October 23, 2003

Procedure to obtain Construction Power

This document is to outline the requirements to obtain construction power from University of Alberta Electrical Utilities.

The following forms must be completed.

1. Application for Meter and/or Service Connection. This form is located on the University of Alberta web site. The contractor is to submit the completed form to Rick Barbazuk.
2. A Permit for Electrical Work must be obtained through the University of Alberta. The Inspections Group will issue the permit on University of Alberta forms and perform the inspection. A copy of the permit and the inspection report are to be submitted to Electrical Utilities prior to energization of construction power.

The following materials and work needs to be performed prior to energization.

1. All forms and permits must be completed as outlined above.
2. The contractor is to supply all equipment required for the service including but not limited to cables, switches, meters, breakers, cts and vts, fuses, ground grid, connectors and miscellaneous hardware to provide a complete system to meet the Canadian Electrical Code Part 1 and/or Alberta Electrical and Communication Utility Code 2nd Edition 2002.
3. The contractor is to install all the equipment and terminate all the cables except when 13.8KV cables are used, the U of A will terminate all 13.8KV cables.
4. The contractor shall not work on energized equipment this includes cable entry and equipment mounting into energized panel. **HOT WORK IS NOT PERMITTED.**

The following engineering package is required. Some of these items are voltage dependant and may not be required.

1. Single line drawing.
2. Ground Grid Design with Step and Touch voltage calculation.
3. Equipment layout and connection details.
4. Complete shop drawings showing ratings and sizes.
5. Coordination and Fault Level Study.
6. All drawings and calculations to be sealed by an Engineer registered in the Province of Alberta specializing in this type of work.

Utilities

420 General Services Bldg. · University of Alberta · Edmonton · Canada · T6G 2H1
Telephone: (780) 492-4021 · Fax: (780) 492-7582
The following work will be performed by Electrical Utilities.

1. Review of the Engineering Package.
2. Termination and connection of all medium voltage cables when used.
3. Commissioning of all medium voltage equipment.
4. Installation of the meter and wiring of the metering transformers to the meter when required.
5. U of A personnel to be present when final termination of a feeder into U of A Electrical Utility equipment.

All labor, materials and services supplied by Electrical Utilities as required for construction power will be billable to the project/contractor.

Electrical Utilities will meet and assist the contractor in the completing the above tasks as we want the Construction Power process to be as smooth as possible.