

Exhibit 300: Non-Information Technology Capital Asset Plan and Business Case Summary
Part I: Summary Information and Justification

Section A: Overview

- 1. Date of Submission:..... 4/15/2009
- 2. Agency: Department of Energy
- 3. Program/Subprogram: Office of Science/
- 4. Project Name: Research Support Building and Infrastructure Modernization
 - a. site SLAC National Accelerator Laboratory
 - b. type Line Item
- 5. Project ID: 10-SC-70
- 6. What kind of investment will this be in FY BY?

<input checked="" type="checkbox"/> Planning	<input type="checkbox"/> Operations and Maintenance	<input type="checkbox"/> Multi-Agency Collaboration
<input type="checkbox"/> Full Acquisition	<input type="checkbox"/> Mixed Life Cycle	

7. What was the first budget year this investment was submitted to OMB, e.g., FY CD-0 was approved?.. FY 2009

8. Provide a brief summary and justification:

The most recent DOE O 413.3A approved Critical Decision is CD-0 that was approved on 10/10/2008 with a Total Project Cost (TPC) or preliminary cost estimate range of \$80,000,000 - \$96,000,000 and CD-4 of FY 2015.

Mission Need: Improvements to SLAC infrastructure are needed to support SLAC's future mission as an integrated laboratory to optimally support the Office of Science Mission. This project provides staff with safe, energy efficient, and fully compliant office spaces that support 21st century science. The Project provides general purpose research and institutional structures to allow co-location of related groups and to optimize cross program collaboration and synergy.

- 9. Did the Acquisition Executive approve this request?..... Yes No
 - a. If "yes," what was approval date of this approval? 10/10/2008
- 10. Did the Federal Project Director review this Exhibit? Yes No

11. Contact information of Federal Project Director (FPD)?

Name: Hannibal Joma
 Phone Number: 650-926-5325
 E-mail: hjoma@slac.stanford.edu
 PMCDP Certification Level: 2 (Pending Approval)
 Date Assigned to Project: 1/1/2009
 If not at appropriate PMCDP certification level, what is the anticipated date?:

notes: The FPD assignment will be approved by AE at CD-1.

- 12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project? Yes No
 - a. Will this investment include electronic assets (including computers)?..... Yes No
 - b. Is this investment for new construction or major retrofit of a Federal building or facility?..... Yes No
 - i. If "yes," is an ESPC or UESC being used to help fund this investment?..... Yes No
 - ii. If "yes," will this investment meet sustainable design principles?..... Yes No
 - iii. If "yes," is it designed to be 30% more energy efficient than relevant code?..... Yes No

13. Does this investment directly support one of the PMA initiatives? If "yes," check all that apply:

- Human Capital
- Budget Performance Integration
- Financial Performance
- Expanded E-Government
- Competitive Sourcing
- Faith Based and Community
- Real Property Asset Management
- Eliminating Improper Payments
- Privatization of Military Housing
- Research & Development Investment Criteria
- Housing & Urban Dev. Management & Performance
- Broadening Health Insurance Coverage through State Initiatives
- "Right Sized" Overseas Presence
- Coordination of VA & DoD Programs and Systems

14. Does this investment support a program assessed using the PART?..... Yes No
- a. If "yes," does this investment address a weakness found during a PART review?..... Yes No
- b. If "yes," what is the name of the PARTed program? -
- c. If "yes," what rating did the PART receive? -

Section B: Summary of Spending

1. Provide the total estimated life-cycle cost for this investment by completing the following table.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)									
(Estimates for BY+1 and beyond are planning purposes only and do not represent budget decisions)									
	FY PY-1 and earlier	FY PY	FY CY	FY BY	FY BY+1	FY BY+2	FY BY+3	FY BY+4 and beyond	Total
Planning:			\$0.800						\$0.800
Acquisition:				\$8.900	\$33.200	\$19.850	\$34.600		\$96.550
Subtotal Planning & Acquisition:			\$0.800	\$8.900	\$33.200	\$19.850	\$34.600		\$97.350
Operations & Maintenance:								\$55.000	\$55.000
TOTAL:			\$0.800	\$8.900	\$33.200	\$19.850	\$34.600	\$55.000	\$152.350
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs									
No. of FTE represented by Costs:				1.0	1.0	1.0	1.0		

notes: THIS IS A PRELIMINARY COST ESTIMATE based on the data in the FY 2011 PDS. PROJECT DOES NOT HAVE A PERFORMANCE BASELINE. The preliminary cost estimate range (exclude O&M) is \$80M to \$96M with a preliminary total cost of ~\$97.5M. Government FTE for BY+4 and beyond is TBD.

2. Will this project require the agency to hire additional FTEs? Yes No
- a. If "yes," how many and in what fiscal year?
3. If the summary of spending has changed from the FY CY President's budget request, briefly explain those changes:

Section C: Acquisition/Contract Strategy

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment.

