

***Pu Sustainment
Monthly Program Review***

**Monthly Management Review
April, 2011**

(b) (6)

, Program Director

Integrated Program Management, IPM-2

April Accomplishments

- (b) (7)(F) was NNSA diamond stamped.
- (b) (7)(F)
- (b) (3)
- Pit operations submitted (b) (7)(F) to LASO for quality acceptance.
(b) (7)(F)
- Baseline change requests were approved and are either implemented or being implemented for the power supply assembly area and the CR level funding as of April 1.
- Repair of the (b) (7)(F), the (b) (7)(F), and one other classified assembly tool were accomplished under corrective maintenance.

April Accomplishments (cont)

- (b) (7)(F) Prepared samples have been submitted to metallography
- LLNL completed (b) (7)(F) in April which is being evaluated. Previous castings are being prepared for final machining.
- (b) (5), (b) (7)(F)
- Primary highlight for the IPT was the release of the first wave of updated design definition drawings to LANL. Seven updated drawings were released.

April Accomplishments (cont)

- (b) (7)(F)
- Power Supply Assembly Area construction began.
- (b) (7)(F)
- Pu Assay/Rad Chemistry GB Projects are now under procurement for the two glove boxes required.

Issues/Changes/Coming Attractions

■ New or remaining issues

- Components for Build 60 were completed and assembly of the final W88 was begun – assembly has failed. Build 61 has been promoted in schedule – risk to a June delivery.
- (b) (7)(F)
Significant effort has been put forth to repair these with spare parts procured previously under manufacturing maintenance.
- A number of issues have arisen with the cold installation of the modern foundry and (b) (7)(F) capability.
 - A power supply for the (b) (7)(F) failed.
 - The change from Lab View to Allen Bradley Factory Talk control system created a large demand on the available EE resources. Delays in design, fabrication and installation of needed electronic servers and the associated programming of the servers have resulted.
 - Electrical installation by MUSD is behind schedule.
- The cost of (b) (7)(F) has risen significantly such that parts that cost \$20 to \$30K last year are now more than \$60K. This could affect the initial (b) (7)(F) cartridges used in cold testing.
- (b) (5), (b) (7)(F)
- Pressure control is still an issue for the (b) (7)(F) The team is developing options for design changes for better pressure control to make the parts.

Issues/Changes/Coming Attractions(cont)

- **Baseline Change Control – BCR for Power supply assembly area was implemented. BCR for CR alignment was implement.**
- **Coming Attractions**
 - DOD Independent Review of the CMRR project – April 25-28
 - The Honorable Susana Martinez (Governor – NM) and Tom D’ Agostino at LANL – April 27
 - Second quarterly review for Pu Sustainment, May 3-4, 2011 at LLNL
 - (b) (3) May 10-12 in Los Alamos

