

***Pu Sustainment
Monthly Program Review***

**Monthly Management Review
March, 2011**

(b) (6)

, Program Director

Integrated Program Management, IPM-2

March Accomplishments

- (b) (7)(F)
- **LLNL and LANL completed the foundry plan L2 milestone. The draft document was completed by both labs on 3/31/11 and the document is being reviewed and released with an expected completion date of 4/8/11.**
- (b) (7)(F)
- (b) (7)(F) (b) (7)(F)

March Accomplishments (cont)

- (b) (3), (b) (6)

- **Successfully cut LANL test parts on the Third Turning Center Project.**
- **The Operational Assessment of the 225 KeV Radiography Cabinet was completed in March. The pre-start and post-start findings identified in the report are being resolved. When the findings are resolved, the unit will be authorized to commence nuclear operations in April using the Startup Plan.**
- **During March, Pu Sustainment Operations achieved the following:**
 - Completed

(b) (7)(F)

 and submitted to NNSA for acceptance
 - Completed manufacture of Sub-Assembly for

(b) (7)(F)

March Accomplishments (cont)

- **During March, Power Supply Assembly Area accomplished the following:**
 - LANL awarded the contract for 31%-100% design of the Power Supply Assembly Area (PSAA)
 - Facility Hazard Categorization Assessment for the PSAA was approved and signed as Nonnuclear / Low Hazard.
 - The PSAA project obtained authorization to proceed from LASO.
- (b) (7)(F)
 - (b) (7)(F)
 - (b) (7)(F)
- **Pu Assay / Rad Chemistry GB Projects: LANL received the 60% glovebox designs for both Radiochemistry and Pu Assay projects**
- **Ge Detector: Installation complete**
- **Other: XB removals complete**
- **MRT 3713 Updated Status: Green**

Issues/Changes/Coming Attractions

■ Issues resolution from March

- Evaluation of the (b) (7)(F) which were taken off line for radiation leakage. Acceleration of the lift mechanism upgrades for the foundry life extension project will be required to return furnaces to operation. BCR is being prepared to re-align equipment scope to allow for this work. Scope is part of the April CR BCR.
- (b) (7)(F)
- Manufacturing of all major components of the 125 SMU has resumed. A recovery schedule is in place to manage the completion and delivery of two test assemblies in FY11

■ New or remaining issues

- The installation of the electrical distribution system and the change from Lab View to Allen Bradley Factory Talk control system for the Modern Foundry created a large demand on the available EE resources. LLNL is currently developing mitigation schemes to complete cold installation by the end of the fiscal year.
- The level of review for the Modern Foundry power pallet charging system safety note was more demanding because this system will be operated at LANL. Other safety notes may have the same issue.
- The cost of foundry electrical installation by MUSD, electronics (design, parts, and controllers) and the programming effort is greater than planned, which is affecting both the cost and schedule.

Issues/Changes/Coming Attractions(cont)

- (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 (b) (7)(F)

- (b) (5), (b) (7)(F)

- **Baseline Change Control – BCR for Power supply assembly area was approved and initiated. BCR for CR alignment was completed and will implement in April.**

- **Coming Attractions**

- (b) (3) April 4th – 8th in Nevada
- 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

