

LOS ALAMOS NATIONAL LABORATORY

Ten-Year Site Plan FY11 - FY20



TA-21 Demolition, 2010

Photo by Patricia Leyba



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Executive Summary

This FY11–20 Ten-Year Site Plan (TYSP) Limited Update responds to National Nuclear Security Administration (NNSA) guidance and was developed with full respect of the following statement that was included in the guidance distribution memorandum.

"This year's decision for a "limited" TYSP is based on the fact that the Complex Transformation Record of Decision issued in December 2008 remains the key driver in NNSA direction and decision making. However, key documents are currently under development that will influence the vision, direction, and outcome of the Nuclear Security Enterprise (NSE). The Nuclear Posture Review due in March 2010 will provide additional guidance in managing the NNSA real property assets and specific mission and future programmatic direction for the NSE. Consequently, we plan to request a comprehensive and full scale FY 2012-2021 TYSP for the next submission."

Therefore, the primary purpose of this document is to update the Attachment A tables for facilities and infrastructure (F&I) projects and activities; the Attachment E tables for facilities disposition, new construction, leased space, and footprint summary; and the Attachment F tables for the legacy deferred maintenance (DM) baseline and projected DM reduction. In addition, this document provides a limited narrative that highlights prior year accomplishments, the current state of the site, as well as changes, issues and concerns.

Assumptions

Based on the FY11 Department of Energy (DOE) Congressional Budget request and out-year planning guidance, the Laboratory is anticipating a strong funding profile over the next several years. Defense Programs and Nonproliferation funding is anticipated to grow adequately in support of the Laboratory's mission. Other DOE Non-NNSA programs are expected to grow modestly. The Laboratory also anticipates funding for several large construction projects, primarily the Chemistry and Metallurgy Research Replacement Facility (CMRR).

State of the Site

A significant level of project development in the nuclear facilities core of the Laboratory continues to progress aggressively. The Radiological Laboratory/Utility/Office Building is nearing occupancy. Design of the CMRR Nuclear Facility is proceeding. Construction of the Nuclear Materials Safeguards and Security Upgrades Project Phase 2 has begun. The Technical Area (TA) 55 Infrastructure Reinvestment Project is near construction completion for Phase 1 and the baseline has been established for the first component of Phase II. The Radioactive Liquid Waste Treatment Facility project is nearing 90% design completion with Critical Decision 2 anticipated this fiscal year.

The Environmental Programs directorate has entered the heavy production years in its' approximately \$2B lifecycle plan for remediation, decommissioning, and demolition of legacy facilities and disposal areas. Included in the plan are the demolition of more than 20 buildings and remediation of TA-21, and remediation and closure of the Laboratory's largest (65 acres) active disposal area at TA-54.

Changes from Prior TYSP

The Sanitary Effluent Recycling Facility (SERF) Line-Item (LI) project has been added under the Site Stewardship program. With the addition of Attachment A-2, six major proposed LI projects would address the near term mission gaps at the Laboratory. Proposed funding for these projects are through Readiness in Technical Base and Facilities (RTBF) (90k gsf), FIRP, and Nuclear Weapons Incident Response/Emergency Operations (NWIR/EO) (170k gsf). NA-40 plans to fund a new General Plant Project (GPP) project. NA-70 plans to fund 2 small GPP projects to upgrade and secure two facilities (250 gsf). See Table 1 for a summary of major changes from the prior year TYSP.

With closure of TA-54, an alternative facility for management of radioactive wastes will be required.

Under the Order on Consent with the State of New Mexico, remediation activities include construction of new wells for groundwater data, excavation of contaminated soils, removal of mixed wastes, and design, construction or installation of corrective measures. The Order of Consent requires that this work must be completed by the end of 2015.

Real Property Asset Management

Site Footprint Management/Excess Facilities Disposition

The most fundamental responsibility of real property asset management at the Laboratory is enabling programmatic success. Integrated within this responsibility is achieving a right-sized, properly maintained, sustainable set of facilities in order to maximize the investment of available resources. Each facility within the Laboratory's real estate portfolio was acquired for a particular purpose; with a life-cycle that may also include adaptive reuse and recapitalization, but will ultimately require elimination when no longer viable.

The removal of obsolete, non-sustainable facilities continues to be a critical component of the Laboratory's infrastructure strategy. Footprint elimination is required to meet all goals associated with reducing DM, reducing energy intensity, and for increasing operational or re-capitalization investment for the remaining enduring facilities. In addition, a smaller footprint is necessary to meet emerging goals associated with reducing the carbon footprint.

Laboratory footprint reduction accomplishments are continuing, specifically:

- Removal of 667K gross square feet (gsf) in the last eight years;
- Almost 900K gsf of disposition funded for FY10 through FY14;
- The identification of an additional 700K gsf of structures for potential excess from FY12 – FY17 pending plans for emerging replacement facilities.

However, there are over 300K gsf of excess facilities today in surveillance and maintenance (S&M) status without an identified disposition funding source at this time.

Table 1. Summary of Major Changes from Prior TYSP 2010

Program/Attachment	Additions	Finished or Closeout
The American Recovery and Reinvestment Act of 2009		
A-5	Environmental restoration including Material Disposal Area B and groundwater wells D&D at TA-21 (process contaminated) D&D of Tritium Systems Test Assembly Facility	
RTBF		
A-1		TA-55 Infrastructure Reinvestment, Phase I Criticality Experimental Facility
A-2	Energetic Materials Characterization Facility Weapons Manufacturing Support Facility	
A-3	16 projects including Site Footprint Reduction	33 projects including TA-43-I
FIRP		
A-1		Powergrid Infrastructure Upgrade PF-41 Demolition
A-2	Radioactive Liquid Waste Collection System	
A-4		19 projects (23,020 gsf disposition)
NNSA Other Infrastructure Line-Items: Program To be determined (TBD)		
A-2	Fire Station Replacements	
A-2	Sustainable Science, Technology, and Innovation (SUSTAIN) Project	
Site Stewardship Program: Line Items		
A-1	Sanitary Effluent Reclamation Facility	
A-2	Central Steam Plant Repowering and Distribution System Revitalization Electrical Distribution Upgrade	
NWIR/EO: NA-40		
A-2	Center for Nuclear Counter Terrorism	
A-5	4 General Plant Projects	
Safeguards and Security		
A-1 and A-6		Security Perimeter Project
A-5 and A-6	Tactical Training Facility, Indoor Fire Range	
Other		
A-5	TA-53 Weapons Neutron Research NS2 Building	

To accomplish footprint reduction, the Laboratory maintains the multi-year plan within the TYSP that systematically addresses both near and long term activities. This plan reflects the needs and expectations of multiple programs as well as the institution as a whole. In executing the plan, both people and functions must be vacated from facilities followed by a formal Laboratory “excessing” process to properly prepare the structure for disposition or for being maintained in S&M status for some period of time. In addition, formal Federal processes must be followed to document that each structure has no further use to the Government. Once these steps occur, the most efficient disposition approach can be executed.

In summary, footprint elimination contributes to the reduction of Laboratory footprint as required to meet all related goals and mandates in place and continues to be a cornerstone real estate strategy necessary to achieve the robust sustainable infrastructure required for current and future missions.

The consolidation of people and functions into facilities that represent a better built environment, coupled with the elimination of aged permanent and temporary structures is our goal. This strategy allows the reduction of operational and maintenance costs of the eliminated facilities in order to more appropriately fund the remaining sustainable facilities. It also allows the associated DM backlog and the energy/water usage of those same facilities to be avoided.

Footprint Reduction and Historic Buildings

Footprint reduction as an institutional goal, has ramifications for the Laboratory’s historic buildings. While not all historic buildings are categorized as excess properties, many fall into this category and are slated for eventual disposition. Historic buildings removed from operation as part of square foot reduction efforts, but not yet identified for decontamination and demolition (D&D), are being monitored so that they are not adversely affected.

Deferred Maintenance Reduction/Facility Condition

The Laboratory has made progress toward meeting the NNSA Facility Condition Index (FCI) goals for Mission Critical (MC) and Mission Dependent, Not Critical (MDNC) facilities. Attachment F-2 reports FCI for the Laboratory’s MC facilities at 1.9% at the start of FY10, projecting it to remain below the NNSA goal of 5% through 2020.

Achieving the MDNC FCI goal at the Laboratory will be a challenge based on the projected funding and the Laboratory’s focus on ensuring the MC facilities get priority, but MDNC is projected to remain below 7% through 2020. The projected footprint reduction effort will have the greatest impact on reducing the number of Not Mission Dependent (NMD) facilities and eliminate the associated DM with each facility.

Executable Energy Management Plan

The Laboratory's FY10 Executable Energy Plan was submitted to the Los Alamos Site Office on December 10, 2009. The Laboratory reduced its energy intensity 16% between FY03 and FY09. The Laboratory's goal is to achieve an additional reduction of 14% by FY15, resulting in a total of a 30% reduction in energy intensity relative to 2003. Site specific goals include:

1. Replace the steam plant.
2. Expand the SERF to enable the Laboratory to exceed its water reduction goal.
3. Support Los Alamos County in installing a low flow hydro turbine and a photovoltaic array.
4. Increase the number of alternative fuel vehicles and E-85 fuel purchases.
5. Comply with high-performance sustainable building requirements.
6. Install advanced metering to the maximum extent practical.
7. Investigate future Energy Savings Performance Contracts.
8. Purchase Renewable Energy Certificates.

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Attachment A.

Facilities and Infrastructure Cost Projection Spreadsheets

Attachment A, the F&I Cost Projection Spreadsheets, provide prioritized descriptions of current and projected NNSA and non-NNSA funded F&I projects and activities.

Data in Attachment A reflects the FY2011-2015 Presidents Budget/FYNSP and the fact that FIRP funding will end in FY13. FY2016-20 is an inflation based case of 1.9% and/or the latest approved Integrated Construction Program Plan (ICPP) documentation dated June 2009.

Attachment A-I:Approved Line-Item Construction Projects

Approved LI construction projects represent substantial NNSA investments in Laboratory assets to ensure current and future mission readiness.

The approved LI construction projects provide the following benefits to NNSA and the Laboratory over the next 10 to 15 years:

- Provide better worker and public safety and protection of the environment.
- Improve security to protect vital assets against increased threats.
- Support NNSA Nuclear Security Enterprise objectives.
- Improve technical capabilities to satisfy new programs and perform work safely and efficiently.
- Revitalize and replace old, unreliable infrastructure to reduce operational and programmatic costs.
- Contribute to the laboratory's nuclear facility consolidation goals and reduce the DM backlog.

