



Information Bulletin:

Limited Release of Single-Phase Secondary 320A 120/240V 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 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. Due to supply chain challenges, 320 A services were released to the Southern Interior service area only. Starting June 3, 2024, 320 A services will also be available in the North and Vancouver Island service areas (see section 3.0).

Underground Services

In addition to existing underground requirements, two new standards have been released specific to 320 A services:

- a. ES54 S1-02 is a new standard for connection of single-phase 120/240 V 320 A underground services; and
- b. ES53 S1-01 R12 is a copy of the recently issued revision 11 but with the watermark removed from the 320 A wiring schematics page.

Overhead Services

Follow existing overhead service requirements on bchydro.com.

Acceptable Meter Bases

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

3.0 Supply Chain and Geographic Considerations

BC Hydro will expand the availability of 320 A services on June 3, 2024, to include the North and Vancouver Island service areas in addition to the Southern Interior service area. Due to supply chain restrictions 320 A services are not available in the Lower Mainland service area. BC Hydro will review the initial rollout and supply chain situation and will expand the rollout to additional service areas when supply is available to meet the expected demand.



Figure 1 – BC Hydro service areas

4.0 Action

Customers may apply for 320 A services starting June 3, 2024 for the limited rollout in the North, Southern Interior, and Vancouver Island service areas as shown above.

Customers and Customer Representatives

Customers and customer representatives, including electricians, project managers, consultants, and contractors, should familiarize themselves with the new ES54 S1-02, the revised ES53 S1-01, and the revised *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 new ES54 S1-02, the revised ES53 S1-01, and the revised *Requirements for Secondary Voltage Revenue Metering (750 V and less)*.

5.0 Contact

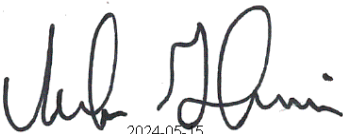
Customers and Customer Representatives

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.

6.0 Approval

Recommended		Reviewed		Approved	
 M. Kelvin		 M. Stevens		 H. Giesbrecht	
Date:	2024-05-17	Date:	2024-05-17	Date:	2024-05-17