

APS Upgrade Update

Long shutdown status:
two months in...

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Project Manager, APS Upgrade

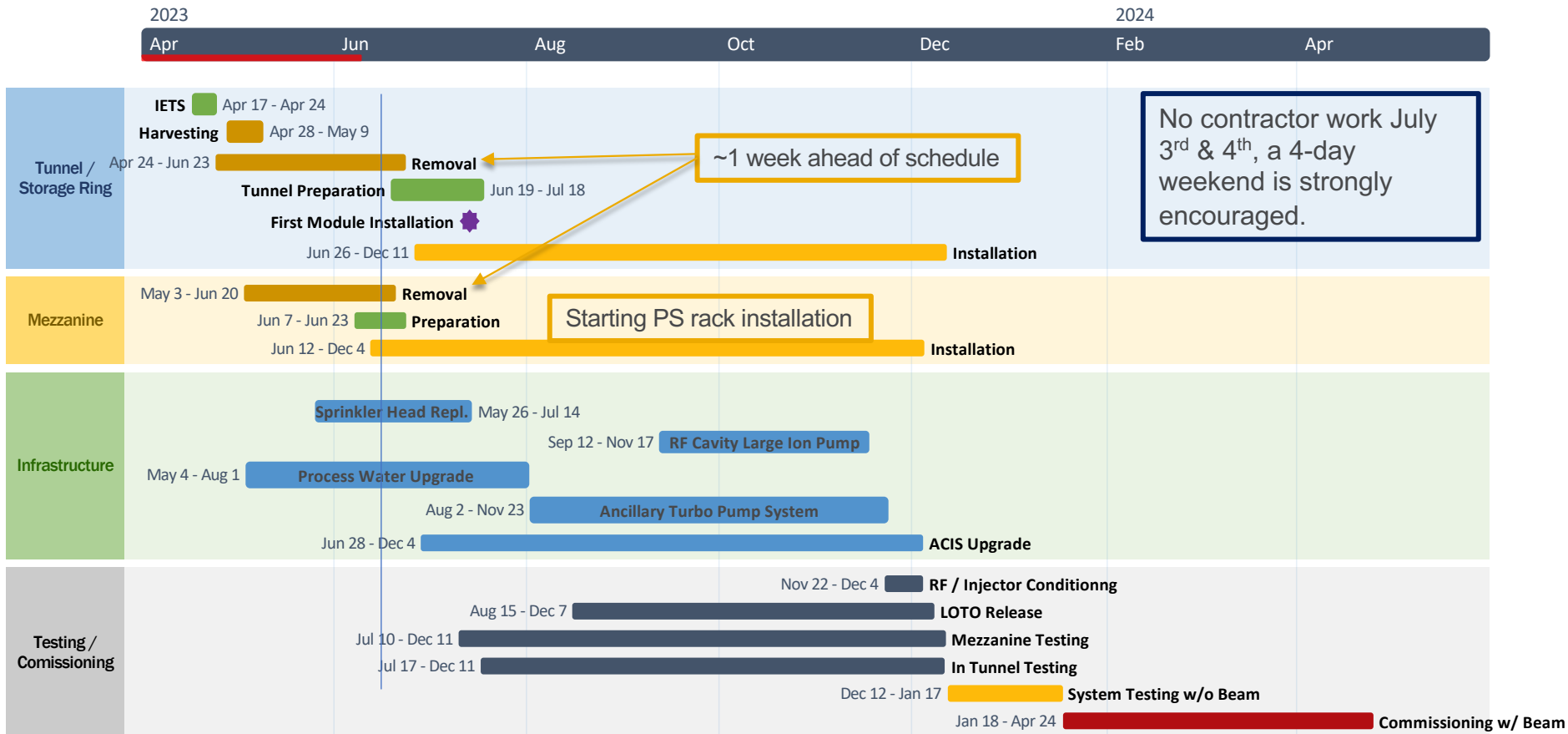