Each project is coordinated and developed with NNSA, the Integrated Nuclear Planning (INP) and ICPP processes to ensure that the scope, estimated costs and schedules are integrated with NNSA programmatic drivers and deliverables. The Laboratory works closely with NNSA organizational elements and their corresponding programs.

Project goals and objectives emphasize safety, security, capability improvements and the efficient use of operating and programmatic funds. The aging (and in many instances unreliable) F&I systems demand a significant proportion of Laboratory resources. This situation diverts funds and attention from programmatic activities, a core Laboratory mission. These facility and infrastructure investments, when complete, will result in a more balanced resource allocation and management focus.

Attachment A-2: Proposed Line-Item Projects

Attachment A-2 proposes LI projects not yet reported in the ICPP or projects above the FYNSP profile.

Attachment A-3: Readiness in Technical Base and Facilities/Operations of Facilities Projects

Attachment A-3 describes F&I projects associated with Operations of Facilities funding within RTBF to ensure safe, secure, reliable facility operations on a daily basis.

Attachment A-4: Facilities and Infrastructure Recapitalization Projects

Attachment A-4 describes projects that target DM reduction. Since FIRP specifically targets DM reduction, projects that do not substantially reduce the site's baseline DM are not accepted for funding. Projects are prioritized using the FIRRS Matrix, with each project rated for health and safety, environmental and waste management, Safeguards & Security, and mission and investment.

Attachment A-5: Other Facilities and Infrastructure Cost Projection Spreadsheets

Attachment A-5 describes F&I projects associated with other NNSA funded F&I not reported in Attachments A-3 or A-4, as well as those for the institution and non-NNSA programs and activities.

Attachment A-6: Security Infrastructure Projects

Attachment A-6 includes projects listed in A-1 through A-5 and provides a corporate roll-up of ongoing security infrastructure projects.

Planned but unfunded projects are ranked to ensure that management attention and potential resource allocation are focused on the highest priorities.

Attachment A-1
FY2011-2020 Ten-Year Site Plan
Facilities and Infrastructure Cost Projection Spreadsheet
Line Item Projects for NNNSA - LANL Site

		(\$000s)																					
Priority (1)	Project Name (2)	Project Number (3)	Deferred Maint. Identifier(s) (3a)	Mission Dependency (4)	Mission Dependency Program (4a)	Deferred Maint. Reduction (5)	GSF Added or Eliminated (6)	Funding Type (7)	Total (8)	Prior Years Funding (9)	FY 2009 Actual (10)	FY 2010 (11)	FY 2011 FYNSP (12)	FY 2012 FYNSP (13)	FY 2013 FYNSP (14)	FY 2014 FYNSP (15)	FY 2015 FYNSP (16)	FY 2016 (17)	FY 2017 (18)	FY 2018 (19)	FY 2019 (20)	FY 2020 (21)	Comments
D. Other Defense Programs Line Items (for example, Campaigns/Directed Stockpile Work (DSW))																							
	No "Other Defense Programs" Line Items							OPC	-	-	-	-	-	-	-	-	-	-	-	-			
								PE&D	-	-	-	-	-	-	-	-	-	-	-	-			
								LI	-	-	-	-	-	-	-	-	-	-	-	-			
								Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-			
E. Site Stewardship Line Item																							
F	*Sanitary Effluent Reclamation Facility Expansion (SERF)	11-D-801	TBD	MC	PMC	TBD	TBD	OPC	1,100	-	200	900	-	-	-	-	-	-	-	-	99-8549		
								PE&D	-	-	-	-	-	-	-	-	-	-	-	-			
								LI	15,000	-	-	-	15,000	-	-	-	-	-	-	-			
								Total (TPC)	16,100	-	200	900	15,000	-	-	-	-	-	-	-			
Subtotal Costs for All NNNSA Weapons Account Line Items (Does not include TBD)								996,581	422,093	133,757	54,305	116,980	112,122	87,676	24,168	44,980	500	TBD	TBD	TBD			
F. Nuclear Nonproliferation (NN) Line Items																							
	No "Nuclear Nonproliferation" Line Items							OPC	-	-	-	-	-	-	-	-	-	-	-	-			
								PE&D	-	-	-	-	-	-	-	-	-	-	-	-			
								LI	-	-	-	-	-	-	-	-	-	-	-	-			
								Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-			
Total Costs for All NNNSA Site Line Items								-	-	-	-	-	-	-	-	-	44,980	500	-	-			
G. Non-NNSA Line Items																							
	No "Non-NNSA" Line Items							OPC	-	-	-	-	-	-	-	-	-	-	-	-			
								PE&D	-	-	-	-	-	-	-	-	-	-	-	-			
								LI	-	-	-	-	-	-	-	-	-	-	-	-			
								Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-			
Total Costs for Non-NNSA Line Items (OS)								-	-	-	-	-	-	-	-	-	-	-	-	-			
Total Site Costs								996,581	422,093	133,757	54,305	116,980	112,122	87,676	24,168	44,980	TBD	TBD	TBD	TBD			

Attachment A-2

Facilities and Infrastructure Cost Projection Spreadsheet
Proposed Line Item Projects for LANL Site
(\$000s)

Priority (1)	Project Name (2)	Project Number (3)	Deferred Maintenance Identifier(s) (3a)	Mission Dependency (4)	Mission Dependency Program (4a)	Deferred Maintenance Reduction (5)	GSF Added or Eliminated (6)	Funding Type (7)	Total (8)	FY 2010 (9)	FY 2011 FYNSP (10)	FY 2012 FYNSP (11)	FY 2013 FYNSP (12)	FY 2014 FYNSP (13)	FY 2015 FYNSP (14)	FY 2016 (15)	FY 2017 (16)	FY 2018 (17)	FY 2019 (18)	FY 2020 (19)	Comments								
H. NNSA Other Infrastructure Line Items: Program TBD																													
1	*Fire Station Replacements	TBD	TBD	NMD	NA	TBD	40,000	OPC	TBD					TBD	TBD	TBD	TBD												
								PE&D	TBD					TBD	TBD	TBD	TBD												
								LI	TBD					TBD	TBD	TBD	TBD												
								Total (TPC)	20,000-45,000	-	-	-	TBD	TBD	TBD	TBD				-	-								
2	*Sustainable Science, Technology, and Innovation (SUSTAIN) Project	TBD	TBD	NMD	NA	TBD	TBD	OPC						TBD	TBD	TBD	TBD	03-0040											
								PE&D										TBD	TBD	TBD	TBD	03-0132							
								LI										TBD	TBD	TBD	TBD	03-0216							
								(TPC)	TBD	-	-	-	-	-	-	-	TBD	TBD	TBD	TBD	43-0001								
									Total Costs for All NNSA Site Line Items	392,100 - 554,100	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	46-0042							
H. Non-NNSA Line Items Program A																													
No Projects at this time									OPC																				
									PE&D																				
									LI																				
									Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-								
									Total	-	-	-	-	-	-	-	-	-	-	-	-								
I. Proposed Alternative Financed/Leased																													
No Projects at this time									OPC																				
									PE&D																				
									LI																				
									Total (TPC)	-	-	-	-	-	-	-	-	-	-	-	-								
									Total	-	-	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD							
									Total	392,100-554,100	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD							

Attachment A-4

FY2011 - FY2020 Ten-Year Site Plan

NNSA Facilities and Infrastructure Cost Projection Spreadsheet
 Facilities and Infrastructure Recapitalization Program (FIRP) for LANL Site
 (\$000s)

FIRRS Priority (1)	Project Name (2)	FIRRS Score (2a)	Project Number (3)	Deferred Maintenance Identifier (3a)	Mission Dependency (4)	Mission Dependency Program (4a)	Legacy Baseline Deferred Maintenance Reduction (5)	Non-Legacy Deferred Maintenance Reduction (5a)	GSP Added or Eliminated (6)	Funding Type (7)	Total (8)	Prior Years' Funding (9)	FY 2009 Actual (10)	FY 2010 (11)	FY 2011 FYNSP (12)	FY 2012 FYNSP (13)	FY 2013 FYNSP (14)	FY 2014 FYNSP (15)	FY 2015 FYNSP (16)		
	Other																				
20	TA-50-1 Electrical System Refurbishment		LANL-R-11-101	LANL-DM-09D50-05	MC	PMC	2,450		-	GPP	5,000	-			2,000	2,000	1,000				
21	TA-50 Clarifier Refurbishment		LANL-R-11-102	LANL-DM-08D90-01	MC	PMC	378		-	E	2,000	-			2,000						
22	TA-53 and -55 Electrical Systems Deficiencies (LANSCE)		LANL-R-11-103	LANL-DM-08D50-02	MD	DSW	2,693		-	GPP	7,000	-			3,000	2,000	2,000				
23	Bldg 53-0002 HVAC System Deficiencies	55	LANL-R-11-104	LANL-DM-05D30-09	NMD	DSW	3,275		-	GPP/E	5,300	-	-	-	-	2,700	2,600				
24	TA-53-3 Chilled Water System Deficiencies	55	LANL-R-11-105	LANL-DM-05D30-04	MC	DSW	800		-	E	6,000	-	-	-	2,000	2,000	2,000				
25	TA-53-3 208-480V Electrical System Revitalization	55	LANL-R-11-106	LANL-DM-05D50-02	MC	DSW	1,200		-	E	9,000	-	-	-	3,000	3,000	3,000				
26	TA-50 Effluent Discharge System Refurbishment		LANL-R-13-101	LANL-DM-05G30-01A	MC	PMC	3,148		-	GPP	5,000	-					5,000				
27	TA-16 HE Storage/Transportation Consolidation		LANL-R-10-101	LANL-DM09D30-04	MC	DSW	359		-	GPP	4,000	-		2,000	2,000						
28	TA-16-302 Electrical System Deficiencies		LANL-R-13-102	LANL-R-XX-03	MC	DSW	686		-	GPP	5,000	-					5,000				
29	Mechanical Systems DM Reductions (ME)	45	LANL-R-11-107	LANL-DM-07D90-01	MC/MD/NMD	NA	4,109		-	GPP/E	9,750	-	-	-	3,000	2,000	4,750				
30	Site Wide Architectural and Structural DM Reductions	45	LANL-R-11-108	LANL-DM-08C30-03 LANL-R-04-04	MC/MD/NMD	MA	2,839		-	GPP/E	7,700	-	2,200	-	2,000	1,000	2,500				
												TOTAL (FIRP)	213,367	37,057	28,713	25,771	37,782	38,429	45,615	-	-

