

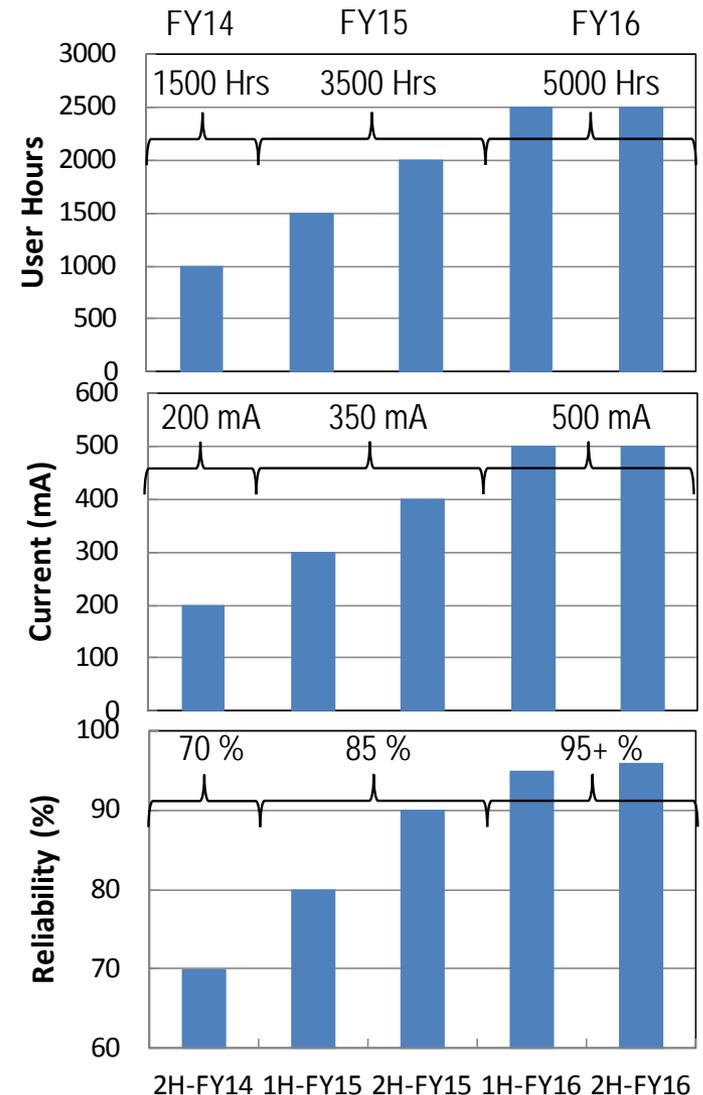
Impact of NSLS to NSLS II Transition on DOE User Community

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PUC Meeting
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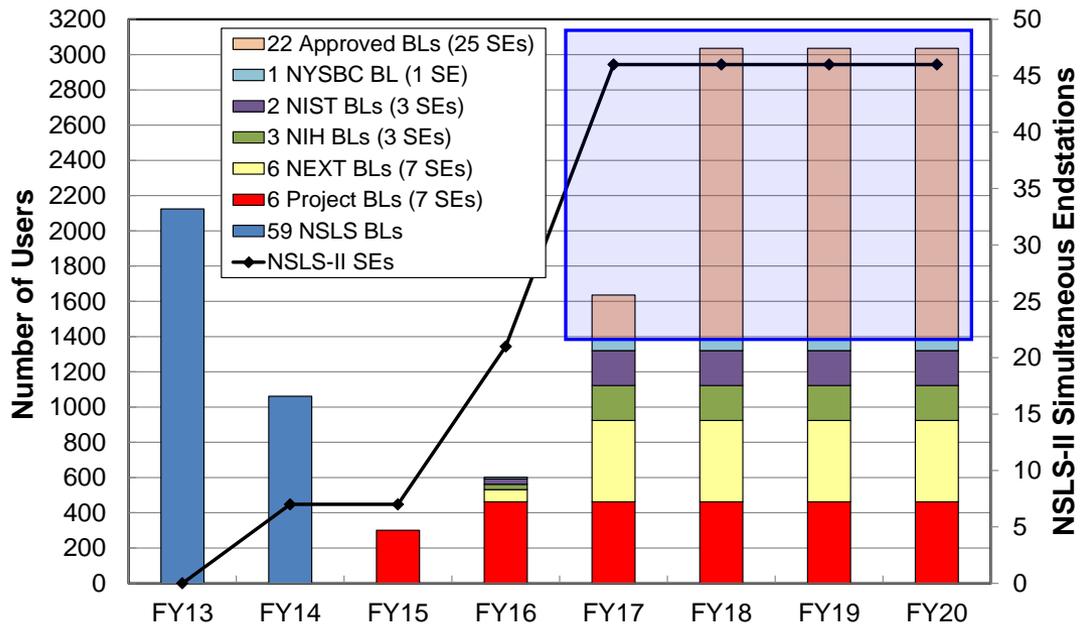
NSLS II Planned Accelerator Operations and Beamline

Initial tasks limiting user hours

- Shake-out & conditioning of accelerator
- ID installation
- Beamline commissioning



Number of Users That Can be Supported by Fiscal Year at Brookhaven



- NSLS stops & NSLS-II starts mid-FY14
- NSLS-II will host
 - ~ 300 users with 7 BLs in FY 15
 - ~ 600 users with 21 BLs in FY16
 - At least 1400 users with 21 BLs in FY17 (more if additional beamlines are funded)
- NSLS-II provides net capacity increase before end of decade (with additional beamline funding)
- *But substantial capacity reduction for several years starting FY14*

Investigating Overlap of User Communities Between NSLS and the APS, ALS or SSRL

- As part of coordination discussions the facilities asked their user administration offices to share information about users for FY11 with the goal of determining how many individuals utilizing NSLS also use one or more of the other facilities.
- Some effort was made to identify MX and non-MX users based largely on the NSLS-beamlines they used for their experiments.
- This analysis is somewhat rough and ready, but we obtain at least an order of magnitude feel.
- The overall conclusion was that the overlap in users from NSLS to other facilities was smaller than we had originally anticipated (~22%), with most overlap to APS.