March 2011 Matrix

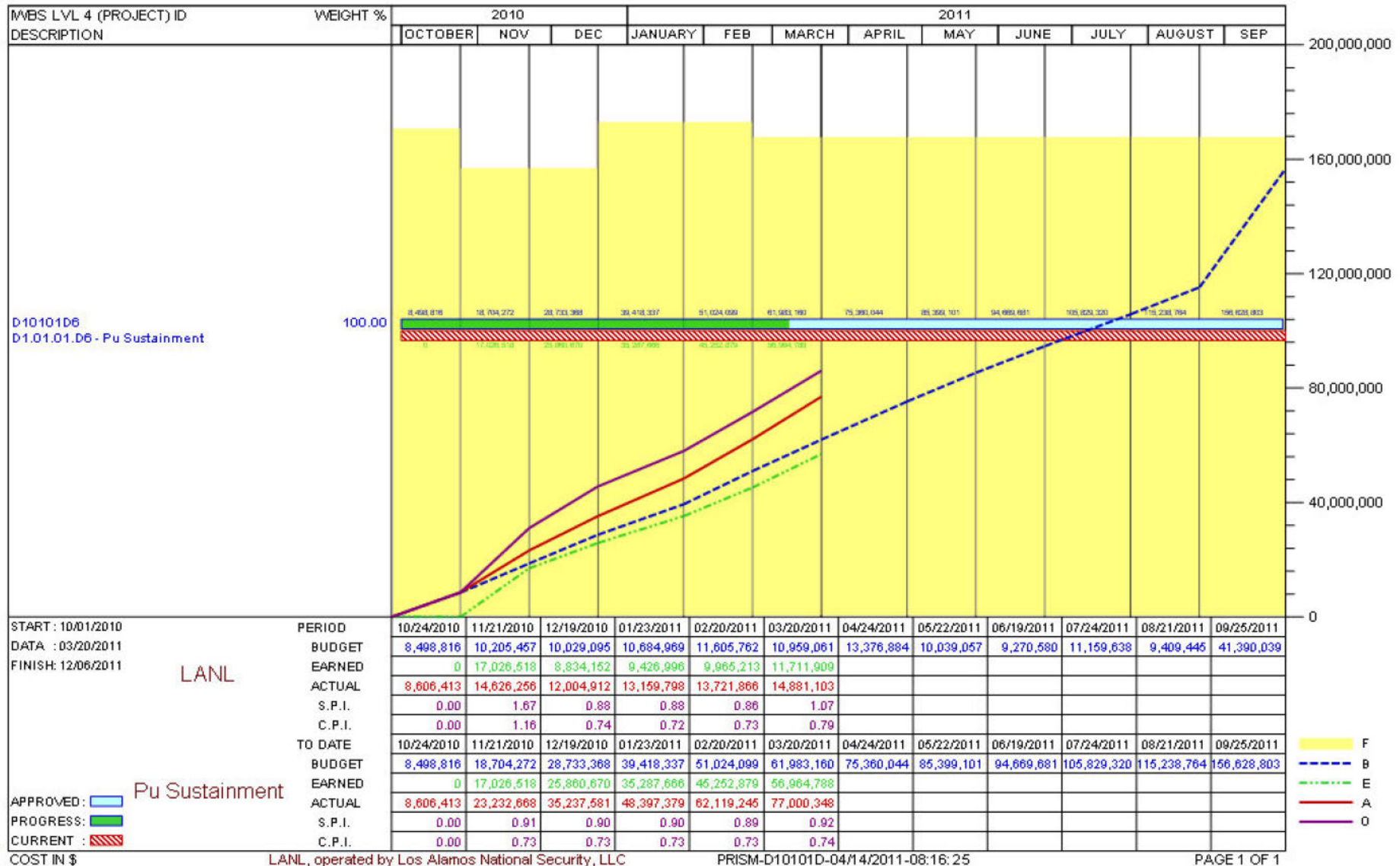
Product/Process Performance											
			Foundry (b) (6) NCO-1 (b) (6) MET-2	Machining (b) (6) NCO-1 (b) (6) MET-2	Analytical (b) (6) AAC	Welding (b) (6) NCO-1 (b) (6) MET-2	Assembly (b) (6) NCO-1	Dim. Inspect (b) (6) A-DI (b) (6)	NDE (b) (6) AET-6	MET (b) (6) MST-16	NCM (b) (6) MST-6
Product Performance (Weight 40%)	Schedule (b) (6)	Weight 0.1	SD: 00 CP:00 100%	SD: 08 CP:00 73%	SD: 01 CP:00 96%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 01 CP:00 96%		
	Product Quality (b) (6)	Weight 0.1	A:2 U:0 100%	A:3 U:0 100%	A:2 U:0 100%	A:3 U:0 100%	A:2 U:0 100%	A:3 U:0 100%	A:3 U:0 100%		
	Process Quality (b) (6)	Weight 0.1	NCR: 00 100%	NCR: 03 85%	NCR: 00 100%	NCR: 00 100%	NCR: 01 90%	NCR: 00 100%	NCR: 00 100%		
	Product Documentation (b) (6)	Weight 0.1	I:03 85%	I:00 100%	I:00 100%	I:00 100%	I:00 100%	I:02 90%	I:N/A 100%		
Product Performance Subtotal			96%	90%	99%	100%	98%	98%	99%		
Process Performance (Weight 60%)	M&TE (b) (6)	Weight 0.12	Ex:01 90%	Ex:02 90%	Ex:00 100%	Ex:01 90%	Ex:04 85%	Ex:03 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			96%	93%	96%	96%	94%	95%	99%		
Total Score			96%	92%	98%	98%	95%	96%	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	
3714	D&D of (b) (7)(F) IAW...PEP	9/30/11	
3715	(b) (7)(F) PEP	9/30/11	
3716	(b) (7)(F)	9/30/11	(b) (7)(F)
	Pu Sustainment – Power (LANL)		
3713	(b) (7)(F) PEP	9/30/11	(b) (7)(F)
	Pu Sustainment - LLNL		
3712	(b) (7)(F) PEP	9/30/11	
3715	(b) (7)(F) PEP	9/30/11	

