSS Install Water Meters-Enduring Buildings, Sitewide																				
HEF - Area 27 Communications, Upgrade PA system																				
DAF - Evaporative Cooler in Mech. Equipment Building																				
U1a - Critical Systems Upgrade																				
JASPER Disposition																				
U1a Shaft Rehabilitation																				
U1a - Compressed Air Line																				
Water System Improvements, A27																				
DAF - Seismic Upgrades																				
HEF - Critical Systems Upgrade																				
Replace Well 5c/Army Well #1																				
DAF - Critical Systems Upgrade																				
Critical Support Facility Consolidation and Repairs																				
U1g Yard Demolition																				
NNSS Replace Single Pane Windows, Sitewide																				
DAF - Repair Diesel Generator Cooling Inlet																				
DAF - Interlocks																				
DAF - High Mast Replacement																				
DAF - METASYS Replacement																				
DAF - Replace Instrument Air Compressors/ Air Compressors																				
NNSS Replace HVAC Systems, A23																				
DAF - Modify Pintle Pin Cover for Exterior Doors																				
DAF - Upgrade Generator Controls																				
DAF - Domestic Water Supply																				
NNSS Install Energy Management Control System, A23																				
NNSS Install Energy Management Control System, Sitewide																				
Replace PIDS, Area 6 and 25																				
Disposition, Areas 6, 22, 23																				
NNSS Footprint Consolidation																				

Facilities and Infrastructure Recapitalization Projects – per TYSP Attachment A-4																				
FY	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**
NTS Upgrade Area 23, 4.16kV System to 12.47kV System Lines 5-8																				
NNSS Roof Repairs																				
Other Facilities & Infrastructure Projects – per TYSP Attachment A-5																				
Replace 1.7 Miles of 138kV Powerline at Hill 200																				
Funded Safeguards & Security Projects – per TYSP Attachment A-6a																				
None																				
Proposed Safeguards & Security Projects – per TYSP Attachment A-6b																				
None																				

6.4 Space Utilization and Consolidation/Relocation

A *Strategic Planning White Paper* and a *Space Management Plan* were developed in FY 2010 that present possible paths to support consolidation of the NNSS and its auxiliary sites. In addition, the NLVF Consolidation Master Plan is being developed with a completion date of July 2011. This Plan will detail six options for consolidation/relocation.

6.5 Sustainability/Energy

Sustaining viable facilities and infrastructure is critical to providing the foundation for accomplishing NNSA/NSO's primary mission: to support Stockpile Stewardship and related multi-program activities for the NNSA. Significant progress towards consolidating the NNSS has been achieved.

NSO is committed to the following sustainable acquisition goals:

- Ensuring that 95 percent of new contract actions, including task and delivery orders under new contracts and existing contracts, require the supply or use of products and services that are energy efficient (ENERGY STAR® or Federal Energy Management Program-designated), water efficient, biobased, environmentally preferable (including EPEAT-registered products), non-ozone depleting, contain recycled content, or are non-toxic or less toxic alternatives.
- Updating affirmative procurement plans (also known as green purchasing plans or environmentally preferable purchasing plans), policies, and programs to ensure that all federally-mandated designated products and services are included in all relevant acquisitions.

The NNSA/NSO Energy Management Program's goal is to implement the requirements of DOE Order 430.2B through reducing the use of energy and water in NNSA/NSO facilities by advancing energy efficiency, water conservation, and the use of solar and other renewable energy sources.

Most goals are being met or exceeded. In FY 2010, renewable energy credits were purchased to offset the lack of onsite renewable energy sources for FY 2010-2011. For detailed information pertaining to the Energy Program refer to the *FY 2011 NNSA/NSO Site Sustainability Plan.*

6.6 Security

As a result of the events of September 11, 2001, several programmatic initiatives were implemented to strengthen the safety and security at all facilities in the DOE/NNSA complex. They include permanent implementation of an increased security posture and several cumulative increases in defined adversary capabilities as reflected in the revisions to the Design Basis Threat policy and its successor the Graded Security Protection (GSP) policy. The NNSS has been certified compliant with the GSP as of October 2010. The Site is in the process of implementing a new series of NNSA policies that are intended to balance the need for adequate security against the accomplishment of NNSA missions.

The NNSA/NSO has demonstrated a strong commitment in support of Operations Security. Changing missions reduced funding and staffing, as well as global economic, technological, and terrorist threats call for new ways of doing business to remain effective in the Operations Security arena. NNSA/NSO continues to meet the challenge of protecting national security programs and its personnel. The NSO Operations Security program remains at the forefront of innovation and service and has become a cornerstone of the NNSA and DOE Operations Security programs, and an ardent supporter of the national Operations Security community. The award-winning NSO Operations Security program continues to be recognized as a leader in the NNSA, as it has been since 1994.

Professional Analysis, Inc., Protection Strategy and Facilitation Section provides the in-house vulnerability assessment capability at the NNSA/NSO. The Protection Strategy and Facilitation Section was challenged to develop a protection strategy compliant with the GSP, with the NNSS selected as a pilot site under a Zero Based Security Review program. The team developed this strategy in concert with a Peer Review Team and other stakeholders, including experts from the NNSA and DOE vulnerability assessment communities. The vulnerability assessment analysis results demonstrated solid understanding of the new goals and performance requirements under the GSP. These results were validated through Force on Force exercises. During FY-2011, additional vulnerability assessment efforts will focus on phase II of the GSP review process, with the goal of identifying barriers, weapons, and other technology upgrades that will

provide adequate protection of the DAF and its special nuclear materials at reduced lifecycle and operating costs.

6.6.1 Security Infrastructure

Three buildings make up a small complex adjacent to the NNSS main entrance. One building serves as the Headquarters for NNSS protective force activities and includes a "muster" room, male and female locker rooms, and logistics support operations. The badge office moved to provide the space for expansion of the male security police force locker room. This move allowed the renovation of the badging office area rest room facilities into the female security police officer locker room. A building located within Mercury is the primary administrative office, training operations coordination center, and general instruction facility for the NNSA/NSO Protective Force Training Academy complex. The installation of a new shoot house for Special Response Team training, a new Elevated Shoot Tower and a Special Response Team obstacle course were all completed. Installation of a facility to store and conduct Electronic Simulation Systems equipment and training is required. A modular classroom and two double-wide trailers for use as administrative offices have been installed.

In Area 6, several buildings support security activities in the forward areas. An ongoing project, scheduled for completion in November 2011, will expand the DAF Entry Guard Station to support the additional throughput anticipated with the startup of the Criticality Experiments Facility. This project will also install four new access control portals that are compatible with the ARGUS alarm and access control system, which is being replaced in FY 2011-2012.

The WSI Facility Consolidation project will provide for the consolidation of security facilities' operations and functions in an effort to ensure strong security and nuclear safety programs. This project is necessary to integrate security and safety, maximize collaboration of related organizations and functions, reduce the recurring carbon footprint associated with security operations and develop and employ new strategies and technologies for the 21st century.

The project responds to DOE Orders and Federal Codes and Standards, including DOE O 470.4a Safeguards and Security Program, DOE O 226.1a Implementation of Department of Energy Oversight Policy, and 10 CFR 851 Worker Safety and Health; Defense Nuclear Security Program; Master Security Plan; DOE Security Strategic Plan; NNSA Defense Nuclear Security Strategic Framework; and Graded Security Protection Policy.

Appendix A

Pahute Mesa Basin

10 Year Site Plan
Fiscal Year 2012

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Appendix A FY 2012 to 2021 Ten-Year Site Plan Attachments

Attachments A: Facilities and Infrastructure Cost Projection Spreadsheets

Attachment A: Facilities and Infrastructure Cost Projection Summary. This spreadsheet will present a summary of Attachments A-1 thru A-6b.

Attachment A-1: Facilities and Infrastructure Cost Projection Spreadsheet Line Item Projects. Line Item projects listed represent all NNSA Construction Working Group (CWG) reviewed Line Items and costs within FYNSP constraints on this spreadsheet and all non-NNSA and non-DOE Line Items grouped by sponsoring program and segregated from NNSA line items.

Attachment A-2: Proposed Facilities and Infrastructure Line Item Cost Projection Spreadsheet. This spreadsheet allows each site to propose new high-priority NNSA line item construction projects and resubmit updated construction projects previously not supported or prioritized by the CWG for Headquarters consideration.

Attachment A-3a: RTBF/Operations of Facilities (excludes Line Items). This spreadsheet represents baseline funding necessary to ensure safe, secure, reliable facility operations.

Attachment A-3b: RTBF/Capabilities Based Facilities and Infrastructure (CBIF) - Recapitalization (excludes Line Items). Provides funding to recapitalize, modernize, and refurbish facilities and infrastructure to support life extension projects and reduce mission risk.

Attachment A-3c: RTBF/CBIF - Disposition (excludes Line Items). This spreadsheet presents funding provided to remove footprint from the NNSA inventory that is non-process contaminated thru demolition, sale, transfer, etc.

Attachment A-3d: RTBF/CBIF – Sustainability (excludes Line Items). This spreadsheet presents funding provided for those projects identified in the NNSA/NSO Site Sustainability Plan and specific sustainability initiatives identified by NNSA HQ.

Attachment A-4: NNSA Facilities and Infrastructure Cost Projection Spreadsheet for Facilities and Infrastructure Recapitalization Program (FIRP). This spreadsheet is consistent with the FIRP Site Funding Targets and the FY 2012 -2016 President's Budget/FYNSP.

Attachment A-5: Other Facilities and Infrastructure Cost Projection Spreadsheet. This spreadsheet presents facilities and infrastructure projects associated with other NNSA funded facilities and infrastructure non-line item projects not reported in Attachments A-3 or A-4 and those for non-NNSA programs and activities.

Attachments A-6a: Security Infrastructure. The Attachment A-6a spreadsheet provides a corporate roll-up of ongoing Security Infrastructure projects to include a crosswalk of Security Infrastructure projects currently accepted for: 1) execution, to include funding for FY 2012 and 2) planning for FY 2012 and FY 2017; from Attachments A-1 through A-5.

Attachments A-6b: Security Infrastructure. The Attachment A-6b spreadsheet lists the planned unfunded projects for FY 2012 and FY 2013 only.

Attachments E: Facilities Disposition, New Construction, and Leased Space Spreadsheets

Attachment E-1: Facilities Disposition Plan. This spreadsheets include NNSA facilities that are currently excess to NNSA and those that will become excess in the FY 2012-2021 period.

Attachment E-2: New Construction Footprint Added. This spreadsheet reflects the gross square feet (gsf) of all approved and completed construction at the site, along with the year of beneficial occupancy, for Line Item, General Plant Project, Institutional General Plant Project, and other approved projects from 2012-2021.

Attachment E-3: FY 2010 Leased Space Nevada Test Site. This spreadsheet outlines the NNSA portfolio of FY 2011 leased space.

Attachment E-4a: Footprint Tracking Summary Spreadsheet and Chart-NNSA. Consists of spreadsheet and chart for NNSA.

Attachment E-4b: Footprint Summary Spreadsheet and chart - Multi-Program. Consists of spreadsheet and chart for Multi-program.

Attachments F: Legacy Deferred Maintenance Baseline and Projected Deferred Maintenance Reduction Spreadsheets

Attachment F-1: FIRP FY 2003 and 2004 Legacy Deferred Maintenance Baseline and Projected Deferred Maintenance Reduction from Baseline. This spreadsheet reflects the annual reductions to and current total of the legacy deferred maintenance baseline composed of FY 2003 and FY 2004 deferred maintenance.

Attachment F-2: Total Deferred Maintenance and Projected Deferred Maintenance Reduction. This spreadsheet reflects the annual total deferred maintenance. This spreadsheet presents maintenance values in terms of mission-critical facilities and infrastructure as well as the total replacement plant value for all facilities and infrastructure.

Attachment A Summary
Facilities and Infrastructure Cost Projection Spreadsheet
Projects for Nevada National Security Site (NNSS)
($000s)

Backup Sheet (Attachment)	Site Name	Title	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
A-1	NNSS	Costs for All NNSA Site Line Items	68,500	-	-	1,000	5,000	20,000	15,500	1,000	-	-	-	13,000	13,000	-	-	-	-	-	-	-	-	-	-
A-1	NNSS	Costs for ALL Non-NNSA Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-1	NNSS	Costs for ALL Non-NNSA Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	NNSS	Costs for All NNSA Site Line Items	782,500	-	-	-	-	-	47,500	73,000	125,600	126,400	60,000	200,000	150,000	-	-	-	-	-	-	-	-	-	-
A-2	NNSS	Costs for ALL Non-NNSA Environmental Management Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-2	NNSS	Costs for ALL Non-NNSA Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-3a	NNSS	RTBF/Operations of Facilities (Facilities & Infrastructure reported under this category)	710,885	-	-	97,559	115,697	114,840	126,847	129,156	126,786	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-3b	NNSS	RTBF/Capability Based Facilities & Infrastructure - Recapitalization Projects	124,700	-	-	-	8,600	10,400	16,700	13,700	14,000	21,900	16,000	11,700	11,700	-	-	-	-	-	-	-	-	-	-
A-3c	NNSS	RTBF/Capability Based Facilities & Infrastructure - Disposition Projects	58,000	-	-	-	500	3,500	1,000	3,500	5,500	-	2,000	7,000	14,000	9,000	12,000	-	-	-	-	-	-	-	-
A-3d	NNSS	RTBF/Capability Based Facilities & Infrastructure - Sustainability Projects	31,900	-	-	-	2,000	2,500	4,000	4,400	2,000	4,000	8,900	4,100	-	-	-	-	-	-	-	-	-	-	-
A-4	NNSS	Facilities and Infrastructure Recapitalization Program (FIRP)	28,781	13,421	8,930	6,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-5	NNSS	Costs for NNSA Stockpile Stewardship Program Other Facilities and Infrastructure Costs	4,160	-	400	1,760	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-5	NNSS	Costs for NNSA Department of Homeland Security Other Facilities and Infrastructure Costs	11,900	-	11,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-5	NNSS	Costs for ALL Non-NNSA Environmental Management Other Facilities and Infrastructure Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-5	NNSS	Costs for ALL Non-NNSA Other Facilities and Infrastructure Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL			1,821,326	13,421	21,230	106,749	133,797	151,240	211,547	224,756	273,886	152,300	86,900	235,800	188,700	9,000	12,000	-	-	-	-	-	-	-	-

