



3 Month Look Ahead & Long Shutdown Schedule Status

30 August 2012

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**COUNTDOWN TO LSD RE-BASELINE/UPDATE:
49 days (to mid Oct 012)**

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- **3 Month Look Ahead**
 - **Baseline, Progress & Files**
 - **Change Request List**

3 Month Look Ahead (Sept, Oct, Nov 2012)

- 3 month look ahead report available:
 - <https://www.jlab.org/TLSD/SCHEDULES/>
- Information from July 2012 progress schedule
- Major Milestones & Outages:
 - CHL #1 Warm Up Begins & Ends: 1 Aug & 15 Aug - DONE
 - Test Lab Demolition
 - Test Cave & VTA Limited Use (25 June – **10 Sept**)
 - CMTF down (2 July to **14 Sept**)
 - CMTF operational (mid Oct)
 - Hall D Solenoid Cooldown (mid Nov)

3 Month Look Ahead – Major Activities (Sept, Oct, Nov 2012)

- **12GeV Accelerator – Beam Transport**
 - Complete S/R removal
 - S/R & EArc 1&3 magnet refurb continues
 - Complete ER stand installation (by mid Sept)
 - 0L/0R dipole and girder installation & alignment (by end of Oct)
 - HA&HB beamline dipole and girders removed (by end of Oct)
 - Continue Arcs 1 & 3 disconnects, magnets & girders removal, magnet refurb (by Jan 2013)
- **12GeV Accelerator – CM, Power, I&C, Safety Sys, & Cryo**
 - Linac Transfer Line Mods (Aug to Sept → end of Oct)
 - Hall D CHL Transfer Line & Header Work – solenoid dist can/header, transfer line (June through Nov)
 - Complete Box Supply & Shunt Shuffles (by end of Oct & Sept)
 - PSS Linac Upgrades (by early Dec)

3 Month Look Ahead – Major Activities (Sept, Oct, Nov 2012)

- **Acc Ops**
 - Various maint work
 - Dummy CM removal (by end of Aug)
 - CM Shuffle – R100 installation, 0L04 installation (by early Sept)
 - Transfer Line Alignment (by mid Oct)
- **Conventional Facilities (FM&L)**
 - Counting House Renovation construction starts (mid Aug)
 - CHL#1 Cooling Tower Headers & Setting Tower (Aug to end of Nov)
 - 40MVA to 22MVA tie line outage (18 Aug) & construction complete (by end of Sept)
 - Tunnel Penetration Repairs (waveguide, sl area, injector, HC truck ramp) (Aug to end of Dec)
 - B68 extension contract award & start of construction (by end of Oct)
 - MCC HVAC/Roof contract award to material orders (Oct to mid Nov)
- **FEL**
 - Admiral cavity processing/qualification (mid Aug to mid Nov); Admiral in VTA (Oct)
- **ESH&Q**
 - Dosimetry Changeout complete (by end of Aug); RAM Inventory complete (by end of Aug); RadWaste Shipment complete (by mid Sept)

3 Month Look Ahead – Major Activities (Sept, Oct, Nov 2012)

- **Hall A**

- Complete G2P removal – upside down girder (by early Aug)
- Installation of upstream beam girder continues
- Moeller Work continues
- Cryogenic work continues

- **Hall B**

- Complete FTOF removal (by mid Sept) - DONE
- Complete Split CLAS (by end Sept) - DONE
- Cable removal continues
- Complete Cerenkov Counters (end of Aug)
- Complete South Clamshell removal (by mid Oct)
- Start Torus removal (by mid Oct)
- Complete removal of CLAS drift chambers Region I (by mid Oct) & Region 3 (by early Nov)
- Complete Panel 2&3 TOF N&S Clamshell (by mid Nov)