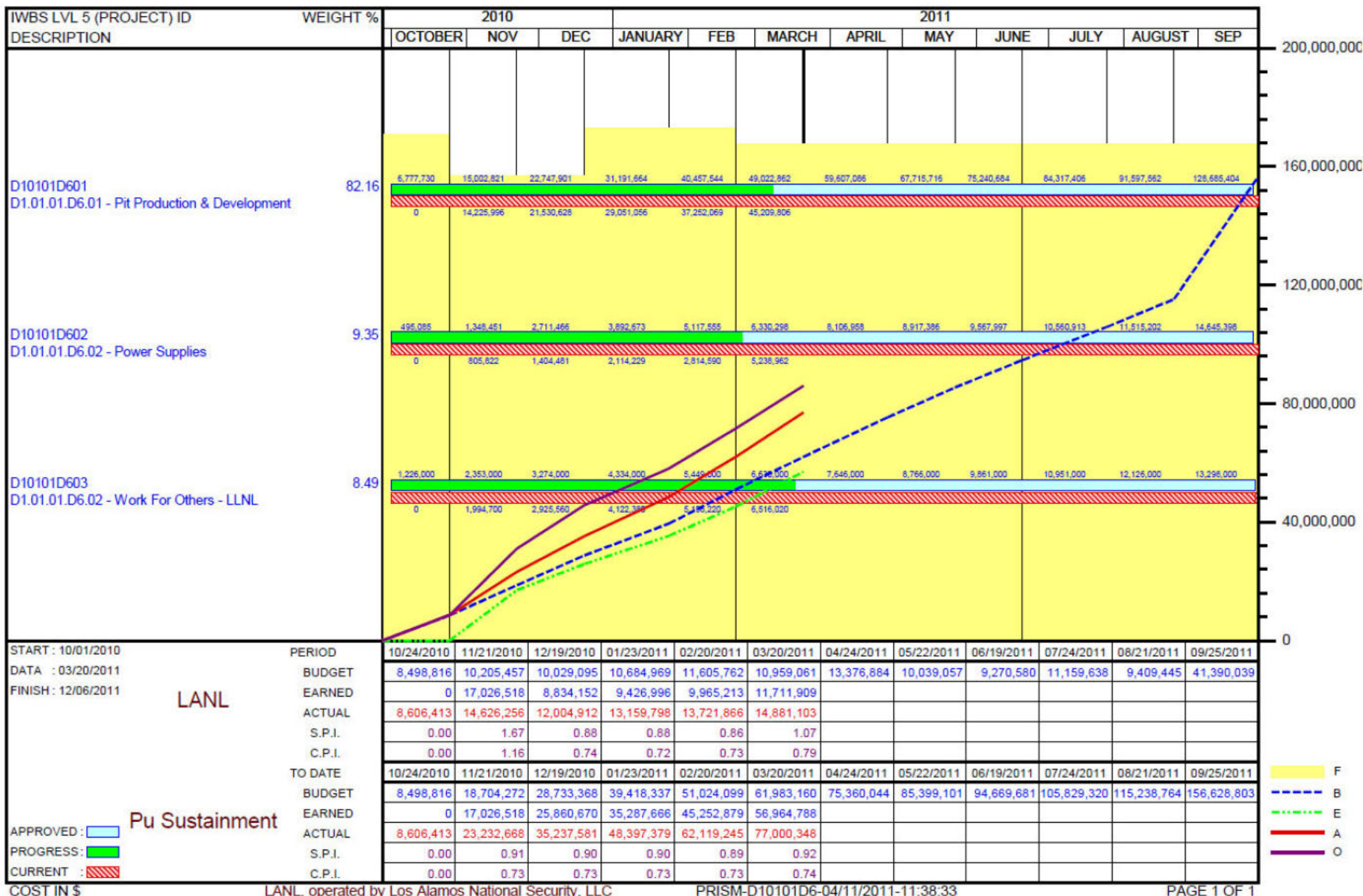
PERFORMANCE BARCHART AND S-CURVE

Pu Sustainment Overall



PERFORMANCE BARCHART AND S-CURVE

Pu Sustainment Overall