Attachment A-1
Facilities and Infrastructure Line Item Cost Projection Spreadsheet
APPROVED Line Item Projects for NNSS
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS Property Sequence Number*	FIMS Facility Name*	FIRP Deferred Maintenance Identifier(s)	FIRP Legacy Deferred Maintenance Reduction	Deferred Maintenance Reduction	FIMS Mission Dependency	FIMS Mission Dependency Program	GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
(59)	(23)	(26)	(48)	(49)	(33)	(47)	(56)	(39)	(8)	(61)	(62)	(59)	(22)	(10)	(36)	(13)	(40)	(41)	(32)	(27)	(54)	(46)	(28)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
A. Readiness in Technical Base and Facilities (RTBF) Construction Line Items																																									
NNSS	2013	RTBF - LI	DAF Lead-in Piping (preconceptual upper range funding profile)		No	1		M1	C9	RC	None						MC	RTBF		OPC	2,500			1,000			500	1,000															
																				PE&D	5,000				5,000																	
																				LI	35,000					20,000	15,000															
																				Total (TPC)	42,500	-	-	1,000	5,000	20,000	15,500	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NNSS	2020	RTBF - LI	Data Center Consolidation		Yes	5		M6	C10	SY	None						MDNS	RTBF		OPC	-																					
																				PE&D	-																					
																				LI	26,000										13,000	13,000									
																			+20000	Total (TPC)	26,000	-	-	-	-	-	-	-	-	-	-	13,000	13,000	-	-	-	-	-	-	-	-	-
B. RTBF - Capability Based Facility and Infrastructure (CBFI) Infrastructure Line Items (ILI)																																									
NNSS		CBFI - ILI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C. Facilities and Infrastructure Recapitalization Program (FIRP) Line Items																																									
NNSS		FIRP - LI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
D. Safeguards & Security (S&S) Line Items																																									
NNSS		S&S - LI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E. Other Defense Programs Line Items (for example, Campaigns/Directed Stockpile Work (DSW))																																									
NNSS		Other DP - LI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				SubTotal																						
																				Costs for All NNSA Weapons Activities Account Line Items	68,500	-	-	1,000	5,000	20,000	15,500	1,000	-	-	-	13,000	13,000	-	-	-	-	-	-	-	-	-
F. Nuclear Nonproliferation (NN) Line Items																																									
NNSS		NN-LI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				Total																						
																				Costs for All NNSA Site Line Items	68,500	-	-	1,000	5,000	20,000	15,500	1,000	-	-	-	13,000	13,000	-	-	-	-	-	-	-	-	-
G. Non-NNSA Line Items - Other: Environmental Management																																									
NNSS		Non-NNSA - LI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				Total																						
																				Costs for non-NNSA Environmental Management Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H. Non-NNSA Line Items - Other: <provide Program name or descriptor>																																									
NNSS		Non-NNSA - LI	None																	OPC	-																					
																				PE&D	-																					
																				LI	-																					
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				Total																						
																				Costs for non-NNSA Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				Total	68,500	-	-	1,000	5,000	20,000	15,500	1,000	-	-	-	13,000	13,000	-	-	-	-	-	-	-	-	-

Attachment A-2
Facilities and Infrastructure Line Item Cost Projection Spreadsheet
PROPOSED Line Item Projects for Nevada National Security Site (NNSS)
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS		FIRP		Deferred Maintenance Reduction	FIMS		GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
												Property Sequence Number*	Facility Name*	Deferred Maintenance Identifier(s)	Legacy Deferred Maintenance Reduction		Mission Dependency	Mission Dependency Program																											
(59)	(23)	(26)	(49)	(49)	(33)	(47)	(56)	(39)	(8)	(61)	(62)	(50)	(22)	(10)	(36)	(13)	(40)	(41)	(32)	(27)	(64)	(46)	(28)	(29)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
A. Readiness in Technical Base and Facilities (RTBF) Construction Line Items																																											
NNSS	2015	RTBF-LI	Mercury Complex Redevelopment		No	2		M6	C10	RC	FD						MDNC	RTBF		OPC	-																								
																				PE&D	-																								
																				LI	318,000						27,000	53,000	82,000	96,000	60,000												
																			+400,000	Total (TPC)	318,000	-	-	-	-	-	27,000	53,000	82,000	96,000	60,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
NNSS	2015	RTBF-LI	New 138kV Power Transmission Event Corridor		No	3		M6	C10	RC	None						MDNC	RTBF		OPC	-																								
																				PE&D	-																								
																				LI	65,500						20,500	15,000	30,000														
																				Total (TPC)	65,500	-	-	-	-	-	20,500	15,000	30,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NNSS	2016	RTBF-LI	Communication System Improvements		No	4		M6	C10	RC	None						MDNC	RTBF		OPC	-																								
																				PE&D	-																								
																				LI	25,000						5,000	10,000	10,000														
																				Total (TPC)	25,000	-	-	-	-	-	-	5,000	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NNSS	2020	RTBF-LI	125MW Concentrated Solar Power Plant		Yes	6		M6	C10	SY	None						MDNC	RTBF		OPC	-																								
																				PE&D	-																								
																				LI	350,000									200,000	150,000												
																				Total (TPC)	350,000	-	-	-	-	-	-	-	-	200,000	150,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
B. RTBF - Capability Based Facility and Infrastructure (CBFI) Infrastructure Line Items (ILI)																																											
NNSS		CBFI - LI	None																	OPC	-																								
																				PE&D	-																								
																				LI	-																								
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. Facilities and Infrastructure Recapitalization Program (FIRP) Line Items																																											
NNSS		FIRP - LI	None																	OPC	-																								
																				PE&D	-																								
																				LI	-																								
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. Safeguards & Security (S&S) Line Items																																											
NNSS	2017	S&S - LI	WSI Facility Consolidation		No	1		M6	C13	RC	None						MDNC	DHS		OPC	-																								
																				PE&D	3,600								3,600														
																				LI	20,400									20,400												
																			+25,000	Total (TPC)	24,000	-	-	-	-	-	-	-	3,600	20,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
E. Other Defense Programs Line Items (for example, Campaigns/Directed Stockpile Work (DSW))																																											
NNSS		Other DP - LI	None																	OPC	-																								
																				PE&D	-																								
																				LI	-																								
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																				SubTotal																								
																				Costs for All NNSA Weapons Activities Account Line Items	782,500	-	-	-	-	-	47,500	73,000	125,600	126,400	60,000	200,000	150,000	-	-	-	-	-	-	-	-	-	-	-	
F. Nuclear Nonproliferation (NN) Line Items																																											
NNSS		NN-LI	None																	OPC	-																								
																				PE&D	-																								
																				LI	-																								
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																				Total																								
																				Costs for All NNSA Site Line Items	782,500	-	-	-	-	-	47,500	73,000	125,600	126,400	60,000	200,000	150,000	-	-	-	-	-	-	-	-	-	-	-	
G. Non-NNSA Line Items - Other: Environmental Management																																											
NNSS		Non-NNSA - EM LI	None																	OPC	-																								
																				PE&D	-																								
																				LI	-																								
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																				Total																								
																				Costs for non-NNSA EM Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
H. Non-NNSA Line Items - Other:																																											
NNSS		Non-NNSA - Program B LI	None																	OPC	-																								
																				PE&D	-																								
																				LI	-																								
																				Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																				Total																								
																				Costs for non-NNSA Line Items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
																				Total	782,500	-	-	-	-	-	47,500	73,000	125,600	126,400	60,000	200,000	150,000	-	-	-	-	-	-	-	-	-	-	-	

Note:
The purpose of this spreadsheet is to allow each Site to propose/forecast **NEW** high-priority NNSA line item construction projects and resubmit **UPDATED** construction projects previously notsupported or prioritized by the CWG for Headquarters consideration. Sites may propose projects that are above their FYNSP constraints. However, budget realities, program priorities, and other factors will limit/dictate which projects ultimately receive funding. Each site may also list its proposed Non-NNSA Program line item projects by program.

Attachment A-3a
Facilities and Infrastructure Project Cost Projection Spreadsheet
RTBF/Operations of Facilities Projects for Nevada National Security Site (NNSS)
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS		FIRP		Deferred Maintenance Reduction	FIMS		GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
												Property Sequence Number*	Facility Name*	Deferred Maintenance Identifier(s)	Legacy Deferred Maintenance Reduction		Mission Dependency	Mission Dependency Program																											
(59)	(23)	(26)	(48)	(49)	(33)	(47)	(56)	(39)	(9)	(61)	(62)	(50)	(22)	(10)	(36)	(13)	(40)	(41)	(32)	(27)	(64)	(46)	(29)	(29)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
NNSS		RTBF - OPS	RTBF Facilities and Operations		No			M1	C1	None	None										710,885			97,559	115,697	114,840	126,847	129,156	126,786																
TOTAL RTBFOperations of Facilities (Facilities & Infrastructure reported under this category)															-	-			-		**710,885**	**-**	**-**	**97,559**	**115,697**	**114,840**	**126,847**	**129,156**	**126,786**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	

* Column Headers in green - when applicable: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-3b
Facilities and Infrastructure Project Cost Projection Spreadsheet
RTBF/Capability Based Facilities & Infrastructure - **Recapitalization Projects for Nevada National Security Site (NNSS)**
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS		FIRP		Deferred Maintenance Reduction	FIMS		GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
												Property Sequence Number*	Facility Name*	Deferred Maintenance Identifier(s)	Legacy Deferred Maintenance Reduction		Mission Dependency	Mission Dependency Program																											
(59)	(23)	(26)	(48)	(49)	(33)	(47)	(56)	(39)	(8)	(61)	(62)	(50)	(22)	(10)	(36)	(13)	(40)	(41)	(32)	(27)	(64)	(46)	(29)	(29)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
NNSS	2013	CBFI - RCAP	DAF - Replace Existing X Ray Source Equipment	NNSS-11-005	No	1		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,500				1,500																			
NNSS	2013	CBFI - RCAP	U1a -Mining Equipment Diesel Scrubbers	NNSS-11-006	No	2		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		GPP	300				300																			
NNSS	2013	CBFI - RCAP	U1a - Access Control System Upgrade	NNSS-11-007	No	3		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		GPP	300				300																			
NNSS	2013	CBFI - RCAP	DAF - Electrical System Upgrade (Elec. Auto. Trans. Switch)	NNSS-11-008	No	4		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	2,500				1,000	1,500																			
NNSS	2013	CBFI - RCAP	U1a - Nuclear Facility Safety Authorization	NNSS-11-009	No	5		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		E	6,000				1,000	1,500	2,500	1,000																	
NNSS	2013	CBFI - RCAP	U1a - Mining Capability Stewardship	NNSS-11-010	No	6		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		E	5,000				1,000	2,000	2,000																	
NNSS	2013	CBFI - RCAP	HEF - Firing Site Capability Improvement	NNSS-11-011	No	7		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		GPP	2,000				1,500	500																			
NNSS	2013	CBFI - RCAP	NNSS Fire Alarm Relocation, A23 and A6	NNSS-11-012	No	9		M1	C10	RC	None	996841, 997075, 999340	Telecommunications, Old Fire Station No. 1 and No 2				MC	RTBF		GPP	2,800				1,500	1,300																			
NNSS	2014	CBFI - RCAP	Roof Repairs, Sitewide	NNSS-11-013	No	11		M1	C10	RC	None	Multiple*					MDNC	RTBF		E	7,500				500	1,000	1,000	1,000	1,000	1,000	2,000														
NNSS	2014	CBFI - RCAP	DAF - FSS Hydraulic Upgrades	NNSS-11-014	No	12		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,400					1,000	400																			
NNSS	2014	CBFI - RCAP	U1a - Communication and Power System Upgrade	NNSS-11-015	No	13		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		GPP	1,600					600	1,000																			
NNSS	2014	CBFI - RCAP	HEF Rehab and Repair Bunkers	NNSS-11-016	No	14		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		GPP	2,000					1,000	1,000																			
NNSS	2015	CBFI - RCAP	DAF - Overhead Hoist and Crane	NNSS-11-017	No	16		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	2,500						1,500	1,000																	
NNSS	2015	CBFI - RCAP	U1a – Fire Protection Requirements	NNSS-11-018	No	17		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		E	500						500																			
NNSS	2015	CBFI - RCAP	HEF - BEEF Electrical Schedule, as-built electrical drawings	NNSS-11-019	No	18		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		E	400						200	200																			
NNSS	2015	CBFI - RCAP	DAF - Subcrit Support Upgrade	NNSS-11-020	No	19		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		E	2,000						1,000	1,000																			
NNSS	2015	CBFI - RCAP	U1a - Water/sewer at Mine Rescue Station	NNSS-11-021	No	20		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		GPP	600						600																			
NNSS	2015	CBFI - RCAP	DAF - Uninterruptible Power Supply Replacement	NNSS-11-022	No	21		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	3,200						1,200		2,000																		

Attachment A-3b
Facilities and Infrastructure Project Cost Projection Spreadsheet
RTBF/Capability Based Facilities & Infrastructure - **Recapitalization Projects for Nevada National Security Site (NNSS)**
($000s)

Site Name (59)	Fiscal Year (23)	Fund Source (26)	Project Name or SSP Conservation Measure Name* (49)	Project Number or SSP FEMP Measure #* (49)	Included in the SSP? (Y/N) (33)	Priority (47)	Score (56)	Mission Code (39)	Core Capability Code (8)	Special Interest Code #1 (61)	Special Interest Code #2 (62)	FIMS		FIRP		Deferred Maintenance Reduction (13)	FIMS		GSF Added or Eliminated (32)	Fund Type (27)	Total (64)	Prior Years Funding (46)	FY 2011 Current (29)	FY 2012 FYNSP (29)	FY 2013 FYNSP (29)	FY 2014 FYNSP (29)	FY 2015 FYNSP (29)	FY 2016 FYNSP (29)	FY 2017 (30)	FY 2018 (30)	FY 2019 (30)	FY 2020 (30)	FY 2021 (30)	FY 2022 (30)	FY 2023 (30)	FY 2024 (30)	FY 2025 (30)	FY 2026 (30)	FY 2027 (30)	FY 2028 (30)	FY 2029 (30)	FY 2030 (30)	FY 2031 (30)	Notes (43)
												Property Sequence Number* (50)	Facility Name* (22)	Deferred Maintenance Identifier(s) (10)	Legacy Deferred Maintenance Reduction (36)		Mission Dependency (40)	Mission Dependency Program (41)																													
NNSS	2015	CBFI - RCAP	HEF - Split-level Tool Crib	NNSS-11-023	No	22		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		GPP	400						200	200																	
NNSS	2015	CBFI - RCAP	DAF - Replace Lights	NNSS-11-024	No	23		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,400						1,400																	
NNSS	2015	CBFI - RCAP	DAF - Replace Variable Frequency Drives and Reengineer/Correct Inaccessible Dampers and Ducts	NNSS-011-025	No	24		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,500						700	800																	
NNSS	2015	CBFI - RCAP	HEF - Repair Camera Ports 4-480 purchase/install new camera	NNSS-11-026	No	25		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		GPP	500						500																	
NNSS	2015	CBFI - RCAP	HEF - Area 27 Communications, Upgrade PA system	NNSS-11-027	No	28		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		GPP	400						200	200																	
NNSS	2015	CBFI - RCAP	DAF - Evaporative Cooler in Mech. Equipment Building	NNSS-11-028	No	29		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,600						800	800																	
NNSS	2016	CBFI - RCAP	U1a - Critical Systems Upgrade	NNSS-11-029	No	30		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		E	20,000							1,000	2,000	3,000	4,000	4,000	6,000												
NNSS	2016	CBFI - RCAP	U1a Shaft Rehabilitation	NNSS-11-030	No	32		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		GPP	1,000							1,000																	
NNSS	2016	CBFI - RCAP	U1a - Compressed Air Line	NNSS-11-031	No	33		M1	C1	RC	None	T00034	U1a Complex				MC	RTBF		GPP	500							500																	
NNSS	2016	CBFI - RCAP	Water System Improvements, A27	NNSS-11-032	No	34		M1	C10	RC	None						MDNC	RTBF		GPP	5,000							5,000																	
NNSS	2017	CBFI - RCAP	DAF - Seismic Upgrades	NNSS-11-033	No	35		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	6,000								3,000	3,000																
NNSS	2017	CBFI - RCAP	HEF - Critical Systems Upgrade	NNSS-11-034	No	36		M1	C5	RC	None		High Explosives Facilities				MC	RTBF		E	5,000								1,000	2,000	1,000	500	500											
NNSS	2017	CBFI - RCAP	Replace Well 5c/Army Well #1	NNSS-11-035	No	37		M1	C10	RC	None						MDNC	RTBF		GPP	4,900								2,000	2,900															
NNSS	2017	CBFI - RCAP	DAF - Critical Systems Upgrade	NNSS-11-036	No	38		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		E	16,000								1,500	2,500	2,000	5,000	5,000											
NNSS	2017	CBFI - RCAP	Critical Support Facility Consolidation and Repairs	NNSS-11-037	No	39		M1	C1	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	2,900								500	1,000	1,000	200	200											
NNSS	2017	CBFI - RCAP	U1g Yard Demolition	NNSS-11-038	No	40		M1	C1	RC	None	T00036	U1g Complex				MC	RTBF		E	500								500															
NNSS	2017	CBFI - RCAP	DAF - Repair Diesel Generator Cooling Inlet	NNSS-11-039	No	42		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	500								500															
NNSS	2018	CBFI - RCAP	DAF - Interlocks	NNSS-11-040	No	43		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,300									600	700														

