Placing Equipment in the Electrically Safe State

To place a piece of equipment into the electrically safe work condition (or Mode 0), the following actions must be completed in the order listed below:

         Create or identify a work planning and control document to be referenced for the work to be done (this can be a procedure, technical note, or WCD).

         A designated Qualified Electrical Worker must be assigned to perform the work. See the list of PSC Qualified Electrical Workers here (<https://www1.aps.anl.gov/files/download/APS/PSC-QEWs.pdf>)

         If work requires the de-energization of a line cord-connected device only, Mode 0 can be achieved by shutting down the device, powering it off, and removing the line cord from the power source. Control of the line cord must be maintained by the worker (either by removing the cord completely or placing a lockout box on the cord’s plug) so that the device cannot be powered while work is being done.

* If the work requires the de-energization of multiple sources or the circuit is powered by something other than a single line cord, the Mode 1 Electrical Work Job Briefing (ANL-1202) (<https://www1.aps.anl.gov/files/download/APS/ANL-1202.docx>) form must be completed, reviewed, and approved before work can begin.

         An independent Qualified Electrical Worker Observer must be present for all Mode 1 work requiring the use of the ANL-1202 form. Once the device/circuit is in a Mode 0 state, the observer may leave. See the list of Qualified Electrical Worker Observers here (<https://www1.aps.anl.gov/files/download/APS/Electrical%20_Observers.pdf>).

         Complete a PSC Pre-Job Briefing Form found here (<http://www.aps.anl.gov/APS_Engineering_Support_Division/Mechanical_Operations_and_Maintenance/Internal/Safety/pre-job-briefing-form.php>).

* Conduct a pre-job briefing with all parties involved in the work (supervisor/designee, assigned workers, safety watch, and observer) and complete the ANL-1202 as required.

         Obtain Work Authorization from line management prior to starting work.

         Perform the work within the controls established.

         Perform a post-job briefing, finalize the ANL-1202 as required, and record the outcome into the APS/Group Pre-job Briefing Log database found here (<http://www.aps.anl.gov/APS_Engineering_Support_Division/Mechanical_Operations_and_Maintenance/Internal/Safety/search.php>).

Additional information is available on the APS Electrical Safety Web Page (<https://www1.aps.anl.gov/Safety-and-Training/Safety/Electrical-Safety>) or from your ES&H Coordinator or Floor Coordinator.