

Subject

400 Amp 120/240 Volt Metering Services

Effective December 11, 2009, Distribution Standards Equipment Advisory No. 2009-014 R0 is suspended until further notice.

Applicable Standards

Requirements for Secondary Voltage Revenue Metering (750 Volt and Less) – Please go to <http://www.bchydro.com/youraccount/content/forms.jsp> for the most current version.

Underground Electrical Distribution Standards – ES53 S1-01.02 to S1-01.06

Underground Civil Distribution Standards – ES54 S1.01.10

Notice of Changes to 400 Amp Metering Services

Effective December 11, 2009, BC Hydro is implementing a new policy regarding 400 Amp single-phase services.

This new policy affects mainly residential customers requesting a 400 Amp service. As is required for commercial customers with a 400 Amp three-phase service, customers requesting a 400 Amp single-phase service will require an isolation switch ahead of the meter base. The customer will no longer be able to use a self-contained 400 Amp with an integral current transformer (CT) meter base. For alternative options, please contact the local design office to discuss eligibility.

BC Hydro is making this change for several reasons. The isolation switch for the 400 Amp single-phase services is required to provide safe access for emergencies, maintenance items, meet WorkSafeBC requirements, standardize 400 Amp installations for residential and commercial customers, and to be able to disconnect only the customer connection upon which work is being done.

Effective December 11, 2009, the service equipment shall be installed in a service room for residential customers or in an electrical room for general service customers in a manner approved by the BC Safety Authority (B.C.S.A.), BC Building Code, and local authorities having jurisdiction. The service or electrical room must allow for unrestricted access by BC Hydro personnel.

Alternatives to an indoor service/electrical room are currently not available. BC Hydro is working towards providing options for the customer to use a self-contained 400 Amp meter base with an integral CT and with the isolating switch installed ahead of the meter base. Once this alternative is available, BC Hydro will issue an advisory.

For all 400 Amp metering services including single-phase services, please contact the BC Hydro designer to discuss options **before** the installation of the equipment (including civil infrastructure, weatherheads, etc.)

For more information on 400 Amp services, please go to our web site at:

Residential Connections:

https://www.bchydro.com/youraccount/content/residential_connections.jsp

Multi-Dwelling / Commercial Connections:

https://www.bchydro.com/youraccount/content/multi_dwelling.jsp

For further questions, please email 400AService@bchydro.com.

Issued by:	Revenue Metering Systems Management, Distribution Standards, Customer Projects and Applications
Issue Date:	Dec 9, 2009