April 2011 Matrix

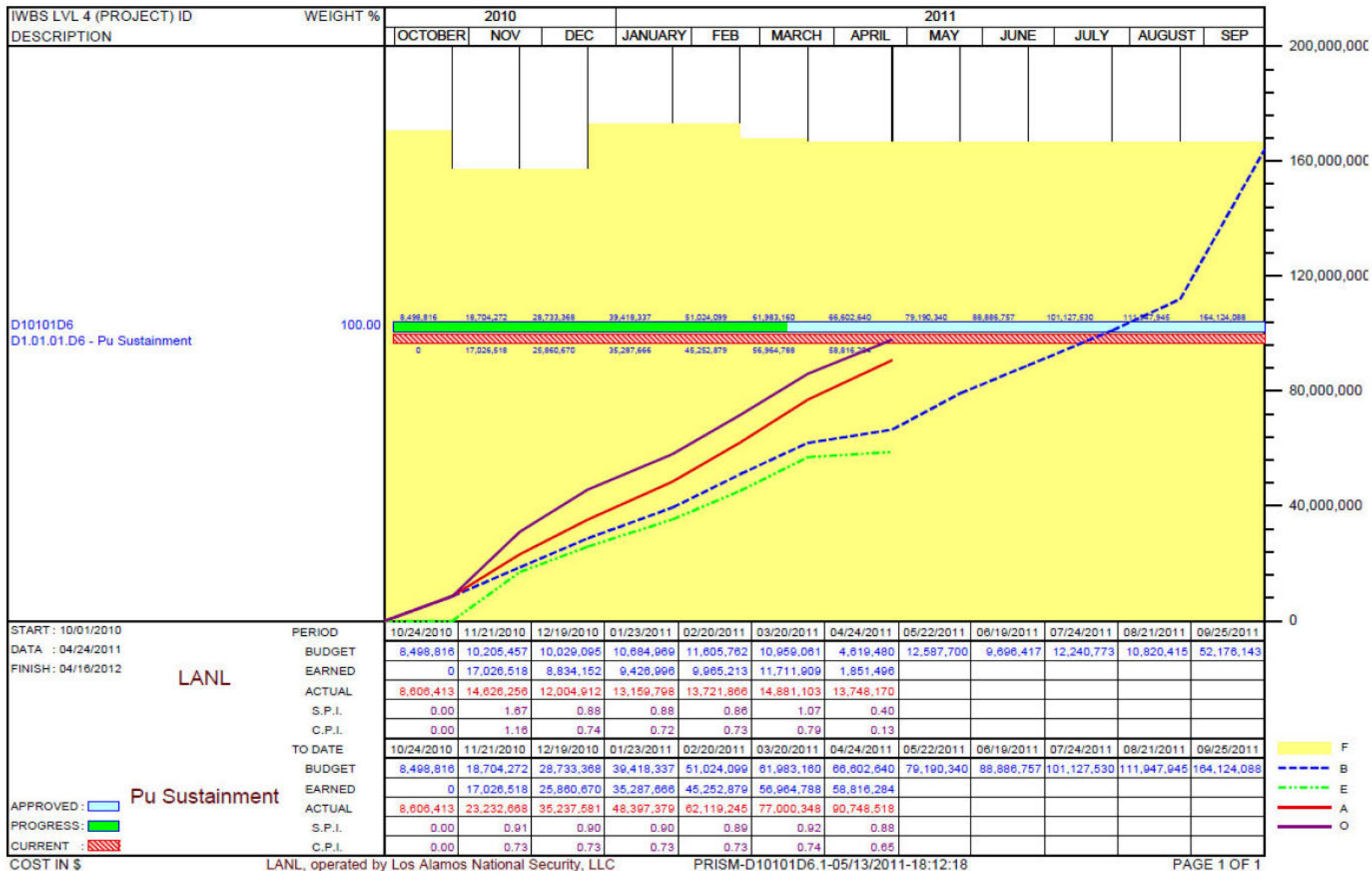
Product/Process Performance											
			Foundry (b) (6) NCO-1 (b) (6) MET-2	Machining (b) (6) NCO-1 (b) (6) MET-2	Analytical (b) (6) C-AAC	Welding (b) (6) NCO-1 (b) (6) MET-2	Assembly (b) (6) NCO-1	Dim. Inspect (b) (6) JA-DI (b) (6)	NDE (b) (6) AET-6	MET (b) (6) MST-16	NCM (b) (6) MST-6
Product Performance (Weight 40%)	Schedule (b) (6)	Weight 0.1	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%		
	Product Quality (b) (6)	Weight 0.1	A:0 U:0 100%	A:0 U:0 100%	A:0 U:0 100%	A:3 U:1 75%	A:3 U:1 75%	A:3 U:0 100%	A:3 U:0 100%		
	Process Quality (b) (6)	Weight 0.1	NCR: 00 100%	NCR: 00 100%	NCR: 00 100%	NCR: 02 90%	NCR: 02 90%	NCR: 00 100%	NCR: 00 100%		
	Product Documentation (b) (6)	Weight 0.1	I:00 100%	I:00 100%	I:00 100%	I:00 100%	I:00 100%	I:00 100%	I:N/A 100%		
	Product Performance Subtotal		100%	100%	100%	91%	91%	100%	100%		
Process Performance (Weight 60%)	M&TE (b) (6)	Weight 0.12	Ex:11 75%	Ex:02 90%	Ex:00 100%	Ex:13 65%	Ex:14 65%	Ex:04 85%	Ex:00 100%		
	Preventive Maintenance (b) (6)	Weight 0.12		Ex:0, Df:0 90%	Ex:0, Df:0 100%		Ex:0, Df:0 100%				
	WI/Document Control (b) (6)	Weight 0.12	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%		
	Training (b) (6)	Weight 0.12	0:0, 1:0 95%	0:0, 1:1 85%	0:0, 1:3 85%	0:0, 1:0 95%	0:0, 1:1 85%	0:0, 1:0 95%	0:0, 1:0 95%		
	Process Materials (b) (6)	Weight 0.12	EP:00 ED:00 100%	EP:00 ED:00 100%	N/A N/A	EP:00 ED:00 100%	EP:00 ED:00 100%	EP:00 ED:00 100%	EP:00 ED:00 100%		
	Process Performance Subtotal		93%	93%	96%	90%	90%	95%	99%		
	Total Score		96%	96%	98%	91%	91%	97%	99%		