Attachment A-3b
Facilities and Infrastructure Project Cost Projection Spreadsheet
RTBF/Capability Based Facilities & Infrastructure - **Recapitalization Projects for Nevada National Security Site (NNSS)**
($000s)

Site Name (59)	Fiscal Year (23)	Fund Source (26)	Project Name or SSP Conservation Measure Name* (48)	Project Number or SSP FEMP Measure #* (49)	Included in the SSP? (Y/N) (33)	Priority (47)	Score (56)	Mission Code (39)	Core Capability Code (9)	Special Interest Code #1 (61)	Special Interest Code #2 (62)	FIMS Property Sequence Number* (50)	FIMS Facility Name* (22)	FIRP Deferred Maintenance Identifier(s) (10)	FIRP Legacy Deferred Maintenance Reduction (36)	Deferred Maintenance Reduction (13)	FIMS Mission Dependency (40)	FIMS Mission Dependency Program (41)	GSF Added or Eliminated (32)	Fund Type (27)	Total (64)	Prior Years Funding (46)	FY 2011 Current (28)	FY 2012 FYNSP (29)	FY 2013 FYNSP (29)	FY 2014 FYNSP (29)	FY 2015 FYNSP (29)	FY 2016 FYNSP (29)	FY 2017 (30)	FY 2018 (30)	FY 2019 (30)	FY 2020 (30)	FY 2021 (30)	FY 2022 (30)	FY 2023 (30)	FY 2024 (30)	FY 2025 (30)	FY 2026 (30)	FY 2027 (30)	FY 2028 (30)	FY 2029 (30)	FY 2030 (30)	FY 2031 (30)	Notes (43)
NNSS	2018	CBFI - RCAP	DAF - High Mast Replacement	NNSS-11-041	No	44		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	800								400	400												
NNSS	2018	CBFI - RCAP	DAF - METASYS Replacement	NNSS-11-042	No	45		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	2,000								2,000													
NNSS	2018	CBFI - RCAP	DAF - Replace Instrument Air Compressors/ Air Compressors	NNSS-11-043	No	46		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,400								1,400													
NNSS	2018	CBFI - RCAP	DAF - Modify Pintle Pin Cover for Exterior Doors	NNSS-11-044	No	48		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,300								600	700												
NNSS	2018	CBFI - RCAP	DAF - Upgrade Generator Controls	NNSS-11-045	No	49		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,100								500	600												
NNSS	2018	CBFI - RCAP	DAF - Domestic Water Supply	NNSS-11-046	No	50		M1	C9	RC	None	202650	Device Assembly Facility				MC	RTBF		GPP	1,600								1,000	600												
NNSS	2019	CBFI - RCAP	Replace PIDS, Area 6 and 25	NNSS-11-047	No	53		M1	C10	RC	None	N001786	Substation 6-15				MDNC	RTBF		GPP	5,000									3,000	2,000											
TOTAL RTBF/Capability Based Facilities & Infrastructure - Recapitalization Projects (Facilities & Infrastructure reported under this category)															-	-			-		**124,700**	-	-	-	**8,600**	**10,400**	**16,700**	**13,700**	**14,000**	**21,900**	**16,000**	**11,700**	**11,700**	-	-	-	-	-	-	-	-	-	-	

* Column Headers in green - **when applicable**: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-3c
Facilities and Infrastructure Project Cost Projection Spreadsheet
RTBF/Capability Based Facilities & Infrastructure - Disposition Projects for Nevada National Security Site (NNSS)
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS		FIRP		Deferred Maintenance Reduction	FIMS		GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
												Property Sequence Number*	Facility Name*	Deferred Maintenance Identifier(s)	Legacy Deferred Maintenance Reduction		Mission Dependency	Mission Dependency Program																											
(69)	(23)	(26)	(49)	(49)	(33)	(47)	(56)	(39)	(8)	(61)	(62)	(50)	(22)	(10)	(36)	(13)	(40)	(41)	(32)	(27)	(64)	(46)	(28)	(29)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
NNSS	2013	CBFI-DISP	Atlas Disposition	NNSS-11-001	No	8		M1	C1	FD	None	06-922	Atlas Pulsed Power Facility				MC	RTBF	(20,662)	GPP	4,000				500	3,500																		
NNSS	2015	CBFI-DISP	Disposition, Various Areas	NNSS-09-997	No	26		M1	C10	FD	DM	202416, 202417, 407999, 408155, 408157, 408358, 408081, 408084, 408085, 408083, 408312, 408327	Subdock Office Building, Drilling Operations, Guard House, R-mad Warehouse, Experimental Test Lab, A25 Fire Station, Equipment, Motor Drive Building, Pump Shop, Cryogenic Lab, YMP Const Mgmt, Service Station			9,250	MDNC	RTBF	(53,538)	GPP	6,000						1,000	3,000	2,000															
NNSS	2016	CBFI-DISP	JASPER Disposition	NNSS-11-002	No	31		M1	C1	FD	None	201714, 996478, 996483, 996482, 202278, 202228, 202277, 997529, 783931	Pump House, Able Site Assembly, Transport Vehicle Garage, Storage/Training, Able Site Equip Rm, Storage, Able Site Support, Technical Shop			948	MDNC	RTBF	(14,723)	GPP	4,000							500	3,500														
NNSS	2019	CBFI-DISP	Disposition, Areas 6, 22, 23	NNSS-09-996	No	54		M1	C10	FD	DM	999384, 201671, 995723, 997003, 996830, 996831, 996832, 996833, 996834, 996835, 996836, 996837,	Dry Storage, Dry Storage/Office, Spotted Range Comm. Bldg., Social Center, Dormitory, Dormitory, Health Club, Dormitory, Dormitory, Dormitory, Day Room, Dormitory, Dormitory, Warehouse/RAP Storage Building			1,125	MDNC	RTBF	(37,105)	GPP	8,000																							
NNSS	2020	CBFI-DISP	NNSS Footprint Consolidation	NNSS-10-997	No	55		M1	C10	FD	DM	998604, 999606, 992062, 999989, 992068, 991847, 992073, 202678, 202173, 998059, 998624, 998820, 999340, 997808, 998659, 998660, 995758, 201913, 998661, 999289, 998643, 998634, 998641, 998638, 202458, 202503, 202510, 202538, 201855, 202171, 996998, 993291, 993292, 993293, 0215361, 2357052, 0422332, 2351608, 2189370, 2298263, 2189387,	Bunker, Bunker Service, Control Point 1, Power Facility Building, Control Point 10, Assembly Area, CP-18 Microwave Site, Batt and Generator Rm, Monitoring/Playback, Comm and Electronics, Los Alamos Light Lab, Auxiliary Systems, Old Fire Station 2, Control Point 95, Warehouse, Warehouse 150, Sheet Metal Shop, CP-182 Craft Shop, WSNSO Weather Observatory, Guard Station, Bunker, Underground Detection, Area 12 Cross Connect, Storage, RCMC Building (P), P-Portal Recording, Winch and Control Room, Hoist House, Microwave Station, Radiological Ops Storage Center, Foil Handling Source, Environ Restoration Field Office, Environ Restoration Field Office, Dormitory/QA, Expansion, Pump House/Restroom,All Storage Building,Covered Storage,Lab Support,Protective Coating Facility,Twin Towers,N-I Staging Facility,Mail Room			18,000	MDNC	RTBF	(185,697)	E	36,000												5,000	10,000	9,000	12,000										
RTBF/Capability Based Facilities & Infrastructure - Disposition Projects (Facilities & Infrastructure reported under this category)													**TOTAL**	-		29,323			(311,725)		58,000	-	-	-	500	3,500	1,000	3,500	5,500	-	2,000	7,000	14,000	9,000	12,000	-	-	-	-	-	-	-	-	

* Column Headers in green - **when applicable**: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-3d
Facilities and Infrastructure Project Cost Projection Spreadsheet
RTBF/Capability Based Facilities & Infrastructure - **Sustainability Projects for Nevada National Security Site (NNSS)**
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS		FIRP		Deferred Maintenance Reduction	FIMS		GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
												Property Sequence Number*	Facility Name*	Deferred Maintenance Identifier(s)	Legacy Deferred Maintenance Reduction		Mission Dependency	Mission Dependency Program																											
(59)	(23)	(26)	(48)	(49)	(33)	(47)	(56)	(39)	(8)	(61)	(62)	(50)	(22)	(10)	(36)	(13)	(40)	(41)	(32)	(27)	(64)	(46)	(29)	(29)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
NNSS	2013	CFBI - SUSY	NNSS Install Water Meters-Enduring Buildings, A23	NNSA-0121-0003	Yes	10		M6	C10	SY	None	*Multiple	See Reference							GPP	4,500				2,000	1,500	1,000																	
NNSS	2014	CFBI - SUSY	NNSS Replace Waterlines, A23	NNSA-0121-0002	Yes	15		M6	C10	SY	None									GPP	5,000					1,000	2,000	2,000																	
NNSS	2015	CFBI - SUSY	NNSS Install Water Meters-Enduring Buildings, Sitewide	NNSA-0121-0004	Yes	27		M6	C10	SY	None	*Multiple	See Reference							GPP	4,400						1,000	2,400	1,000																	
NNSS	2017	CFBI - SUSY	NNSS Replace Single Pane Windows, Sitewide	NNSA-0121-00014	Yes	41		M6	C10	SY	None	*Multiple	See Reference							GPP	4,000								1,000	3,000																
NNSS	2018	CFBI - SUSY	NNSS Replace HVAC Systems, A23	NNSA-0121-0033	Yes	47		M6	C10	SY	None	*Multiple	See Reference							GPP	4,000									1,000	3,000														
NNSS	2019	CFBI - SUSY	NNSS Install Energy Management Control System, A23	NNSA-0121-0009	Yes	51		M6	C10	SY	None	*Multiple	See Reference							GPP	4,900										3,900	1,000												
NNSS	2019	CFBI - SUSY	NNSS Install Energy Management Control System, Sitewide	NNSA-0121-0010	Yes	52		M6	C10	SY	None	*Multiple	See Reference							GPP	5,100										2,000	3,100												
TOTAL RTBF/Capability Based Facilities & Infrastructure - Sustainability Projects (Facilities & Infrastructure reported under this category)															-	-			-		31,900	-	-	-	2,000	2,500	4,000	4,400	2,000	4,000	8,900	4,100	-	-	-	-	-	-	-	-	-	-	

* Column Headers in green - **when applicable**: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-4
NNSA Facilities and Infrastructure Project Cost Projection Spreadsheet
Facilities and Infrastructure Recapitalization Program (FIRP) for Nevada National Security Site (NNSS)
($000s)

Site Name	Fiscal Year	Fund Source	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP Measure #*	Included in the SSP? (Y/N)	Priority	Score	Mission Code	Core Capability Code	Special Interest Code #1	Special Interest Code #2	FIMS		FIRP		Deferred Maintenance Reduction	FIMS		GSF Added or Eliminated	Fund Type	Total	Prior Years Funding	FY 2011 Current	FY 2012 FYNSP	FY 2013 FYNSP	FY 2014 FYNSP	FY 2015 FYNSP	FY 2016 FYNSP	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	Notes
												Property Sequence Number*	Facility Name*	Deferred Maintenance Identifier(s)	Legacy Deferred Maintenance Reduction		Mission Dependency	Mission Dependency Program																											
(59)	(23)	(26)	(48)	(49)	(33)	(47)	(56)	(39)	(8)	(61)	(62)	(50)	(22)	(10)	(38)	(13)	(40)	(41)	(32)	(27)	(64)	(46)	(28)	(29)	(29)	(29)	(29)	(29)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(30)	(43)
NNSS	2010	FIRP	NTS Replace Oil-Based PIDs, A12 North, A18, A19	NV-R-07-92	No	1	50	M6	C10	RC	DM			NTS-02-123	4,500		NMD	OTHER		GPP	5,000	5,000																					
NNSS	2010	FIRP	NTS Replace Oil-Based PIDs, A12 East & SW X-Fmr	NV-R-09-01	No	2	60	M6	C10	RC	DM			NTS-02-118	4,500		NMD	OTHER		GPP	4,372	3,211	1,161																					
NNSS	2010	FIRP	NTS Roof Repairs Phase 3	NV-R-07-01	No	3	45	M6	C10	RC	DM			NTS-03-039	500		NMD	OTHER		GPP	1,097	497	600																					
NNSS	2010	FIRP	NTS Replace A-27 Pump House	NV-R-11-615	No	4	40	M6	C10	RC	DM			NTS-02-097	380		MDNC	RTBF		GPP	4,228	3,947	281																					
NNSS	2010	FIRP	NTS Upgrade Area 23, 4.16kV System to 12.47kV System Lines 1-4	NV-R-11-533	No	5	45	M6	C10	RC	DM			NTS-03-047	3,000		MDNC	RTBF		GPP	6,726	766	5,960																					
NNSS	2011	FIRP	NTS Upgrade Area 23, 4.16kV System to 12.47kV System Lines 5-8	NV-R-11-01	No	6	45	M6	C10	RC	DM			NTS-03-048	3,000		MDNC	RTBF		GPP	6,670		928	5,742																					
NNSS	2012	FIRP	NTS Roof Repairs Phase 4	NNSS-09-023	No	7	45	M6	C10	RC	DM			NTS-03-039	25		NMD	OTHER		E	688			688																					
TOTAL FIRP Projects (Facilities & Infrastructure reported under this category)															15,905	-			-		28,781	13,421	8,930	6,430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

