

03-D-103, National Nuclear Security Administration Project Engineering and Design (PED), Various Locations

1. Construction Schedule History

	Fiscal Quarter				Total Estimated Cost (\$000)
	A-E Work Initiated	A-E Work Completed	Physical Construction Start	Physical Construction Complete	
FY 2003 Budget Request (A-E and technical design only)	1Q 2003	4Q 2006	TBD	TBD	63,709 ^a

2. Financial Schedule

(dollars in thousands)

Fiscal Year	Appropriations	Obligations	Costs
2003	15,539	15,539	11,640
2004	28,170	28,170	28,584
2005	20,000	20,000	21,485
2006	0	0	2,000

3. Project Description, Justification and Scope

This project provides for Architect-Engineering (A-E) services (Title I and Title II) for several National Nuclear Security Administration (NNSA) construction projects, allowing designated projects to proceed from conceptual design into preliminary design (Title I) and definitive design (Title II). The design effort will be sufficient to assure project feasibility, define the scope, provide detailed estimates of construction costs based on the approved design and working drawings and specifications, and provide construction schedules, including procurements. The designs will be extensive enough to establish performance baselines and to support construction or long-lead procurements in the fiscal year in which line item construction funding is requested and appropriated.

Conceptual design studies are prepared for each project using Operations and Maintenance funds prior to receiving design funding under a PED line item. These conceptual design studies define the scope of the project and produce a rough cost estimate and schedule.

^a The TEC estimate is for design only for the subprojects currently included in this data sheet.

FY 2003 PED design projects are described below. While not anticipated, some changes may occur due to continuing conceptual design studies or developments occurring after submission of this data sheet. These changes will be reflected in subsequent years. Preliminary estimates for the cost of Title I and II design and engineering efforts for each subproject are provided, as well as very preliminary estimates of the Total Estimated Cost (including physical construction) of each subproject.

FY 2003 Proposed Design Projects

03-01: Chemistry and Metallurgy Research Building Replacement (CMRR) Project, LANL

Fiscal Quarter				Total Estimated Cost (Design Only (\$000))	Preliminary Full Total Estimated Cost Projection (\$000)
A-E Work Initiated	A-E Work Completed	Physical Construction Start	Physical Construction Complete		
3Q 2003	4Q 2006	2Q 2005	TBD	55,000	350,000-500,000

Fiscal Year	Appropriations	Obligations	Costs
2003	10,000	10,000	8,000
2004	25,000	25,000	24,500
2005	20,000	20,000	20,500
2006	0	0	2,000

This subproject includes the preliminary and final (Title I and Title II) design for the proposed Chemistry and Metallurgy Research Building Replacement (CMRR) Project at Los Alamos National Laboratory. The existing Chemistry and Metallurgy Research (CMR) Building is a Hazard Category 2 nuclear facility that is over fifty years old. CMR actinide chemistry research capabilities are vital to fulfil several critical LANL missions, including but not limited to, pit rebuild, pit surveillance and pit certification. In January 1999, DOE approved a strategy for managing risks at the CMR facility. This approval committed DOE and LANL on a course to upgrade and temporarily continue to operate the CMR facility through approximately 2010 with operational limitations. This approval also committed DOE and LANL to develop long-term facility and site plans to ensure continuous mission support beyond the year 2010. It was acknowledged that mission support beyond 2010 may require new facilities. The design project includes the preliminary and final (Title I and Title II) design for the proposed Chemistry and Metallurgy Research Building Replacement (CMRR) Project.