U.S. DEPARTMENT OF
ENERGY

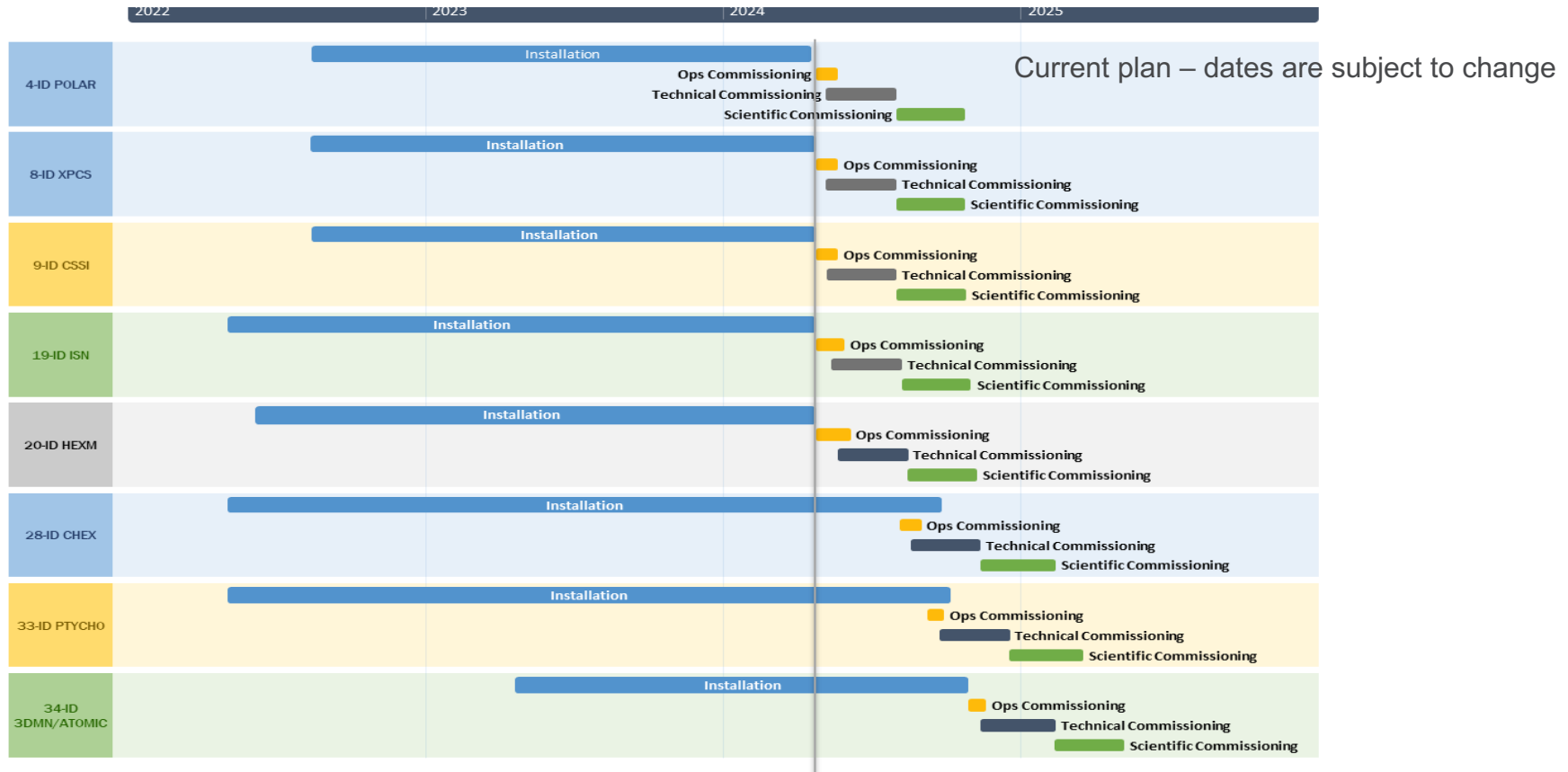
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STORAGE RING SCHEDULE