* Column Headers in green - **when applicable**: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-5
Facilities and Infrastructure Project Cost Projection Spreadsheet for Nevada National Security Site (NNSS)
($000s)

Site Name (59)	Fiscal Year (23)	Fund Source (26)	Project Name or SSP Conservation Measure Name* (48)	Project Number or SSP FEMP Measure # (49)	Included in the SSP? (Y/N) (33)	Priority (47)	Score (56)	Mission Code (39)	Core Capability Code (8)	Special Interest Code #1 (61)	Special Interest Code #2 (62)	FIMS		FIRP		Deferred Maintenance Reduction (13)	FIMS		GSF Added or Eliminated (32)	Fund Type (27)	Total (64)	Prior Years Funding (46)	FY 2011 Current (28)	FY 2012 FYNSP (29)	FY 2013 FYNSP (29)	FY 2014 FYNSP (29)	FY 2015 FYNSP (29)	FY 2016 FYNSP (29)	FY 2017 (30)	FY 2018 (30)	FY 2019 (30)	FY 2020 (30)	FY 2021 (30)	FY 2022 (30)	FY 2023 (30)	FY 2024 (30)	FY 2025 (30)	FY 2026 (30)	FY 2027 (30)	FY 2028 (30)	FY 2029 (30)	FY 2030 (30)	FY 2031 (30)	Notes (43)
												Property Sequence Number* (50)	Facility Name* (22)	Deferred Maintenance Identifier(s) (10)	Legacy Deferred Maintenance Reduction (36)		Mission Dependency (40)	Mission Dependency Program (41)																													
A. NNSA Facilities and Infrastructure Cost Projection Spreadsheet (Stockpile Stewardship)																																													
NNSS	11	Indirect	++Replace 1.7 Miles of 138kV Power Transmission Line at Hill 200	NNSS-10-010	No	1		M1	C10	RC	None						MDNC	RTBF		IGPP	4,160		400	1,760	2,000																							
Sub-Total Costs for NNSA Stockpile Stewardship (facilities & infrastructure reported under this category)															-	-			-		4,160	-	400	1,760	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
B. NNSA Facilities and Infrastructure Cost Projection Spreadsheet (Safeguards & Security)																																													
NNSS	11	FS	**DAF EGS Expansion	NNSS-11-003	No	2		M1	C5	RC	None						MC	RTBF	1,000	GPP	3,500		3,500																							
NNSS	11	FS	**DAFARGUS Installation	NNSS-11-004	No	3		M1	C5	RC	None						MC	RTBF		GPP	8,400		8,400																							
Sub-Total Costs for NNSA Safeguards & Security (facilities & infrastructure reported under this category)															-	-			1,000		11,900	-	11,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. Non-NNSA Facilities and Infrastructure Cost Projection Spreadsheet (Environmental Management)																																													
NNSS			NONE																																											
Sub-Total Costs for Non-NNSA Environmental Mangement (facilities & infrastructure reported under this category)															-	-			-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. Non-NNSA Facilities and Infrastructure Cost Projection Spreadsheet (Program B)																																													
NNSS			NONE																																											
Sub-Total Costs for Non-NNSA Program B (facilities & infrastructure reported under this category)															-	-			-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Costs for facilities & infrastructure reported under this category															-	-			1,000		16,060	-	12,300	1,760	2,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

* Column Headers in green - **when applicable**: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-6(a) - FY 2011 - FY 2017
NNSA Facilities and Infrastructure Cost Projection Spreadsheet
Currently FUNDED or APPROVED Security Infrastructure Projects for Nevada National Security Site (NNSS)
($000s)

Priority (47)	Fiscal Year (23)	Project Name or SSP Conservation Measure Name* (48)	Project Number or SSP FEMP Measure #* (49)	Mission Dependency (40)	Mission Dependency Program (41)	Total (64)	Planned Funding Source (26)								
							Line Item A-1	RTBF-OPS A-3a	RTBF-CBFI-RCAP A-3b	RTBF-CBFI-DISP A-3c	RTBF-CBFI-SUSY A-3d	FIRP A-4	Other A-5	DBT Related? Y or N	Funded or Approved?
FY 2011 Projects															
1	2011	DAF EGS Expansion		**NMD**		3,500							X	**N**	Funded
2	2011	DAFARGUS Installation		**NMD**		8,400							X	**N**	Funded
FY 2012 Projects-None															
FY 2013 Projects-None															
FY 2014 Projects-None															
FY 2015 Projects-None															
FY 2016 Projects-None															
FY 2017 Projects-None															

Note: Prioritize for each Fiscal Year (FY11, FY12 and FY13) in sequential order site Security Infrastructure projects/activities.

* Column Headers in green - **when applicable**: data from the FY 2010 Sites Sustainability Plan / Consolidated Energy Data Report (SSP/CEDR) and/or the Facilities Information Management System (FIMS)

Attachment A-6(b) - FY 2011 - FY 2017
NNSA Facilities and Infrastructure Cost Projection Spreadsheet
Currently UN-FUNDED Security Infrastructure Projects for Nevada National Security Site (NNSS)
($000s)

Priority (47)	Fiscal Year (23)	Project Name or SSP Conservation Measure Name* (48)	Project Number or SSP FEMP Measure #* (49)	Mission Dependency (40)	Mission Dependency Program (41)	Total (64)	Planned Funding Source (26)								
							Line Item A-1	RTBF-OPS A-3a	RTBF-CBFI-RCAP A-3b	RTBF-CBFI-DISP A-3c	RTBF-CBFI-SUSY A-3d	FIRP A-4	Other A-5	DBT Related? Y or N	Funded or Approved?
FY 2011 Projects-None															
FY 2012 Projects-None															
FY 2013 Projects-None															
FY 2014 Projects-None															
FY 2015 Projects-None															
FY 2016 Projects-None															
1	2017	WSI Facility Consolidation		**MDNC**	DHS	24,000	X							**N**	

Note: Prioritize for each Fiscal Year (FY11, FY12 and FY13) in sequential order site Security Infrastructure projects/activities.

Attachment E-1
Footprint - Disposition Plan for Nevada National Security Site (NNSS)
FY 2012 - FY2021

Fiscal Year	Priority	Score	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP	Funding Source	Funding Type	Deferred Maintenance Identifier	Legacy Deferred Maintenance Reduction	Deferred Maintenance	DM FIMS	Per FIMS: Property Sequence Number	Facility ID Number	Facility Name	Property Type (B/L/S/T)	Ownership	Mission Dependency	Mission Dependency Program	Status	Gross Square Feet (GSF)	Excess Indicator (Yes/No)	Excess Year	Estimated Disposition Year	Actual Annual Maintenance Cost	Yearly S&M Costs	Total Estimated Disposition Cost (TEC)	Contaminated (Yes/No)	Included in the SSP? (Yes/No)	Notes
(23)	(47)	(56)	(48)	(49)	(26)	(27)	(10)	(36)	(13)		(50)	(21)	(22)	(51)	(45)	(40)	(41)	(63)	(32)	(18)	(19)	(16)	(1)	(68)	(64)	(7)	(33)	(43)
2010	1	36			EM		25-3110			$ 24,568,672	408154	25-3110	R-MAD Facility	B	DOE Owned	NMD	EM	Demolished	14,727	Yes	2010	2010			$ 9,400,000	Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
2010	2						50-340			$ -	N007614	50-340	Commack New York Office	B	Contractor Leased	NMD	RTBF	Lease Expiration	1,000	Yes	2010	2010			$ -	No	No	Lease Expiration
FY 2010 Subtotal								**$ -**	**$ -**	**$ 24,568,672**									**15,727**				**$ -**	**$ -**	**$ 9,400,000**			
2011	3	36			EM		26-2201			$ 9,080,000	993036	26-2201	Pluto Disassembly Building	B	DOE Owned	NMD	EM	Demolished	22,222	Yes	2011	2011			$ 8,000,000	No	No	HAZ-4 Beryllium Legacy Site
2011	4	36	Test Cell C		EM		25-3210			$ 11,328,392	408080	25-3210	Test Cell C	B	DOE Owned	NMD	EM	Shutdown Pending Disposal	11,104	Yes	2011	2011				Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
2011	5		Employee Assist Center		Other					$ -	N007557	87-400-202	Employee Assist Center Shadow Lane	B	Contractor Leased	MDNC	RTBF	Lease Expiration	1,778	Yes	2011	2011			$ -	No	No	
2011	6		Security Guard Post		Other		25-3902			$ 60,378	408476	25-3902	Security Guard Post	B	DOE Owned	NMD	EM	Shutdown Pending Disposal	80	Yes	2011	2011				No	No	
FY 2011 Subtotal								**$ -**	**$ -**	**$ 20,468,770**									**35,184**				**$ -**	**$ -**	**$ 8,000,000**			
2013	7		Atlas Disposition	NNSS-11-001	CBFI		06-922		763	$ 763	B104049	06-922	Atlas Pulsed Power Facility	B	DOE Owned	NMD	RTBF	Operating	20,662	No		2013	$ 293,596	$ 521,132	$ 4,000,000	No	No	
FY 2013 Subtotal								**$ -**	**$ 763**	**$ 763**									**20,662**				**$ 293,596**	**$ 521,132**	**$ 4,000,000**			
2015	8	36	Disposition, Various Areas	NNSS-09-997	CBFI		01-101		365	$ 404,803	202416	01-101	Subdock Office Building	B	DOE Owned	MDNC	RTBF	Operating	7,215	No		2015	$ -	$ 68,914	$ 7,124,000	No	No	
2015	9	36		NNSS-09-997	CBFI		01-102		339	$ 378,669	202417	01-102	Drilling Operations	B	DOE Owned	MDNC	RTBF	Operating	7,200	No		2015	$ -	$ 68,771		No	No	
2015	10	36		NNSS-09-997	CBFI		25-3108		0	$ 62,839	407999	25-3108	Guard House	B	DOE Owned	NMD	DOD	Operating	63	No		2015	$ -	$ 2,393		No	No	
2015	11	36		NNSS-09-997	CBFI		25-3111			$ 1,265,901	408155	25-3111	R-Mad Warehouse	B	DOE Owned	NMD	OTHER	Shutdown Pending Disposal	11,760	No		2015	$ -	$ 59,560		No	No	
2015	12	36		NNSS-09-997	CBFI		25-3124			$ 1,748,795	408157	25-3124	Experimental Test Lab	B	DOE Owned	NMD	OTHER	Shutdown Pending Transfer	4,092	No		2015	$ -	$ 78,423		No	No	HAZ-4 Beryllium Legacy Site
2015	13	36		NNSS-09-997	CBFI		25-3153			$ 940,345	408358	25-3153	Area 25 Fire Staiton	B	DOE Owned	NMD	OTHER	Shutdown Pending Disposal	5,233	No		2015	$ -	$ 44,172		No	No	
2015	14	36		NNSS-09-997	CBFI		25-3220			$ 2,579,849	408081	25-3220	Equipment	B	DOE Owned	NMD	OTHER	Shutdown Pending Transfer	7,788	No		2015	$ -	$ 114,963		No	No	
2015	15	36		NNSS-09-997	CBFI		25-3230			$ 411,095	408084	25-3230	Motor Drive Building	B	DOE Owned	NMD	OTHER	Shutdown Pending Transfer	3,819	No		2015	$ -	$ 20,291		No	No	
2015	16	36		NNSS-09-997	CBFI		25-3231			$ 270,307	408085	25-3231	Pump Shop	B	DOE Owned	NMD	OTHER	Shutdown Pending Disposal	816	No		2015	$ -	$ 12,509		No	No	
2015	17	36		NNSS-09-997	CBFI		25-3232			$ 620,541	408083	25-3232	Cryogenic Lab	B	DOE Owned	NMD	OTHER	Shutdown Pending Transfer	1,452	No		2015	$ -	$ 36,427		No	No	
2015	18	36		NNSS-09-997	CBFI		25-4314			$ 332,536	408312	25-4314	YMP Const Mgmt	B	DOE Owned	NMD	OFO	Shutdown Pending Disposal	1,728	No		2015	$ -	$ 15,601		No	No	
2015	19	36		NNSS-09-997	CBFI		25-4838			$ 236,201	408327	25-4838	Service Station	B	DOE Owned	NMD	OFO	Shutdown Pending Disposal	2,372	No		2015	$ -	$ 108,774		No	No	
FY 2015 Subtotal								**$ -**	**$ 704**	**$ 9,251,881**									**53,538**				**$ -**	**$ 630,798**	**$ 7,124,000**			
2016	20		JASPER Disposition	NNSS-11-002	CBFI					$ 185,250	201714	27-201714	Pump House	B	DOE Owned	MDNC	RTBF	Operating	192	No		2016	$ 257,082	$ 3,577	$ 4,649,000	Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
2016	21			NNSS-11-002	CBFI					$ 270,214	996478	27-5100	Able Site Assembly	B	DOE Owned	MC	RTBF	Operating	4,282	No		2016	$ 886,624	$ 260,981		No	No	HAZ 3
2016	22			NNSS-11-002	CBFI					$ 24,595	996483	27-5110	Transport Vehicle Garage	B	DOE Owned	MDNC	RTBF	Operating	1,624	No		2016	$ -	$ 30,287		No	No	HAZ-3
2016	23			NNSS-11-002	CBFI					$ 171,149	996482	27-5150	Storage/Training	B	DOE Owned	MDNC	RTBF	Operating	2,771	No		2016	$ 271,084	$ 35,537		Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
2016	24			NNSS-11-002	CBFI					$ 31,291	202278	27-5180	Able Site Equip Rm	B	DOE Owned	MC	RTBF	Operating	1,030	No		2016	$ 73,932	$ 62,823		No	No	HAZ-3
2016	25			NNSS-11-002	CBFI					$ 78,688	202228	27-5180A	Storage	B	DOE Owned	MC	RTBF	Operating	96	No		2016	$ -	$ 616		Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
2016	26			NNSS-11-002	CBFI					$ 30,443	202277	27-5191	Able Site Support	B	DOE Owned	MC	RTBF	Operating	870	No		2016	$ 226,277	$ 18,216		No	No	HAZ-3
2016	27			NNSS-11-002	CBFI					$ 155,875	997529	27-5200	Technical Shop	B	DOE Owned	MDNC	RTBF	Operating	3,858	No		2016	$ 311,224	$ 80,778		Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
FY 2016 Subtotal								**$ -**	**$ -**	**$ 947,505**									**14,723**				**$ 2,026,223**	**$ 492,815**	**$ 4,649,000**			
2019	28	34	Disposition, Area 6, 22, 23	NNSS-09-996	CBFI		06-636		123	$ 131,320	999384	06-636	Dry Storage	B	DOE Owned	NMD	Other	Operating	2,140	No		2019	$ -	$ 11,091	$8,000,000	No	No	
2019	29	34		NNSS-09-996	CBFI		06-636A		6	$ 6,199	201671	06-636A	Dry Storage/Office	B	DOE Owned	NMD	Other	Operating	74	No		2019	$ -	$ 384		No	No	
2019	30	34		NNSS-09-996	CBFI		22-2210		5	$ 5,257	995723	22-2210	Spotted Range Comm Building	B	DOE Owned	NMD	Other	Operating	144	No		2019	$ -	$ 1,596		No	No	
2019	31	34		NNSS-09-996	CBFI		23-517		268	$ 294,557	997003	23-517	Social Center	B	DOE Owned	NMD	Other	Operating	8,338	No		2019	$ -	$ 82,333		No	No	
2019	32	34		NNSS-09-996	CBFI		23-675	417		$ 40,497	996830	23-675	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 60,364	$ 29,105		No	No	
2019	33	34		NNSS-09-996	CBFI		23-676	482		$ 37,983	996831	23-676	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 28,384	$ 29,105		No	No	
2019	34	34		NNSS-09-996	CBFI		23-677	142		$ 159,504	996832	23-677	Dormitory	B	DOE Owned	NMD	Other	Operating	981	No		2019	$ 20,586	$ 9,426		No	No	
2019	35	34		NNSS-09-996	CBFI		23-678	488		$ 47,215	996833	23-678	Health Club	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 12,406	$ 29,105		No	No	
2019	36	34		NNSS-09-996	CBFI		23-679	482		$ 63,282	996834	23-679	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 6,409	$ 29,105		No	No	
2019	37	34		NNSS-09-996	CBFI		23-680	480		$ 39,448	996835	23-680	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 4,598	$ 29,105		No	No	

