

Table 1: Concordance Table - Dynamic Scheduling Amendments (Attachment Q-1)

| Approved Attachment Q-1 Section    | Proposed Attachment Q-1 Section | Amendment Proposed                                                                                                                                                                                                                                                             | Comment of Substantive Amendment Proposed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General                            | General                         | Implementation of a dynamic scheduling framework where both imports and exports can be dynamically scheduled using any transmission reservation priority.                                                                                                                      | <p>When the Dynamic Scheduling was first approved by the Commission in 2005, dynamic scheduling was relatively new in the industry. Since that time, the use of dynamic scheduling has grown and the markets that support them have changed. As a result of the market and industry changes, BC Hydro is proposing to amend its Tariff to give Transmission Customers flexibility for dynamic scheduling similar to other Transmission Providers in the Western Electricity Coordinating Council (<b>WECC</b>). BC Hydro's proposed amendments will allow Transmission Customers to dynamic schedule on imports and exports using any transmission service under the Tariff, including Firm and Non-Firm Point-To-Point Transmission Service and Network Integration Transmission Service, which includes Network Economy Service.</p> <p>BC Hydro is also simplifying Attachment Q-1 by removing technical details that are not customarily addressed in the <a href="#">OATT</a> itself. Technical details that explain how dynamic scheduling is implemented are more appropriately provided in its business practices or operating orders.</p> |
| <b>Section 1</b>                   | <b>Section 1</b>                |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1. Definitions                     | 1. Definitions                  | The Definitions have been updated to reflect relevant terms used in dynamic scheduling industry practice, which align with definitions included in the North American Electric Reliability Corporation ( <b>NERC</b> ) <a href="#">Glossary of Terms</a> dated August 1, 2017. | <p>Some sections of Attachment Q-1 are proposed to be removed as they are technical details more appropriately located in business practices or operating orders. As a result, BC Hydro is proposing to remove a number of defined terms that are no longer required in the Tariff.</p> <p>Since the time the original Dynamic Scheduling attachment was drafted and approved, accepted industry definition of terms have changed. Generally, industry-accepted definitions are reflected in NERC's <a href="#">Glossary of Terms</a>. To the extent possible, BC Hydro is proposing to revise definitions in Attachment Q-1 to be consistent with industry practice.</p> <p>Non-substantive housekeeping amendments have also been made to alphabetize the definitions.</p>                                                                                                                                                                                                                                                                                                                                                                       |
| 1.(a) Automatic Generation Control |                                 | Deleted                                                                                                                                                                                                                                                                        | The definition is not required as Tariff language using this term was only used in the definition of "Dynamic Schedule". The proposed definition of "Dynamic Schedule" no longer refers to Automatic Generation Control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Approved Attachment Q-1 Section                                                                                                 | Proposed Attachment Q-1 Section             | Amendment Proposed                                                                                            | Comment of Substantive Amendment Proposed                                                                                                                                                                                                                                                                     |
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| 1.(b) Dynamic Scheduling Business Practice                                                                                      |                                             | Deleted                                                                                                       | BC Hydro no longer has a single business practice for dynamic scheduling. This became redundant when Attachment Q-1 was incorporated into the OATT and has since been discontinued. Business practices related to dynamic scheduling are now addressed in various BC Hydro business practices as appropriate. |
| 1.(c) Dynamic Schedule                                                                                                          | 1.(a) Dynamic Schedule                      | Updated                                                                                                       | The definition has been amended to align with the definition included in the NERC Glossary of Terms.                                                                                                                                                                                                          |
|                                                                                                                                 | 1.(b) eTag                                  | New                                                                                                           | New definition aligns with BC Hydro business practices                                                                                                                                                                                                                                                        |
|                                                                                                                                 | 1.(c) Interchange                           | New                                                                                                           | New definition aligns with the definition included in the NERC Glossary of Terms.                                                                                                                                                                                                                             |
|                                                                                                                                 | 1.(d) Interchange Transaction               | New                                                                                                           | New definition aligns with the definition included in the NERC Glossary of Terms.                                                                                                                                                                                                                             |
| 1.(d) Dynamic Scheduling Energy                                                                                                 |                                             | Deleted                                                                                                       | The definition is not required as Tariff language is proposed to be simplified.                                                                                                                                                                                                                               |
| 1.(e) Dynamic Scheduling Transmission                                                                                           |                                             | Deleted                                                                                                       | The definition is not required as Tariff language is proposed to be simplified.                                                                                                                                                                                                                               |
| 1.(f) "EMS" or Energy Management System                                                                                         |                                             | Deleted                                                                                                       | The definition is no longer required. The term "EMS" only occurred in Section 3(e). To simplify the Tariff language, the reference to EMS in 3(e) was removed as it was not necessary to specify in the Tariff the technical system by which the Transmission Provider issues control signals.                |
