Power Outages beginning on November 3rd through November 4th

Beginning on the afternoon of November 3rd, but more noticeably on November 4th, we will begin an important step in the process of replacing the Master Substation from which a large portion of the site's conventional power is distributed.

The rolling outages that many buildings will experience on November 4th are all part of the process to switch the loads from the Master Substation to the Kautz Road Substation. At the end of the day on November 4th, the only site electrical loads that will remain as powered through the Master Substation are CHL, CMTF, Training Center, Labs A&B and most of Neutrino; the rest of the site will be powered through Kautz Road Substation. The aforementioned buildings will remain on MSS, as they will be powered through the Village back feed transformer during the year-long substation replacement project and that transformer is currently out of service, as it is being prepared for increased reliability during the project duration.

The timeline below for the "rolling" outages outlines the expected outage times, keep in mind that this is a plan and there may be some slippage in the estimated times for each outage outage. The FESS High Voltage personnel will be in close contact with the Main Control Room during this switching process. All questions regarding the outage/switching process on November 4th should be directed to the Main Control Room.

Estimated rolling schedule to put loads on Kautz Road SubStation (KRSS)		
Areas Impacted	**Outage start time (Nov. 3rd)**	**Power should be restored by**
Main Ring, Cryo, F0RF (Feeder 45, 46B, 48), MR service buildings.	13:00	13:15
Areas Impacted	**Outage start time (Nov. 4th)**	**Power should be restored by**
Central Utility Building *, Wilson Hall, Minos, LArTF, Science & Education Building, MinBooNE	7:00	7:15
CDF and D0	7:30	7:40
Industrial Building Area	8:15	8:30
Feynman Computing Center	8:45	8:46
Transfer gallery, Linac, Feynman Computing Center 2&3	9:30	9:45
Booster	10:15	10:25
FDR36 and 37 (all Proton and SeaQuest)	11:00	11:15
Grid Computing Center	13:00	13:01
Site 38, 39, 29, area.	13:30	13:35
All Meson area (including MW9, MP9, MCC, etc)	14:00	14:15
NS2, NS4, Casey's pond	14:30	14:40
MC1, Muon Campus and Pbar	15:00	15:15
Note: Central Helium Liquefier, Cryo Module Training Facility (CMTF), Training Center, Lab A & B, and most of Neutrino won't see any power outages during this test.		

*Cooling and heat to areas will need to be turned off prior to the outage. Some auxiliary cooling may be necessary

The project to replace this substation will require a one-year Master Substation (MSS) outage starting in Summer 2015. Throughout that time, all site electrical loads will be fed from the Kautz Road substation (KRSS) and the Village back feed transformer. While this electrical configuration has been successfully modeled using power distribution software, it does not account for power quality issues that may result from the pulsed power effects at KRSS.

Finally, when the experiments and science are "back into production" after the November 4th switching process, we need your help in identifying systems and equipment that perhaps because of power quality issues, do not behave or work as they did before this switchover to KRS. It is our hope that remedies can be found and implemented before the one year outage starting next summer.