3 Month Look Ahead – Major Activities (Sept, Oct, Nov 2012)

- **Hall C**

- Beamline removal completed (by early Aug)
- Complete QWeak decommissioning and removal (by end of Aug)
- Complete Concrete Floor removal complete (by mid Sept)
- SHMS rail section installation & alignment (mid Oct to mid Nov)
- Complete removal of SOS Dipole, shield hut, steel structure (by mid Nov)
- Start C-Can and platform removal (mid Nov)

- **I2GeV Hall D**

- Fiducialize Quad magnet (early Aug)
- Complete collimator shielding (by end of Aug)
- Hall electrical power infrastructure (end of Aug to end of Sept)
- Tagger, Goniometer, stands (survey) (early Aug to end of Oct)
- Solenoid platform installation (end of Aug to mid Oct → must be done sooner – task includes stairs not needed as soon)
- FCAL detector housing infrastructure (by mid Sept)
- PS Magnet fiducialization & initial alignment (by end of Sept)
- BCAL (light guides, rails) (start early Oct → will be delayed)

Baseline & Progress

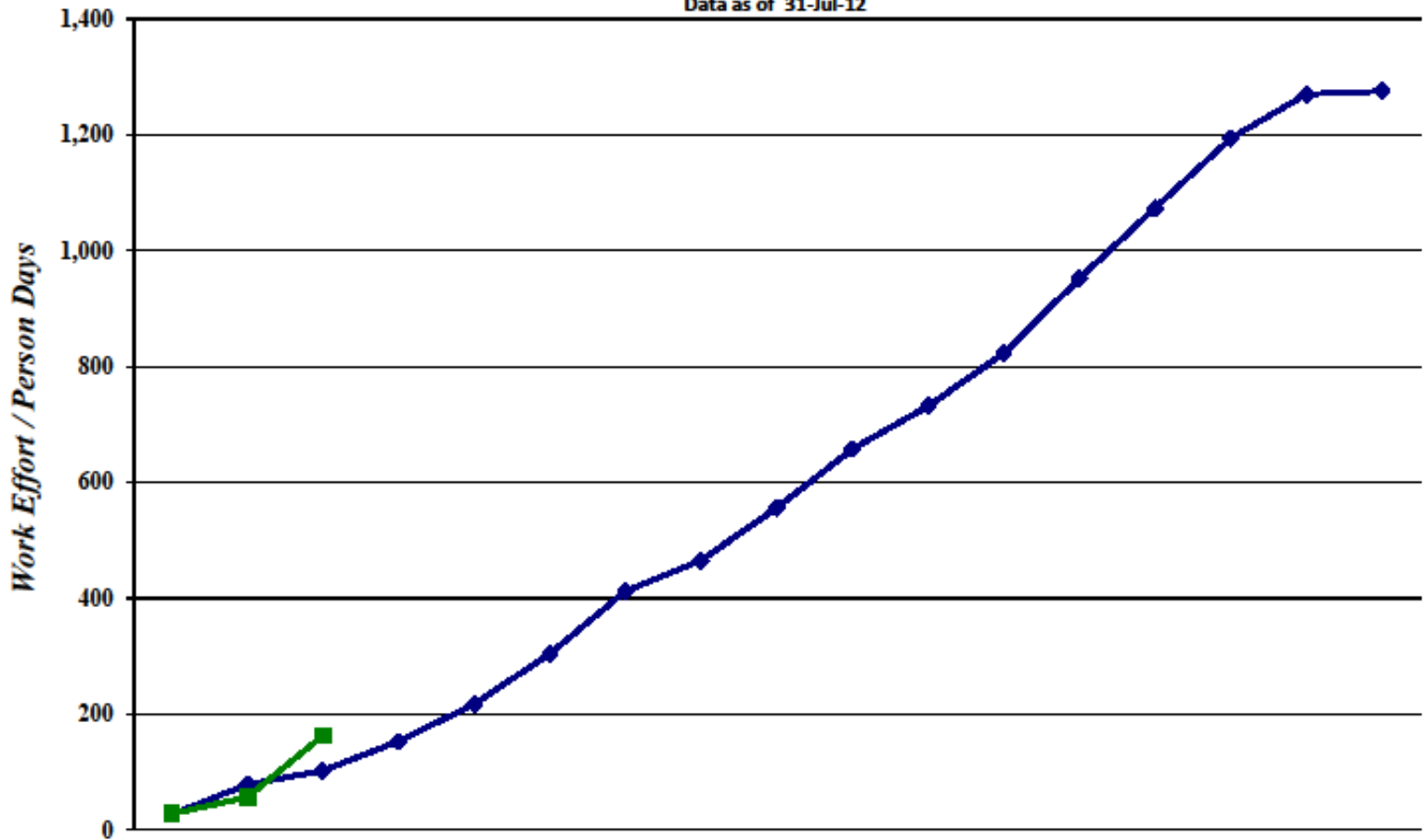
- Baseline achieved as of 11 May 2012 (12GeV activities are as of end of April 2012).
- Progress as of end of July completed 8 Aug 2012
 - Activities that did not start as planned & didn't have an updated start date provided → default to first working day of Aug 2012
 - All files posted to web
- Non-12GeV Progress sheets for Aug will be sent out 30 Aug and due back to PMI (chummel@jlab.org, patrickc@jlab.org) by **COB 5 Sept.**
- 12GeV progress will be collected by 7 Sept
- LSD Aug schedule will be updated by **11th / 12th Sept.**

