

PSC ALL-HANDS MEETING JANUARY 27, 2021



STEPHEN STREIFFER

Deputy Laboratory Director for Science & Technology
Interim Associate Laboratory Director, Photon Science

AGENDA

- **APS update** – Stephen Streiffer
 - Safety
 - Budget
 - DEI
 - Awards
- **ALD search update** – Kathy Harkay
- **APS Operations update** – John Connolly
- **User survey** – Denny Mills
- **APS-U update** – Elmie Peoples-Evans
- **Questions from audience / responses from APS leaders**

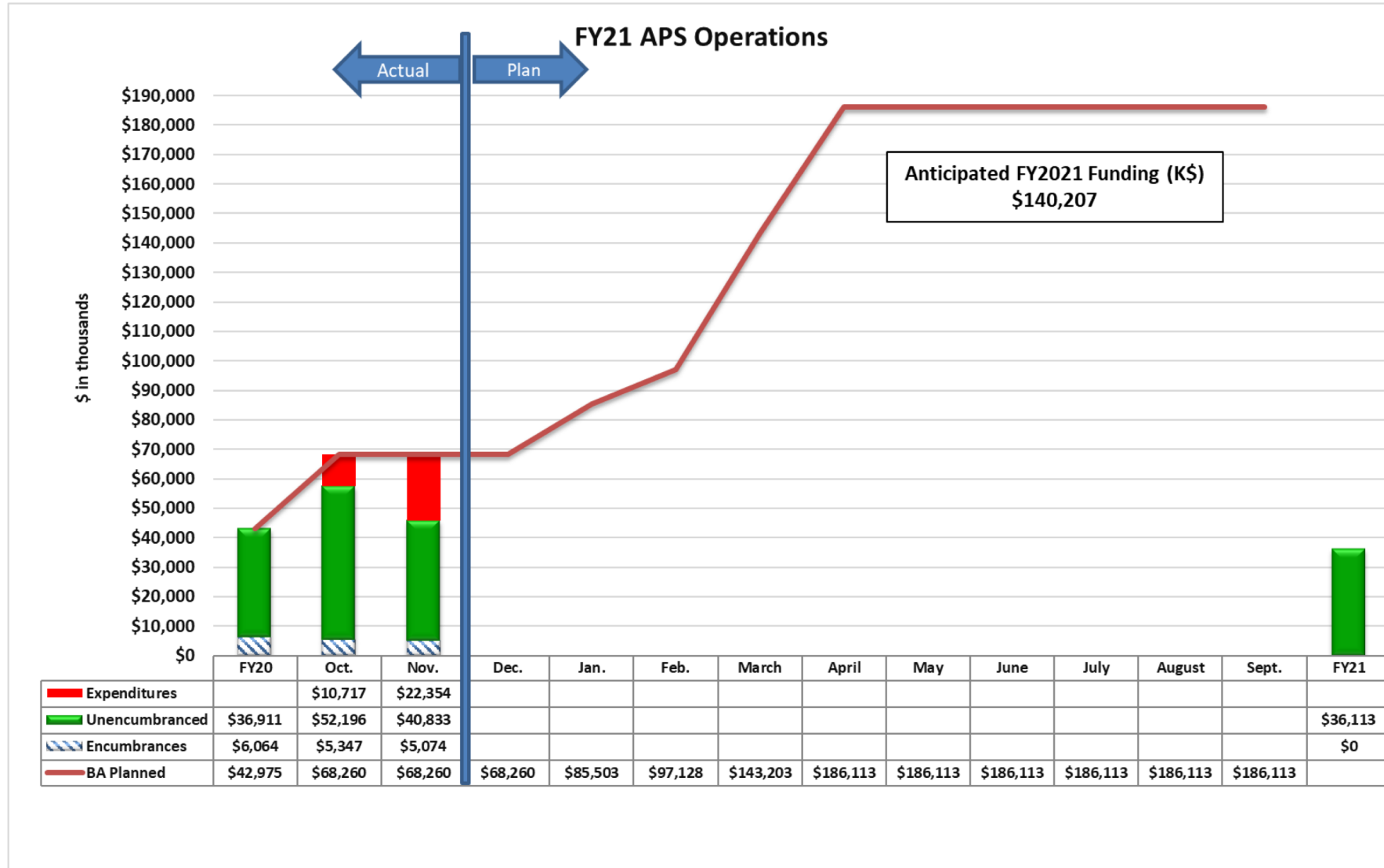
It's OK to tell your family & friends & neighbors
That the place you work played a major role in development of COVID vaccines

