

FY15 GPP/IGPP Congressional Notification

September 20, 2013

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**U.S. DEPARTMENT OF
ENERGY**



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Sandia Requested GPP/IGPP projects requiring FY15 Congressional Notification



- TTR: Building 03-57 Utility Tower Addition (NW-GPP – *start requested in FY14*)
- TTR: Replacement of 03-51 Administration Building (NW-GPP – FY15 start)
- CA: Site Reconfiguration IGPP (IGPP – FY15 start)
- NM: Building 705 IGPP (IGPP – *start requested in FY14*)
- NM: Integrated Systems Analysis and Studies (ISAS) Facility (IGPP – *start requested in FY14*)
- NM: International Center for Laboratory Risk Management (Non-NNSA funded GPP – FY15 start)
- NM: Building 895 Staging/Evaluation Addition (Non-NNSA funded GPP – FY15 start)

Building 03-57 Utility Tower Addition

Sandia National Laboratories / Tonopah Test Range



Project Need/Scope Statement:

The utility tower addition on the south side of Building 03-57 is required to sustain NW test operations at the Tonopah Test Range (TTR). The construction includes betterments to the mechanical and electrical systems and infrastructure. It also addresses current needs for restroom and elevator (ADA) access to all floors.



Justification

Provides ADA, HVAC , and electrical upgrades to an important TTR building and mitigates the risk of data collection, power, cooling, lightning protection, fire and security alarm malfunction.

All test operations at TTR supporting the B61-LEP test and evaluation program as well as future surveillance testing require the Tower be operational.

TEC Funding (\$M)

TEC: \$6.1M

	FY14	FY15	FY16	FY17
Plan				
Design	0.36			
Const		5.74		
Total	0.36	5.74		

Replacement of 03-51 Administration Building

Sandia National Laboratories / Tonopah Test Range



Project Need/Scope Statement:

This GPP will result in a new structure that replaces four buildings (03-50, 51, 81, & 82), including the old administration facility, and consolidates all administrative functions for enhanced effectiveness/efficiency at Tonopah Test Range where significant testing will occur supporting the B61-LEP.



Justification

The NW-funded GPP is a cost effective investment to consolidate all administrative functions on-site, reducing considerable prior accumulated deferred maintenance, reducing future O&M issues and allowing for removal of ~14K GSF in buildings that have outlived their designed service lives. A separate D&D project will eliminate four buildings meeting the OMB "Freeze the Footprint" order.

TEC Funding (\$M)

TEC: \$9.3M

	FY15	FY16	FY17	FY18
Plan				
Design	0.57			
Const			8.73	
Total	0.57	8.73		

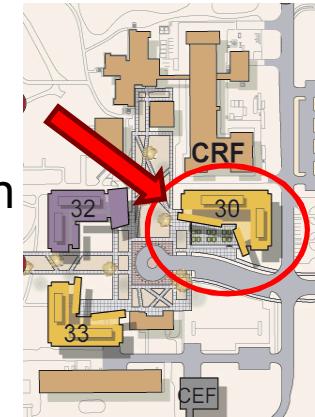
California Site Reconfiguration IGPP (CalSRI)

Sandia National Laboratories / California



This Design-Build IGPP will result in a state-of-art sustainable facility that enables distributed mission support (MS) functions to be consolidated into a location on the East side of the SNL/CA site. The building allows for co-locating work functions in appropriate security zones and for locating MS functions in the General Access Area (GAA). Upon IGPP completion, mission staff will be able to co-locate in existing vacated Property Protection Area (PPA) space and Limited Area (LA) space, and there will be opportunities to D&D substandard, deteriorating space currently in use. This IGPP will also serve as the new front door for the CA site with co-located MS/administrative functions.

California Site Reconfiguration IGPP



No Action results in the lost opportunity to:

- Eliminate & remove temporary and sub-standard buildings
- Provide expansion of LA and PPA footprint for mission work
- Consolidate/integrate functions in efficient/cost effective workplace

Alternative Actions:

Major Renovation

- *Pro:* Uses existing structures and space
- *Con:* Costly, absence of good candidate space, requires multiple relocations to execute

GPP (Design and build a new complex)

- *Pro:* Follows typical GPP process and approval
- *Con:* Current Capital funding is tight

Off-site Lease

- *Pro:* Quickly acquire through GSA
- *Con:* Locates key administrative/support functions away from SNL/CA core creating inefficiencies