Earned Value Charts - Discrepancies

- Providing correct progress is needed
- Titles will be changed – Aug sheets will reflect
- Will not be able to provide the progress line projected to end of project – issue with Primavera software calculation of remaining units.
- Some WBS will have lower levels to show your progress picture (i.e. – Hall B is behind in one WBS, but ahead in others and the roll up is showing ahead of schedule)

LSD 1.24.1 Hall A Maintenance and Upgrade EV Chart

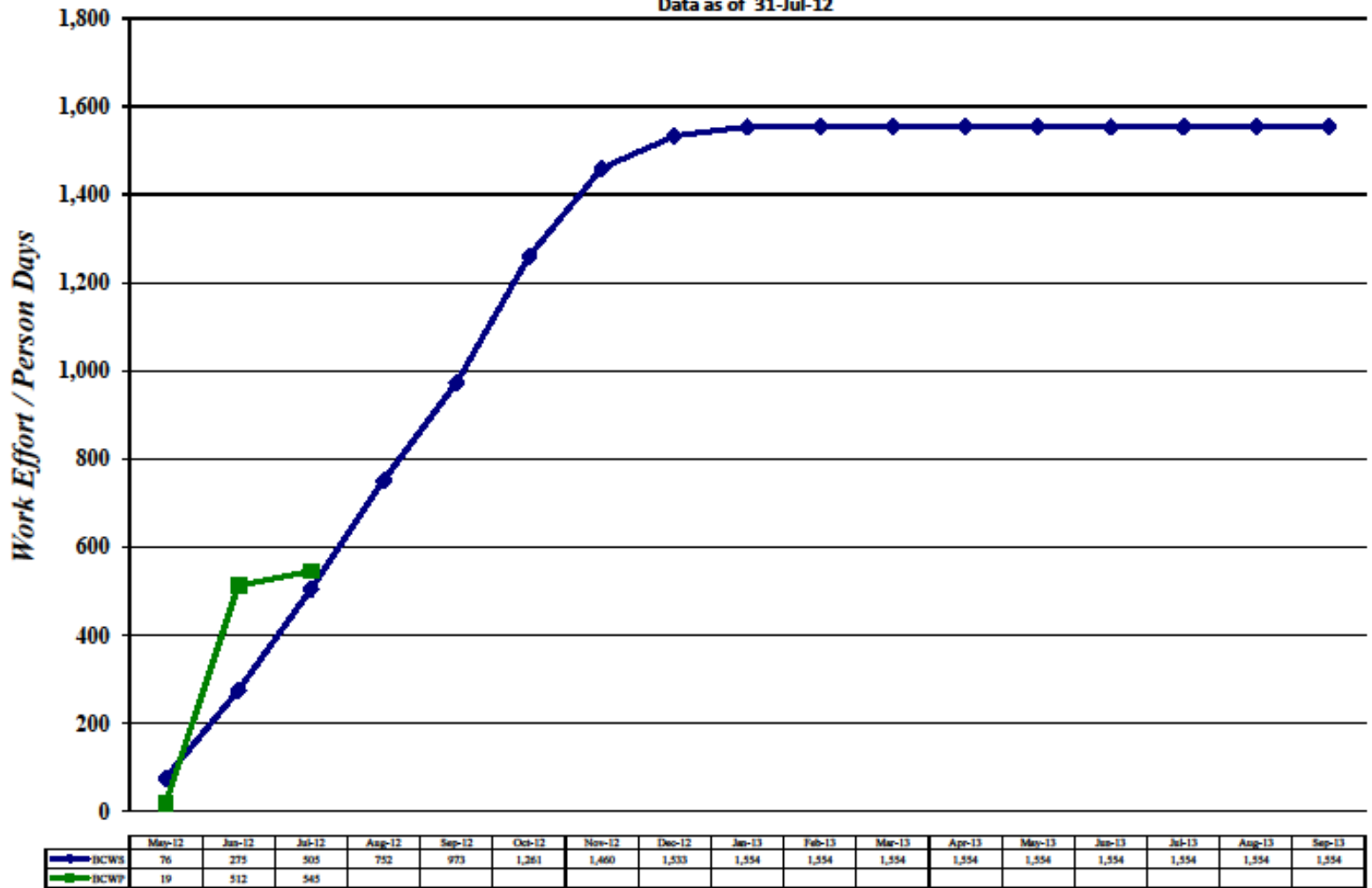
Data as of 31-Jul-12



	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
BCWS	27	79	102	153	217	304	412	465	556	658	732	823	952	1,074	1,194	1,270	1,275
BCWP	28	57	163														

LSD 1.24.2 Hall B Maintenance and Upgrade EV Chart

Data as of 31-Jul-12



Upcoming NTF/Change Requests

- ✓ 12GeV CR for ODH requirements NLinac/Tagger (L. Harwood/M. Spata) – approved by 12GeV & will be implemented in Aug progress updates as LSD CR-03. No impacts to LSD tasks/resources.

- 1. FEL MSINST support needed (B. Legg) – started discussions 6 aug. Needs support for vacuum (fast valve work & viewer), crane & crew for p.s. installation, darklight exp hardware removal, pss re-certification. Work to start in a few months (or earlier).