| 1.(g) Intermediary Balancing Authority Area                                                                                     | 1.(e) Intermediate Balancing Authority Area | Updated                                                                                                       | The term and its definition have been updated to align with the definitions included in the NERC Glossary of Terms, with inconsequential adjustments (using Sending and Receiving, instead of Source and Sink).                                                                                               |
| 1.(i) Receiving Balancing Authority Area                                                                                        | 1.(f) Receiving Balancing Authority Area    | Updated                                                                                                       | The definition has been amended to align with the definition included in the NERC Glossary of Terms.                                                                                                                                                                                                          |
| 1.(j) Host Balancing Authority Area                                                                                             | 1.(g) Sending Balancing Authority Area      | Updated                                                                                                       | The term and its definition have been amended to align with the definitions included in the NERC Glossary of Terms.                                                                                                                                                                                           |
| 1.(k) SCADA                                                                                                                     |                                             | Deleted                                                                                                       | The term is not used in Attachment Q-1 and is therefore not needed.                                                                                                                                                                                                                                           |
| 1.(l) WECC                                                                                                                      | 1.(h) WECC                                  | Renumbered                                                                                                    | No amendment                                                                                                                                                                                                                                                                                                  |
| <b>Section 2</b>                                                                                                                | <b>Section 2</b>                            |                                                                                                               |                                                                                                                                                                                                                                                                                                               |
| <b>2. Availability of Dynamic Scheduling Transmission; 8. Limitations; and 12. Suspension or Reduction in Dynamic Schedules</b> | <b>2. Availability and Limitations</b>      | Amendments to simplify and combine related aspects of the availability and limitations of dynamic scheduling. | This section combines and simplifies the provisions of section 2 (Availability); section 8 (Limitations) and section 12 (Suspension or Reduction in Dynamic Schedules).                                                                                                                                       |
| 2.(a)                                                                                                                           | 2.(a)(i)                                    | Renumbered                                                                                                    | No substantive amendment.                                                                                                                                                                                                                                                                                     |

| Approved Attachment Q-1 Section                  | Proposed Attachment Q-1 Section    | Amendment Proposed                                                                              | Comment of Substantive Amendment Proposed                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|                                                  | 2.(a)(ii)                          | Partially new subsection                                                                        | This subsection provides that dynamic scheduling will only be available if all arrangements necessary to facilitate dynamic schedules are in place with other Balancing Authority Areas (“BAAs”).                                                                                                                                                                                                                                                                                                      |
| 2.(b) and (c)                                    | 2.(a)(ii)                          | Simplified and Expanded to Cover Situations where BC Hydro may be Receiving or Intermediate BAA | The existing requirements for dynamic scheduling when BC Hydro is Host BAA or Intermediary BAA are incorporated into a generic description in proposed 2.(a)(ii), which is applicable whether BC Hydro is the Sending, Receiving or Intermediate BAA.                                                                                                                                                                                                                                                  |
|                                                  | 2.(a)(iii)                         | New                                                                                             | This section clarifies that BAAs need to have the required systems in place to dynamically schedule .                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7(a) and (b)                                     | 2.(b)                              | Technical detail of dispatching removed. Description of limitations restated.                   | Technical description of dispatch in original section 7(a) is removed, as this level of detail is more appropriate in a business practice or operating order.<br><br>Proposed section 2(b) incorporates description of conditions that may limit Transmission Provider’s ability to accommodate dynamic scheduling on transmission capacity reservations. Proposed section 2(b) also describes conditions on which Dynamic Schedules may be suspended or reduced, as indicated in existing section 12. |
| 8. Limitations                                   | 2.(c)                              | Moved.                                                                                          | No substantive amendment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 12. Suspension or Reduction in Dynamic Schedules |                                    | Combined into Proposed 2.(b)                                                                    | See proposed 2.(b) above.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Section 3</b>                                 | <b>Section 3</b>                   |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>3. Eligibility Requirements</b>               | <b>3. Eligibility Requirements</b> | General update to reflect Tariff requirements of a comprehensive dynamic scheduling framework.  | Amendments to reflect that BC Hydro may now be the receiving BAA. Other amendments to this section are largely of a non-substantive housekeeping nature.                                                                                                                                                                                                                                                                                                                                               |