COST IN \$

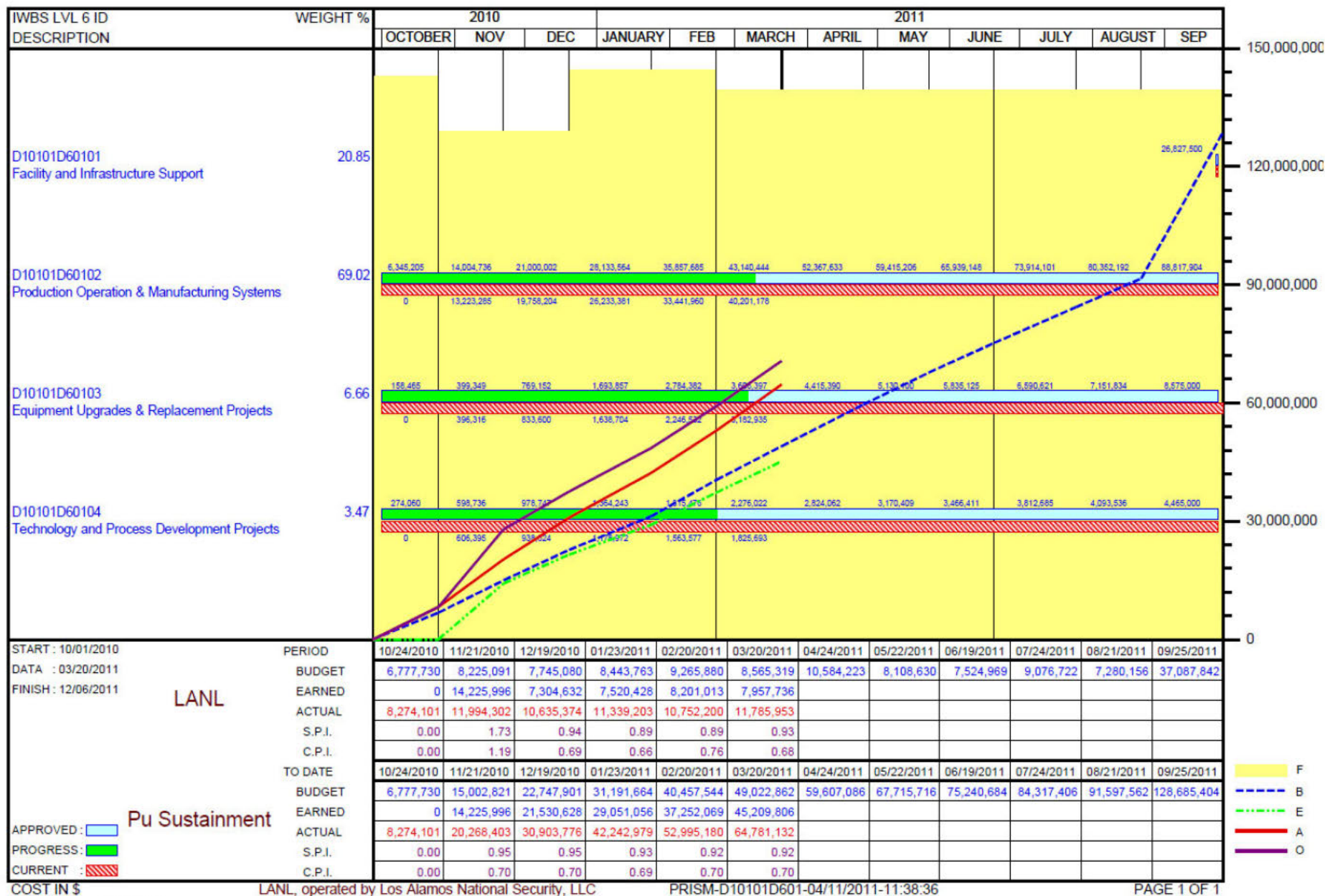
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PERFORMANCE BARCHART AND S-CURVE