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Thanks to K. Nasta, S. Strasser, S. Bailey and C. Knotts - (NSLS,APS, ALS, SSRL)

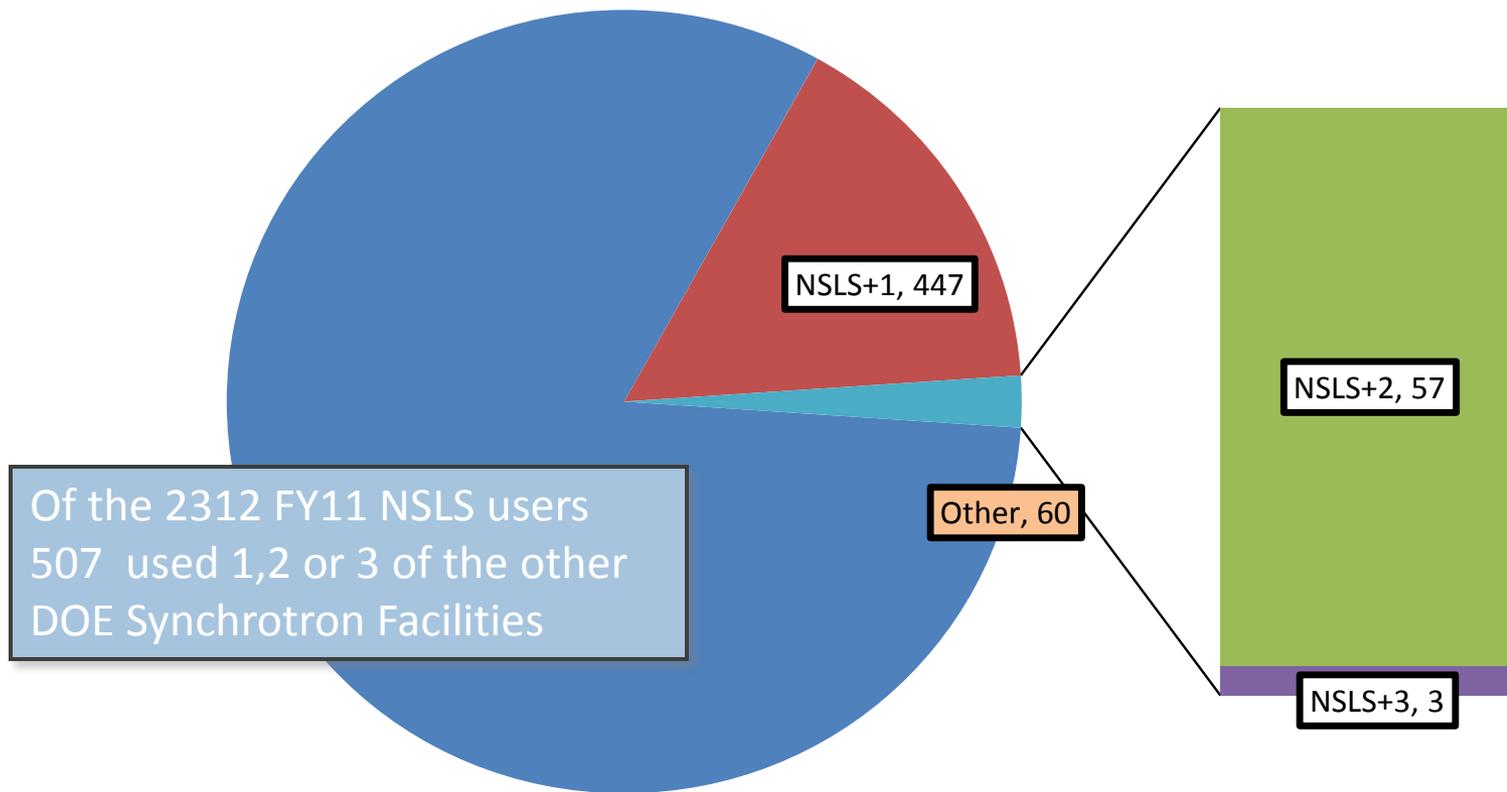


Overall User Community Analysis

- Data from APS,ALS and SSRL is for FY11 only
- Data from NSLS for FY10 and 11 were used
 - Year to year variability at NSLS
 - 3192 unique individuals
 - 1334 who used NSLS both FY10 and 11
 - Average 2263 users/year at NSLS
- Analyzed overlap of users from FY10 & 11 with FY11 APS, ALS and SSRL
 - 577 NSLS users also used one or more of the other facilities
 - 71 used two other facilities (total of 3 facilities)
 - 5 users went to all 4 DOE facilities in FY11



Overlap - Total Community (FY11 only)



In common with the 2312 FY 11 NSLS Users

APS – 363 (16% of NSLS)

ALS – 92 (4% of NSLS)

SSRL – 55 (2% of NSLS)

Overlap in MX

- NSLS FY10 and FY11 total 714 MX users
- 396 used NSLS both years
- In FY11 of those 714 MX users (FY 10&11)
 - 142 used APS
 - 26 used ALS
 - 11 used SSRL
- Interestingly the MX community accounts for
 - only 19 of the 71 three facility users and
 - none of the 5 who used all four facilities



Comments?

- I'd be glad to bring any of your comments/concerns to the Working Group.