

***Pu Sustainment
Monthly Program Review***

**Monthly Management Review
January, 2011**

(b) (6)

, Program Director

Integrated Program Management, IPM-2

January Accomplishments

(b) (7)(F)

■ [REDACTED] The cooling water distribution system continues to be built. Lintz cables for the induction power supplies have been received and will be installed this quarter. The electrical distribution system installation is scheduled to start on February 7, 2011.

- IPT completed updates to approximately 1/3 of the drawings required to meet the L2 milestone. Drawings are now in the review and release cycle.

(b) (7)(F)

■ [REDACTED] Preparation of samples has started.

January Accomplishments (cont)



(b) (7)(F)



(b) (7)(F)

January Accomplishments (cont)

- **Americium Recovery Project** – This project, championed by the Pu Sustainment Program Office to reduce costs and mitigate dose/contamination risks, has received \$100K in funding to address recommendations. The DOE Office of Science – Office of Nuclear Physics, is providing this funding. The Am Team is preparing to present a proposal to the DOE-SC, for consideration of Industry Funding. This funding will be used to start operations and process MSE “salts” into a purified isotopic form, for eventual sale to industry.
- **During January, Pu Sustainment Operations accomplished the following:**
 - Cast 2 War Reserve Castings
 - (b) (7)(F)
 - Prepared all components for the start of (b) (7)(F) assembly in February
 - Prepared for February 100% inventory of SNM

Issues/Changes/Coming Attractions

■ Issues

- (b) (7)(F). A pause and resumption after failure analysis was performed before restarting work.
- (b) (7)(F) were taken off line for radiation leakage. Evaluation of restart under examination.
- (b) (7)(F)
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- ## ■ Baseline Change Control
- None this month – Preparation for an extensive BCR to bring the baseline into alignment with a protracted continuing resolution was kicked off.

Issues/Changes/Coming Attractions(cont)

■ Coming Attractions

- Next IPT meeting, February 16th -17th at LLNL.
- Chairman Frelinghuysen – House Energy & Water, March 3rd – 4th at LANL
- General Kehler, STRATCOM, February 28th at LANL
- Br. General Finan, DP10, March 2, 2011
- Center for International Security and Cooperation, March 10th – 11th at LANL
- (b) (3), (b) (6)
- ICBM Weapons School, March 18th at LANL
- Mission Committee, March 21st – 24 in Washington D.C.
- (b) (3) April 4th – 8th in Nevada
- Second quarterly review for Pu Sustainment, April 12th –13th at LLNL.