Attachment E-1
Footprint - Disposition Plan for Nevada National Security Site (NNSS)
FY 2012 - FY2021

Fiscal Year	Priority	Score	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP	Funding Source	Funding Type	Deferred Maintenance Identifier	Legacy Deferred Maintenance Reduction	Deferred Maintenance	Per FIMS												Yearly S&M Costs	Total Estimated Disposition Cost (TEC)	Contaminated (Yes/No)	Included in the SSP? (Yes/No)	Notes
										DM FIMS	Property Sequence Number	Facility ID Number	Facility Name	Property Type (B/L/S/T)	Ownership	Mission Dependency	Mission Dependency Program	Status	Gross Square Feet (GSF)	Excess Indicator (Yes/No)	Excess Year	Estimated Disposition Year	Actual Annual Maintenance Cost					
(23)	(47)	(56)	(48)	(49)	(26)	(27)	(10)	(36)	(13)		(50)	(21)	(22)	(51)	(45)	(40)	(41)	(63)	(32)	(18)	(19)	(16)	(1)	(68)	(64)	(7)	(33)	(43)
2019	38	34		NNSS-09-996	CBFI		23-681	480		$ 51,180	996836	23-681	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 9,500	$ 29,105		No	No	
2019	39	34		NNSS-09-996	CBFI		23-682	156		$ 135,472	996837	23-682	Day Room	B	DOE Owned	NMD	Other	Operating	981	No		2019	$ 6,953	$ 9,426		No	No	
2019	40	34		NNSS-09-996	CBFI		23-683	389		$ 43,361	996838	23-683	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 15,582	$ 29,105		No	No	
2019	41	34		NNSS-09-996	CBFI		23-684	454		$ 48,043	996839	23-684	Dormitory	B	DOE Owned	NMD	Other	Operating	3,029	No		2019	$ 13,578	$ 29,105		No	No	
2019	42	34		NNSS-09-996	CBFI		23-W7A	25		$ 21,690	997079	23-W7A	Warehouse/RAP Storage Building	B	DOE Owned	NMD	Other	Shutdown Pending Disposal	215	No		2019	$ -	$ 1,081		No	No	
FY 2019 Subtotal								**$ 3,995**	**$ 402**	**$ 1,125,008**									**37,105**				**$ 178,360**	**$ 348,177**	**$ 8,000,000**			
2020	43	36	EMAD Disposition		EM		25-3900			$ -	301839	25-3900	EMAD	B	DOE Owned	NMD	EM	Shutdown Pending D&D	164,818	No		2020	$ -	$ 8,108,148	$ 14,000,000	Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site
2020	44		NNSS Footprint Consolidation	NNSS-10-997	CBFI		02-300			$ 1,617,341	998604	02-300	Bunker		DOE Owned	NMD	Other	Deactivation	1,920	No		2020	$ -	$ 80,397	$ 36,000,000	No	No	
2020	45			NNSS-10-997	CBFI		03-300			$ 977,143	998606	03-300	Bunker Service	B	DOE Owned	NMD	Other	Deactivation	1,160	No		2020	$ -	$ 58,078		No	No	
2020	46			NNSS-10-997	CBFI		06-CP-1			$ 1,256,095	992062	06-CP-1	Control Point 1	B	DOE Owned	MDNC	RTBF	Operating	31,366	No		2020	$ 1,065,088	$ 786,521		No	No	Server farm, control, and monitoring room must be relocated, communications hub must be re-established.
2020	47			NNSS-10-997	CBFI		06-CP-3			$ 170,832	999989	06-CP-3	Power Facility Building	B	DOE Owned	MDNC	RTBF	Operating	349	No		2020	$ 73,370	$ 5,921		No	No	
2020	48			NNSS-10-997	CBFI		06-CP-10			$ 286,873	992068	06-CP-10	Control Point 10	B	DOE Owned	NMD	Other	Shutdown Pending Disposal	2,665	No		2020	$ -	$ 13,812		No	No	
2020	49			NNSS-10-997	CBFI		06-CP-10A			$ 306,115	991847	06-CP-10A	Assembly Area	B	DOE Owned	NMD	Other	Shutdown Pending Disposal	400	No		2020	$ -	$ 15,195		No	No	
2020	50			NNSS-10-997	CBFI		06-CP-18			$ 42,148	992073	06-CP-18	CP-18 Microwave Site	B	DOE Owned	MDNC	RTBF	Operating	600	No		2020	$ 77,309	$ 6,856		No	No	
2020	51			NNSS-10-997	CBFI		06-CP-18A			$ 2,864	202678	06-CP-18A	Batt and Generator Room	B	DOE Owned	NMD	Other	Operating	330	No		2020	$ 4,308	$ 5,599		No	No	
2020	52			NNSS-10-997	CBFI		06-CP-20			$ 397,180	202173	06-CP-20	Monitoring/Playback	B	DOE Owned	NMD	Other	Deactivation	1,199	No		2020	$ -	$ 20,268		No	No	
2020	53			NNSS-10-997	CBFI		06-CP-40			$ 561,619	998059	06-CP-40	Comm. and Electronics	B	DOE Owned	MDNC	RTBF	Operating	7,644	No		2020	$ 177,189	$ 87,341		No	No	
2020	54			NNSS-10-997	CBFI		06-CP-45			$ 592,023	998624	06-CP-45	Los Alamos Light Lab	B	DOE Owned	MDNC	RTBF	Deactivation	19,166	No		2020	$ 12	$ 178,194		No	No	
2020	55			NNSS-10-997	CBFI		06-CP-60			$ 170,623	998820	06-CP-60	Auxiliary Systems	B	DOE Owned	NMD	Other	Deactivation	2,337	No		2020	$ -	$ 55,675		No	No	
2020	56			NNSS-10-997	CBFI		06-CP-70			$ 5,065,745	999340	06-CP-70	Old Fire Station 2	B	DOE Owned	MDNC	RTBF	Operating	5,022	No		2020	$ 128,995	$ 43,797		No	No	
2020	57			NNSS-10-997	CBFI		06-CP-95			$ 235,518	997808	06-CP-95	Control Point 95	B	DOE Owned	MDNC	RTBF	Operating	7,925	No		2020	$ 17,134	$ 135,317		No	No	
2020	58			NNSS-10-997	CBFI		06-CP-105			$ -	998659	06-CP-105	Warehouse	B	DOE Owned	NMD	Other	Shutdown Pending Disposal	468	No		2020	$ -	$ 2,426		No	No	
2020	59			NNSS-10-997	CBFI		06-CP-150			$ 115,658	998660	06-CP-150	Warehouse 150	B	DOE Owned	NMD	Other	Operating	3,871	No		2020	$ -	$ 20,063		No	No	
2020	60			NNSS-10-997	CBFI		06-CP-161			$ 162,417	995758	06-CP-161	Sheet Metal Shop	B	DOE Owned	NMD	Other	Operating	2,064	No		2020	$ -	$ 34,889		No	No	
2020	61			NNSS-10-997	CBFI		06-CP-162			$ 309,455	201913	06-CP-162	CP-162 Craft Shop	B	DOE Owned	NMD	Other	Deactivation	5,334	No		2020	$ 25,420	$ 90,494		No	No	
2020	62			NNSS-10-997	CBFI		06-CP-170			$ 827,815	998661	06-CP-170	WSNSO Weather Observatory	B	DOE Owned	NMD	Other	Deactivation	1,937	No		2020	$ -	$ 41,652		No	No	
2020	63			NNSS-10-997	CBFI		06-GS-270			$ 14,921	999289	06-GS-270	Guard Station	B	DOE Owned	MC	DNS	Deactivation	70	No		2020	$ -	$ 2,659		No	No	
2020	64			NNSS-10-997	CBFI		07-300			$ 1,052,957	998643	07-300	Bunker	B	DOE Owned	NMD	Other	Deactivation	1,250	No		2020	$ -	$ 52,342		No	No	
2020	65			NNSS-10-997	CBFI		09-300			$ 833,942	998634	09-300	Underground Detection	B	DOE Owned	NMD	Other	Deactivation	990	No		2020	$ -	$ 45,935		No	No	
2020	66			NNSS-10-997	CBFI		12-24			$ 86,242	998641	12-24	Area 12 Cross Connect	B	DOE Owned	NMD	Other	Operating	810	No		2020	$ 18,089	$ 10,202		No	No	
2020	67			NNSS-10-997	CBFI		12-358			$ 20,547	998638	12-358	Storage (G)	B	DOE Owned	NMD	Other	Deactivation	168	No		2020	$ -	$ 960		No	No	
2020	68			NNSS-10-997	CBFI		12-915			$ 10,336	202458	12-915	RCMC Building (P)	B	DOE Owned	NMD	Other	Operational Standby	200	No		2020	$ -	$ 2,519		No	No	
2020	69			NNSS-10-997	CBFI		12-916			$ 13,744	202503	12-916	P-Portal Recording (P)	B	DOE Owned	NMD	Other	Operational Standby	200	No		2020	$ -	$ 2,519		No	No	
2020	70			NNSS-10-997	CBFI		15-202510			$ 146,130	202510	15-202510	Winch and Control Room	B	DOE Owned	NMD	Other	Deactivation	432	No		2020	$ -	$ 7,170		No	No	
2020	71			NNSS-10-997	CBFI		15-202538			$ 754,142	202538	15-202538	Hoist House	B	DOE Owned	NMD	Other	Deactivation	2,440	No		2020	$ -	$ 35,695		No	No	
2020	72			NNSS-10-997	CBFI		19-201855			$ 8,719	201855	19-201855	Microwave Station	B	DOE Owned	NMD	Other	Operational Standby	341	No		2020	$ -	$ 3,287		No	No	
2020	73			NNSS-10-997	CBFI		23-119			$ 16,865	202171	23-119	Radiological Ops Storage Center	B	DOE Owned	NMD	Other	Deactivation	512	No		2020	$ -	$ 2,573		No	No	
2020	74			NNSS-10-997	CBFI		23-702			$ 57,593	996998	23-702	Foil Handling Source	B	DOE Owned	NMD	Other	Deactivation	555	No		2020	$ -	$ 21,789		No	No	
2020	75			NNSS-10-997	CBFI		23-B			$ 203,293	993291	23-B	Environ Restoration Field Office	B	DOE Owned	NMD	Other	Operating	3,429	No		2020	$ 55,340	$ 30,915		No	No	
2020	76			NNSS-10-997	CBFI		23-C			$ 137,585	993292	23-C	Environ Restoration Field Office	B	DOE Owned	NMD	Other	Operating	3,429	No		2020	$ 44,521	$ 30,915		No	No	
2020	77			NNSS-10-997	CBFI		23-D			$ 207,109	993293	23-D	Dormitory/QA	B	DOE Owned	NMD	Other	Shutdown Pending Disposal	3,331	No		2020	$ -	$ 30,915		No	No	
2020	78			NNSS-10-997	CBFI		24-A-01			$ 77,762	215361	24-A-01	Expansion	B	DOE Owned	MC	RTBF	Operating	11,402	No		2020	$ -			No	No	
2020	79			NNSS-10-997	CBFI		24-A-06			$ 40,205	2357052	24-A-06	Pump House/Restroom	B	DOE Owned	MDNC	RTBF	Operating	1,161	No		2020	$ 89,379			No	No	
2020	80			NNSS-10-997	CBFI		24-A-09			$ 69,473	0422332	24-A-09	A9 Storage Building	B	DOE Owned	NMD	Other	Operating	644	No		2020	$ -			No	No	
2020	81			NNSS-10-997	CBFI		24-A-11			$ 17,284	2351609	24-A-11	Covered Storage	B	DOE Owned	NMD	Other	Operating	12,243	No		2020	$ 1,881			No	No	
2020	82			NNSS-10-997	CBFI		24-A-12			$ 214,109	2189370	24-A-12	Lab Support	B	DOE Owned	NMD	Other	Operating	8,844	No		2020				No	No	
2020	83			NNSS-10-997	CBFI		24-A-16			$ 5,224	2298263	24-A-16	Protective Coating Facility	B	DOE Owned	NMD	Other	Operating	3,830	No		2020	$ 11,730			No	No	
2020	84			NNSS-10-997	CBFI		24-A-17			$ 565,328	2189387	24-A-17	Twin Towers	B	DOE Owned	MDNC	RTBF	Deactivation	28,358	No		2020	$ 360,334			No	No	
2020	85			NNSS-10-997	CBFI		24-B-04			$ 139,702	2008039	24-B-04	N-I Staging Facility	B	DOE Owned	NMD	OFO	Operating	3,844	No		2020	$ 34,200			No	No	
2020	86			NNSS-10-997	CBFI		24-B-05			$ 44,450	0469085	24-B-05	Mail Room	B	DOE Owned	NMD	Other	Operating	1,457	No		2020	$ 8,005			No	No	
FY 2020 Subtotal								**$ -**	**$ -**	**$ 17,835,126**									**350,515**				**$ 2,192,304**	**$ 10,071,038**	**$ 50,000,000**			
2022	87						25-3113A			$ 324,635	408287	25-3113A	Test Cell 'A' Bunker	B	DOE Owned	NMD	EM	Shutdown Pending D&D	890	No		2022	$ -			Yes	No	HAZ-10 Rad Material/Beryllium Legacy Site

