

Attachment B

Comparison Version Showing Revised Proposed Amendments to the Distribution System Code relative to the June Proposed Amendments (for information purposes only)

Note: The text of the proposed amendments is set out in italics below, for ease of identification only.

1. Section 1.2 of the Distribution System Code is amended as follows:

- (a) by deleting the definition of “~~connection assets~~” and replacing it with the following:

~~“connection assets” means a portion of the distribution system that (a) is used to connect a customer to the main distribution system and (b) is not, at the time of construction, reasonably expected to connect any other customer to the main distribution system, and consists of the assets between the point of connection on a distributor’s main distribution system and the ownership demarcation point with that customer;~~

- (b) ~~by deleting the definition of “enhancement”~~ and replacing it with the following:

“enhancement” means a modification to the main distribution system that is made to improve system operating characteristics such as reliability or power quality or to relieve system capacity constraints resulting, for example, from general load growth, but does not include a renewable enabling improvement;

- (~~e~~b) by deleting the definition of “expansion” and replacing it with the following:

“expansion” means ~~an~~ a modification or addition to the main distribution system in response to ~~a request~~ one or more requests for one or more additional customer connections that otherwise could not be made, for example, by increasing the length of the main distribution system, but in respect of a renewable energy generation facility excludes a renewable enabling improvement, and includes the modifications or additions to the main distribution system identified in section 3.2.30;

and

(dc) by adding the following immediately after the definition of “Regulations”:

“renewable enabling improvement” means a modification or addition to the main distribution system identified in section 3.3.2 that is made to enable the main distribution system to accommodate generation from renewable energy generation facilities;

“renewable energy expansion cost cap” means, in relation to a renewable energy generation facility, the dollar amount determined by multiplying the total name-plate rated capacity of the renewable energy generation facility referred to in section 6.2.9(a) (in MW) by \$90,000, reduced where applicable in accordance with section 3.2.27A;

“renewable energy generation facility” has the meaning given to it in the Act;

“renewable energy source” has the meaning given to it in the Act;

2. Section 3.2 of the Distribution System Code is amended by adding the following immediately after section 3.2.5:

3.2.5A Notwithstanding section 3.2.5 but subject to section 3.2.5B, a distributor shall not charge a generator to construct an expansion to connect a renewable energy generation facility:

- (a) if the expansion is in a Board-approved plan filed with the Board by the distributor pursuant to the deemed condition of the distributor’s licence referred to in paragraph 2 of subsection 70(2.1) of the Act, or is otherwise approved or mandated by the Board; or*
- (b) in any other case, for any costs of the expansion that are at or below the renewable energy generation facility’s renewable energy expansion cost cap.*

For greater clarity, the distributor shall bear all costs of constructing an expansion referred to in (a) and, in the case of (b), shall bear all costs of constructing the expansion that are at or below the renewable energy generation facility’s renewable energy expansion cost cap.

3.2.5B Where an expansion is undertaken in response to a request for the connection of more than one renewable energy generation facility,

a distributor shall not charge any of the requesting generators to construct the expansion:

- (a) if the expansion is in a Board-approved plan filed with the Board by the distributor pursuant to the deemed condition of the distributor's licence referred to in paragraph 2 of subsection 70(2.1) of the Act, or is otherwise approved or mandated by the Board; or
- (b) in any other case, for any costs of the expansion that are at or below the amount that results from adding the total name-plate rated capacity of each renewable energy generation facility referred to in section 6.2.9(a) (in MW) and then multiplying that number by \$90,000.

For greater clarity, the distributor shall bear all costs of constructing an expansion referred to in (a) and, in the case of (b), shall bear all costs of constructing the expansion that are at or below the number that results from the calculation referred to in (b).

3.2.5C Where, in accordance with the calculation referred to in section 3.2.5B(b), a capital contribution is payable by the requesting generators, the distributor shall apportion the amount of the capital contribution among the requesting generators on a pro-rata basis based on the total name-plate rated capacity of the renewable energy generation facility referred to in section 6.2.9(a) (in MW).

3. Section 3.32 of the Distribution System Code is amended by adding the following immediately after section 3.3.12.27:

3.2.27A Notwithstanding section 3.2.27, when the unforecasted customer is a renewable energy generation facility to which section 3.2.5A or 3.2.5B applies and the customer entitled to a rebate under section 3.2.27 is a load customer or a generation customer to which neither section 3.2.5A nor 3.2.5B applies, the initial contributors shall be entitled to a rebate from the distributor in an amount determined in accordance with section 3.2.27. The distributor shall reduce the connecting renewable energy generation facility's renewable energy expansion cost cap by an amount equal to the rebate. If the amount of the rebate exceeds the connecting renewable generation facility's renewable energy expansion cost cap, the distributor shall also collect the difference from the connecting renewable energy generation customer.

3.2.27B Notwithstanding section 3.2.27, where the initial contributor was a renewable energy generation facility to which section 3.2.5A or

3.2.5B applies, the renewable energy generation customer shall not be entitled to any rebate from the distributor in the event of the connection of any unforecasted customer(s).

4. Section 3.2 of the Distribution System Code is amended by adding the following immediately after section 3.2.29:

3.2.30 In the case of a generator customer connecting a renewable energy generation facility, an expansion of the main distribution system includes:

- (a) building a new line to serve the renewable energy generation facility;
- (b) rebuilding a single-phase line to three-phase to serve the renewable energy generation facility;
- (c) rebuilding an existing line with a larger size conductor to serve the renewable energy generation facility;
- (d) rebuilding or overbuilding an existing line to provide an additional circuit to serve the renewable energy generation facility;
- (e) converting a lower voltage line to operate at higher voltage;
- (f) replacing a transformer to a larger MVA size;
- (g) upgrading a regulating station transformer to a larger MVA size; and
- (h) adding or upgrading capacitor banks to accommodate the connection of the renewable energy generation facility.

5. Section 3.3 of the Distribution System Code is amended by adding the following immediately after section 3.3.1:

3.3.2 *Renewable enabling improvements to the main distribution system to accommodate the connection of renewable energy generation facilities are the following:*

~~(a) — modifications or additions to allow for and accommodate 2-way electrical flows, as opposed to radial flow;~~

~~(b) —~~

- (a) modifications to, or the addition of, electrical protection equipment;
- (b) ~~(c)~~ modifications to, or the addition of, voltage regulating equipment; ~~and~~
- (c) ~~(d)~~ the provision of protection against islanding (transfer trip or equivalent);
- (d) bidirectional reclosers;
- (e) tap-changer controls or relays;
- (f) replacing breaker protection relays;
- (g) Supervisory Control and Data Acquisition system design, construction and connection;
- (h) any other modifications or additions to allow for and accommodate 2-way electrical flows or reverse flows; and
- (i) communication systems to facilitate the connection of renewable energy generation facilities.

3.3.3 ~~The~~Subject to section 3.3.4, the distributor shall bear the cost of constructing an enhancement or making a renewable enabling improvement, and therefore shall not charge:

- (a) a customer a capital contribution to construct an enhancement; or
- (b) a customer that is connecting a renewable energy generation facility a capital contribution to make a renewable enabling improvement.

3.3.4 Section 3.3.3(a) shall not apply to a distributor until the distributor's rates are set based on a cost of service application for the first time after this section comes into force.

6. Section B.1 of Appendix B of the Distribution System Code is amended by ~~deleting~~adding the following immediately after paragraph (d) under the heading "Capital Costs":

(d.1) paragraph (d) shall cease to apply to a distributor as of the date on which the distributor's rates are set based on a cost of service application for the first time after this paragraph comes into force.