Attachment A-6(a) - FY 2010 - FY 2012**FY11-2020 Ten-Year Site Plan****NNSA - LANL Facilities and Infrastructure Cost Projection Spreadsheet****Currently Funded Security Infrastructure Projects for LANL Site (\$000s)**

Priority (1)	Project Name (2)	Site Specific Project Number (3)	Mission Dependency (4)	Mission Dependency Program (4a)	Estimated Total Project Cost (8)	Planned Funding Source				
						Line Item A-1,2	RTBF A-3	FIRP A-4	Other A-5	GSP Related? Y or N
List FY10 Projects										
1	NMSSUP II	LANL 05-D-070.1	MC	PMC	240,000	X				Y
List FY11 Projects										
1	NMSSUP II	LANL 05-D-070.1	MC	PMC	240,000	X				Y
2	*Tactical Training Facility	LANL 11-5-7001	NMD	NA	8,600				X	Y
List FY12 Projects										
1	NMSSUP II	LANL 05-D-070.1	MC	PMC	240,000	X				Y
2	*Indoor Firing Range	LANL 12-5-7002	NMD	NA	8,600				X	Y

Attachment A-6(b) - FY11 and FY12 Unfunded**FY11-2020 Ten-Year Site Plan****NNSA - LANL Facilities and Infrastructure Cost Projection Spreadsheet****Security Infrastructure Projects for LANL Site****(\$000s)**

Priority (1)	Prioritization Score (2a)	Project Name (2)	Site Specific Project Number (3)	Mission Dependency (4)	Mission Dependency Program (4a)	Total (8)	Proposed for either FY11 or FY12 funding	GSP Related? Y or N
1	40	Replacement Security Integration Services Building	NA	MD	DNS	4,860	FY12	N
2	40	Consolidated Safeguards and Security Management Building	NA	MD	DNS	4,860	FY12	N
TOTAL						9,720		

Attachment A Notes
TYSP FY2011 - 2020
NNSA Facilities and Infrastructure Cost Projection Spreadsheets
LANL Site

Note #	Subject	Description
General Attachment Notes		
(1)	Priority	Each of the funding types is prioritized in sequential order (from 1 to xyz) for site facilities and infrastructure projects/activities. For funded projects – an “F” is shown in the priority column.
(2)	Project Name	Changes from prior year plan are indicated with an asterisk “*” in front of the applicable Project Name
(3)	Project Number / Project Identification Number	Assigned either by Headquarters for active projects or by the Laboratory for planned projects.
(3a)	Deferred Maintenance Identifier	Unique identifier linked to the Legacy Deferred Maintenance Baseline that will be tracked through the life of the FIRP program.
(4)	Mission Dependency	Defined as Mission Critical (MC); Mission Dependent, Not Critical (MD); or Not Mission Dependent (NMD).
(4a)	Mission Dependency Program	If there is no clear predominant program activity then the Not Applicable (NA) designation is utilized.
(5)	Deferred Maintenance Reduction	Deferred maintenance reduction from the FY03 Deferred Maintenance Baseline (\$000) due directly or indirectly from completion of the project.
(6)	Gross Square Footage	Total gross square footage constructed or eliminated as a result of the project or activity.
(7)	Funding Type	The type of funding associated with each activity / project, as applicable using the following abbreviations: LI: Capital Funded Line Item Project ALT: Alternative Financing OPC: Other Project Costs PE&D: Project Engineering & Design E: Expense GPP: General Plant Project IGPP: Institutional General Plant Project
(8)	Total	Total Project Cost (TPC) sums the OPC, PE&D, and LI cost by fiscal year. Some project costs are yet to be determined (TBD).
(9)	Prior Years Funding	The actual prior years funding associated with the project (sum of the prior years funded through FY 2002 actual) for each funding type is listed.
(10)	FY 2009 Actual	The FY 2010 obligation authority / funding associated with the project
(11)	FY 2010	Reflect the FY2010 appropriation
(12)	FY 2011	Reflects the FY2011 President's budget.
(13)-(17)	FY 2012-FY 2016	Reflects the FYNSP or most current profile.
(18)-(21)	FY 2017-FY 2020	Reflects inflation based rates of 1.9% or latest ICPP.
Attachment A-1 Specific Notes		
(23)	NSSB	This project is 3 phases: Phase 1 - NSSB construction, Phase II - LASO construction, Phase III: Demolition of 03-0043. Phase III uses institutional expense funding, which is considered OPC. The project is anticipated to be complete by FY2012.
(24)	CMRR	This project includes three phases: Phase A: Radiological Laboratory/Utility/Office Building Phase B: Special Facilities Equipment Phase C: Nuclear Facility
(25)	CMR Demolition	NNSA will not initiate CMR D&D activities until completion and operational start-up of the CMRR Nuclear Facility, currently projected to be no earlier than FY2020. The FY2010 Congressional Appropriations states: " As such, budget formulation for CMR D&D is premature. The inclusion of the D&D CMR Facility budget will occur upon the establishment of a project number and update of the FYNSP and ICPP in out year budget cycles. As planning for this D&D activity matures, NNSA may elect to enable this effort as a separate project, execute it as an element of a wider project or program for a portfolio of D&D activities at LANL, or bundle it with other, yet undefined activities."
(26)	RLWTF	Funding profile continues to evolve as the project is developed further.

Attachment A Notes

TYSP FY2011 - 2020

NNSA Facilities and Infrastructure Cost Projection Spreadsheets
LANL Site

Note #	Subject	Description
Table A-2 Specific Notes		
(27)	Central Steam Plant Repowering and Distribution System Revitalization	This project will be in 3 phases. Phase 1- Replacement of TA-3 Steam and Condensate Piping System; Phase 2: Installation of Central Cogeneration Plant, Phase 3: Central Chiller Plant. This project is estimated to reduce the footprint by ~33,570 gsf by replacing a 65,557 gsf steam plant with a heating and power plant building (~22k gsf) and a new chiller plant building (~10k gsf). CAIS tracking numbers: 10344; 10826-832; 11044; 11047-067; 11144-154; 11156-165; 11167; 11169; 11180-182; 11630-687; 12350; 14984-998; 15012-024.
(28)	Electrical Distribution Upgrade	This project will be in 3 phases. Phase 1: Replace substations at TA-3 and TA-53; Phase 2 - Installation of New Underground Duct Bank between WTA and TA-3 Substations; Phase 3: Installation of New Underground Duct Bank between TA3 and ETA Substations, including Routing past TA55 Complex CAIS tracking numbers: 7575; 11495; 11506; 11507; 15218; 15219; 15233; 15234
Attachment A-3 Specific Notes		
(29)	Post FIRP Investments	LANL recognizes that at the conclusion of FIRP, additional investment in real property will be needed.
Attachment A-4 Specific Notes		
(1)	FIRRS Priority	Prioritizes each FIRP project in sequential order. Includes all current and future projects and those prior year projects not yet completed. An "F" indicates that the project is funded.
(2a)	FIRRS Score	Score entered from the Facility and Infrastructure Recapitalization Rating Score matrix as presented in the FIRP PEP.
Attachment A-5 Specific Notes		
Initiation of institutional projects noted are contingent on funding availability as determined through the Laboratory's indirect budget prioritization process.		
(30)	SM-43 (Administration Building) D&D	Institutionally funded (Other Project Costs) component of the Nuclear Security Sciences Building Line Item Project
(31)	Infrastructure projects TBD	Anticipated institutional investment to address a variety of institutional infrastructure needs. These need include: roads, utilities, and facility investments.
Attachment A-6 Specific Notes		
(2a)	Attachment A-6	The Future-Years Nuclear Security Program budget targets currently include funds for projects associated with 2008 GSP Policy implementation.
All future year cost profiles are preliminary due to mission and budget uncertainty.		

Attachment E.

Facilities Disposition and New Construction

The Laboratory's investment in consolidation, modernization and the elimination of obsolete facilities is funded by several DOE programs. Funding programs are selected by aligning the characteristics of a project to the corresponding objectives of the funding source. Funding programs are called out in Attachment E and provide an overview of the cumulative effect of investment on Laboratory efforts to reduce the footprint.

Attachment E-1: Excess Facilities Footprint Elimination Plan

Attachment E-1 describes NNSA, DOE, and non-DOE facilities placed in excess or that will be placed in excess during the 10-year planning horizon of the FY11-20 TYSP. Disposition funding programs include FIRP, RTBF, EM (Environmental Management), EM American Recovery and Reinvestment Act of 2009 Programs, the institution, and project-specific sources.

E-1 of this TYSP includes over one million gsf of space noted as unfunded disposition. While unfunded within the FYNSP timeframe, it is realistic for this disposition to be accomplished within the next 10 years. All excessed structures or structures planned to be excessed have specific excess years noted in FIMS and in E-1. Structures with an excess year defined are also required to have a disposition year noted in FIMS. Therefore, all excessed or planned to be excessed structures at the Laboratory without an identified disposition funding source have a disposition year noted as 2050 in both FIMS and E-1. Unfunded disposition is not included in the footprint summary tables and graphs in E-4.

Attachment E-2: New Construction Footprint Added

DOE's implementation policy requires the Laboratory to offset space added by new construction by removing an equivalent amount of existing space. E-2 captures the gsf of all FYNSP approved and completed construction at the site, along with the year of beneficial occupancy, for LI, GPP, Institutional General Plant Projects, and other approved projects.

Attachment E-3: Leased Space

Attachment E-3 outlines the site's portfolio of FY 2010 leased space and allows for a more accurate report on the total space footprint that is required to support NNSA and other program office missions.

Attachment E-4: Footprint Tracking Summary

This attachment illustrates Laboratory compliance with DOE directives to offset the footprint of new construction projects by the transfer, sale, or demolition of excess buildings and facilities of equal size. E-4a describes NNSA facilities and E-4b describes the footprint of all facilities site-wide.