Attachment E-1
Footprint - Disposition Plan for Nevada National Security Site (NNSS)
FY 2012 - FY2021

Fiscal Year	Priority	Score	Project Name or SSP Conservation Measure Name*	Project Number or SSP FEMP	Funding Source	Funding Type	Deferred Maintenance Identifier	Legacy Deferred Maintenance Reduction	Deferred Maintenance		Per FIMS													Yearly S&M Costs	Total Estimated Disposition Cost (TEC)	Contaminated (Yes/No)	Included in the SSP? (Yes/No)	Notes
										DM FIMS	Property Sequence Number	Facility ID Number	Facility Name	Property Type (B/L/S/T)	Ownership	Mission Dependency	Mission Dependency Program	Status	Gross Square Feet (GSF)	Excess Indicator (Yes/No)	Excess Year	Estimated Disposition Year	Actual Annual Maintenance Cost					
(23)	(47)	(56)	(48)	(49)	(26)	(27)	(10)	(36)	(13)		(50)	(21)	(22)	(51)	(45)	(40)	(41)	(63)	(32)	(18)	(19)	(16)	(1)	(68)	(64)	(7)	(33)	(43)
2022	88						25-3901			$ 1,796,752	300578	25-3901	Locomotive Storage Shed	B	DOE Owned	NMD	Other	Shutdown Pending Transfer	5,424	No		2022	$ -	$ 88,863		Yes	No	HAZ-10 Beryllium Legacy Site
2022	89						25-4015			$ 10,822,253	300611	25-4015	Immune Building	B	DOE Owned	NMD	Other	Deactivation	56,237	No		2022	$ -	$ 522,858		No	No	
2022	90						25-4101			$ 124,216	992400	25-4101	Building 4101	B	DOE Owned	NMD	Other	Operating	1,760	No		2022	$ 38,428	$ 18,282		No	No	
2022	91						25-4117			$ 75,219	408351	25-4117	Immune Building Control Room	B	DOE Owned	NMD	Other	Operating	3,224	No		2022	$ -	$ 29,975		No	No	
2022	92						25-4221			$ 466,255	408481	25-4221	Sample Management Facility	B	DOE Owned	NMD	OFO	Operating	13,840	No		2022	$ 2,958	$ 71,730		No	No	
2022	93						25-4320			$ 266,175	408482	25-4320	Sample Management Facility	B	DOE Owned	NMD	OFO	Operating	13,682	No		2022	$ 247	$ 70,911		Yes	No	HAZ-10 Beryllium Legacy Site
2022	94						26-2102			$ -	992040	26-2102	Port Gaston Nuclear Corp.	B	DOE Owned	MDNC	Other	Operating	3,024	No		2022	$ -	$ 45,102		No	No	
2022	95						26-2106			$ -	995268	26-2106	Area 26 Warehouse	B	DOE Owned	MDNC	Other	Operating	4,100	No		2022	$ -	$ 95,164		Yes	No	HAZ-10 Rad Material
2022	96						29-2902			$ -	201624	29-2902	Shoshone Transmitter Station	B	DOE Owned	NMD	Other	Operating	840	No		2022	$ -	$ 10,580		No	No	
FY 2022 Subtotal								**$ -**	**$ -**	**$ 13,875,505**									**103,021**				**$ 41,633**	**$ 953,465**	**$ -**			
Totals (FY 2010 - FY 2022)								**$ 3,995**	**$ 1,869**	**$ 88,073,230**									**630,475**				**$ 4,732,116**	**$ 13,017,425**	**$ 91,173,000**			

Attachment E-2 Plan
Footprint - New Construction for Nevada National Security Site (NNSS)
FY 2012 to FY 2021

Fiscal Year (23)	Priority (47)	Score (56)	Project Name or SSP Conservation Measure Name* (48)	Project Number or SSP FEMP Measure #* (49)	Funding Source (26)	Funding Type (27)	Deferred Maintenance Identifier (10)	Legacy Deferred Maintenance Reduction (36)	Deferred Maintenance (13)	Facility Name (22)	Property Type (B/L/S/T) (51)	Ownership (45)	Mission Dependency ((40)	Mission Dependency Program (41)	Gross Square Feet (GSF) (32)	Year of Beneficial Occupancy (67)	Included in the SSP? (Yes/No) (33)	Notes (43)
2010	1	65	NNSS Replace Fire Stations No. 1 & 2	06-D-402	FIRP	LI	NTS-00-011		0	NNSS Fire Station 1 - Area 23	B	DOE Owned	MDNC	RTBF	27,510	2010	Yes	
2010	1	65	NNSS Replace Fire Stations No. 1 & 2	06-D-402	FIRP	LI	NTS-00-020		0	NNSS Fire Station 2 - Area 6	B	DOE Owned	MDNC	RTBF	13,644	2010	Yes	

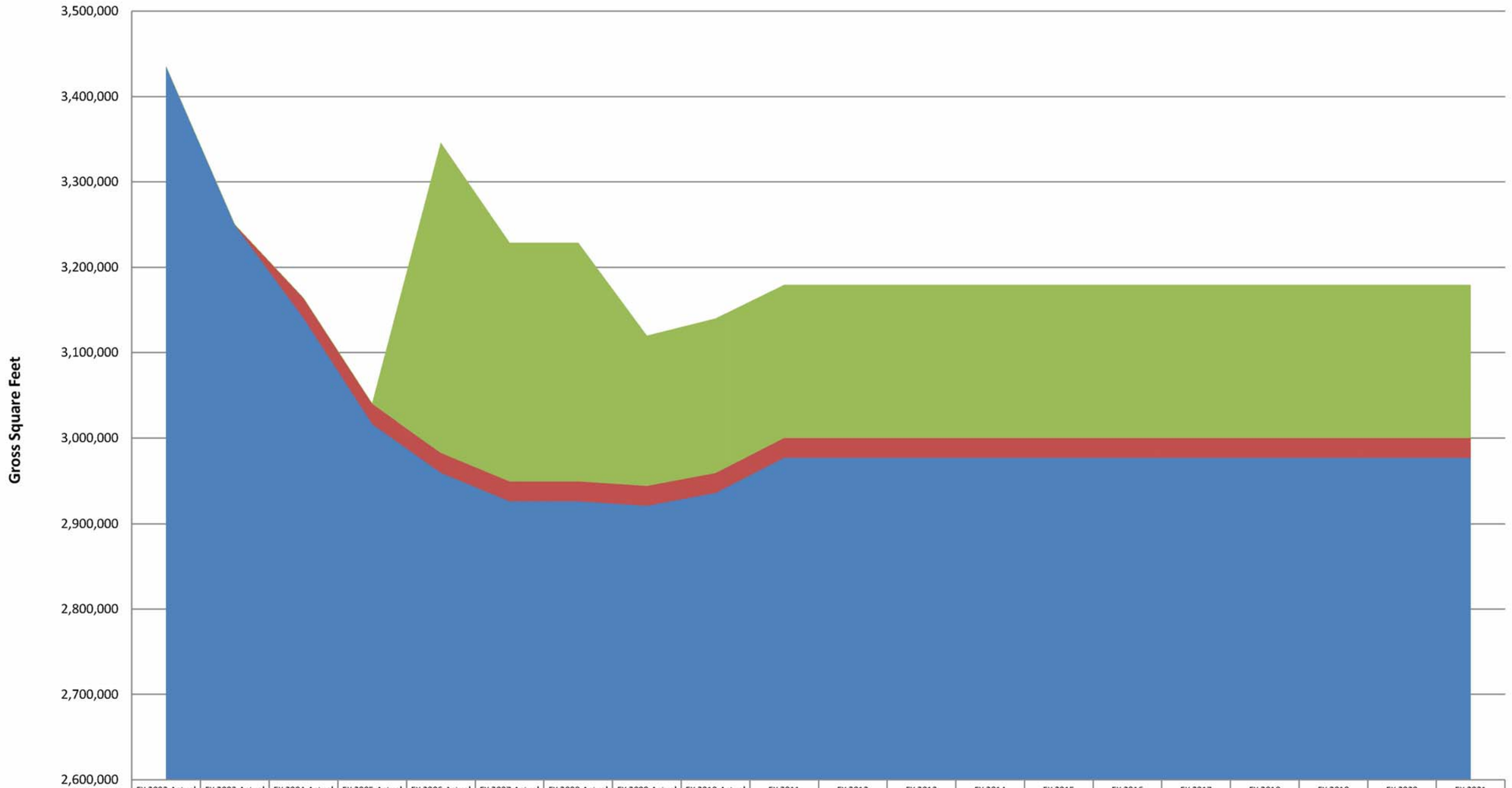
Attachment E-3
FY 2011 Leased Space for Nevada National Security Site (NNSS)

Fiscal Year	Funding Source	Per FIMS												Rental Rate per Rentable SF	Annual Cost	Leased Type	Lease Term - yrs	Exp. Month / Year	Renewal Options	Notes
		Property Sequence Number	Facility ID Number	Facility Name	Property Type (B/L/S/T)	Ownership	Mission Dependency	Mission Dependency Program	Status	Gross Square Feet (GSF)	# of Occupants	Excess Year	Actual Annual Maintenance Cost							
(23)	(26)	(50)	(21)	(22)	(51)	(45)	((40)	(41)	(63)	(32)	(44)	(19)	(20)	(54)	(2)	(35)	(34)	(20)	(53)	(43)
2010	DHS	N007568	42-226	Lab/Shop 226	B	Contractor Leased	MDNC	DHS	Operating	8,800	3	2018	$0				10 Years	Aug-18	No	
2010	DHS	N007591	42-5520	Special Technologies Program	B	Contractor Leased	MDNC	DHS	Operating	70,805	131	2017	$0				10 Years	May-17	No	
2010	RTBF	N007580	43-182	East Gate Industrial	B	Contractor Leased	MDNC	RTBF	Operating	50,492	80	2013	$21,453				5 Years	Mar-13	Yes	
2010	OFO	N007610	50-250	CTOS NY Operations	B	Contractor Leased	MDNC	OFO	Operating	7,100	8	2015	$0				5 Years	Mar-15	No	
2010	RTBF	N007579	62-160	Vasco Business Center	B	Contractor Leased	MDNC	RTBF	Operating	35,687	58	2011	$0				12 Years	Jan-11	No	
2010	N/A	996000	87-4045	United East India Building	B	Contractor Leased	NMD	N/A	Operating	6,484	20	2013	$0				5 Years	May-13	No	
Totals										**179,368**	300		**$ 21,453**	**$10**	**$ 785,782**					

Attachment E-4(a)
FOOTPRINT TRACKING SUMMARY SPREADSHEET
Nevada National Security Site (NNSS) Footprint Tracking Summary - NNSA

Fiscal Year (23)	Beginning Site Footprint (gsf) (6)	Excess Facilities Footprint Elimination (gsf) (17)	New Construction/ Footprint Added (gsf) (42)	Site Footprint Reduction by FY (gsf) (57)	Footprint "Banked" (gsf) (25)	Waiver/ Transfer (gsf) (65)	"Grandfathered" Footprint Added (gsf) (31)	Cumulative "Grandfathered" Footprint Added (gsf) (9)	Site Total Footprint (NNSA only) (gsf) (60)	Site Leased Space (NNSA only) (gsf) (58)	Weapons Activities Account (gsf) (66)
FY 2002 Actual	3,435,035	-185,224	0	3,249,811	-185,224		0	0	3,249,811		N/A
FY 2003 Actual	3,249,811	-109,250	0	3,140,561	-294,474		0	0	3,140,561		N/A
FY 2004 Actual	3,140,561	-147,977	25,914	3,018,498	-416,537	200,000	23282	23,282	3,041,780		N/A
FY 2005 Actual	3,016,818	-77,748	20,596	2,959,666	-473,689		0	23,282	2,982,948		N/A
FY 2006 Actual	2,959,666	-47,945	14,513	2,926,234	-507,121		0	23,282	2,949,516	362,615	48,915
FY 2007 Actual	2,926,234	0	0	2,926,234	-507,121		0	23,282	2,949,516	279,059	0
FY 2008 Actual	2,926,234	-5,300	0	2,920,934	-512,421		0	23,282	2,944,216	279,059	-5,300
FY 2009 Actual	2,920,934	0	15,088	2,936,022	-497,333		0	23,282	2,959,304	175,321	-117,659
FY 2010 Actual	2,936,022	0	41,154	2,977,176	-456,179		0	23,282	3,000,458	180,368	N/A
FY 2011	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2012	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2013	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2014	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2015	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2016	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2017	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2018	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2019	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2020	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A
FY 2021	2,977,176	0	0	2,977,176	-456,179		0	23,282	3,000,458	178,590	N/A

Attachment E-4(a) Chart
FOOTPRINT TRACKING SUMMARY SPREADSHEET
Nevada National Security Site Footprint Tracking Summary - NNSA