FEATURE BEAMLINE INSTALLATION SCHEDULE

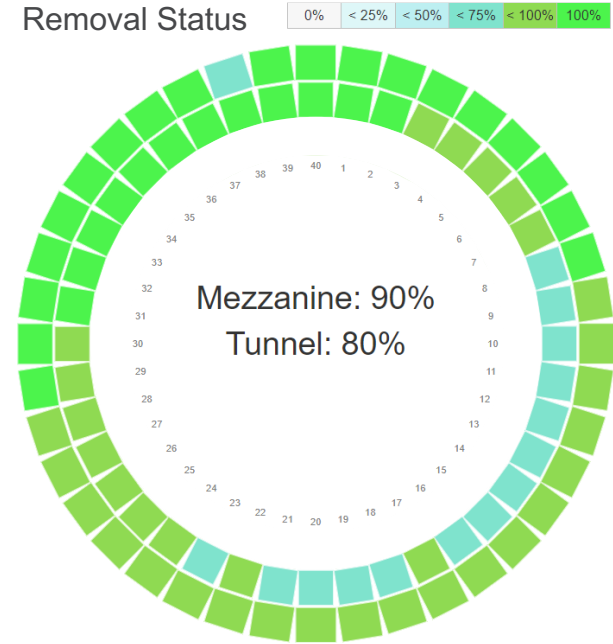


Shutdown ends

ACCELERATOR STATUS

- HEC De-Energization Complete (Phases 1 & 2)
 - Planning for re-energization (Phase 3)
- Harvesting Complete
- Removal +80% Complete
 - All IDVCs, IDs and bases removed
 - All girders removed
 - All mezzanine rack hardware removed
 - >75% Front Ends removed
 - >45% Cables removed
- Installation Started
 - Mezzanine power supply rack installation in sectors 5 & 6
- Test & Checkout not started
- Commissioning not started

Removal Status



EXPERIMENT FLOOR STATUS

- FOE Prep Work 100% complete
 - 19-ID and 20-ID prep work 100% complete
 - 23-ID optics installation complete!
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- Component harvesting in progress at 28-ID
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- Installation in progress
 - 8-ID utilities installation ongoing
 - 9-ID enclosure installation ongoing
 - Cleanup at various beamlines remains ongoing to prepare for installation



22-BM Upstream C



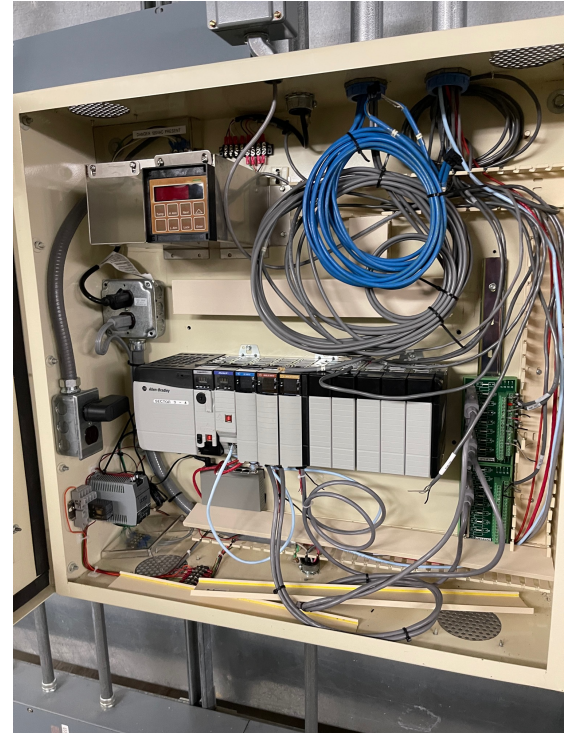
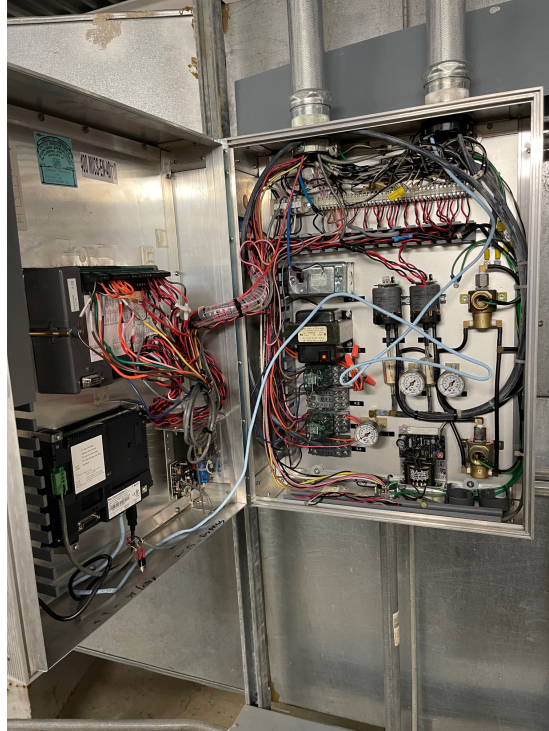
23-ID Survey and Alignment