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Attachment E-1
Facilities Disposition Plan
(Within FYNSP/Outyear Planning Targets)
LANL Site

Funding Source (1)	Facility Identification Number (FIMS) (2)	Facility Name (3)	Deferred Maintenance Identifier (3a)	Mission Dependency Program (4)	Priority Score (5)	Priority Rank (6)	Legacy Deferred Maintenance Reduction (FY03 & FY04 Baseline)	Non-Legacy Deferred Maintenance Reduction (8)	Gross Square Footage (gsf) (9)	Excess Year (10)	Estimated Disposition Year (11)	TEC to Disposition (\$000s) (12)	Yearly S&M Costs (\$000s) (13)	Contaminated (Yes or No) (14)	Notes (15)
2013 Funded Disposition															
EM	21-0257	Rad Liq Wate Disp0	21-0257	NA											
EM	21-0342	Water Tank	21-0342	NA	NA: EM funded D&D for the TA-21 closure project.		199,752	1,718,438	4,227	2010	2013	Included in the EM Funding request for the	13	Yes	
EM	21-0258	*Water Tank	21-0258	NA			-	-	-	2010	2013	-	-	No	
2013 TA-21 EM															
EM	54-0008	Contaminated Drum Storage	54-0008	PMC			-	651	2010	2013					
EM	54-0020	Equipment Shelter Bldg	54-0020	PMC			-	4,499	2010	2013					
EM	54-0048	Tension Support Dome (Pad 5)	54-0048	PMC			-	73,484	12,614	2013	2013	Included in the EM Funding request for the	38	Yes	
EM	54-0224	Tension Support Dome (Pad 5)	54-0224	PMC	NA: EM funded D&D for the TA-54 closure project.		-	22,697	5,829	2013	2013	Support Pit 9 retrieval 10-100 nCi project	17	Yes	
EM	54-0283	Tension Support Dome (Pad 6)	54-0283	PMC			-	1,154	14,439	2012	2013		43	Yes	
EM	54-1027	Mixed Waste Storage Shed	54-1027	PMC			-	-	198	2010	2013	TA-54 Closure Project	1	Yes	
EM	54-1028	Mixed Waste Storage Shed	54-1028	PMC			-	-	198	2010	2013		1	Yes	
EM	54-1030	Mixed Waste Storage Shed	54-1030	PMC			-	-	198	2010	2013		1	Yes	
EM	54-1041	Mixed Waste Storage Shed	54-1041	PMC			-	-	198	2010	2013		1	Yes	
2013 TA-54 EM															
2013 EM								103,731	35,005					105	
2013 Total Disposition															
2014 Funded Disposition															
EM	54-0011	Waste Mgmt Control Facility	54-0011	PMC			-	6,176	1,136	2010	2014		3	Yes	
EM	54-0304	Hvac Equipment Bldg	54-0304	PMC			-	-	104	2010	2014		0	Yes	
EM	54-0306	Trailer	54-0306	PMC			-	12,383	355	2010	2014		1	Yes	
EM	54-0324	Trailer	54-0324	PMC			-	13,433	458	2010	2014		1	Yes	
EM	54-0325	Trailer	54-0325	PMC			-	17,903	996	2010	2014	Included in the EM Funding request for the TA-54 Closure Project	3	Yes	
EM	54-0483	Modified Transportainer	54-0483	PMC	NA: EM funded D&D for the TA-54 closure project.		-	-	160	2010	2014		0	Yes	
EM	54-0033	Tru-Waste Drum Prep	54-0033	PMC			-	27,221	8,325	2013	2014		25	Yes	
EM	54-0049	Tension Support Dome (Pad 3)	54-0049	PMC			-	25,041	25,041	2013	2014		75	Yes	
EM	54-0375	Tension Support Dome	54-0375	PMC			-	11,506	30,150	2013	2014		90	Yes	
EM	54-0412	Decon/ Volume Reduction Sy (Pad 1)	54-0412	PMC			-	19,603	13,284	2014	2014		40	Yes	
2014 TA-54 EM															
2014 Total Disposition															
Total Funded Planned Disposition															
								1,242,534	60,327,216	904,490				2,568	

Attachment E-1
Facilities Disposition Plan
(Within FYNSP/Outyear Planning Targets)
LANL Site

Funding Source (1)	Facility Identification Number (FIMS) (2)	Facility Name (3)	Deferred Maintenance Identifier (3a)	Mission Dependency Program (4)	Priority Score (5)	Priority Rank (6)	Legacy Deferred Maintenance Reduction (FY03 & FY04 Baseline) (8)	Non-Legacy Deferred Maintenance Reduction (9)	Gross Square Footage (gsf) (10)	Excess Year (11)	Estimated Disposition Year (12)	TEC to Disposition (\$000s) (13)	Yearly S&M Costs (\$000s) (14)	Contaminated (Yes or No) (15)	Notes (15)
NNNSA	53-0886	Transportable	53-0886	NA	NA	NA	-	5,948	1,454	2016	2050	87	4	TBD	
NNNSA	53-0889	Trailer	53-0889	NA	NA	NA	-	15,995	372	2016	2050	22	1	TBD	
NNNSA	59-0122	Garage Bomb Shed	59-0122	NA	NA	NA	-	-	553	2016	2050	33	2	TBD	
2016 Excess - Unfunded Disposition								1,368,887	8,332,720	194,373			23,615	583	
NNNSA	43-0001	Health Research Lab	43-0001	NA	NA	NA	765,573	386,916	103,369	2017	2050	20,674	310	TBD	Needs National Register of Historic Places evaluation.
NNNSA	43-0010	Z Sewage Lift Station C114346	43-0010	NA	NA	NA	8,092	1,778	148	2017	2050	9	0	TBD	
NNNSA	43-0012	Warehouse	43-0012	NA	NA	NA	5,900	3,751	1,440	2017	2050	170	4	TBD	
NNNSA	43-0046	*Storage Building	43-0046	NA	NA	NA	-	-	513	2017	2050	33	2	TBD	
2017 Excess - Unfunded Disposition								779,565	392,445	105,470			20,886	316	
Total Unfunded Planned Disposition								15,259,884	41,852,121	1,068,081			154,448	3,250	

Attachment E-1
Facilities Disposition Plan
(Within FYNSP/Outyear Planning Targets)
LANL Site

Funding Source (1)	Facility Identification Number (FIMS) (2)	Facility Name (3)	Deferred Maintenance Identifier (3a)	Mission Dependency Program (4)	Priority Score (5)	Priority Rank (6)	Legacy Deferred Maintenance Reduction (FY03 & FY04 Baseline)	Non-Legacy Deferred Maintenance Reduction (8)	Gross Square Footage (gsf) (9)	Excess Year (10)	Estimated Disposition Year (11)	TEC to Disposition (\$000s) (12)	Yearly S&M Costs (\$000s) (13)	Contaminated (Yes or No) (14)	Notes (15)
Chemistry and Metallurgy Research Complex and Related Facilities⁽¹⁵⁾															
RTBF	03-0029	CMR Laboratory	03-0029	PMC	NA	NA	26,576,201	12,955,387	566,849	TBD			NA	YES	
RTBF	03-0503	Guard Station #321	03-0503	PMC	NA	NA	-	41,054	349	TBD			NA	TBD	
RTBF	03-0564	Equipment Shelter	03-0564	PMC	NA	NA	-	1,301	80	TBD			NA	TBD	
RTBF	03-0586	Mechanical Bldg	03-0586	PMC	NA	NA	-	23,948	336	TBD			NA	TBD	
RTBF	03-1196	Z Switchgear C117796	03-1196	NA	NA	NA	-	-	-	TBD			NA	TBD	
RTBF	03-0154	Hot Waste Pump House	03-0154	PMC	NA	NA	-	1,270	400	TBD			NA	YES	
RTBF	03-1610	Guard Sta #333	03-1610	PMC	NA	NA	-	25,772	288	TBD			NA	TBD	
RTBF	03-1614	Guard Sta #332	03-1614	PMC	NA	NA	-	7,401	64	TBD			NA	TBD	
RTBF	03-1615	Guard Station	03-1615	PMC	NA	NA	-	10,070	64	TBD			NA	TBD	
RTBF	03-2206	Storage Bldg	03-2206	PMC	NA	NA	-	67,374	3,028	TBD			NA	TBD	
CMR Total								26,576,201	13,133,577	571,458				Total not included in E-4	
The following structures are Historical some of which are in excess status. No disposition is planned.															
N/A	06-0037	Concrete Bowl	06-0037	NA	NA	NA	-	-	-		2110	NA	-	TBD	Reinforced Concrete Bowl 200 foot diameter Historical - NOT TO BE DEMOLISHED; Potential Manhattan Project National Historic Landmark
N/A	08-0001	Lab & Shop Bldg	08-0001	NA	NA	NA	-	163,886	3,555	1992	2110	NA	11	TBD	Gun Site
N/A	08-0002	Shop & Storage	08-0002	NA	NA	NA	-	40,702	408	1992	2110	NA	1	TBD	Historical - NOT TO BE DEMOLISHED;
N/A	08-0003	Laboratory Bldg	08-0003	NA	NA	NA	-	20,629	647	1992	2110	NA	2	TBD	DOE Manhattan Project Signature Facility,
N/A	08-0172	Historic Guard Station	08-0172	NA	NA	NA	-	-	49	2006	2110	NA	0		Historical - NOT TO BE DEMOLISHED
N/A	11-0001	Storage Bldg	11-0001	DSW	NA	NA	-	31,078	618	2110	2110	NA	2	Yes	
N/A	11-0002	Control Building	11-0002	DSW	NA	NA	-	11,366	831	2002	2110	NA	2	Yes	Manhattan Project Buildings. Disposition pending resolution of National Park Services survey, 2001.
N/A	11-0003	Control Building	11-0003	DSW	NA	NA	3,007	67,186	529	2009	2110	NA	2	TBD	
N/A	12-0004	Hexagonal Firing Pit	12-0004	NA	NA	NA	-	-	-	2110	2110	NA	NA	TBD	HEXAGONAL SHAPED PIT, 8' SIDES BY 12' DEEP AND LINED INSIDE AND TOP WITH 3/4" STEEL PLATE. Historical - NOT TO BE DEMOLISHED
N/A	14-0006	Storage Building	14-0006	DSW	NA	NA	-	60,930	669	2110	2110	NA	NA	TBD	Manhattan Project Building. Disposition pending resolution of National Park Service survey
N/A	16-0054	Grinding Building	16-0054	DSW	NA	NA	14,309	24,376	3,789	2110	2110	NA	NA		Manhattan Project Building. Disposition pending resolution of National Park Service survey
N/A	16-0058	Magazine	16-0058	NA	NA	NA	-	-	299	2110	2110	NA	1	TBD	Historical - NOT TO BE DEMOLISHED
N/A	16-0410	Assembly Building	16-0410	DSW	NA	NA	-	6,610,088	10,187	2110	2110	NA	NA	Yes	
N/A	16-0411	Assembly Building	16-0411	DSW	NA	NA	-	27,337	2,342	2110	2110	NA	NA	Yes	
N/A	16-0413	Rest House	16-0413	DSW	NA	NA	-	3,353	1,247	2110	2110	NA	NA	Yes	
N/A	16-0414	He Fitting Storage Bldg	16-0414	DSW	NA	NA	-	32,967	8,488	2110	2110	NA	NA	TBD	
N/A	16-0415	He Rest House	16-0415	DSW	NA	NA	-	44,858	4,559	2110	2110	NA	NA	Yes	
N/A	16-0516	Process Bldg	16-0516	DSW	NA	NA	-	117,843	660	1999	2110	NA	2	Yes	V-Site
N/A	16-0517	Equipment Building	16-0517	DSW	NA	NA	-	30,857	318	1999	2110	NA	1	Yes	Historical - NOT TO BE DEMOLISHED
N/A	16-1451	Guard Station	16-1451	NA	NA	NA	-	63,862	187	1999	2110	NA	1	TBD	Historical Candidate- NOT TO BE DEMOLISHED Potential DOE Cold War Signature Facility
N/A	18-0001	Staging Area	18-0001	NA	NA	NA	-	850,481	1,051	2007	2110	NA	3	TBD	Slotin Accident Building Historical - NOT TO BE DEMOLISHED; Potential Manhattan Project National Historic Landmark; historical documentation pending

