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## A BUSY FEW MONTHS!

Project / PSC reviews completed and upcoming:

- a. Shutdown Preparation Readiness Review: August 16-18
- b. Experimental Systems Advisory Committee (ESAC): each morning of August 17 and 24
- c. Argonne EVMS Surveillance Review: August 23-25
- d. Beamline Radiological Review: September 12
- e. Accelerator Readiness Review Update: September 21
- f. Director's Review: October 4-6
- g. Machine Advisory Committee (MAC): October 13-15
- h. Accelerator Radiological Review: October 28
- i. OPA Review of the APSU: November 15-18

going forward to – and beyond -- the upgrade

j. Scientific Advisory Committee Meeting: November 16-17

Extraordinary lift by staff, with special thanks to our external reviewers on each committee.

Verene divenaged by Uchicago Argonne. LLC.

The conversations to help us make the most robust plan possible Argonne.

## **CURRENT STATUS AND SCHEDULE**

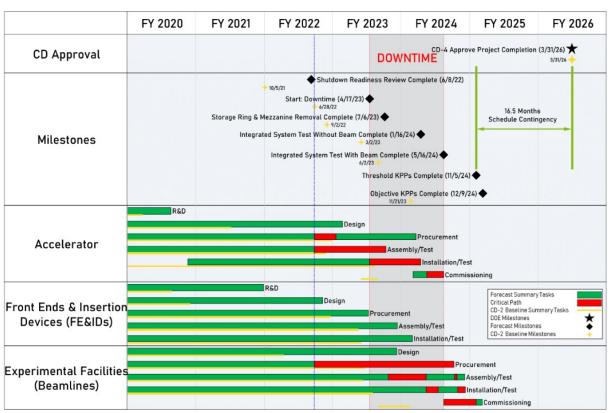
User operations scheduled to end April 17, 2023

Accelerator shutdown April 24, 2023

Plans vetted by shutdown preparedness readiness review

Accelerator component delivery, acceptance and assembly drive the shutdown.

Supply chain and inflation impacts continue; close work with vendors to hold schedule, including finding parallel sources for components







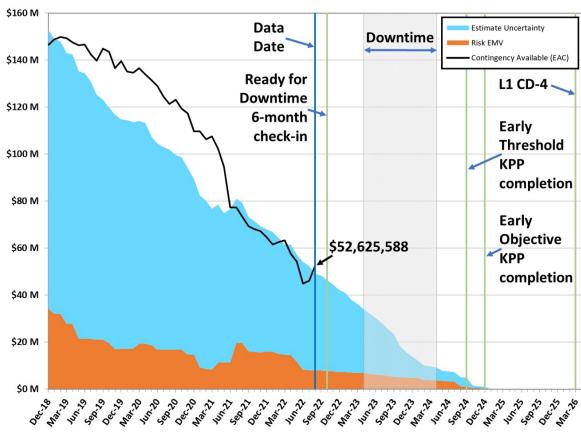
## PROGRESS AND CONTINGENCY

Project exercised scope options to increase cost contingency to adequate level - 24% of work to go - without affecting delivery of Objective KPPs

- "Major Item of Equipment" and other means under development to enable full realization of facility capabilities
- New and future capabilities matrix available on through web page

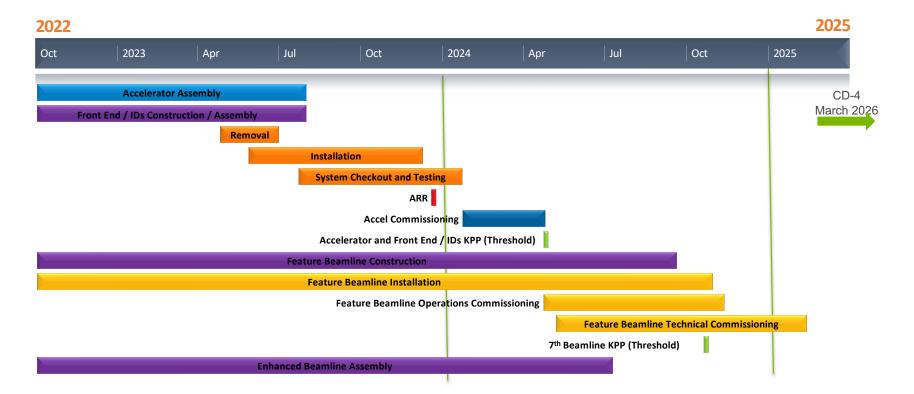
Schedule to the shutdown is the short term priority

