

THE UNIVERSITY OF BRITISH COLUMBIA



UBC Energy & Water Services
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Requirements for Energization of Unit Substations at UBC

The following documentation is required prior to the energization of any unit substation at the University of British Columbia. Furthermore, all HV cabling must be completed & ready for the final connection to the University's power system. In conjunction with these requirements Service Shutdown & Service Connection Permit applications must be submitted & approved in advance as per the general contract documents.

Required Documentation or Conditions for Energizing Unit Substation:

1. Provide the Coordination Curves for the substation protection.
2. Provide a copy of Manufacturer's Shop Drawings for the unit substation and distribution, including all protection and secondary metering wiring.
3. Provide a copy of the approved FINAL PROVINCIAL ELECTRICAL INSPECTION CERTIFICATE for the substation.
4. Provide a copy of the COMMISSIONING REPORT for the Unit Substation.
5. Provide a copy of the test results for the GROUND RESISTANCE TEST MEASUREMENTS for the ground grid in the main electrical room (location of Unit substation).
6. Provide a copy of the Seismic Engineer's certificate of approval.
7. Provide a copy of the test results for the new HV CABLES & SPLICE KITS installed.
8. The unit substation & the entire main electrical room must be clean & clear of debris.
9. The entire unit substation must be completely closed with all the covers & doors bolted closed.
10. Provide the consulting electrical engineer's recommendation to energize the substation.
11. UBC Energy & Water Services may require, for reasons of worker safety, that all major sub-distribution feeder cables have been pulled and prepared for termination within the main distribution centre.

Prior to energization, all required documentation must be sent to UBC Energy & Water Services.

Indicates documentation received or conditions met