TEC: \$9.7M

	FY15	FY16	FY17
Design	0.56		
Construction		9.14	
Total	0.56	9.14	

Building 705 IGPP

Sandia National Laboratories / New Mexico



Project Need/Scope Statement:

- Construct a 3-story office and light lab building (20-25K gsf) to be occupied by ~100+ staff
- IGPP will be used as corporate turnaround space.
- First occupants will allow for final vacating of B892, planned for D&D in WEF Line Item Construction
- Project will be executed as a Design/Build using bridging documents to describe the corporate needs.
- The building will use innovative workplace concepts that include open office environments with smaller work stations integrated for collaborative work.
- There will be some enclosed offices and conference rooms and multi-purpose light labs.



Justification

- Building 705 IGPP is being constructed as Corporate turnaround space for office and light labs.
- The first use for this IGPP will be to vacate the remaining occupants of Building 892 so that it can be removed from the site.
- Upon completion of the WEF Line Item project in FY 21, the occupants of IGPP Buildings 730 and 705 will be moved to WEF; the space will subsequently be used as corporate turn around space for recapitalization of the multi-story buildings in Tech Area I and IV over the next decade.

TEC Funding (\$M)

TEC: \$9.7M

	FY14	FY15
Design /Build	\$0.6	\$9.1
Total	\$0.6	\$9.1

Note: Institutional funding has been approved to initiate the work in FY14 pending Congressional notification

Integrated Systems Analysis and Studies (ISAS) Facility

Sandia National Laboratories / New Mexico



Project Need/Scope Statement:

This IGPP is intended to provide a facility to enable systems studies and analyses that are integrated across national security mission space (SMUs), integrated across Sandia's organizations, integrated across the external Nuclear Security Enterprise (NSE), and integrated with participation from external partners and customers. It will move systems studies from dated trailers to this new facility, improve collaboration, and allow for the demolition of 8 substandard trailers that will decrease energy and maintenance costs. Demolition will be funded separately and will offset the footprint added through this IGPP.



Justification

- Sandia is tasked to "serve as the lead for technical services for systems integration for Defense Programs." That role requires consolidation of various Sandia organizations into a common location.
- Each NWC M&O provides staff to support studies, systems analyses, and integration services. There is a need to co-locate functions and staff into a single facility at SNL/NM to provide an independent, secure, and geographically isolated setting for systems integrator activities.
- This asset will be an essential element of the Sandia/NM support of the Defense Programs integration function
- The systems studies group also supports DOE and DoD sponsored programs – the facility will enable the group to broaden its mission and be more effective to address all National Security missions.

TEC Funding (\$M)

TEC: \$9.7M

	FY14	FY15	FY16
Design	0.56		
Construction		8.00	1.14
Total	0.56	8.00	1.14

International Center for Laboratory Risk Management

Sandia National Laboratories / New Mexico



Project Need/Scope Statement:

The International Center for Laboratory Risk Management (ICLRM) will be a larger (~8,000 sf) and more capable laboratory training, research, testing, and demonstration facility in Albuquerque, NM, to support the biological, chemical, and nuclear threat reduction missions of the International Cooperative Threat Reduction Group. The space will be mostly laboratory training, with only three offices.



Justification

The ICLRM will better enable Sandia to provide technical support to several external customers, including U.S. international cooperative threat reduction (CTR) programs; the G8 Global Partnership Against the Spread of Weapons and Materials of Mass Destruction; the U.S. Laboratory Response Network; and the U.S. Select Agent Program.

TEC Funding (\$M)

TEC: \$5.2M

	FY15	FY16	FY17	FY18
Plan				
Design	0.3			
Const	0.2	4.7		
Total	0.5	4.7		

Building 895 Staging/Evaluation Addition

Sandia National Laboratories / New Mexico



Project Need/Scope Statement:

This project would program, design, and construct a new 5,500-sf staging addition to the west side of Building 895. All space added would be general laboratory.



Justification

Presently, some 895 lab space and exterior laydown yards are used for staging because there is no other room. This is an inefficient use of expensive and in-demand lab space for active project work. The addition would increase capacity for project work and improve ES&H and housekeeping in the high bays/exterior of the building during the nearly constant build-ups of robotic and physical security systems.

TEC Funding (\$M)

TEC: \$7.5M

	FY15	FY16	FY17	FY18
Plan				
Design	0.45			
Const	0.30	6.75		
Total	0.75	6.75		

This addition will not require any footprint reduction; neither office nor storage space