

# Advanced Photon Source: Beamtime Allocation System

- Beverly Knott
- APS Beamtime Access Administrator
- “Three Way Meeting”
- Argonne National Laboratory
- July 31, 2013



# Beamtime Allocation System

- Proposal Submitted
  - 3 calls per year (March, July, October/November)
    - Proposal active for 6 cycles or until PRP recommended shifts expire
- Proposal Review Panels Meet
  - 2 Reviews per proposal
    - Score and Shifts Assigned
- Beamtime Allocation Committees Meet
  - Allocate Based on Score and Shifts Available
- Notifications sent to Spokesperson



# General User and Partner User Proposals

	<b>GUPS Submitted</b>	<b>GUPS Allocated</b>	<b>PUPS Submitted</b>	<b>PUPS Allocated</b>
FY 2009	1606	814	13	10
FY 2010	1675	902	15	9
FY 2011	1848	1019	10	8
FY 2012	2076	1119	13	11
% Increase	29%			(25 active PUPs)
	<b>CAT Staff Proposals</b>	<b>CAT Member Proposals</b>	<b>APS Staff Proposals</b>	
FY 2010	20	111	46	
FY 2011	22	157	136	
FY 2012	47	490	116	



## Review and Allocation Schedule

June 18, 2013

### APS Run Cycle 2013-3

<b>Total User Shifts in Run:</b>	<b>193</b>
Operations Allowance (8%):	15
<b>General User Baseline:</b>	<b>178</b>
20%	36
25%	44
50%	89
75%	134
80%	142

Date	Day	Action
July 12, 2013	Friday	Proposals due for 2013-3 Run Cycle
July 30, 2013	Tuesday	Proposal Review Panels Meet
August 2, 2013	Friday	MX PRP to finalize reviews and to make recommendations on project status requests
August 2, 2013	Friday	PRP scores/comments available to Beamline Administrators
August 2, 2013	Friday	Prospective project status proposals (PRP-recommended) sent out for beamline comment
August 2, 2013	Friday	Prospective project status proposals posted for SAC subcommittee review
August 5, 2013	Monday	Aging Process Run
<b>August 6, 2013</b>	<b>Tuesday</b>	<b>Beamline input on project status proposals due to User Office</b>
August 7, 2013	Wednesday	SAC Subcommittee to make decisions on PUPs and project-status GUPs
<b>August 9, 2013</b>	<b>Friday</b>	<b>Last day to request changes to total GUP % or Rapid Access %</b>
<b>August 9, 2013</b>	<b>Friday</b>	<b>Beamline Administrator comments on PRP-recommended proposals due</b>
<b>August 9, 2013</b>	<b>Friday</b>	<b>NUF claims completed in GUP system</b>
August 12, 2013	Monday	Project Proposal e-mails to users and beamlines
August 13, 2013	Tuesday	Beamtime Allocation Committees meet
August 16, 2013	Friday	Draft allocations to all beamlines
<b>August 22, 2013</b>	<b>Thursday</b>	<b>Beamline concurrence or comments on draft allocations</b>
Week of August 26, 2013	~Wednesday	Notices go out to users
Week of September 2, 2013	~Wednesday	Expiration process run

#### Next Run

Run	Proposals Due	PRPs	BAC	Notifications (approx.)	Run Begins
2013-3	Friday, 07/12/2013	Tuesday, 07/30/2013	Tuesday, 08/13/2013	~Week of 08/26/2013	~Sept, 2013

# GUP Questions

- I missed the deadline, what can I do?
  - We change rapid access proposals to regular the day after the deadline
- I left out an important part of my proposal. Now what?
  - We can add it before the review panels meet.
- How do I do a new proposal so that I can get time next cycle?
  - Usually encourage PI to do a BTR to take advantage of aging process.
- The beamline I want does not show up on the BTR.
  - Make sure that they answered the questions on first page correctly.
- I can't get my CAT Staff time into the scheduling system for previous cycle.
  - Enter it for them
- I am trying to review this proposal, but it is the same as a previous one (PRP).
  - Contact the PI, tell them that they should have done a BTR on the old proposal.
    - Do it for them and then deactivate the new proposal.



# Proposal Review Panels

- Non-Protein Crystallography Reviews
  - 67 Reviewers Meet in Panels at APS
    - FY 2012 Reviewed Over 1800 Proposals
- Protein Crystallography Reviews
  - Over 200 Remote Reviewers
    - FY 2012 Reviewed Over 230 Proposals
- Powder Diffraction Reviews
  - 25 Remote Reviewers
    - FY 2012 Reviewed Over 150 Proposals



# Non-PX Proposal Review Panels

Panel	Panel Members	No. Proposals (New and RA)	Project Status Proposals	PUPs to review
Imaging/Microbeam	9	103	1	1
Applied Materials	6	51	0	0
Condensed Matter	9	76	1	1
SAXS	6	74	2	0
Spectroscopy	9	100	0	0
High-Pressure	10	76	0	0
Chem/Biol/Environ	6	56	1	1
Instrumentation	3	7	0	0
Structural Science	8	58	0	0



# Beamtime Allocation Committees

- Non-Protein Crystallography
  - 4 Members Meet Together at APS
    - FY 2012 Considered Over 3000 BTRS
      - FY 2012 Allocated over 1500
  
- Protein Crystallography
  - 3 Members Meet by Phone
    - FY 2012 Allocated 25 BTRS





# Recent Developments

- Created new PRP for Structural Science
  - All Structural Science Proposals are now reviewed by same group
    - 8 members
- Created new PRP for 11-BM Mail-In Powder Diffraction Proposals
  - Currently has 27 reviewers
    - In first year reviewed 126 Proposals
- First Advanced Test Reactor Experiments
  - Ran on 1-ID in 2013-1. APS safety personnel worked alongside ATR and proposal spokespersons to coordinate
- First Multi-Facility Proposal
  - Ran in 2013-1 at CNM and 8-ID
    - Have had 4 users submit rationale for multi-facility proposals. Only one has followed with actual proposals.

