

APPENDIX E

Contracts and Applications for Connecting Distributed Energy Resources and Electric Vehicle Chargers

Distributed Energy Resources

For information on connecting Distributed Energy Resources, please see Section 3.4.

This Conditions of Service discusses contracts for embedded distributed energy resources in conjunction with Appendix E of the Ontario Energy Board's Distribution System Code ("DSC").

Electric Vehicle Chargers for Commercial Connections

For detailed information on the process for Electric Vehicle Charging for Commercial Connections, please see the procedural document ECP0020 titled "*Electric Vehicle Charging for Commercial Connections*" found in the Commercial Design Specifications section of Hydro Ottawa's website at:

Home > Accounts & Services > Accounts > Contractors & Developers > Commercial Design Specifications.

As a general overview, the connection process is as follows, as per the Distribution System Code:

1. Connection Request

Connection requests available to Electric Vehicle Supply Equipment customers are available online, per the link above.

2. Basic Connection for Non-Residential Customers

As per DSC section 3.1.5, for non-residential customers other than micro-embedded generation facility customers, a distributor may define a basic connection by rate class and recover the cost of connection either as part of its revenue requirement or through a basic connection charge to the customer.

3. Offer to Connect: Estimate or Firm Offer

As per DSC section 3.2.8, if an expansion is needed for a distributor to connect with a customer, the distributor shall make an initial offer to connect with the customer and build the expansion. A distributor's initial offer shall include, at no cost to the customer: (a) a statement as to whether the offer is a firm offer or an estimate of the costs that would be revised in the future to reflect actual costs incurred.

4. Capital Contribution

As per DSC section 3.2.6, if a shortfall between the present value of the projected costs and revenues is calculated under section 3.2.1, the distributor may propose to collect all or a portion of that amount from the customer in the form of a capital contribution, by the distributor's documented policy on capital contributions by customer class.

5. Work Under the Alternative Bid Option

As per DSC section 3.2.15A, work that requires physical contact with the distributor's existing distribution system is not eligible for an alternative bid unless the distributor decides in any given case to allow such work to be eligible for an alternative bid.

6. Expansion Deposit

As per DSC Section 3.2.20, for expansions that require a capital contribution, a distributor shall require the customer to provide an expansion deposit for up to 100% of the present value of the forecasted revenues, as described in Appendix B. For expansions that do not require a capital contribution, a distributor may require the customer to provide an expansion deposit for up to 100% of the present value of the projected capital costs and ongoing maintenance costs of the expansion project.

7. Connection Agreement or Other Agreement

As per DSC section 6.1.3, a distributor may require a customer to enter into a Connection Agreement with the distributor if the distributor believes that the customer has characteristics that require an explicit document to describe the relationship between the distributor and the customer. The information suggested for the connection agreement with customers is listed in Appendix D of the DSC.

8. Applicable Service Conditions for Connecting New Service

As per DSC Section 7.2.1, a connection for a new service request for a low voltage (<750 volts) service must be completed within five business days from the day on which all applicable service conditions are satisfied or at such later date as agreed to by the customer and distributor.

As per DSC Section 7.2.2, a connection for a new service request for a high voltage (>750 volts) service must be completed within ten business days from the day on which all applicable service conditions are satisfied or at such later date as agreed to by the customer and distributor.