January 2011 Matrix

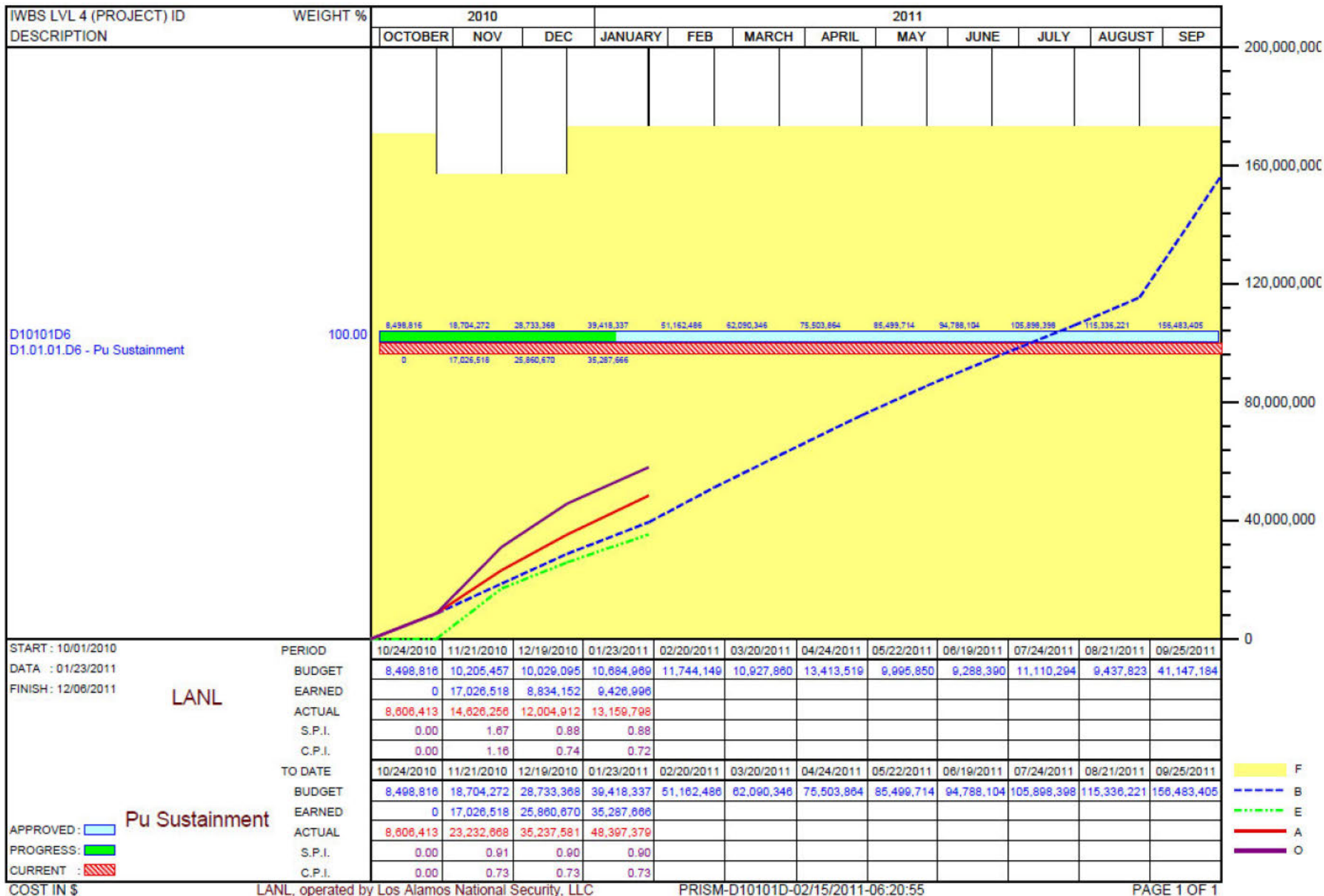
Product/Process Performance											
			Foundry (b) (6) NCO-1 (b) (6) MET-2	Machining (b) (6) NCO-1 (b) (6) MET-2	Analytical (b) (6) C-AAC	Welding (b) (6) NCO-1 (b) (6) MET-2	Assembly (b) (6) NCO-1	Dim. Inspect (b) (6) JA-DI (b) (6)	NDE (b) (6) AET-6	MET (b) (6) MST-16	NCM (b) (6) MST-6
Product Performance (Weight 40%)	Schedule (b) (6)	Weight 0.1	SD: 00 CP:00 100%	SD: 02 CP:00 94%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 05 CP:00 84%	SD: 00 CP:00 100%		
	Product Quality (b) (6)	Weight 0.1	A:3 U:2 60%	A:3 U:0 100%	A:3 U:0 100%	A:0 U:0 100%	A:0 U:0 100%	A:1 U:0 100%	A:1 U:0 100%		
	Process Quality (b) (6)	Weight 0.1	NCR: 02 90%	NCR: 04 85%	NCR: 00 100%	NCR: 00 100%	NCR: 00 100%	NCR: 01 90%	NCR: 00 100%		
	Product Documentation (b) (6)	Weight 0.1	I:01 90%	I:02 90%	I:01 90%	I:00 100%	I:00 100%	I:00 100%	I:N/A 100%		
	Product Performance Subtotal			85%	92%	98%	100%	100%	94%	100%	
Process Performance (Weight 60%)	M&TE (b) (6)	Weight 0.12	Ex:03 85%	Ex:01 90%	Ex:00 100%	Ex:07 75%	Ex:03 85%	Ex:03 85%	Ex:00 100%		
	Preventive Maintenance (b) (6)	Weight 0.12		Ex:0, Df:2 90%	Ex:0, Df:0 100%		Ex:0, Df:0 100%				
	WI/Document Control (b) (6)	Weight 0.12	Exp:1 Ext:0 75%	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, 1:0 95%	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			89%	95%	96%	93%	94%	95%	99%	
	Total Score			87%	94%	97%	96%	96%	94%	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) JTA Mock Pit #8 (built by Surveillance in FY10) was declared defective by Pantex. Issues with future builds #9 - #15 by Pu S have developed. Among them is a revocation of the Mock Pits' Quality Assurance Plan (QAP). The Pu S Pit Mfg QAP is now being used. Additional Materials characterization will be required. TPC will potentially approach the high end of the original estimate (\$3M).
	Pu Sustainment – Power (LANL)		
3713	(b) (7)(F) PEP	9/30/11	(b) (7)(E)
	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