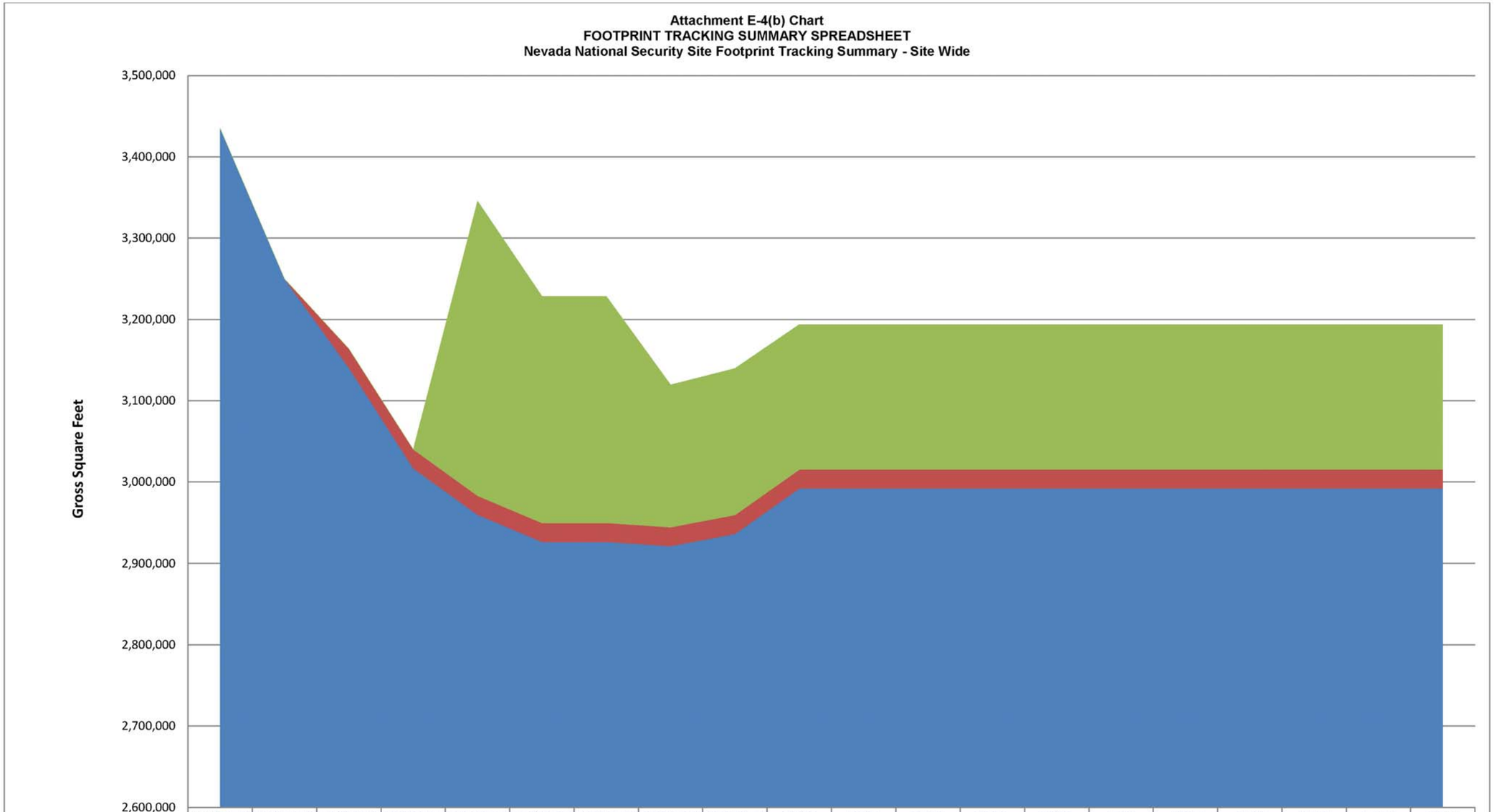


	FY 2002 Actual	FY 2003 Actual	FY 2004 Actual	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Site Leased Space (NNSA only) (gsf)					362,615	279,059	279,059	175,321	180,368	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590
Cumulative "Grandfathered" Footprint Added (gsf)	0	0	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282
Beginning Site Footprint (gsf)	3,435,035	3,249,811	3,140,561	3,016,818	2,959,666	2,926,234	2,926,234	2,920,934	2,936,022	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176	2,977,176

Attachment E-4(b)
FOOTPRINT TRACKING SUMMARY SPREADSHEET
Nevada National Security Site (NNSS) Footprint Tracking Summary - Site Wide

Fiscal Year (23)	Beginning Site Footprint (gsf) (6)	Excess Facilities Footprint Elimination (gsf) (17)	New Construction/ Footprint Added (gsf) (42)	Site Footprint Reduction by FY (gsf) (57)	Footprint "Banked" (gsf) (25)	Waiver/ Transfer (gsf) (65)	"Grandfathered" Footprint Added (gsf) (31)	Cumulative "Grandfathered" Footprint Added (gsf) (9)	Site Wide Total Footprint (gsf) (60)	Site Wide Leased Space (58)	Weapons Activities Account (gsf) (66)
FY 2002 Actual	3,435,035	-185,224	0	3,249,811	-185,224		0	0	3,249,811		N/A
FY 2003 Actual	3,249,811	-109,250	0	3,140,561	-294,474		0	0	3,140,561		N/A
FY 2004 Actual	3,140,561	-147,977	25,914	3,018,498	-416,537	200,000	23282	23,282	3,041,780		N/A
FY 2005 Actual	3,016,818	-77,748	20,596	2,959,666	-473,689		0	23,282	2,982,948		N/A
FY 2006 Actual	2,959,666	-47,945	14,513	2,926,234	-507,121		0	23,282	2,949,516	362,615	48,915
FY 2007 Actual	2,926,234	0	0	2,926,234	-507,121		0	23,282	2,949,516	279,059	0
FY 2008 Actual	2,926,234	-5,300	0	2,920,934	-512,421		0	23,282	2,944,216	279,059	-5,300
FY 2009 Actual	2,920,934	0	15,088	2,936,022	-497,333		0	23,282	2,959,304	175,321	-117,659
FY 2010 Actual	2,936,022	14,727	41,154	2,991,903	-441,452		0	23,282	3,015,185	180,368	N/A
FY 2011	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2012	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2013	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2014	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2015	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2016	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2017	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2018	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2019	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2020	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	N/A
FY 2021	2,991,903	0	0	2,991,903	-441,452		0	23,282	3,015,185	178,590	

Attachment E-4(b) Chart
FOOTPRINT TRACKING SUMMARY SPREADSHEET
Nevada National Security Site Footprint Tracking Summary - Site Wide



	FY 2002 Actual	FY 2003 Actual	FY 2004 Actual	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Site Wide Leased Space					362,615	279,059	279,059	175,321	180,368	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590	178,590
Cumulative "Grandfathered" Footprint Added (gsf)	0	0	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282	23,282
Beginning Site Footprint (gsf)	3,435,035	3,249,811	3,140,561	3,016,818	2,959,666	2,926,234	2,926,234	2,920,934	2,936,022	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903	2,991,903

Attachment F-1
NNSA FIRP Legacy (FY03 and FY04) Deferred Maintenance Baseline and Projected Deferred Maintenance Reduction from Baseline at Nevada National Security Site (NNSS)
($000s)

Category of Maintenance	Spreadsheet Intruction #	Legacy (FY03 & FY04) Baseline	FY 2004 (Actual)	FY 2005 (Actual)	FY 2006 (Actual)	FY 2007 (Actual)	FY 2008 (Actual)	FY 2009 (Actual)	FY 2010 (Actual)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
1. **FIRP LEGACY DEFERRED MAINTENANCE (DM) BASELINE (FY03 & FY04) (Excludes Programmatic Real Property or Equipment)**	(37)	329,664	295,995	215,988	203,757	200,535	198,475	151,865	145,399	140,531	137,718	137,718								
2. **LEGACY DEFERRED MAINTENANCE BASELINE (DM) REDUCTION TOTAL**	(38)	16,571	33,669	38,585	25,706	14,858	15,362	46,610	6,466	4,868	2,813	-								
A. Reduction in Legacy DM Baseline (total due to FIRP ONLY) for all F&I	(38)	6,945	18,466	19,537	15,076	9,836	6,764	22,601	6,466	4,868	2,813	-								
i. Reduction in Legacy DM for Mission-Critical F&I (due to FIRP ONLY)	(38)							1,048	-	-	-	-								
ii. Reduction in Legacy DM for Mission Dependent, Not Critical F&I (due to FIRP ONLY)	(38)				13,011	6,580	2,800	20,447	2,952	2,863	2,813	-								
iii. Reduction in Legacy DM for Not Mission Dependent F&I (due to FIRP ONLY)	(38)				2,065	3,256	3,964	1,106	3,514	2,005	-	-								

Attachment F-2
NNSA Total Deferred Maintenance and Projected Deferred Maintenance Reduction
at Nevada National Security Site (NNSS)
($000s)

Nevada National Security Site	Spreadsheet Intruction #	FY 2003 (Baseline)	FY 2004 (Actual)	FY 2005 (Actual)	FY 2006 (Actual)	FY 2007 (Actual)	FY 2008 (Actual)	FY 2009 (Actual)	FY 2010 (Actual)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
1. ANNUAL REQUIRED MAINTENANCE for F&I	(4)	48,443	48,498	56,410	60,890	59,449	61,806	96,792	95,892	97,810	99,668	101,562	103,492	105,458	107,462	109,503	111,584	113,704	115,864	118,066
2. ANNUAL PLANNED MAINTENANCE TOTAL	(3)	33,123	33,582	56,620	59,687	65,274	59,981	82,060	67,619	70,293	71,629	72,990	74,376	75,789	77,229	78,697	80,192	81,716	83,268	84,850
a. Direct	(3)	10,035	9,620	13,428	16,960	16,448	15,781	20,601	15,491	17,936	18,277	18,624	18,978	19,338	19,706	20,080	20,462	20,851	21,247	21,650
b. Indirect	(3)	23,088	23,962	43,192	42,727	48,826	44,200	61,459	52,128	52,357	53,352	54,365	55,398	56,451	57,524	58,616	59,730	60,865	62,022	63,200
3. DEFERRED MAINTENANCE (DM) TOTAL (Excludes Programmatic Real Property or Equipment) *= Inflation Prior Year DM Total + DM New - Prior Year DM Reduction*	(15)	329,664	295,995	215,988	203,757	200,535	198,475	234,132	205,160	215,516	228,171	244,149	260,652	277,694	295,289	313,454	332,201	351,549	371,511	392,104
i. Backlog Inflation Rate (%)	(5)		2.3%	2.6%	3.7%	2.9%	2.6%	4.9%	-1.9%	2.0%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%
ii. DM Inflation	(11)		6,655	5,564	7,994	5,917	9,580	9,732	(4,449)	4,103	4,095	4,335	4,639	4,952	5,276	5,610	5,956	6,312	6,679	7,059
iii. DM NEW	(12)		-	-	5,481	4,013	4,899	75,642	15,493	15,803	16,103	16,409	16,721	17,039	17,362	17,692	18,028	18,371	18,720	19,076
A. DM, Mission-Critical F&I ONLY	(5,11,12,15)				11,246	10,195	14,219	12,368	12,421	12,605	12,780	12,957	13,136	13,317	13,499	13,683	13,870	14,059	14,252	14,445
B. DM, Mission-Dependent, Not Critical F&I ONLY	(5,11,12,15)				119,158	115,345	108,973	69,294	77,480	79,022	80,621	85,174	89,869	94,714	99,709	104,860	110,170	115,645	121,287	127,103
C. DM, Not Mission-Dependent F&I ONLY	(5,11,12,15)				73,353	74,995	75,136	153,112	115,259	123,889	134,770	146,019	157,647	169,664	182,082	194,912	208,161	221,844	235,972	250,556
4. DEFERRED MAINTENANCE (DM) REDUCTION TOTAL	(14)	16,571	33,669	38,585	20,533	17,796	15,362	49,717	40,016	9,550	7,543	4,766	4,857	4,949	5,043	5,138	5,237	5,335	5,437	5,541
i. Reduction Total attributed to FIRP ONLY	(52)	6,945	18,466	19,537	15,076	9,836	6,764	22,637	6,466	4,960	2,866	-								
A. Reduction in DM for Mission-Critical F&I	(14)				1,501	1,015	898	2,643	1,000	1,020	1,039	1,059	1,079	1,100	1,121	1,142	1,164	1,185	1,208	1,231
1. Reduction attributed to FIRP ONLY	(52)							1,048	-	-	-	-								
B. Reduction in DM for Mission-Dependent, Not Critical F&I	(14)				13,011	8,175	8,857	45,408	5,656	5,977	5,984	3,177	3,238	3,299	3,362	3,426	3,491	3,557	3,625	3,694
1. Reduction attributed to FIRP ONLY	(52)				13,011	6,580	2,800	20,483	2,952	2,917	2,866	-								
C. Reduction in DM for Not Mission-Dependent F&I	(14)				6,021	8,606	5,607	1,666	33,360	2,553	520	530	540	550	560	570	582	593	604	616
1. Reduction attributed to FIRP ONLY	(52)				2,065	3,256	3,964	1,106	3,514	2,043	-	-								
5. REPLACEMENT PLANT VALUE (RPV) for Facilities and Infrastructure (F&I) *= Inflation of PY RPV + Increase or Decrease due to other causes*	(55)	2,437,567	2,447,865	2,867,604	2,843,708	2,972,430	3,072,720	3,288,858	3,139,835	3,202,632	3,263,482	3,325,488	3,388,672	3,453,057	3,518,665	3,585,520	3,653,644	3,723,064	3,793,802	3,865,884
A. RPV for Mission-Critical F&I ONLY	(55)				473,832	505,028	524,709	670,634	648,120	661,082	673,643	686,442	699,485	712,775	726,318	740,118	754,180	768,509	783,111	797,990
B. RPV for Mission-Dependent, Not Critical F&I	(55)				1,183,855	1,218,508	1,256,882	1,195,704	1,176,625	1,200,158	1,222,960	1,246,197	1,269,874	1,294,002	1,318,588	1,343,641	1,369,170	1,395,185	1,421,693	1,448,705
C. RPV for Not Mission-Dependent F&I	(55)				1,186,021	1,248,894	928,588	1,422,520	1,315,090	1,341,392	1,366,878	1,392,849	1,419,313	1,446,280	1,473,759	1,501,761	1,530,294	1,559,370	1,588,998	1,619,189
D. RPV Increase from prior year attributed to inflation	(55)				107,914	128,722	104,726	93,457	(62,488)	62,797	60,850	62,006	63,184	64,385	65,608	66,855	68,125	69,419	70,738	72,082
E. RPV Increase / decrease attributed to causes other than inflation	(55)				(131,810)		(4,436)	122,681	(86,535)											

Facility Condition Index (FCI)	FY 2003 (Baseline)	FY 2004 (Actual)	FY 2005 (Actual)	FY 2006 (Actual)	FY 2007 (Actual)	FY 2008 (Actual)	FY 2009 (Actual)	FY 2010 (Actual)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
FCI TOTAL	13.5%	12.1%	7.5%	7.2%	6.7%	6.5%	7.1%	6.5%	6.7%	7.0%	7.3%	7.7%	8.0%	8.4%	8.7%	9.1%	9.4%	9.8%	10.1%
FCI Mission Critical				2.4%	2.0%	2.7%	1.8%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.8%	1.8%	1.8%	1.8%	1.8%
FCI Mission Dependent, Not Critical				10.1%	9.5%	8.7%	5.8%	6.6%	6.6%	6.6%	6.8%	7.1%	7.3%	7.6%	7.8%	8.0%	8.3%	8.5%	8.8%
FCI Not Mission Dependent				6.2%	6.0%	8.1%	10.8%	8.8%	9.2%	9.9%	10.5%	11.1%	11.7%	12.4%	13.0%	13.6%	14.2%	14.9%	15.5%
Asset Condition Index (ACI)	**FY 2003 (Baseline)**	**FY 2004 (Actual)**	**FY 2005 (Actual)**	**FY 2006 (Actual)**	**FY 2007 (Actual)**	**FY 2008 (Actual)**	**FY 2009 (Actual)**	**FY 2010 (Actual)**	**FY 2011**	**FY 2012**	**FY 2013**	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**FY 2020**	**FY 2021**
ACI TOTAL	0.86	0.88	0.92	0.93	0.93	0.94	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.91	0.91	0.91	0.90	0.90
ACI Mission Critical				0.98	0.98	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
ACI Mission Dependent, Not Critical				0.90	0.91	0.91	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.91	0.91
ACI Not Mission Dependent				0.94	0.94	0.92	0.89	0.91	0.91	0.90	0.90	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.85

