



Information Bulletin:

Full Release of Single-Phase Secondary 320 A 120/240 V Services with Self-Contained Metering

1.0 Items Covered

ES53 S1-01 R12 Secondary Services Single-Phase up to 600 A 120/240 V Wiring and Revenue Metering Connections

ES54 S1-02 R1 Secondary Single-Phase Services 320 A Self-Contained Meter Installation

This advisory and the standards listed above can be found at bchydro.com/distributionstandards.

2.0 Overview

BC Hydro has released a new 320 A 120/240 V service option for overhead and underground services. The 320 A service provides additional capacity using a self-contained revenue meter. 320 A services will be available in all service areas starting February 3, 2025.

Underground Services

In addition to general underground requirements, the following standards are specific to 320 A services:

- a. ES54 S1-02 R1 covers electrical service requirements for single-phase 120/240 V 320 A underground services; and
- b. ES53 S1-01 R12 Figure 5 shows the typical wiring diagram for 120/240 V 320 A services.

Overhead Services

Follow existing overhead service requirements on bchydro.com.

Acceptable Meter Bases

Only 320 A meter sockets manufactured by ABB and Hydel are acceptable for 320 A service connections.

Changes in ES54 S1-02 R1

Changes are described in the following table.

Page	Section	Changes
2	Figure 2	Added operating and access clearance.
4	Figure 4 Bottom View	Added reference to O/H model in the secondary revenue metering guide.
5	Note 3.b. Service Upgrade to 320 A	Revised note 3.b. to replace service duct upgrade information with reference to ES54 S0-04.

3.0 Supply Chain and Geographic Considerations

BC Hydro will expand the availability of 320 A services on February 3, 2025 to include all service areas.



Figure 1 – BC Hydro service areas

4.0 Action

Customers may apply for 320 A services starting February 3, 2025 in all service areas.

Customers and Customer Representatives

Customers and customer representatives, including electricians, project managers, consultants, and contractors, should familiarize themselves with the revised ES54 S1-02 R1, ES53 S1-01 R12, and *Requirements for Secondary Voltage Revenue Metering (750 V and less)*. Please direct any questions or concerns to your local BC Hydro representative.

BC Hydro Employees and Contractors

BC Hydro employees and contractors should familiarize themselves with the revised ES54 S1-02 R1, ES53 S1-01 R12, and *Requirements for Secondary Voltage Revenue Metering (750 V and less)*.

5.0 Contact

Customers and Customer Representatives

Please direct any questions or concerns to your local BC Hydro representative.

BC Hydro Employees and Contractors

Please direct any questions or concerns related to the standards to distribution.standards@bchydro.com.

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