Attachment E-1
Facilities Disposition Plan
(Within FYNSP/Outyear Planning Targets)
LANL Site

Funding Source (1)	Facility Identification Number (FIMS) (2)	Facility Name (3)	Deferred Maintenance Identifier (3a)	Mission Dependency Program (4)	Priority Score (5)	Priority Rank (6)	Legacy Deferred Maintenance Reduction (FY03 & FY04 Baseline)	Non-Legacy Deferred Maintenance Reduction (8)	Gross Square Footage (gsf) (9)	Excess Year (10)	Estimated Disposition Year (11)	TEC to Disposition (\$000s) (12)	Yearly S&M Costs (\$000s) (13)	Contaminated (Yes or No) (14)	Notes (15)	
N/A	18-0002	Metal Bldg	18-0002	NA	NA	NA	-	-	123	1995	2110	NA	0	TBD	Battleship Building/ Control Bunker Historical - NOT TO BE DEMOLISHED; historical documentation pending.	
N/A	18-0023	Critical Assembly Bldg(Casa#1)	18-0023	NA	NA	NA	-	570,378	2,681	2110	2110	NA	NA	TBD	Historical - NOT TO BE DEMOLISHED; needs NRHP evaluation.	
N/A	18-0026	Vault	18-0026	NA	NA	NA	-	22,478	287	2007	2110	NA	1	TBD	Hillside Vault Historical - NOT TO BE DEMOLISHED; needs NRHP evaluation.	
N/A	18-0029	Pond Cabin	18-0029	NA	NA	NA	-	-	378	2007	2110	NA	1	No	Historical - NOT TO BE DEMOLISHED; On the New Mexico State Register of Historic Places	
NA	18-0186	Other Service Buildings	18-0186	NA	NA	NA	-	13,441	36	1995	2110	NA	0	TBD	Historical - NOT TO BE DEMOLISHED; Long Term (indefinite) Stewardship IAW National Historic Preservation Act	
N/A	22-0001	Loading Bldg	22-0001	NA	NA	NA	-	1,570,441	7,895	1992	2110	NA	24	No	Fatman Assembly Building Historical - NOT TO BE DEMOLISHED; Potential Manhattan Project National Historic Landmark. Long Term (indefinite) Stewardship IAW National Historic Preservation Act	
N/A	33-0027	Guard Station	33-0027	OFO	NA	NA	-	22,306	186	2110	2110	NA	NA	TBD	Historical - NOT TO BE DEMOLISHED Needs NRHP Evaluation.	
N/A	33-0028	Water Tank	33-0028	NA	NA	NA	-	-	-	2110	2110	NA	NA	TBD	Historical - NOT TO BE DEMOLISHED 50,000 GAL CAPACITY, FROM TOP OF FOOTINGS: 61" TO BOTTOM BOWL, 69" TO TOP OF BOWL CYL SECTION, 68" 6 3/4" TO TOP OF CYLINDER SECTION, 38" 8 1/2" DIAMETER.	
N/A	41-0001	Underground Vault	41-0001	NWIR	NA	NA	-	-	7,267	2110	2110	NA	NA	Yes	Historical - NOT TO BE DEMOLISHED, Potential DOE Cold War Signature Facility	
N/A	41-0002	Guard House 318	41-0002	NA	NA	NA	-	-	781	2110	2110	NA	NA	TBD	Historical - NOT TO BE DEMOLISHED	
N/A	41-0003	Blower House	41-0003	NA	NA	NA	-	-	24	2110	2110	NA	NA	TBD	Historical - NOT TO BE DEMOLISHED	
N/A	60-0017	Test Fabrication	60-0017	NA	NA	NA	357,385	133,690	18,213	2110	2110	NA	NA	TBD	Rack Facility Historical - NOT TO BE DEMOLISHED, Potential DOE Cold War Signature Facility	
N/A	60-0019	Test Fabrication C00117882	60-0019	NA	NA	NA	-	65,348	17,318	1998	2110	NA	52	TBD	Rack Facility Historical - NOT TO BE DEMOLISHED Potential DOE Cold War Signature Facility Long Term (indefinite) Stewardship IAW National Historic Preservation Act	
N/A	72-0008	Office Bldg/Former Guard Station	72-0008	DNS	NA	NA	48,039	76,833	264	2110	2110	NA	NA		Historical - NOT TO BE DEMOLISHED	
N/A	73-0015	East Gate (Front) Guard Tower	73-0015	NA	NA	NA	-	226	17,769	592	2110	2110	NA	NA	TBD	Front Gate Guard Tower Historical -NOT TO BE DEMOLISHED, Potential DOE Cold War Signature Facility
Historical Structures Total							422,966	10,694,483	96,478			-	106		Total not included in E-4	

Attachment E-2
New Construction Footprint Added
LANL Site

Funding Source (1)	Project Number (2)	Facility Name ⁽³⁾	Mission Dependency Program (4)	Funding Type (LI, GPP, IGPP) (5)	Project Area (GSF) (6)	Year of Beneficial Occupancy (7)	Notes (8)
FY02 New Construction Total GSF					-		
FY03 New Construction Total GSF					-		
FY04 New Construction Total GSF					48,006		
FY05 New Construction Total GSF					8,617		
FY06 New Construction Total GSF					372,795		
FY07 New Construction Total GSF					7,234		
FY08 New Construction Total GSF					25,173		
FY09 New Construction							
DSW	LANL-09-	Stockpile Systems Detonator Storage (22-0172)	DSW	GPP	1,418	2009	
DSW	LANL-09-	Stockpile Systems Detonator Storage (22-0173)	DSW	GPP	473	2009	
FY09 New Construction Total GSF					1,891		
Total Previous Construction (FY2002-2009)					463,716		
FY10 New Construction							
CGRP	LANL-01-D703	TA-50 Pump House Influent Storage Facility (50-0250)	PMC	LI	20,100	2010	Waste Mitigation/ Risk Management Project
S&S	LANL-08-D-701	Utility Building (TA-55)	PMC	LI	2,000	2010	NMSSUP II
FY10 New Construction Total GSF					22,100		
FY11 New Construction							
RTBF	LANL-04-D-125	Chemistry and Metallurgy Research Replacement Project- Radiological Laboratory /Utility /Office Building	PMC	LI	208,125	2011	CMRR
S&S	LANL-08-D-701	West Side Entry Control Center (TA-55)	NA	LI	1,500	2011	NMSSUP II
S&S	LANL-5-10-7001	*Tactical Training Facility	NA	GPP	18,000	2011	S&S
NA-22	LANL-5-10-2201	*TA-48 Mass Spectrometer Building	NN	GPP	3,000	2011	
FY11 New Construction Total GSF					230,625		
FY12 New Construction							
S&S	LANL-08-D-701	East Side Entry Control Center (TA-55)	PMC	LI	9,000	2012	NMSSUP II
S&S	LANL-5-10-7002	*Indoor Fire Range	NA	GPP	43,000	2012	S&S
TBD	LANL-5-10-1001	TA-53 WNR NS2 Building	NA	GPP	3,650	2012	
FY12 New Construction Total GSF					55,650		
FY13 New Construction							
IGPP	LANL-08-434	Construct Wellness Center Replacement	NA	IGPP	10,000	2013	
RTBF	LANL-07-P-0101	Explosive Gas Gun Facility (40-0115)	SCI	GPP	4,300	2013	
RTBF	LANL-11-D-801	UPS Building	PMC	LI	2,000	2013	TRP II Phase C
FY13 New Construction Total GSF					16,300		
FY14 New Construction							
IGPP	LANL-08-429	Computing and Communications Operations Building	NA	IGPP	8,000	2014	
RTBF	LANL-07-D-220	Radioactive Liquid Waste Treatment Facility Upgrade	PMC	LI	16,000	2014	
FY14 New Construction Total GSF					16,000		
FY15 New Construction							
RTBF	LANL-09-D-XXX	Transuranic Waste Facility	PMC	LI	28,700	2015	
FY15 New Construction Total GSF					28,700		
Total New Construction (FY2010-FY2016)					369,375		
TBD New Construction							
RTBF	LANL-04-D-125	Chemistry and Metallurgy Research Replacement Project - Nuclear Facility	PMC	LI	406,000	TBD	CMRR
TBD New Construction Total GSF					406,000		

