Distribution Generator Interconnections Application Requirement Checklist 3 Shore Power CTT

We have prepared a checklist for Ship to Shore Power connected Closed Transition Transfer (CTT) of less than or equal to 90 s so that you can give us all the required information we need to assess your project. BC Hydro will begin work upon receipt of the deposit and an application that is deemed complete/valid.

The following items are required for applications for interconnection of a generator(s) in closed transition mode. Please submit all documents as clearly labelled pdfs.

☐ DEPOSIT $22,050 ($21,000 + GST)

You may pay deposit by cheque or Electronic Funds Transfer (EFT). Please mail your cheque to the address below or we cannot guarantee your payment will be received. If you wish to pay your deposit by EFT, please email us at **distribution.generators@bchydro.com** for more information.

Distribution Generator Interconnections (CTT)
BC Hydro
6911 Southpoint Drive, Podium BO3
Burnaby, BC V3N 4X8

☐ COMPLETED APPLICATION FORM

BC Hydro's Application for Interconnection, Power Generator(s) in Closed Transition Transfer Mode is available on **bchydro.com** (on the **Distribution Generator Interconnections** page). The form is to be signed and sealed by a Professional Engineer.

- The application form should include the Utility Interconnection Protection which must be located on the shore/port side
- The application form requires the potential maximum generation size (MVA) of any of the ships to be docked at the site. This may be either based on a single generator or the summation of multiple generators, whichever produces the largest amount of generation. See the amendment 2 document, 'CTT Shore Power', section 11.3.1, for more information.

☐ A NARRATIVE DESCRIPTION

Description of the CTT system operating modes (normal, auto, manual and/or test mode) including utility intertie protection, normal and maximum closed transition transfer times and to lesser level of detail, a description of the facility power scheme and generator(s) operation.

☐ FACILITY SITE PLAN(S)

Plan should show the location of service entrance and major electrical equipment (including incoming vaults, generators, switchgear, CTT switches).

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☐ **SIMPLIFIED OVERALL FACILITY ELECTRICAL POWER DISTRIBUTION ONE-LINE DIAGRAM**

Diagram should show the facility entrance protection with associated breaker(s), major power distribution equipment, all onsite generators, CTT switches, entrance transformer(s) complete with their winding connections, BC Hydro revenue metering, key interlock scheme(s), mechanical interlocks, entrance disconnect devices with assigned tag (aka identification) numbers, point of interconnection, voltage levels with equipment ratings, and clear demarcation between existing and newly proposed equipment/change.

☐ **PROTECTION & CONTROL ONE-LINE DIAGRAM, OR CONTROL SCHEMATIC, OR THREE-LINE DIAGRAM**

Diagram of the CTT transfer switch to show protective devices, protective function numbers and sensing points (CT/PT), number of phases, relay controlled associated devices, type of control signals (trip, permission, close), flow of control and communication signals.

☐ **TECHNICAL SPECIFICATION(S) OR DATA SHEETS**

If any Automatic Transfer Switches (ATSs) are used in the CTT, then please provide the manufacturer's technical specifications.