LANL

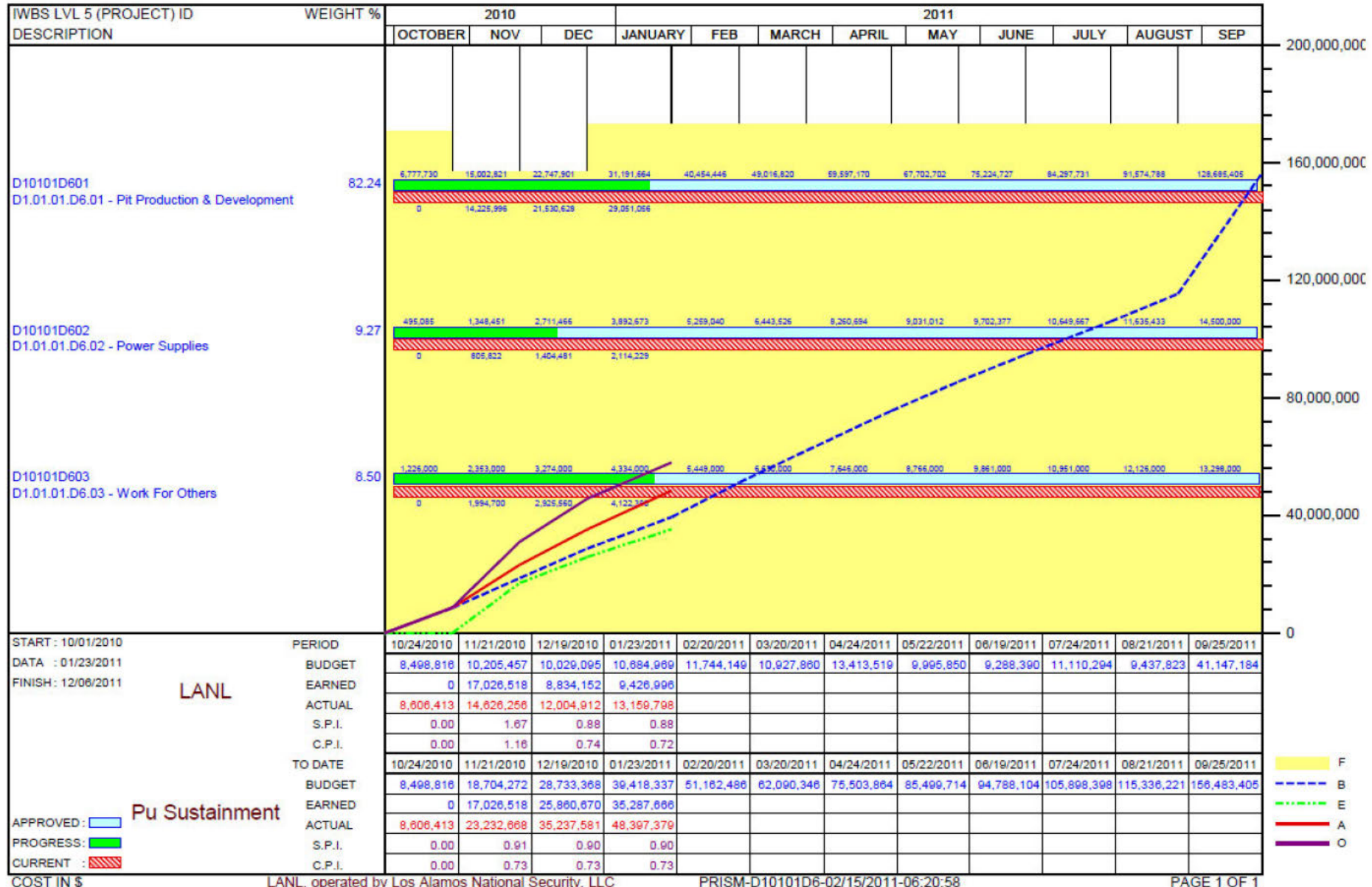
Pu Sustainment

APPROVED : Pu Sustainment
PROGRESS :
CURRENT :