Attachment E-3
FY 2010 Leased Space
LANL Site

#	FIMS # (2)	Property Name (3)	Mission Dependency Program (4)	Mission Dependency (5)	# Occupants (6)	Gross Square Feet (7)	Rental Rate per Rentable s.f. (8)	Annual Cost (9)	Lease Type (10)	Lease Term - yrs. (11)	Exp. Month / Year (12)	Renewal Options (13)
1	00-0199	Canyon School	NA	NA	1				Unserviced	5		
2	00-0480	Pajarito School	NA	NA	163				Unserviced	5		
3	00-0548	Shannon Bldg 1	NA	NA	17				Unserviced	3		
4	00-0549	Shannon Bldg 2	NA	NA	0				Unserviced	3		
5	00-0726	Diversity Office	NA	NA	18				Unserviced	5		
6	00-0758	Museum Fabrication Shop	NA	NA	0				Unserviced	5		
7	00-0759	Office Bldg	NA	NA	0				Unserviced	5		
8	00-0760	General Law Office	NA	NA	52				Unserviced	5		
9	00-0762	Office Bldg	NA	NA	22				Unserviced	5		
11	00-0767	Central Park Square	NA	NA	23				Unserviced	5		
12	00-0767-A	Central Park Square	NA	NA	90				Unserviced	5		
13	00-0767-B	Central Park Square	NA	NA	4				Full	5		
14	00-0769	Office Building	NA	NA	209				Unserviced	5		
15	00-0770	Office Building	NA	NA	9				Unserviced	5		
5	00-0771	Office and Training Center	NA	NA	0				Full	5		
17	00-0772	Office Building	NA	NA	8				Unserviced	5		
18	00-0786	Office Building	NA	NA	268				Unserviced	5		
19	00-0787	Office Building	NA	NA	222				Unserviced	5		
20	00-0793	Office Bldg	NA	NA	12				Full	5		
21	00-0850	Transportable	NA	NA	0				Full	5		
22	00-1197	Mesa School	NA	NA	17				Unserviced	5		
23	00-1237	Pueblo School	NA	NA	171				Unserviced	5		
25	00-1308	Training Cntr	NA	NA	35				Full	5		
26	00-1309	Bradbury Science Museum	NA	NA	8				Unserviced	5		
28	00-1317	Office Bldg.	NA	NA	20				Unserviced	3		
29	00-1320	Transportable	NA	NA	0				Full	5		
30	00-1325	TSC Dev Office	NA	NA	155				Unserviced	5		
31	00-1328	White Rock Office Park	NA	NA	7				Unserviced	5		
32	00-1329	White Rock Office Park	NA	NA	2				Unserviced	5		
33	00-1330	TRK - 195 East Rd, Suite 103	NA	NA	58				Full	5		
34	00-1331	White Rock Shopping Cntr Suite P	NA	NA	50				Full	5		
35	00-1355	Exhibit Warehouse	NA	NA	0				Unserviced	5		
36	00-1356	Exhibit Warehouse	NA	NA	0				Unserviced	5		
37	03-4200	LA Research Park	NA	NA	106				Unserviced	5		
38	46-0577	Transportable (5-Plex)	NA	NA	147				Unserviced	5		
39	46-0578	Transportable (6-Plex)	NA	NA	25				Unserviced	5		
40	48-0234	Transportable	NA	NA	14				Unserviced	5		
41	48-0235	Transportable	NA	NA	13				Unserviced	5		
42	CARLS1	E-Division Carlsbad Office	EM	EM	45				Full	5		
43	CARLS2	Carlsbad Warehouse	EM	EM	0				Full	5		
Total FY08 GSF All Programs Facilities												

Attachment E-4(a)

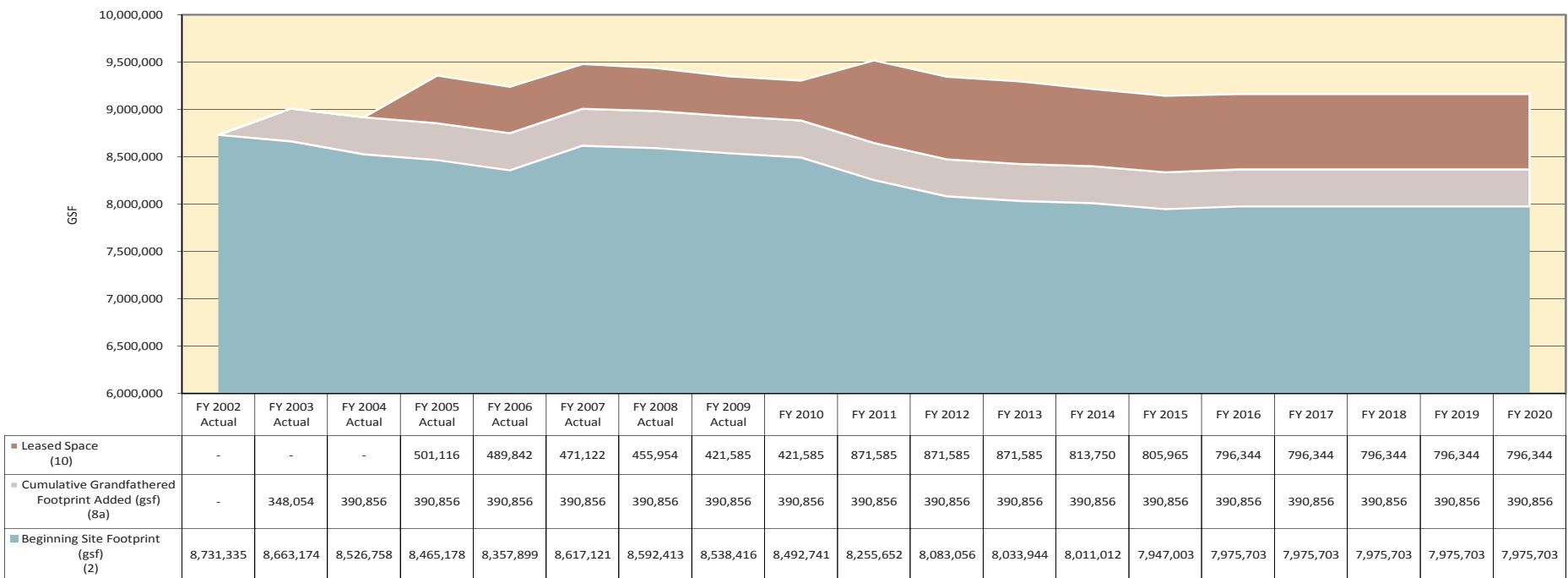
FY11-2020 Ten-Year Site Plan

FOOTPRINT TRACKING SUMMARY SPREADSHEET

LANL Site Footprint Tracking Summary - NNSA

Fiscal Year (1)	Beginning Site Footprint (gsf) (2)	Excess Facilities Footprint Elimination (gsf) (3)	New Construction Footprint Added (gsf) (4)	Site Footprint Reduction by FY (5)	Footprint "Banked" (gsf) (6)	Waiver/ Transfer (gsf) (7)	"Grandfathered" Footprint Added (gsf) (8)	Cumulative Grandfathered Footprint Added (gsf) (8a)	Site Total Footprint (Multi-Program) (gsf) (9)	Leased Space (10)	Weapons Activity Account (gsf) (11)
FY 2002 Actual	8,731,335	(68,161)	-	8,663,174	-68,161	-	-	-	8,663,174	NA	NA
FY 2003 Actual	8,663,174	(136,416)	-	8,526,758	-204,577	-	348,054	348,054	8,874,812	NA	NA
FY 2004 Actual	8,526,758	(109,586)	48,006	8,465,178	-266,157	-	42,802	390,856	8,856,034	NA	NA
FY 2005 Actual	8,465,178	(115,896)	8,617	8,357,899	-373,436	-	-	390,856	8,748,755	501,116	NA
FY 2006 Actual	8,357,899	(78,628)	337,850	8,617,121	-114,214	-	-	390,856	9,007,977	489,842	3,766,926
FY 2007 Actual	8,617,121	(31,942)	7,234	8,592,413	-138,922	-	-	390,856	8,983,269	471,122	4,058,796
FY 2008 Actual	8,592,413	(79,170)	25,173	8,538,416	-192,919	-	-	390,856	8,929,272	455,954	4,031,257
FY 2009 Actual	8,538,416	(47,566)	1,891	8,492,741	-238,594	-	-	390,856	8,883,597	421,585	3,713,767
FY 2010	8,492,741	(259,189)	22,100	8,255,652	-475,683	-	-	390,856	8,646,508	421,585	3,706,520
FY 2011	8,255,652	(403,221)	230,625	8,083,056	-648,279	-	-	390,856	8,473,912	871,585	3,862,930
FY 2012	8,083,056	(104,762)	55,650	8,033,944	-697,391	-	-	390,856	8,424,800	871,585	3,788,850
FY 2013	8,033,944	(39,232)	16,300	8,011,012	-720,323	-	-	390,856	8,401,868	871,585	3,758,145
FY 2014	8,011,012	(80,009)	16,000	7,947,003	-784,332	-	-	390,856	8,337,859	813,750	3,689,836
FY 2015	7,947,003	-	28,700	7,975,703	-755,632	-	-	390,856	8,366,559	805,965	3,689,836
FY 2016	7,975,703	-	-	7,975,703	-755,632	-	-	390,856	8,366,559	796,344	3,689,836
FY 2017	7,975,703	-	-	7,975,703	-755,632	-	-	390,856	8,366,559	796,344	3,689,836
FY 2018	7,975,703	-	-	7,975,703	-755,632	-	-	390,856	8,366,559	796,344	3,689,836
FY 2019	7,975,703	-	-	7,975,703	-755,632	-	-	390,856	8,366,559	796,344	3,689,836
FY 2020	7,975,703	-	-	7,975,703	-755,632	-	-	390,856	8,366,559	796,344	3,689,836

Attachment E-4(a)
 FY11-2020 Ten-Year Site Plan
 FOOTPRINT TRACKING SUMMARY GRAPH
 LANL Site Space Tracking Summary - NNSA

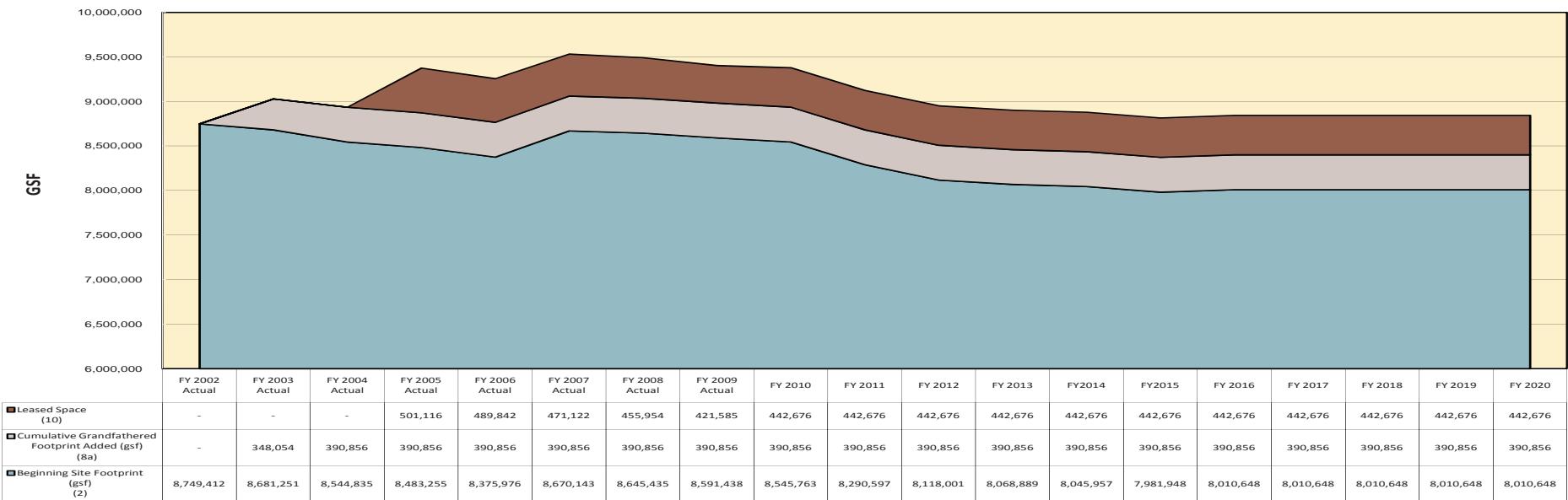


Attachment E-4(b)
FY11-20 LANL Ten-Year Site Plan
FOOTPRINT SUMMARY SPREADSHEET

LANL Footprint Tracking Summary - SITE WIDE (Multi-Program)