Close interactions w/ our industrial partners is critical





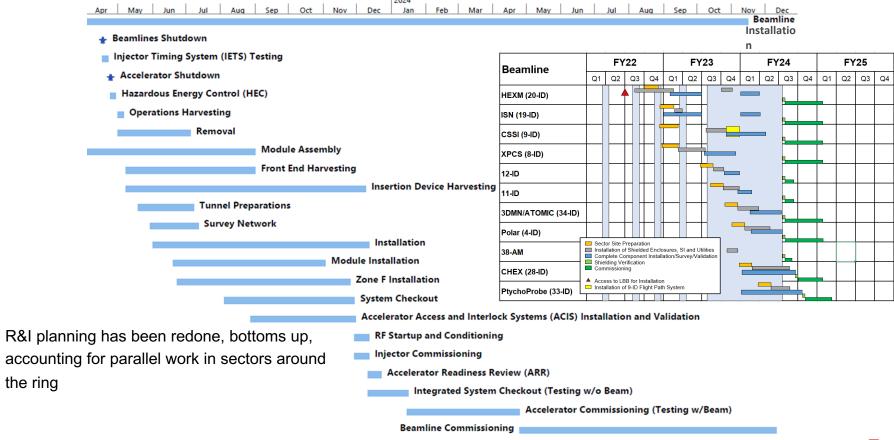








# **INSTALLATION SCHEDULES**





the ring



### **BEAMLINE COMMISSIONING**

Integrated Plan for ALL beamlines in development Most effective return to User operations across the facilty is the overarching goal Feature Beamlines largely driven by construction / deliveries Schedule of the remainder of beamlines to be set based on

XSD / APSU leading development of planning

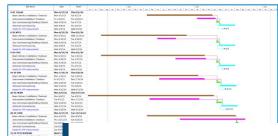
readiness, complexity, ...

- Review of resource needs and leveling
- Integration with accelerator
   ENERGY Disposition of Energy Laboratory
   S. Department of Energy Laboratory
   Managed by Uchicago Argonne, LLC.

#### **Beamline Installation Schedule**

- Beamlines will be built in series using dedicated technician
- Technician teams need to be coordinated (example: installation of RSS components requires multiple tech types working together)

Argonne 📤



### **Projected Schedule for ID and BM Beamlines**

- Schedules for Insertion Device (ID) beamline installations designed around shielded enclosure installation (component delivery) dates from vendors
- ID front-end and BM work based on dark time schedule
- APS-U responsible for beamline component technical verifications
- Operations handles beamline commissioning and preparation for user operations







### **SUMMARY**

172 days to go! We will continue to communicate updates on a monthly basis (check the web page!)

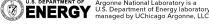
The reviews have confirmed and helped our planning to become more robust. The strength of the team is noted by all.

Planning for 'APS after the Upgrade' is under way. More news to come.

### **Upcoming Reviews**

- Accelerator Radiological Review: October 28
- OPA Review of the APSU: November 15-18
- Scientific Advisory Committee Meeting: November 16-17

Thank you for your continued interest in, support of, and safe work conducted on behalf of the Lab, PSC and the Upgrade



### COMMUNICATIONS

APS Upgrade web page on the APS website

https://www.aps.anl.gov/APS-Upgrade

APS Upgrade web page on the Argonne website

https://www.anl.gov/aps-upgrade

172 days to the shutdown!