Reference Table for Attachment A-3d RTBF/CBIF Sustainability

ID	Facility	Square Feet
01-103	Bit Bay	3240
01-121	Special Projects Office	6000
01-201959	Mech Miners Shop (U1A)	1023
01-785204	LLNL Physics Trailer	1440
01-920A	Change House	1440
01-B008659	LANL Test Operations	1440
01-B008660	NSTec Operations Office (U1A)	1440
01-B008671	LANL Supervisor Trailer (U1A)	1440
01-B101619	T-1 Training	2940
01-B106524	U1H Access Control Building	1680
01-B106535	U1H Hoist House	3100
01-B106557	U1A Air Building	7381
04-300	Bunker (BEEF)	1387
04-B103396	Office	1593
05-026143	Conference Room	1100
05-31	Access Control Building	3271
05-32	Visual Exam/Repackaging	2871
05-6	Area 5 RWMS	2393
05-7	Area 5 RWMS	3527
05-8	Administration	2268
06-159	Power & Lineman Shop	3200
06-202651	DAF Guard Station	1428
06-323	Pump House 4/4A	1224
06-331	Test Support Building	4555
06-332	Active Interrogation Building	6282
06-500	DAF Mech/Elect Facility	4975
06-609	SAO Hangar	6062
06-618	Tech Library and Break Room	1519
06-619	Service Station	2071
06-620	Craft Change House	1028
06-621	Generator Shop	4077
06-623	Machine and Welding Shop	19839
06-624	Heavy Duty Truck Maint/Repair	12518
06-625	SAS Administration	3812
06-63	Geophysical Logging	4802
06-644	Administration Office	4410
06-645	Falcon and XP Hanger	18446
06-645-01	Avionics Repair Pod	2417
06-645-02	Administration Pod	2399
06-645-03	Aircraft Repair Pod	2637
06-645-04	Media Support Pod	2637
06-800	Heavy Duty Equip Maint/Repair	20207
06-900	Site Operations North Admin	31028
06-901	ITLV Warehouse/Office	3815
06-902	Field Engineering Office	6943
06-903	Vehicle Maintenance	3815
06-904	Cable Service Center	19667

ID	Facility	Square Feet
06-906	Carpenters/Painters/Laborers	16624
06-908	Metalworkers Craft Shop	29535
06-909	SNJV-UGTA Warehouse	4518
06-911	CEF Warehouse	3041
06-913	JNPO Machine Shop	4315
06-914	Wireman Shop	16454
06-922	Atlas Pulsed Power Facility	20662
06-950	Fire Station 2	14200
06-B101620	Training Office	1680
06-CP-1	Control Point 1	31366
06-CP-100	Los Alamos Warehouse	9491
06-CP-160	Craft Shop	6981
06-CP-161	Sheet Metal Shop	2064
06-CP-162	CP-162 Craft Shop	5334
06-CP-213	Photo Laboratory	3200
06-CP-214	Control Point 214	3242
06-CP-215	Sandia Cable Support	4425
06-CP-216	Sandia Assembly Building	1530
06-CP-40	Comm and Electronics	7644
06-CP-41	Helicopter Hangar	5149
06-CP-45	Los Alamos Light Lab	19166
06-CP-50	CP-50	9368
06-CP-65	Office/Warehouse	23581
06-CP-70	Fire Station 2	5022
06-CP-71	Fire Station 2 Dormitory	2007
06-CP-72	DAF Support	7199
06-CP-86	Control Point 86	1200
06-CP-9	CADAC	24607
06-CP-95	Control Point 95	7976
06-DAF	Device Assembly Facility	156865
11-102	Assembly Building	1474
12-202555	Mechanic Shop (G)	2460
12-30	Cafeteria	12643
12-32	Dormitory 32	8765
12-34	Dormitory 34	8765
12-35	Dormitory 35	8765
12-37	Dormitory 37	8765
12-4	Warehouse 4	3916
12-45	Dormitory 45	8924
12-5	Warehouse 5	3916
12-7	Recreation Hall	5512
12-830	Core Library	3733
12-868	Multipurpose Building (G)	4269
12-908	Walker Shack (P)	1281
12-909	Sandia Recording Facility	10111
12-910	12 Camp Shop	5788
12-911	P-Tunnel Office (P)	1200

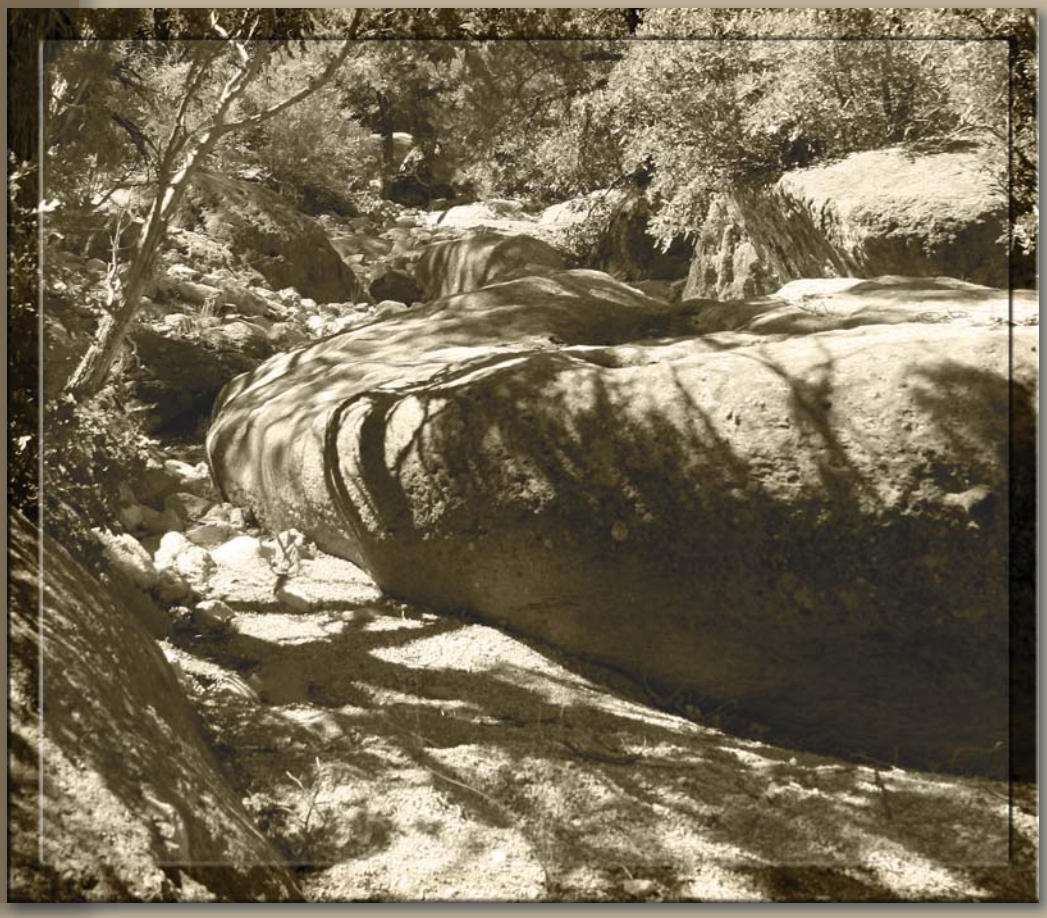
ID	Facility	Square Feet
12-912	P-Tunnel Office (P)	1200
12-919	Dry Storage (P)	1260
12-920	Fitters Dry Storage (P)	1260
12-922	Electrical Shop (P)	1970
12-924	DNA Conference (P)	1260
12-925	Miners Dry Storage (P)	1260
12-926-P	Sandia Assembly Bldg (P)	1121
12-928	12 Camp HQ	6419
12-929	Central Repair Facility	5000
12-933	Entry Building P-Tunnel (P)	1745
18-1801	Dormitory	1724
18-1802	Dormitory	1724
18-1803	Dormitory	1724
22-1	Weather Observatory	1340
22-1111	Demonstrators Support	1100
22-2	Desert Rock Airport	2788
23-1000	WSI PROTECTIVE FORCE HQ	13071
23-1001	WSI Plans & Operations	3850
23-1002	WSI SACS/AOD	3593
23-1010	Mercury Switch Station	3089
23-109	Housing/Revenue	3861
23-1103	Training Academy	6129
23-1104	Lowery Range C-Complex	3535
23-1106	WSI Classroom Annex	2065
23-1107	WSI Training Academy Office	1357
23-1108	WSI Training Academy HQ	1357
23-111	Administration/Engineering	18013
23-113	Training Machinery Mail	9989
23-114	ES&H Training Facility	4202
23-116	Core Storage	4454
23-117	Administration/Engineering	22048
23-118	Administration Facility	7275
23-128	DFNO Cont. Pkg. Center	8592
23-129	Warehouse	10559
23-132	Waste Management	4898
23-133	Sign/Paint Shop	1911
23-143	Administration Offices	6070
23-151	Core Storage	10193
23-153	Physical Standards Lab	2235
23-154	Office Building	2515
23-156	Office/Storage	3997
23-157	Linen Storage Warehouse	4867
23-158	Office/Storage	3977
23-160	Main Warehouse	50000
23-163	Counterterrorism Trng Complex	10672
23-180	RAMATROL	1035
23-190	Materials Testing Lab	7523

ID	Facility	Square Feet
23-211	DOD Administration/Warehouse	12504
23-23	Nye County Sheriff	1224
23-300	Mercury Cafeteria	64762
23-301	Walk In Cold Storage	3638
23-302	Mercury Garbage Facility	1968
23-310	Archives and Records Center	6188
23-425	Fire Station 1	10061
23-426	Fire Station 1 Dormitory	3174
23-525	Sherrif's Office/Post Office	5492
23-526	Dormitory	5227
23-527	Dormitory	4033
23-528	Dormitory	7033
23-529	Dormitory	4033
23-530	Dormitory	8447
23-531	Dormitory	13820
23-532	Dormitory	13820
23-535	Dormitory	13820
23-536	Dormitory Utility Building	1200
23-550	Industrial Hygiene	4174
23-600	Joint Testing Office	38576
23-600A	High Bay	1019
23-601	Storage Facility	2400
23-610	Radiation Cal Lab	1570
23-614	Site Engineering	5808
23-620	Facility Services	1513
23-630	Site Ops South Admin Facility	4406
23-640	Fire Station 1	28600
23-650	Occupational Med & Rad Control	30243
23-652	Environmental Monitoring	6052
23-675	Dormitory	3029
23-676	Dormitory	3029
23-678	Dormitory	3029
23-679	Dormitory	3029
23-680	Dormitory	3029
23-681	Dormitory	3029
23-683	Dormitory	3029
23-684	Dormitory	3029
23-699	Fire Department Warehouse	1955
23-700	Maintenance Shop	8336
23-701	WSI Technical Support	6382
23-703	Weather Maintenance	7006
23-710	Craft Building	19328
23-725	Telecommunications	13454
23-726	Print Plant/Radio Comm	17325
23-750	Motor Pool Maintenance	35350
23-751	Equipment Maintenance	24222
23-752	Fleet Operations	5532

ID	Facility	Square Feet
23-775	Utility Warehouse	3970
23-776	Utility Warehouse	3970
23-777	Utility Warehouse	3920
23-W10	Warehouse	4021
23-W11	Warehouse (Auto)	4030
23-W7	Site Maintenance	4339
23-W8	Warehouse	4021
23-W9	Warehouse	4021
25-202495	Ballistic Research Lab	2262
25-3101	CP For Operations and Missions	14834
25-3103	Storage Warehouse	4375
25-3104	Tech Ops Administration	2174
25-3123	Technical Services	12006
25-3127	Cafeteria	9401
25-3129	Technical Operations	13241
25-3300	ETS 1 Tunnel Entrance	12672
25-3310	ETS Underground Control	6363
25-3320	Bldg Conc. Svs Multi-size	4928
25-3330	Bldg Conc. Svs Multi-size	4514
25-4014	USAF Warehouse (3)	16000
25-4222	Maintenance Shops	10637
25-4919	Field Engineering Group	2193
25-890	Portal Record Building	1260
26-2107	Port Gaston Cafe	2400
26-2203	Scylla Test Facility	7596
26-2205	Scylla Support Facility	6244
27-5100	Able Site Assembly	4283
27-5110	Transport Vehicle Garage	1624
27-5150	Storage/Training	2771
27-5180	Able Site Equipment Room	1031
27-5200	Technical Shop	3858
27-5220	Warehouse	4000
27-5310	LLNL Assembly	4587
27-5325	Bunker 5325	1340
27-5327	Central Alarm Bunker	1080
27-D	Office Trailer	1680
35-2211	Remote Sensing Laboratory	128379
35-2216	Pump House	1015
35-2221	Deployment Building	16230
35-2222	Anechoic Chamber	1483
35-2229	Technical Support Building	14197
42-226	Botello Main Building	8800
42-227	Office/Laboratory	2410
42-229	Machine Shop/Lab	2400
42-232	Office/Laboratory	1104
42-233	Office/Laboratory	1104
42-234	Laboratory	1104

ID	Facility	Square Feet
42-5520	Ekwill 5520 Admin, 5540 Lab	70805
43-182	East Gate Industrial	50492
50-340	Commack, NY Office	1000
62-VASCO	Vasco Business Center	35687
64-M0296	Mobile Office 296	4370
85-18	Angel Peak Building 18	1805
87-400-202	Emp Assist Center Shadow Lane	1778
87-4045	United East India Building	6484
A-01	Weapons Test Programs	74041
A-01 Expansion	Weapons Test Program	11402
A-01 High Bay	Weapons Test Program	35683
A-02	Atlas Warehouse	30555
A-04	Event Support Facility	19104
A-05	NLV Utility Building	2862
A-06	Pump House/Restroom	1161
A-11	Covered Storage	12243
A-12	Laboratory Support Facility	8844
A-13	Advanced Technology	36185
A-14	Electro Optics	7307
A-16	Protective Coating Facility	3830
B-03	Administration Complex	78117
B-04	SNJV Staging Facility	3844
B-05	Mail Room	1457
B-07	Facility Maintenance	12745
B-09	Storage Building	1168
C-01	Administration	106050
C-02	Telecommunications Building	6955
C-03	High Intensity Source Building	14953
D-01	Nevada Support Facility	161404

Canyon at the NNSS



Water Bottle Canyon

10 Year Site Plan
Fiscal Year 2012