Fiscal Year (1) FY11-2020 Ten-Year Site Plan	Beginning Site Footprint (gsf) (2)	Excess Facilities Footprint Elimination (gsf) (3)	New Construction Footprint Added (gsf) (4)	Site Footprint Reduction by FY (5)	Footprint "Banked" (gsf) (6)	Waiver/ Transfer (gsf) (7)	"Grandfathered" Footprint Added (gsf) (8)	Cumulative Grandfathered Footprint Added (gsf) (8a)	Site Total Footprint (Multi- Program) (gsf) (9)	Leased Space (10)
FY 2002 Actual	8,749,412	(68,161)	-	8,681,251	(68,161)	-	-	-	8,681,251	NA
FY 2003 Actual	8,681,251	(136,416)	-	8,544,835	(204,577)	-	348,054	348,054	8,892,889	NA
FY 2004 Actual	8,544,835	(109,586)	48,006	8,483,255	(266,157)	-	42,802	390,856	8,874,111	NA
FY 2005 Actual	8,483,255	(115,896)	8,617	8,375,976	(373,436)	-	-	390,856	8,766,832	501,116
FY 2006 Actual	8,375,976	(78,628)	372,795	8,670,143	(79,269)	-	-	390,856	9,060,999	489,842
FY 2007 Actual	8,670,143	(31,942)	7,234	8,645,435	(103,977)	-	-	390,856	9,036,291	471,122
FY 2008 Actual	8,645,435	(79,170)	25,173	8,591,438	(157,974)	-	-	390,856	8,982,294	455,954
FY 2009 Actual	8,591,438	(47,566)	1,891	8,545,763	(203,649)	-	-	390,856	8,936,619	421,585
FY 2010	8,545,763	(277,266)	22,100	8,290,597	(458,815)	-	-	390,856	8,681,453	442,676
FY 2011	8,290,597	(403,221)	230,625	8,118,001	(631,411)	-	-	390,856	8,508,857	442,676
FY 2012	8,118,001	(104,762)	55,650	8,068,889	(680,523)	-	-	390,856	8,459,745	442,676
FY 2013	8,068,889	(39,232)	16,300	8,045,957	(703,455)	-	-	390,856	8,436,813	442,676
FY 2014	8,045,957	(80,009)	16,000	7,981,948	(767,464)	-	-	390,856	8,372,804	442,676
FY 2015	7,981,948	-	28,700	8,010,648	(738,764)	-	-	390,856	8,401,504	442,676
FY 2016	8,010,648	-	-	8,010,648	(738,764)	-	-	390,856	8,401,504	442,676
FY 2017	8,010,648	-	-	8,010,648	(738,764)	-	-	390,856	8,401,504	442,676
FY 2018	8,010,648	-	-	8,010,648	(738,764)	-	-	390,856	8,401,504	442,676
FY 2019	8,010,648	-	-	8,010,648	(738,764)	-	-	390,856	8,401,504	442,676
FY 2020	8,010,648	-	-	8,010,648	(738,764)	-	-	390,856	8,401,504	442,676

ATTACHMENT E-4(b)
FY11-FY2020 Ten-Year Site Plan
FOOTPRINT SUMMARY GRAPH
LANL Site Wide Footprint Tracking Summary - SITE WIDE (Multi-Program)



Attachment E Notes
FY09-2018 Ten-Year Site Plan
Facilities Disposition Plan Notes
LANL Site

All	
Attachment E does not include any of the planned projects in A-2.	
E-1	
(1) Funding Source	An Asterisk "*" placed in Funding Source indicates the facility is included in Attachment B.
(2) Facility Identification Number	Facility Information Management System Identification Number
(3) Facility Name	An Asterisk "*" placed with the Facility Name indicates a change from prior TYSP.
(3a) Deferred Maintenance Identifier	DM identifier associated with disposition of facility based on congressional Tables.
(4) Mission Dependency Program	Consistent with FIMS
(5) Priority Score	Facilities starting demolition in FY10 are indicated "In Progress". Facilities without funding source are not prioritized at this time. Disposition strategies will be facility groupings based on structure type and geographical locations.
(6) Priority Rank	Rank of priority by fiscal year and program.
(7) Legacy Deferred Maintenance Reduction (FY03 & FY04 Baseline)	Reflects the DM reduction associated with the site's Legacy DM Baseline (FY2003 and FY2004)
(8) Non-Legacy Deferred Maintenance Reduction	Reflects the CM associated with the project (FY2005 and later)
(9) Gross Square Footage	Consistent with FIMS.
10) Excess year	Actual year the OECM determination was made that the facility is excess to DOE's needs. Dates may differ from the FIMS snapshot due to update of plans. FIMS will be updated with TYSP dates when TYSP is published.
(11) Estimated Disposition Year	The year the facility is expected to be dispositioned. Dates may differ from the FIMS snapshot due to update of plans. FIMS will be updated with TYSP dates when TYSP is published. Unfunded projects will have a future disposition year of "2050" to satisfy the FIMS definition and to represent an unfunded project.
(12) TEC to Disposition	TEC values are parametric and are Rough Order Magnitude (Should not be used for formal baseline establishment). Facilities in the unfunded disposition category do not have an escalation rate assumed because disposition year is unknown.
(13) Yearly S&M Costs	Based on \$3.00 per square foot.
(14) Contaminated Facility	Identification of contaminated facilities. These facilities have structural components and/or systems contaminated with hazardous chemicals and/or radioactive substances, including radionuclide. This definition excludes facilities that contain no residual hazardous substances other than those present in building materials and components, such as asbestos-containing material, lead based paint, or PCB-containing equipment. This definition excludes facilities in which bulk or containerized hazardous substances, including radionuclides, have been used or managed if no contaminants remain in or on structural components and/or systems.
(15) CMR Demolition	NNSA will not initiate CMR D&D activities until completion and operational start-up of the CMRR Nuclear Facility, currently projected to be no earlier than FY2020. The FY2010 Congressional Appropriations states: "As such, budget formulation for CMR D&D is premature. The inclusion of the D&D CMR Facility budget will occur upon the establishment of a project number and update of the FYNSP ICPP in out year budget cycles. As planning for this D&D activity matures, NNSA may elect to enable this effort as a separate project, execute it as an element of a wider project or program for a portfolio of D&D activities at LANL, or bundle it with other, yet undefined activities."
E-2	
(3) Facility Name	An Asterisk "*" placed with the Facility Name indicates a change from prior TYSP.
Gross square feet reported for future years is estimated. Therefore, gsf for prior fiscal years may be changed due to reporting of actual gsf.	
E-4	
E-4a	WAA definition of accounts changed from FY08-17 TYSP guidance.
E-4a and E-4Bb	
Difference between NNSA footprint and the Sitewide Footprint Summary Spreadsheet:	
1. Addition of the Center for Integrated Nanotechnology (34,945 sq. ft.) in 2006, funded by Office of Science	
2. Elimination of the TSTA facility (18,077 sq. ft.) transferred by Office of Science to EM. Disposition by EM-ARRA in FY2010.	
NOTES:	
1. CMR and related facilities will be dispositioned in a year yet to be determined (571,458 gsf), not included in Excess Facilities Footprint Elimination field.	
2. Leased space is not included in the Site Total Footprint gsf column. Future leased space includes the proposed Science Complex.	
All	
Totals for years prior to FY10 may have been changed since the previous TYSP to reflect actual gsf instead of estimated gsf.	

Attachment F.

Legacy Deferred Maintenance Baseline and Projected Deferred Maintenance Reduction

Attachment F reports the NNSA maintenance requirements baseline for assessing actual and planned progress toward reducing DM. Attachment F-1 describes the FY03 and FY04 legacy DM baseline and reflects DM reductions against this the baseline. It allows FIRP to track it's execution and National commitment to eliminate \$900M of legacy DM by FY13.

Attachment F-2 reflects the actual and projected trends (growth and reductions) for total DM and reports Laboratory progress in achieving NNSA's DM reduction goals, and the sites maintenance requirements.

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Category of Maintenance	Attachment F-1 FY11-2020 Ten-year Site Plan FIRP FY 2003 Legacy Deferred Maintenance Baseline and Projected Deferred Maintenance Reduction from Baseline NNSA - LANL Site (\$000s)																		
	FY 2003 (Baseline)	FY 2004 (Actual)	FY 2005 (Actual)	FY 2006 (Actual)	FY 2007 (Actual)	FY 2008 (Actual)	FY 2009 (Actual)	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
	1. FIRP DEFERRED MAINTENANCE (DM) BASELINE <i>(Excludes Programmatic Real Property or Equipment)</i>	564,243	429,439	359,144	301,146	279,395	268,883	291,270	262,939	229,592	219,808	206,293	206,259	206,259	206,259	206,259	206,259	206,259	
	2. DEFERRED MAINTENANCE BASELINE (DM) REDUCTION TOTAL	24,770	134,803	115,916	57,478	57,037	10,512	21,981	16,608	27,986	7,945	6,519	-	-	-	-	-	-	
A. Reduction in DM Baseline (total due to FIRP ONLY) for all F&I	24,770	27,424	63,355	23,056	10,862	10,301	6,808	7,806	4,440	7,000	6,000	-	-	-	-	-	-	-	
i. Reduction in DM for <u>Mission-Critical F&I</u> (due to FIRP ONLY)				2,322	2,569	8,995	6,465	7,806	3,744	7,000	6,000	-	-	-	-	-	-	-	
ii. Reduction in DM for <u>Mission Dependent, Not Critical F&I</u> (due to FIRP ONLY)				7,987	2,772	196	343	-	696	-	-	-	-	-	-	-	-	-	
iii. Reduction in DM for <u>Not Mission Dependent F&I</u> (due to FIRP ONLY)				12,747	5,521	1,110	-	-	-	-	-	-	-	-	-	-	-	-	
3. REPLACEMENT PLANT VALUE (RPV) FOR NNSA FACILITIES & INFRASTRUCTURE	5,623,221																		

