

## Power Systems Group FY'16 Goals

Note. The major headings describe the goals for FY16. Bulleted items under each heading describe specific goals, but are not intended to be an all-inclusive list of relevant and appropriate activities.

### Maintain excellent performance and reliability of the APS power supplies

- Continue to provide day-to-day operations support for accelerator systems and meet the ASD reliability goals while meeting the challenging demand from the APS-U projects
- Follow the QA program to ensure high quality power supply equipment
- Actively pursue the cause of each fault, proactively identify weak components, develop and implement feasible solutions
- Improve the accuracy and completeness of the engineering documentation for equipment support

### Develop and implement new and upgraded equipment to meet programmatic needs of the APS

- Participate in the APS Upgrade
  - Continue the power supply R&D
  - Perform the fast kicker/pulsar R&D for the beam injection and extraction system
  - Start the preliminary design and achieve the goals set by the Upgrade office for CD-2
- Utilize resources on high leverage and high impact activities and accomplish the goals of the AIP projects
- Collaborate with and support other APS technical groups in developing new equipment

### Develop and improve core technical competencies and broaden knowledge within the group

- Continue to cross-train staff and technicians group wide to enhance the technical competence
- Participate in appropriate professional training, attend technical conferences
- Keep up with new technologies and take initiative to do R&D on new power conversion technologies

### Promote a safe work environment and proactively follow the Laboratory and the APS safety policies.

- Achieve 100% compliance with web-based TMS training courses
- Maintain good housekeeping and safe work conditions in all the work areas
- Proactively follow the Laboratory and the Division safety policies in daily activities, review the safety practice group wide on a regular basis