F
B
E
A
O

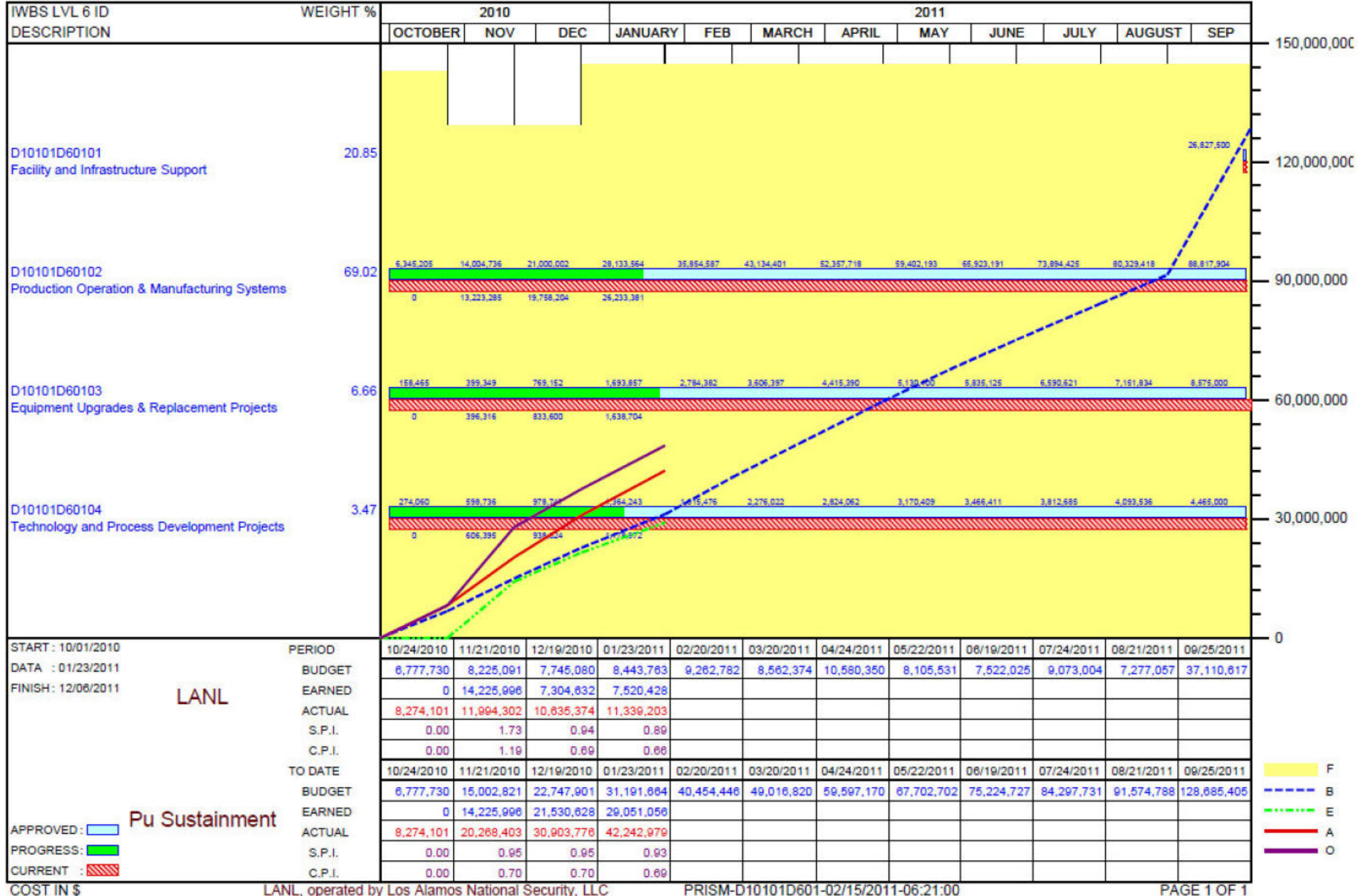
PERFORMANCE BARCHART AND S-CURVE

Pu Sustainment Overall



PERFORMANCE BARCHART AND S-CURVE

Pit Production & Development IWBS Level 5



COST IN \$

LANL, operated by Los Alamos National Security, LLC

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Power Supplies - IWBS Level 6