Attachment F-2 FY11-2020 Ten-Year Site Plan NNSA Total Deferred Maintenance and Projected Deferred Maintenance Reduction NNSA - LANL Site (\$000s)																			
Category of Maintenance	FY 2003 (Baseline)	FY 2004 (Actual)	FY 2005 (Actual)	FY 2006 (Actual)	FY 2007 (Actual)	FY 2008 (Actual)	FY 2009 (Actual)	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
1. ANNUAL REQUIRED MAINTENANCE for F&I	107,124	109,313	111,620	102,814	105,284	143,670	153,032	166,380	170,207	173,951	178,126	182,401	186,779	191,261	195,852	200,552	205,365	210,294	
2. ANNUAL PLANNED MAINTENANCE TOTAL	88,222	107,523	107,450	95,224	91,466	98,990	137,752	139,890	148,141	151,400	155,033	158,754	162,564	166,466	170,461	174,552	178,741	183,031	
a. Direct	41,804	48,716	49,076	48,752	41,609	44,541	71,726	57,110	58,424	59,709	61,142	62,609	64,112	65,651	67,226	68,840	70,492	72,184	
b. Indirect	46,418	58,807	58,373	46,472	49,857	54,449	66,026	82,780	89,717	91,691	93,891	96,145	98,452	100,815	103,235	105,712	108,249	110,847	
3. DEFERRED MAINTENANCE (DM) TOTAL (Excludes Programmatic Real Property or Equipment) = Inflation Prior Year DM Total + DM New - Prior Year DM Reduction	564,243	546,979	455,113	465,773	457,868	466,916	824,969	742,214	700,794	693,775	691,454	710,546	731,130	753,028	770,290	800,970	827,121	854,801	
i. Backlog Inflation Rate (%)	2.3%	2.6%	5.5%	5.7%	2.6%	2.5%	-0.3%	2.3%	2.2%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	
ii. DM Inflation	12,978	14,221	25,093	26,609	11,905	11,660	(2,475)	17,071	15,417	16,651	16,595	17,053	17,547	18,073	18,631	19,223	19,851		
iii. DM NEW	36,276	8,487	12,326	10,151	8,880	542,812	41,311	1,211	1,575	2,172	2,731	3,531	4,351	5,189	6,049	6,928	7,829		
A. DM, Mission-Critical F&I ONLY	136,731	139,943	138,299	127,557	102,602	97,565	90,944	82,179	84,964	88,031	91,390	95,054	99,035	103,347	108,003				
B. DM, Mission-Dependent, Not Critical F&I ONLY	71,575	63,971	65,087	94,808	88,914	82,344	81,041	75,894	78,193	80,905	83,822	86,952	90,304	93,886	97,708				
C. DM, Not Mission-Dependent F&I ONLY	257,467	253,954	263,030	602,605	550,698	520,884	521,790	533,381	547,388	562,194	577,816	594,284	611,631	629,889	649,091				
4. DEFERRED MAINTENANCE (DM) REDUCTION TOTAL	24,770	28,110	114,574	60,508	78,414	12,237	195,919	121,591	59,703	24,011	21,144	234	-	-	-	-	-		
1. Reduction Total attributed to FIRP ONLY	24,770	28,110	40,691	23,172	19,372	11,995	13,983	7,806	4,440	7,000	6,000	-	-	-	-	-	-		
2. Reduction attributed to FIPR ONLY				40,617	44,985	9,333	16,240	24,572	7,559	9,110	11,494	-	-	-	-	-	-		
3. Reduction attributed to FIRP ONLY				6,873	7,790	9,333	9,609	7,806	3,744	7,000	6,000	-	-	-	-	-	-		
4. Reduction in DM for Mission-Dependent, Not Critical F&I				10,439	3,242	1,389	6,455	5,646	9,665	3,928	7,953	221	-	-	-	-	-		
5. Reduction attributed to FIRP ONLY				10,402	2,723	1,389	711	-	696	-	-	-	-	-	-	-	-		
6. Reduction in DM for Not Mission-Dependent F&I				9,452	30,187	1,515	173,224	91,373	42,480	10,972	1,698	13	-	-	-	-	-		
7. Reduction attributed to FIRP ONLY				5,897	8,859	1,233	3,663	-	-	-	-	-	-	-	-	-	-		
5. REPLACEMENT PLANT VALUE (RPV) for Facilities and Infrastructure (F&I) = Inflation of PY RPV + Increase or Decrease due to other causes	5,623,221	5,742,511	5,775,207	6,376,986	6,673,911	7,635,262	11,212,851	11,254,932	11,527,608	11,759,584	12,047,539	12,327,529	12,623,390	12,926,351	13,236,584	13,554,262	13,879,564	14,212,674	
A. RPV for Mission-Critical F&I ONLY	3,051,571	3,289,260	3,832,214	5,437,132	5,420,820	5,545,499	5,667,500	5,803,520	5,954,939	6,097,858	6,244,206	6,394,067	6,547,525	6,704,666	6,865,578				
B. RPV for Mission-Dependent, Not Critical F&I	442,276	448,262	522,186	1,022,917	1,032,833	1,215,035	1,223,751	1,248,395	1,260,372	1,290,621	1,321,596	1,353,314	1,385,794	1,419,053	1,453,110				
C. RPV for Not Mission-Dependent F&I	2,883,138	2,936,389	3,280,862	4,752,803	4,801,279	4,767,073	4,868,334	4,995,624	5,112,218	5,234,911	5,360,549	5,489,202	5,620,943	5,755,845	5,893,986				
D. RPV Increase from prior year attributed to inflation (provide separate supporting narrative behind F-2 exhibit)	560,452	478,765	173,522	190,882	(33,639)	258,863	253,607	282,230	289,141	295,861	302,961	310,232	317,678	325,302	333,110				
E. RPV Increase / decrease attributed to causes other than inflation (provide separate supporting narrative behind F-2 exhibit)																			
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	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2018	
FCI TOTAL	10.0%	9.5%	7.9%	7.3%	6.9%	6.1%	7.4%	6.6%	6.1%	5.9%	5.7%	5.8%	5.8%	5.8%	5.9%	5.9%	6.0%	6.0%	
FCI Mission Critical					4.5%	4.3%	3.6%	2.3%	1.9%	1.8%	1.6%	1.4%	1.4%	1.4%	1.5%	1.5%	1.5%	1.6%	
FCI Mission Dependent, Not Critical					16.2%	14.3%	12.5%	9.3%	8.6%	6.8%	6.6%	6.3%	6.2%	6.3%	6.4%	6.5%	6.6%	6.7%	
FCI Not Mission Dependent					8.9%	8.6%	8.0%	12.7%	11.5%	10.9%	10.7%	10.7%	10.7%	10.7%	10.8%	10.9%	10.9%	11.0%	
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	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2018	
ACI TOTAL	90.0%	90.5%	92.1%	92.7%	93.1%	93.9%	92.6%	93.4%	94.1%	94.2%	94.2%	94.1%	94.0%	94.0%	94.0%	94.0%	94.0%	94.0%	
ACI Mission Critical					95.5%	95.7%	96.4%	97.7%	98.1%	98.2%	98.4%	98.6%	98.6%	98.5%	98.5%	98.5%	98.5%	98.5%	98.4%
ACI Mission Dependent, Not Critical					83.8%	85.7%	87.5%	90.7%	91.4%	93.2%	93.4%	93.9%	93.8%	93.7%	93.6%	93.5%	93.4%	93.3%	
ACI Not Mission Dependent					91.1%	91.4%	92.0%	87.3%	88.5%	89.1%	89.3%	89.3%	89.2%	89.2%	89.2%	89.1%	89.1%	89.0%	

Attachment F Notes
FY11-2020 Ten-Year Site Plan Draft
NNSA Total Deferred Maintenance and Projected Deferred Maintenance Reduction
NNSA - LANL Site
($\$000s$)

Notes	
F-1 2.A.i Reduction in DM for Mission Critical CMR Roof DM	CMR Roof DM of \$29,350,855 was taken in 2005 and the remainder of the DM is still included in FY 2010.
F-2 5.E RPV Increase / decrease attributed to causes other than inflation	The RPV for 2008 was adjusted based on the <i>FY07 Source Method for Replacement Plant Values (RPV) Calculation of FIMS Buildings and Trailers</i> dated 3/1/07. Specifically the site factor for laboratory type facilities was increased from 0.921 to the FIMS default value of 1.568. Additionally, five unique facilities and the OSFs were escalated by 3.9 % RPV changes for the remaining years (FY09 to FY18) were based on the removal and addition of facilities. Significant increases are due to adding CMRR-RLUOB in FY11.
F-2 3. DM Total FY 2008	Total year-end FY08 DM reported in FIMS increased by almost 91% to \$875M. This increase, predominately for Non-Mission Dependent facilities, was due to updated facility inspections (6%), corrected DM for shutdown facilities (26%), and revised utility DM from previous inspections (67%). Also the DM for Excess Facilities was reactivated until complete D&D.
F-2 3.iii DM New FY 2010	The New DM for 2010 was adjusted to include utility, road and ground DM, which was not captured in the original projections.
All future year cost data are preliminary due to mission and budget uncertainty.	

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Acronyms

CMRR	Chemistry and Metallurgy Research Replacement Facility
D&D	decontamination and demolition
DM	deferred maintenance
DOE	Department of Energy
EM	Environmental Management
F&I	facilities and infrastructure
FCI	Facility Condition Index
FIRP	Facilities and Infrastructure Recapitalization Program
FIRRS	Facility and Infrastructure Recapitalization Ranking System
GPP	General Plant Projects
gsf	gross square feet
ICPP	Integrated Construction Program Plan
INP	Integrated Nuclear Planning
LI	Line-Item
MC	Mission Critical
MDNC	Mission Dependent, Not Critical
NNSA	National Nuclear Security Administration
NMD	Not Mission Dependent
NSE	Nuclear Security Enterprise
NWIR/EO	Nuclear Weapons Incident Response/Emergency Operations
RTBF	Readiness in Technical Base and Facilities
S&M	surveillance and maintenance
SERF	Sanitary Effluent Reclamation Facility
TA	Technical Area
TBD	to be determined

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