Contracts/Task Orders Table																
Contract or Task Order Number	Type of Contract/Task Order	Has the contract been awarded? (Y/N)	Is so, what is the date of the award? If not, what is the planned award date?	Start date of Contract/Task Order	End date of Contract/Task Order	Total Value of Contract/Task Order (\$M)	Is this an Interagency Acquisition? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	CO Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition? (Y/N)
DE-AC02-76SF00515 Stanford University will acquire the RSB project for DOE under the existing M&O contract.	Management and Operating (M&O). The M&O contract was awarded to Stanford University (SU) May 1, 1962. SU remains the contractor.	Y	5/1/1962	10/10/2008	5/31/2010	-97	N	Y	Y	N/A	Y	Y	Tyndal Lindler	650-926-5076 Tyndal.Lindler@sso.scie nce.doe.gov	3	

notes: Project is in conceptual design phase and does not have a CD-1 yet to acquire PED services. Similarly, Construction funds will not be available to acquire construction services until CD-3 approval.

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:
 -

3. Do the contracts ensure Section 508 compliance?.....N/A Yes No
 - a. If no, explain why not or how this is being done:
 - b. This project is to construct a new office building and renovated existing facilities for the purpose of providing office space. Acquisition of Electronic and Information Technology (E&IT) equipment, if any, is incidental to the contract for acquiring the RSB facility. Section 508 provides a general exemption for E&IT equipment that is incidental to the contract therefore it does not apply to the RSB project.

- 4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7. and has been approved in accordance with agency requirements? Yes No
 - a. If “yes,” what is the date?.....
 - i. Is it current? Yes No
 - b. If “no,” will an acquisition plan be developed?..... Yes No
 - i. If “no,” briefly explain why:

Section D: Performance Information

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. Agencies must use Table 1 below for reporting performance goals and measures.

Performance Information Table 1:					
Fiscal Year	Strategic Goal(s) Supported	Performance Measure	Actual/Baseline (from Previous Year)	Planned Performance Metric (Target)	Performance Metric Results (Actual)

notes: The Project is pre CD-1 and does not have a performance baseline yet.

Part II: Planning, Acquisition and Performance Information

Section A: Alternatives Analysis

- 1. Did you conduct an alternatives analysis for this project?..... Yes No
 - a. If “yes,” provide the date the analysis was completed? 1/7/2009
 - b. If “no,” what is the anticipated date this analysis will be completed?
 - c. If no analysis is planned, please briefly explain why:
-

2. Alternatives Analysis Results: Use the results of your alternatives analysis to complete the following table:

Alternatives Analysis Results			
Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
Baseline			
1	Maintain the status quo – Continue to operate under current conditions and procedures.	\$179,439k	
2	Replace the existing facilities with new facilities including combining the trailer spaces into one facility.	\$185,608k	
3	Construct a new facility, renovate selected buildings and demolish substandard structures	\$161,774k	

3. Which alternative was selected by the Acquisition Executive and why was it chosen?

The analysis indicated alternative 3 yields significant economic benefits. The initial capital investment for this alternative will result in significant cost savings over a 50-year period, assuming a base date of September 2009. The simple payback is expected to be 5.5 years.

4. What specific qualitative benefits will be realized?

This alternative will renovate existing facilities that are structurally and functionally sound and will replace those facilities that are not with new space. This option will remove the multiple inadequate structures and build one new structure allowing staff working on one or correlated projects to be adjacent to each other. Existing buildings with sound infrastructure will be renovated to match the program needs and reduce energy consumption. This alternative meets the capability gap of collocating accelerator research staff and reduces the cost of doing business.

Section B: Risk Management

- 1. Does the investment have a Risk Management Plan?..... Yes No
 - a. If “yes,” what is the date of the plan?.....
 - b. Has the Risk Management Plan significantly changed since last submission to OMB? Yes No
 - c. If “yes,” describe any significant changes:
-

- 2. If there currently is no plan, will a plan be developed? Yes No
 - a. If “yes,” what is the planned completion date? 8/1/2009
 - b. If “no,” what is the strategy for managing the risks?
-

3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:
-

Section C: Cost and Schedule Performance

- 1. Is the EVMS certified in accordance with DOE Order 413.3A? Yes No
- 2. Is the current cumulative CV% or SV% greater than ± 10%? Yes No
 - a. If “yes,” what is the CV?.....
 - b. If “yes,” what is the SV.....
 - c. If “yes,” what corrective actions are being taken?
-
 - d. “As of” date:.....

- 3. Has the initial performance baseline (CD-2) been changed in the past FY? Yes No
 - a. If “yes,” when was it approved by the Acquisition Executive?.....
 - b. If “yes,” state reason (cost/scope/schedule):
-

4. Comparison of Initial Performance Baseline and Current Approved Performance Baseline.

Comparison of Initial Performance Baseline and Current Approved Performance Baseline									
Description of Milestone	Initial Performance Baseline		Current Performance Baseline				Current Performance Baseline Variance		
	Completion Date	Total Cost (\$M)	Completion Date Planned	Completion Date Actual	Total Cost (\$M) Planned	Total Cost (\$M) Actual	Schedule (# days)	Cost (\$M)	Percent Complete

Comparison of Initial Performance Baseline and Current Approved Performance Baseline									
Description of Milestone	Initial Performance Baseline		Current Performance Baseline				Current Performance Baseline Variance		Percent Complete
	Completion Date	Total Cost (\$M)	Completion Date Planned	Completion Date Actual	Total Cost (\$M) Planned	Total Cost (\$M) Actual	Schedule (# days)	Cost (\$M)	

notes: SLAC National Accelerator Laboratory has a DOE certified EVMS (July 2008); beginning at CD-2, RSB Project will utilize and comply with the SLAC EVMS. Project is at pre- CD-1 and does not have a performance baseline at this time.