Pit Production & Development IWBS Level 5



COST IN \$

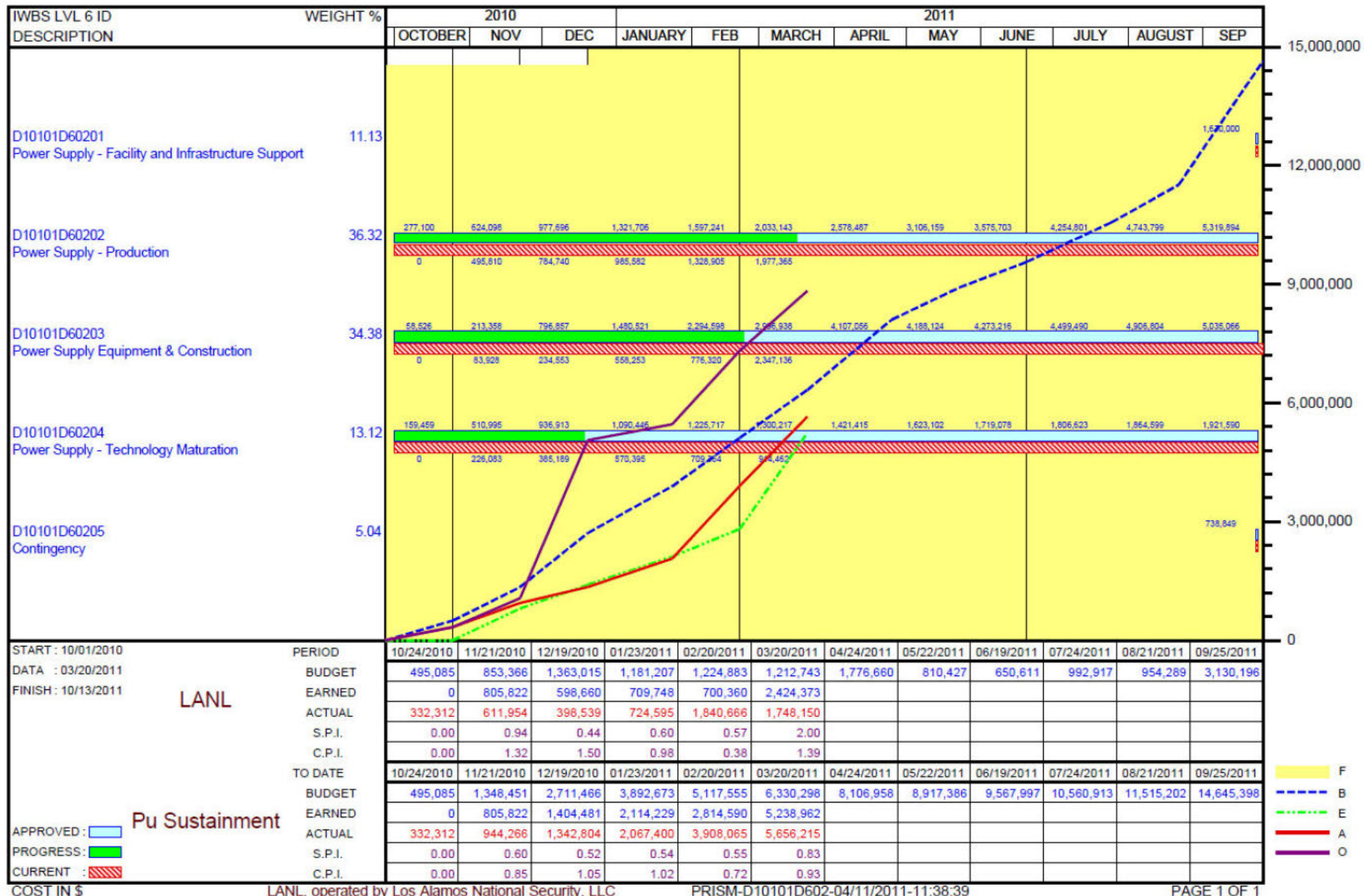
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PERFORMANCE BARCHART AND S-CURVE

Power Supplies - IWBS Level 6



COST IN \$

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