

August 10, 2016

**Regional District of North Okanagan Kal Lake Pump Station – Primary Service Unit Substation  
Equipment Installation – Addendum 2**

**Procurement Number 2015-E372.15.1**

**Extension to Submission Deadline**

The submission deadline for quotes has been extended to Tuesday, August 16, 2016 at 3:00pm, Pacific Time.

**Ground Fault Protection Addition to Secondary Main**

Eaton has informed me that the LSIG trip unit they had previously stated could be used to upgrade the existing main secondary breaker to include a ground fault trip will not work for this purpose, and that an integral ground fault trip cannot be added to an RD frame breaker (the existing breaker type).

Instead of the supply and installation of the trip unit listed in the original quote request, please provide pricing for the following two options:

1. Replace the existing main breaker with a new model that includes LSIG protection. The existing main breaker is Eaton model RD320T32W. The Eaton RG series of breakers match the existing breaker physically, so is expected to be able to fit into the space occupied by the existing breaker. Eaton model RGH320036E is a 2000A frame breaker with LSIG protection, and the trip unit includes adjustable rating plugs, so a trip rating plug is no longer required. This model is the standard of acceptance for the replacement main breaker. For the purposes of the quote, assume that the existing line side lugs can be re-used.
2. Provide an external ground fault relay, and shunt trip to the existing main breaker. The external ground fault relay should be adjustable, with a maximum trip setting of 1200A (to meet C.E.C. 14-102), and have a reset pushbutton. Eaton ground fault relay model GFR1200M is a ground fault relay that meets these criteria, so shall be the standard of acceptance (ie, the ground fault relay used in the quote for this option should be an equivalent item). For the purposes of the quote, assume that the ground fault relay can be installed in the main breaker compartment of the MCC, a CT will be required (there is an existing CT monitoring ground fault in the BC Hydro metering compartment, but it may not be compatible with the new ground fault relay), and that a shunt trip module will need to be added to the existing main breaker.