

# APS Upgrade Update

Jim Kerby

APS Users Monthly Meeting  
29 August 2012

# Reviews, Reviews, Reviews....

- [Imaging Beamline Review](#) (ISN, HEXST, WFI) 17-18 July
- [Spectroscopy Beamline Review](#) (RIXS, ASL, MS-H, MS-S) 19-20 July
- [Front End and Beamline Standard Components](#) 24-25 July
- [Ultrafast Beamline Review](#) 7-8 August
- [Diffraction Beamline Review](#) 14-16 August
- [Early Procurement Review, 16 August \(@Germantown\)](#)
- [Optics/Detectors Review](#) 21 August
- [Conventional Facilities Review](#) 21 August
- [SPX R&D \(SPX0\) Review](#) 23-24 August

## Director's Review for CD-2, 11-13 September

DOE CD-2 Review, 4-6 December



# Early Procurement Review 16 August



Advanced Photon Source Upgrade Project

APS-U Project > Project Reviews > DOE CD-3A, Long Lead Procurement > Pages > Agenda



APS-U Project | **Reviews** | Management

This Site: DOE CD-3A, L

## Agenda

- Charge to Committee
- Support Documents
- Review Presentations
- Review Close-Out Reports
- Closeout Documents

### DOE/SC Review of the Advanced Photon Source Upgrade (APS-U) Project CD-3A, Long Lead Procurement, Germantown, MD August 16, 2012 AGENDA

Thursday, August 16, 2012 - Germantown

8:30 AM	Executive Session	Lehman
9:00 AM	Long Lead Procurement Impact on APS Upgrade Project	Srajer
9:30 AM	Long Lead Procurement of RIXS and ASL	Kerby
10:30 AM	Executive Session	
10:45 AM	Closeout	
11:00 AM	Adjourn	

## Committee Members

Name	Inst.
Dan Lehman	DOE/OPA
Kurt Fisher	DOE/OPA
Ethan Merrill	DOE/OPA
Brian Huizenga	DOE/OECM
Rick Blaisdell	DOE/OECM

## Observers

Name	Inst.
Harriet Kung	DOE/BES
Phil Kraushaar	DOE/BES
Jim Murphy	DOE/BES
Peter Lee	DOE/BES
Joe May	DOE/BES
Tim Maier	DOE/BES
Brian Stephenson	ANL
Ron Lutha	DOE/ASO
Frank Gines	DOE/ASO
Ed Temple	ANL

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May have set new record for closeout duration  
Formal Approval - ESAAB - tomorrow



# Director's Review for CD-2, 11-13 September

Potentially you've heard this is coming up...

PDR Text under editorial review

Project Baseline frozen 25 August

- Scope had been largely fixed for some weeks
- Schedule was being shifted to meet BA profile from DOE

All required project documents released or in final review

Practice talks in process (as I speak...)


Please continue w/ your excellent support either through the talks, or backup materials, or PRDs/ICDs, or....

# Director's Review for CD-2, 11-13 September



Intra-Laboratory Memo

July 24, 2012

TO: L. Edward Temple, Jr., Project Advisor to the Director  
FROM: Eric D. Isaacs, Director, Argonne National Laboratory   
SUBJECT: Director's Critical Decision 2 (CD-2) Preparatory Review of the Advanced Photon Source Upgrade Project (APS-U)

I request that you organize and conduct a Director's Critical Decision 2 (CD-2) Preparatory Review of the Advanced Photon Source Upgrade (APS-U) project at the Argonne National Laboratory on September 11-13, 2012. The purpose of this review is to determine if the APS-U project has fulfilled the requirements for

{...}

In carrying out its charge, the review committee should respond to the following questions:

1. Project Scope: Is the project's scope and specifications sufficiently defined to support the established cost and schedule performance baseline? Is the preliminary design sound and likely to meet the technical performance requirements in the Mission Need Statement?
2. Cost and Schedule: Are the cost and schedule estimates, including life cycle costs, credible for this stage of the project to establish the project performance baseline; and do they include adequate scope, cost and schedule contingency?
3. ES&H/QA: Are the Environment, Safety & Health, and Quality Assurance requirements being properly addressed given the project's current stage of development?
4. Management: Is the project being properly managed at this stage? Does the project organization possess the leadership and staff with sufficient technical expertise and experience to successfully execute the proposed baseline?
5. Prerequisites: Have all of the prerequisite activities and documents necessary to support CD-2 approval been completed? Is the project ready for CD-2?
6. Recommendations: Have the recommendations from past reviews been appropriately addressed?

I would appreciate receiving your committee's findings, comments, and recommendations at the review closeout on the third day of the review.



# Summary

The project has done very well getting back up to speed in the past few months → thanks for your efforts!

We are on track to our CD-2 reviews, but have considerable work ahead of us.

→ Thanks in advance for your upcoming efforts!

→ Use the associate project managers to ask for additional help / guidance!

We realize that there is a level of formality that is a change from recent experience

→ Necessary to make the translation to our funding agency

Our goal is to complete the upgrade and keep Argonne the premier Photon Science Laboratory