To keep up with the latest APS news & research: www.aps.anl.gov

SAFETY

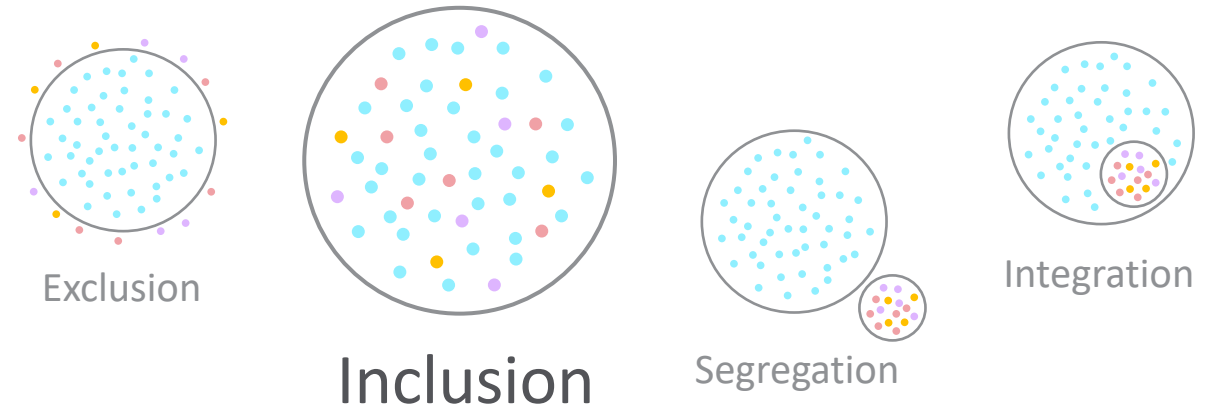
- **Photon Sciences safety record is excellent for FY21 - No Injuries**
- **COVID Controls still in place on-site - remember the 3Ws:**
 - **Wear a face covering**
 - **Wash your hands**
 - **Watch your distance**
- **COVID-19 vaccine**
 - Argonne is not currently able to offer COVID-19 vaccines, though it is investigating the option to offer them to employees through partnership with the DuPage County Health Department.
 - If you would like to receive the vaccine, you should investigate your county's distribution plan and register as you are able.
- **COVID-19 vaccines are not currently mandatory for on-site work at Argonne**
- **ANL COVID-19 resources**
 - [COVID-19/coronavirus FAQ](#)
 - **Argonne's 24x7 COVID-19 Question Line at 1-630-252-2555.**

APS OPERATIONS – FY21 BUDGET



Diversity, Equity & Inclusion

- PSC DEI Quarterly E-News:
 - October 19, 2020
 - January 11, 2021
- Activate your LinkedIn Learning account
- Subscribe to STEM outreach program
- PSC Suggestion and Concern Page



“*The voice of PSC*”: every 3rd Thursday of the month at 1pm - [Join on Teams](#)

02/18/2021 1 pm – 2 pm

03/18/2021 1 pm – 2 pm

Safe and open forum to share videos, thoughts, ideas, and concerns. Conversation continues offline on [DE&I Teams channel](#). Everyone is welcome!



"DIVERSITY IS BEING INVITED TO THE PARTY;
INCLUSION IS BEING ASKED TO DANCE."

VERNA MYERS, DIVERSITY AND INCLUSION EXPERT

To find out more about DE&I Council and ongoing activities & events, visit <https://www.aps.anl.gov/About/Committees/Diversity-Equity-Inclusion>

AWARDS & HONORS

- **Vincent De Andrade** (left) and **Doga Gursoy** (both XSD) were members of an innovative collaboration between computer and computational scientists from the Data Science and Learning Division (DSL) APS, and the Electrical and Computer Engineering department at the University of Illinois at Urbana-Champaign that won the Best Paper Award at the SC20 virtual conference.
- **Michael Wojcik** (XSD) was a co-winner of a 2020 R&D 100 Award for the X-ray Polarizing Beam Splitter, the first-ever instrument to combine an x-ray polarizer and an x-ray beam splitter. The tool can be used for plasma diagnostics and for analyzing the linear polarization state of an x-ray beam, and can even be used in reverse to combine two x-ray beams into one.



