

ATTACHMENT Q-1**Dynamic Scheduling**

This attachment contains the eligibility requirements and the terms and conditions for the provision of dynamic scheduling to Transmission Customers.

1. Definitions

- (a) “Dynamic Schedule” means a time-varying energy transfer that is updated in real-time and is used included in the scheduled net Interchange term in the same manner as an Interchange schedule in the affected Balancing Authorities’ area control error equations (or alternate control processes).
- (b) “eTag” means an electronic documentation of an energy transaction on an electronic tagging system, as required by BC Hydro for the scheduling of energy transactions.
- (c) “Interchange” means energy transfers that cross Balancing Authority boundaries.
- (d) “Interchange Transaction” means an agreement to transfer energy from a seller to a buyer that crosses one or more Balancing Authority Area boundaries.
- (e) “Intermediate Balancing Authority Area” means a Balancing Authority on the scheduling path of an Interchange Transaction other than the Sending Balancing Authority and Receiving Balancing Authority.
- (f) “Receiving Balancing Authority Area” means the Balancing Authority importing the Interchange.
- (g) “Sending Balancing Authority Area” means the Balancing Authority Area exporting the Interchange.

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- (h) “WECC” means the Western Electricity Coordinating Council, or any successor organization.

2. Availability and Limitations

- (a) Dynamic scheduling is only available:
- (i) while Dynamic Schedules are technically feasible and consistent with all applicable reliability standards adopted by the Commission and WECC criteria and policies;
 - (ii) while the Transmission Provider has the necessary arrangements in place with any Sending, Receiving, or Intermediate Balancing Authority Areas, as required, for the delivery, receipt, and facilitation of Dynamic Schedules, as applicable.
 - (iii) while the Transmission Provider and any Sending, Receiving, or Intermediate Balancing Authority Areas, as required, have the necessary systems in place for the delivery, receipt, and facilitation of Dynamic Schedules, as applicable.
- (b) Dynamic scheduling will be limited, reduced or suspended as a result of constraints, including, but not limited to: an emergency or other condition that threatens to impair or degrade the reliability of the Transmission System; resource constraints declared by the resource owner; insufficient Transmission Service over the Transmission System is procured for Dynamic Schedules; and any constraints imposed by the Sending Balancing Authority Area, Receiving Balancing Authority Area or any Intermediate Balancing Authority Areas on the scheduling path.
- (c) Dynamic Schedules will be limited by the Transmission Provider’s cut-off times, and by the Transmission Provider’s reasonable assessment of its capabilities to process Dynamic Schedules. Dynamic Schedules will be processed on a first-

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come, first-received basis, up to the limit of the number of Dynamic Schedules that may be concurrently delivered and the total volume of energy that may be delivered through Dynamic Schedules.

3. Eligibility Requirements

To be eligible to use transmission for dynamic schedules, a Transmission Customer must satisfy the following eligibility requirements.

- (a) The Transmission Customer must satisfy the requirements and standards of the Transmission Provider with respect to dynamic scheduling from the Transmission Provider's Balancing Authority Area, as those requirements and standards are described in this Attachment Q-1 and the Transmission Provider's business practices.
- (b) If the Transmission Provider's Balancing Authority Area is the Sending Balancing Authority Area, the Transmission Customer must satisfy the requirements of the Receiving Balancing Authority Area with respect to the delivery of energy through a Dynamic Schedule into the Receiving Balancing Authority Area.
- (c) If the Transmission Provider's Balancing Authority Area is the Receiving Balancing Authority Area, the Transmission Customer must satisfy the requirements of the Sending Balancing Authority Area with respect to the delivery of energy through a Dynamic Schedule from the Sending Balancing Authority Area.
- (d) The Transmission Customer must satisfy the requirements of Intermediate Balancing Authority Area(s) with respect to Dynamic Schedules and the arrangement of appropriate transmission services through the Intermediate Balancing Authority Area(s).

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- (e) The Transmission Customer shall be responsible for all costs related to its own systems and equipment required to dynamically schedule, such as communications equipment, communication circuits and facility upgrades.
- (f) The Transmission Customer must ensure sufficient resources are available that are: of the appropriate type; ready to be delivered in the scheduled period; electrically located within the Sending Balancing Authority Area; and responsive to control signals issued by the Sending Balancing Authority.
- (g) The Transmission Customer must have an executed Service Agreement with the Transmission Provider under the Tariff.
- (h) The Transmission Customer must comply with applicable reliability standards adopted by the Commission and WECC criteria and policies.

If, at any time, a Transmission Customer fails to meet any of the eligibility requirements in this section, the Transmission Provider may immediately suspend the Transmission Customer's eligibility for dynamic scheduling.

4. Approval and Use of Dynamic Scheduling

Eligible Transmission Customers may not submit Dynamic Schedules prior to approval by the Transmission Provider. Eligible Transmission Customers may submit a request to the Transmission Provider for approval of dynamic scheduling. The Transmission Provider will approve such a request based on its reasonable assessment of the availability and limitations of dynamic scheduling between and through specific Balancing Authority Areas as may be required to accommodate the request. The Transmission Provider will make reasonable efforts to enter into the necessary arrangements with other Balancing Authority Areas to accommodate requests for dynamic scheduling.

Once a request for dynamic scheduling is approved by the Transmission Provider, the Eligible Customer may submit Dynamic Schedules for Point-To-Point Transmission

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Service or Network Integration Transmission Service by submitting eTags to the Transmission Provider following the procedures set out in the Transmission Provider's business practices.

5. Official Dispatch Signal

The Sending and Receiving Balancing Authority Areas will coordinate and respond to the official dispatch signal for any dynamically scheduled resources.

6. Dispatch Instruction Data

The Transmission Customer is responsible for resolving with the Receiving Balancing Authority Area any discrepancy in data between the Receiving Balancing Authority Area's dispatch instruction data and the Transmission Customer's eTag. The Transmission Customer is responsible for ensuring the accuracy and resolving any discrepancies in eTag information related to the Intermediate Balancing Authority Area.

7. Losses

Any transmission losses attributed to the Dynamic Schedule on transmission systems external to the Transmission System will be the responsibility of the Transmission Customer.

8. Settlement Data Discrepancy

The Transmission Customer is responsible for resolving, with the Receiving Balancing Authority Area and/or the Sending Balancing Authority Area, as applicable, any discrepancy with the integrated energy value used by the Transmission Provider for settlement purposes.

9. Sharing of Information

The Transmission Provider may share with the Sending Balancing Authority Area, Receiving Balancing Authority Area, Intermediate Balancing Authority Areas, reliability

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coordinators and relevant market operators, whatever operational information directly related to dynamic scheduling is necessary or desirable to facilitate dynamic scheduling. The foregoing information shall include such information that may be required by applicable tariff provisions and business practices and standards of any of the Sending Balancing Authority Area, Receiving Balancing Authority Area, Intermediate Balancing Authority Areas, and the Transmission Provider, and shall also include such information that may be required by each of the Sending Balancing Authority Area, Receiving Balancing Authority Area, Intermediate Balancing Authority Areas and the Transmission Provider to curtail dynamic schedules in accordance with its Tariff, business practices, standards and applicable service agreements.

10. Charges for Dynamic Scheduling

- (a) Dynamic Scheduling using Network Integration Transmission Service is charged in accordance with Part III and Rate Schedule 00 of the Tariff.
- (b) Dynamic Scheduling using Point-To-Point Transmission Service is charged in accordance with Part II and Rate Schedule 01 of the Tariff.
- (c) Charges for Ancillary Services will be applied in accordance with Rate Schedules 03 through 09 of the Tariff, as applicable.

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