- 2. 12GeV Hall C Schedule Implementation (H. Fenker/G.Young) - Sept Review – 12 Sept 0900-10:30pm CCF224-225
- 3. 12GeV Hall B Schedule Implementation (Latifa/G.Young) -Oct Review
- 4. 12 GeV ACC RF Circulator Swaps (L. Harwood) – (pending funding, scope being reviewed)

- 5. NTF:TLA milestones (J. Preble/D. Napier)
- 6. NTF: CTF/TLA/CMTF milestones (E.Akers/D. Napier)
- 7. Cryomodule Maintenance/Commissioning (M. Drury/S. Suhring) – C25/C50 CM Commissioning
- 8. Klystron Maintenance/Testing (B. Merz/S. Suhring)
- 9. Cooldown Details (W. Oren/S. Suhring)
- 10. ARR (Accelerator Readiness Review) details (M. Logue/D. Napier)

Files (Posted to Website)

- <https://www.jlab.org/TLSD/SCHEDULES/>
- PDF & Excel version of schedule (baseline & progress)
- Resource Utilization File
- 8 Week Look Ahead – for the RPM Bi-Weekly
- 3 Month Look Ahead – for the Thursday LSD Team planning efforts
- Progress Schedule, Critical Path, & Resource Analysis File
- Earned Value (EV) Charts
- Change Request Folder
 - CR Page One template & example
 - CR Log