IMPACT ARGONNE AWARDS



- **Extraordinary Effort - Peter Kenesei, Troy Lutes, Ali Mashayekhi, Sarjvit Shastri:**
ANL and LANL planned an experiment to demonstrate the potential for significantly enhanced impact by the APS (and other SC experimental user facilities) to help meet the nation's needs that are represented by the NNSA laboratories. Despite protocols that introduced difficult challenges as well as physical challenges due to COVID controls, the extraordinary effort provided by our APS team members ensured the success of the experiment and created significant impact while laying the groundwork for future experiments.
- **Program Development - Yi Jiang, Jeffrey Klug, Junjing Deng, Yudong Yao, Zhonghou Cai, Chris Roehrig, Curt Preissner, Bonnie Basiorka, Peter Slawniak, Collen Trattner:**
The team took on the challenges from an IARPA SIPP and procured in a very short time-frame a multimillion-dollar research instrument from a foreign national laboratory (PSI, Switzerland), with substantial procurement and contract challenges. This brought a new capability to Argonne, namely ptychographic laminography, i.e., x-ray-based lensless imaging with 10-nm resolution for extended 3D objects. This team collaborated across divisions and groups, sometimes laying aside their own projects to accomplish a larger goal, while respecting each other's perspectives and contributions. The work was carried out safely with some very hard and challenging deadlines.

IMPACT ARGONNE AWARDS



- **Extraordinary Effort – Aaron Lopez, Aleksandar Marcetic, Andrew Matillion, Brian Poncin, Chris Same, Curt Forth, Dan Burke, Debra Curry, Dusan Banjanac, Glenn Moonier, Guy Harris, Joe Budz, Jovo Zubovic, Melvin Gonzalez Cruz, Phil McNamara, Ralph Bechtold, Scott Petersen, Tim Clute, Grace Avellar, Verne Koepke:**

For planning, support and execution of the Lab's COVID-19 operational response. The APS 25-ID front end installation was a DOE milestone for APS-U. The installation was also critical in order to test the new design of the canted undulator beam position monitors. Due to COVID issues, the typical fall shutdown was moved up 2 weeks and shortened causing a strain on assembly and installation completion. The team exhibited extraordinary determination and effort in order to meet this goal ahead of schedule so as to not to delay start of the APS user operation.

- **Extraordinary Effort – Patricia Pedergnana:**

For her work as Chair of the Photon Sciences Design Review Committee (PDRC). From January through mid-September 2020, the PDRC conducted about 80 reviews of various types and Patti has been very effective as the PDRC chair in handling reviews efficiently and thoroughly. She went above and beyond her responsibilities by chairing reviews within her knowledge base, helping with notifying and providing information to reviewers, and documenting the reviews. Her ability to bring closure to this process is truly remarkable.

IMPACT ARGONNE AWARDS

- **Extraordinary Effort – Brian Robinson, Roger Sersted, John Hammonds, Arthur Glowacki, Faisal Khan, Sinisa Veseli, Troy Lutes, Fanping Zhu, Steve Potempa, Danny DeVito, Zachary Basile, Ken Sidorowicz, Nicholas Schwarz, Jon Smejkal:**

This team spanning two Divisions in PSC showed extraordinary teamwork, dedication, and impact in developing, deploying, training, and supporting staff on tools and applications that enabled approved staff and users remote access to APS XSD beamlines during continued reduced on-site presence because of COVID-19. The work helps the APS fulfill its mission of providing outstanding hard x-ray synchrotron radiation beamlines to the user community. The work also provides a continued path to increased productivity in the future (post-COVID) by allowing research teams to interact more productively during their experiment time at the APS independent of the location of the team members.



25+ YEARS SERVICE AWARDS

30 years
Dean Haeffner
Tim Mooney
Jaromir Penicka