PROGRESS IN PICTURES



Empty tunnel

PROGRESS IN PICTURES



Mechanical Mezzanine water system work

PROGRESS IN PICTURES



PROGRESS IN PICTURES



PROGRESS IN PICTURES



APS-U GOING STRONG...

- Teams performing great, doing a remarkable job
- Removal mostly complete, transitioning to installation
- Preparations for and transitions to installation underway
- Pay attention to markings and your surroundings
- Completing work safely, utilizing work pauses to get it right.

THANK YOU FOR YOUR HARD WORK &
DEDICATION! APS-U ISN'T POSSIBLE
WITHOUT THIS TEAM



KEEPING US INFORMED

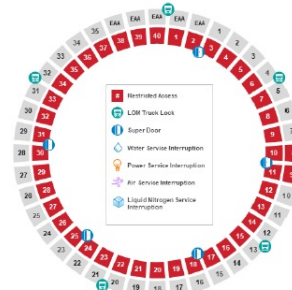
- Weekly update – if you aren't on the email list already, email pow@anl.gov
- Plan of the week is in the box folder and attached to the email
- PLEASE ALWAYS WEAR APPROPRIATE PPE (AND REMIND YOUR COLLEAGUES!)
- We want you back, every day!



PLAN OF THE WEEK FOR JUNE 12 - 18, 2023

SAFETY FIRST! BE AWARE OF YOUR SURROUNDINGS AT ALL TIMES. TAKE A MOMENT TO MAKE SURE YOU ARE PAYING ATTENTION TO WHAT'S HAPPENING AROUND YOU.

ACCESS LIMITATIONS



Construction areas requiring proper personal protective equipment (PPE):

- Storage ring
- Storage ring mezzanine
- Mechanical mezzanine
- Experiment floor sectors 8 and 9. Pay attention to local postings

Please note that other work will be happening outside of these areas. Be alert and obey all construction signs and barriers. Please contact floor coordinators to schedule any experiment floor work.

QUESTIONS ABOUT THE PLAN OF THE WEEK?
EMAIL POW@ANL.GOV

SIGNIFICANT WORK ACTIVITIES

- Wall collimator removal on experiment floor in high-20 and low-30 sectors. Some areas will be walled and taped off. **PAY ATTENTION TO SIGNAGE**
- Removal of front end tables and first optical enclosure (FOE) tables in the storage ring
- Cable removal in the storage ring tunnel and mezzanine
- Installing power supplies on the mezzanine at storage ring sectors 5 and 6
- Construction at experiment hall sectors 8 and 9
- Moving and relocating front end tables and FOE components at all beamlines
- Air handler maintenance in the Linac, PAR and 420 areas
- Installing new sled in Linac area 6

REMINDERS

- Wear the proper PPE for the job at all times! Hard hats, safety glasses, over-the-ankle safety boots are required in construction areas
- There are 4 parking spots for deliveries in the infield. Parking passes are available from Ed Russell. **Please return them as soon as possible when your delivery is complete.**
- Slides for toolbox talks are archived [in this folder](#)

THE FULL PLAN OF THE WEEK (POW) SPREADSHEET IS AVAILABLE IN [THIS BOX FOLDER](#)
DOWNLOAD THE [GUIDE TO THE SHUTDOWN](#)