

Note: changes on or after May 17, 2018 are not reflected in this regulation.  
See section 3 (3) and (4) of the *Building Act*.



BRITISH  
COLUMBIA

*Building Act*

SOLAR HOT WATER READY  
REGULATION  
**B.C. Reg. 101/2011**

Deposited June 7, 2011 and effective June 21, 2011  
Last amended February 28, 2017 by B.C. Reg. 52/2017

**Consolidated Regulations of British Columbia**

*This is an unofficial consolidation.*

B.C. Reg. 101/2011 (M145/2011), deposited June 7, 2011 and effective June 21, 2011, is made under the *Building Act*, S.B.C. 2015, c. 2, s. 3.

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This consolidation includes any amendments deposited and in force as of the currency date at the bottom of each page. See the end of this regulation for any amendments deposited but not in force as of the currency date. Any amendments deposited after the currency date are listed in the B.C. Regulations Bulletins. All amendments to this regulation are listed in the *Index of B.C. Regulations*. Regulations Bulletins and the Index are available online at [www.bclaws.ca](http://www.bclaws.ca).

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## *Building Act*

# **SOLAR HOT WATER READY REGULATION**

## **B.C. Reg. 101/2011**

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### **SCHEDULE**

#### **Definitions**

- 1** In this regulation, the terms in *italics* have the same meaning as in the 2012 British Columbia Building Code.

[am. B.C. Reg. 163/2013, App. s. 1.]

#### **Application**

- 2** This regulation applies to the local government jurisdictions set out in the Schedule.

[en. B.C. Reg. 163/2013, App. s. 2.]

#### **Solar collectors for a solar domestic hot water system**

- 3** (1) Subject to subsection (2), 2 conduit runs and an area that
  - (a) is not less than 9.3 square metres,
  - (b) has no dimension less than 2.7 metres, and
  - (c) is designated for future installation of solar collectors for a solar domestic hot water system in compliance with CAN/CSA-F383-87must be incorporated in construction of new *buildings of residential occupancy* that contain
  - (d) one *dwelling unit*, or
  - (e) one *dwelling unit* and one *secondary suite*.
- (2) Subsection (1) does not apply with respect to new construction referred to in that subsection if the local government of the jurisdiction to which this regulation applies and within which the new construction is to occur is satisfied that *building site conditions* do not permit effective use of solar hot water heating.

#### **Structural requirements**

- 4** (1) Except as permitted by subsection (2) of this section, structural members located in areas referred to in section 3 (1) must be designed to accommodate
  - (a) a uniform dead load of 0.24 kPa, in addition to design loads required by the British Columbia Building Code, and
  - (b) anticipated point loads where it is known that the solar collectors for a solar domestic hot water system will not be directly surface-mounted.

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- (2) Roof trusses located in areas referred to in section 3 (1) must be designed to accommodate the anticipated load, including
- (a) a uniform dead load of 0.24kPa, in addition to design loads required by the British Columbia Building Code, and
  - (b) point loads resulting from the uniform dead load referred to in paragraph (a).
- [en. B.C. Reg. 163/2013, App. s. 3.]

**Conduit runs**

- 5** (1) A minimum of 2 conduit runs must be provided that extend from the area directly adjacent to the *building's* primary *service water heater* to
- (a) an accessible attic space adjacent to the roof area designated for installation of solar collectors for a solar domestic hot water system,
  - (b) the roof area designated for installation of solar collectors for a solar domestic hot water system, or
  - (c) the exterior wall surface directly adjacent to the area designated for installation of solar collectors for a solar domestic hot water system.
- (2) Conduit runs described in subsection (1) must
- (a) be accessible at both ends,
  - (b) be capped or sealed at both ends to prevent water ingress and air leakage,
  - (c) be identified by markings that are permanent, distinct and easily recognized,
  - (d) have a minimum inside diameter of 50 mm, and
  - (e) be able to accommodate the installation of insulated plumbing services for a solar domestic hot water system in compliance with CAN/CSA-F383, Installation Code for Solar Domestic Hot Water Systems, as referred to in the British Columbia Building Code.
- [am. B.C. Reg. 163/2013, App. s. 4.]

**SCHEDULE**

[en. B.C. Reg. 163/2013, App. s. 5; am. B.C. Reg. 52/2017, s. (a).]

*(Section 2)*

<b>Local Government Jurisdictions</b>
Cariboo Regional District
City of Abbotsford
City of Campbell River
City of Chilliwack
City of Colwood
City of Cranbrook

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<b>Local Government Jurisdictions</b>
City of Dawson Creek
City of Duncan
City of Fernie
City of Fort St. John
City of Kelowna
City of Kimberley
City of Langley
City of New Westminster
City of North Vancouver
City of Penticton
City of Pitt Meadows
City of Port Coquitlam
City of Port Moody
City of Quesnel
City of Richmond
Corporation of Delta
Cowichan Valley Regional District
District of Coldstream
District of Elkford
District of Hudson's Hope
District of Invermere
District of Maple Ridge
District of Metchosin
District of North Vancouver
District of Peachland
District of Sechelt
District of Sparwood
District of Tofino
District of West Vancouver
Greater Vancouver Regional District
Municipality of North Cowichan
Resort Municipality of Whistler
Squamish-Lillooet Regional District
Sunshine Coast Regional District
Town of Qualicum Beach
Town of Sidney
Town of View Royal
Township of Esquimalt

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<b>Local Government Jurisdictions</b>
Township of Langley
Village of Ashcroft
Village of Kaslo
Village of Midway
Village of Valemount

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