FY11 Level 2 Milestones DSW – Pu Sustainment

MRT ID	MRT Description	Due Date/ Status	Comments
	Pu Sustainment - LANL		
3712	(b) (7)(F) PEP	9/30/11	Trending Red due to June delivery risk associated with the April failure of build 60 in assembly.
3714	D&D of (b) (7)(F) ...PEP	9/30/11	On Schedule for one GB removal. Change control required to remove general room plan from MS.
3715	(b) (7)(F) PEP	9/30/11	BCR to modify due to SEP approved and in implementation.
3716	(b) (7)(F)	9/30/11	(b) (7)(F)
	Pu Sustainment – Power (LANL)		
3713	(b) (7)(F) PEP	9/30/11	
	Pu Sustainment - LLNL		
3712	(b) (7)(F) PEP	9/30/11	
3715	(b) (7)(F) EP	9/30/11	

PERFORMANCE BARCHART AND S-CURVE

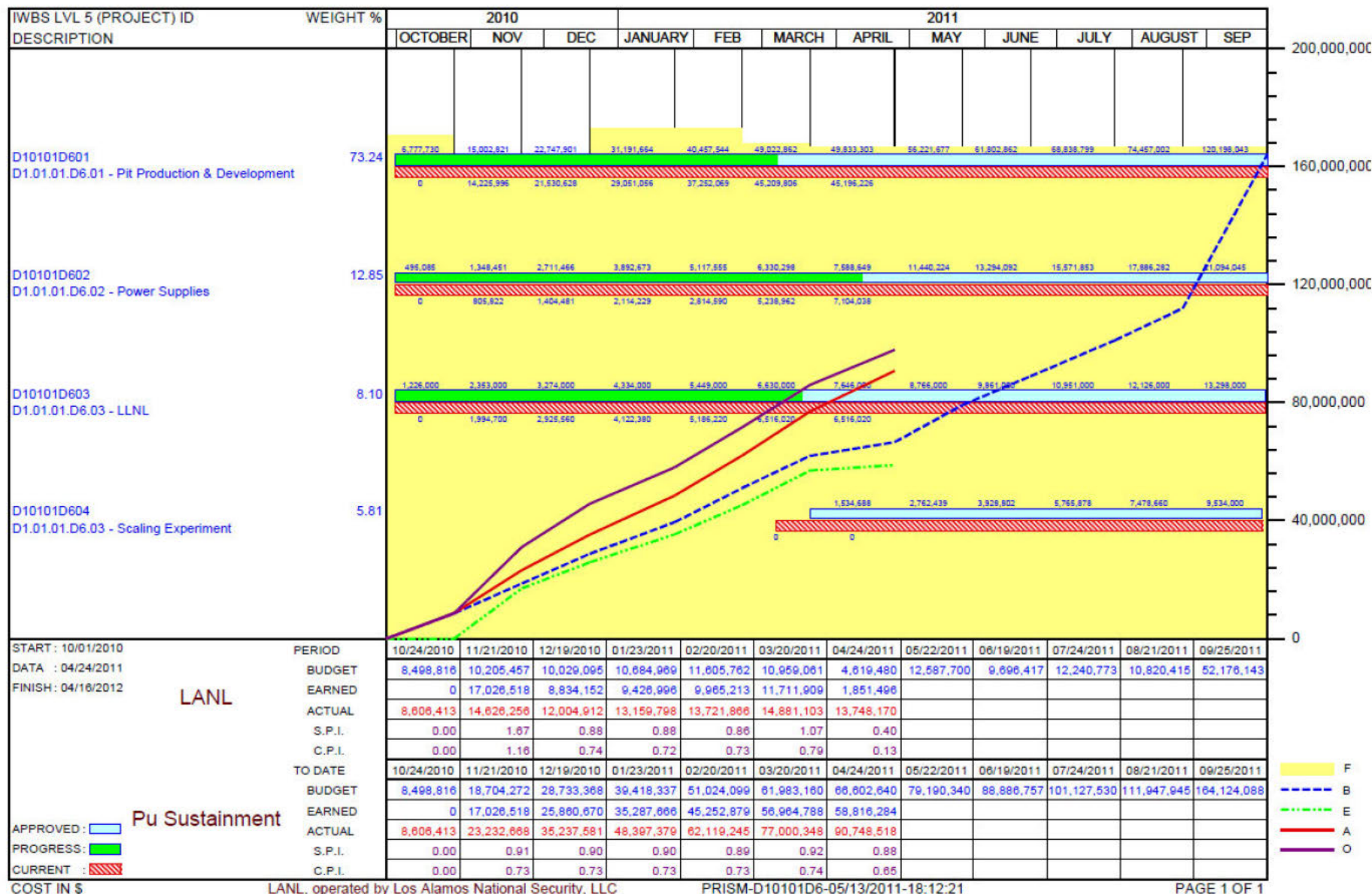
Pu Sustainment Overall



■ F
--- B
--- E
--- A
--- O

PERFORMANCE BARCHART AND S-CURVE

Pu Sustainment Overall - IWBS Level 5



COST IN \$

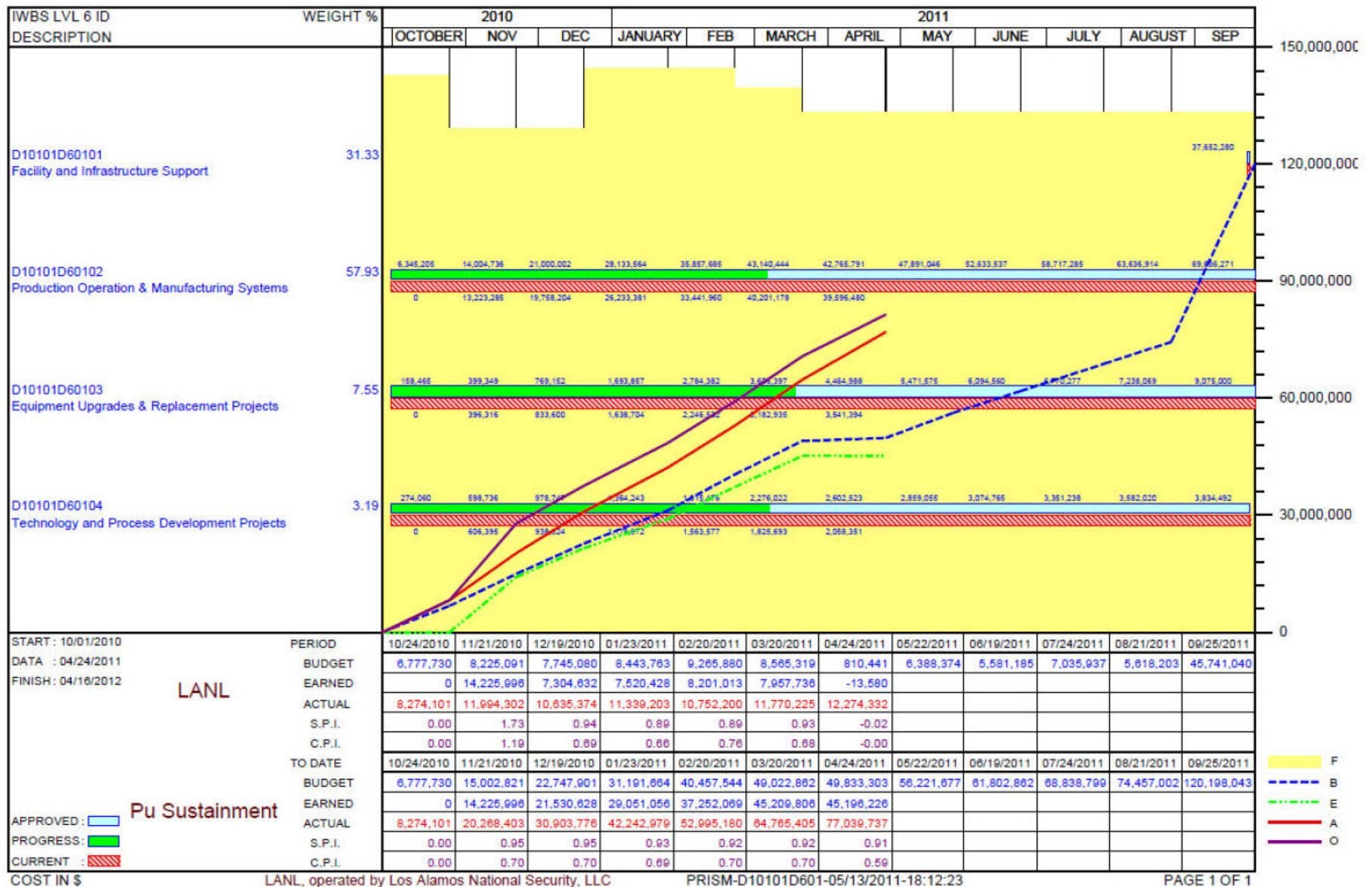
LANL, operated by Los Alamos National Security, LLC

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PAGE 1 OF 1

PERFORMANCE BARCHART AND S-CURVE

Pit Production & Development Pu Sustainment Overall



PERFORMANCE BARCHART AND S-CURVE

Power Supplies - IWBS Level 6