| 3.(c)                                            | 3.(a)                              | Renumbered                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3.(a)                                            | 3.(b)                              | Renumbered/Housekeeping amendments                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                  | 3.(c)                              | New                                                                                             | Sets out the eligibility requirements where BC Hydro is the Receiving Balancing Authority Area.                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3.(b)                                            | 3.(d)                              | Renumbered/Housekeeping amendments                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3.(d) , (d) and (g)                              | 3.(e), (f) and (h)                 | Renumbered/Housekeeping amendments                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3(f)                                             | 3(g)                               | Dynamic scheduling no longer limited to firm transmission                                       | Proposed 3(g) requires a Transmission Customer to have a signed Transmission Service Agreement with BC Hydro.                                                                                                                                                                                                                                                                                                                                                                                          |
| 3.(h)                                            | Concluding paragraph               | No amendment                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Approved Attachment Q-1 Section                                                              | Proposed Attachment Q-1 Section                  | Amendment Proposed                                                             | Comment of Substantive Amendment Proposed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Section 4</b>                                                                             | <b>Section 4</b>                                 |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>4. Relationship Between Dynamic Scheduling Transmission and Dynamic Scheduling Energy</b> | <b>4. Approval and Use of Dynamic Scheduling</b> | Content of section deleted or revised                                          | Current sentence on reserving dynamic schedules has been incorporated into BC Hydro's Business Practices. Current sentence on procedures for dynamic scheduling has been reworded in new section 4, Dynamic Scheduling.<br><br>Proposed section 4 clarifies that dynamic scheduling is subject to approval of the Transmission Provider's assessment of the availability and limitations on dynamic scheduling. Once approved, transmission customers may dynamically schedule using eTags in accordance with BC Hydro's business practices. |
| <b>Section 5</b>                                                                             | -                                                |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>5. Resale and Reassignment of Unused Dynamic Scheduling Transmission</b>                  |                                                  | Deleted                                                                        | This section has been removed, as resale or reassignment rights are addressed in the OATT.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Section 6</b>                                                                             | <b>Section 5</b>                                 |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>6. Official Dispatch Signal</b>                                                           | <b>5. Official Dispatch Signal</b>               | General update to reflect BC Hydro may be either the Sending or Receiving BAA. | Expands the approved Attachment Q-1 provision to set the requirement that both Sending and Receiving BAAs have a responsibility to coordinate and respond to dispatches of resources.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Section 7</b>                                                                             | <b>Section 6</b>                                 |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>7. Dispatch Instruction Data</b>                                                          | <b>6. Dispatch Instruction Data</b>              |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 7.(a) and (b)                                                                                |                                                  | Deleted or moved                                                               | Dispatch instruction data requirements when BC Hydro is Sending Balancing Authority Area deleted as more appropriate in business practice or operating order.<br><br>Constraints on dynamic scheduling moved to proposed section 2.(b)(i). See above.                                                                                                                                                                                                                                                                                        |
| 7.(c)                                                                                        | 6.                                               | Renumbered/Housekeeping amendments                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Section 8</b>                                                                             | -                                                |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>8. Limitations</b>                                                                        |                                                  | Moved to 2(c)                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Section 9</b>                                                                             | <b>Section 7</b>                                 |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>9. Losses</b>                                                                             | <b>7. Losses</b>                                 | Renumbered/Housekeeping amendments                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Section 10</b>                                                                            | <b>Section 8</b>                                 |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>10. Settlement Data Discrepancy</b>                                                       | <b>8. Settlement Data Discrepancy</b>            | Renumbered/Housekeeping amendments                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Approved Attachment Q-1 Section                                           | Proposed Attachment Q-1 Section                        | Amendment Proposed                                                                                                                                    | Comment of Substantive Amendment Proposed                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Section 11</b>                                                         | -                                                      |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>11. Failure of Dynamic Transfer Signal or Official Dispatch Signal</b> |                                                        | Deleted                                                                                                                                               | Section deleted as more appropriate in an operating order or business practice.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Section 12</b>                                                         | -                                                      |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>12. Suspension or Reduction in Dynamic Schedules</b>                   |                                                        | Content moved to section 2(b)                                                                                                                         | See proposed 2(b) above.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Section 13</b>                                                         | <b>Section 9</b>                                       |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>13. Sharing of Information</b>                                         | <b>9. Sharing of Information</b>                       | Renumbered/Housekeeping amendments                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Section 14</b>                                                         | <b>Section 10</b>                                      |                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>14. Charges for Dynamic Scheduling (DS) Service</b>                    | <b>10. Charges for Dynamic Scheduling (DS) Service</b> | General update to reflect dynamic scheduling of imports and exports on any available transmission service.                                            | In the approved Attachment Q-1, only exports may be dynamically scheduled and only Firm Point-To-Point Transmission Service reservations can be utilized for these schedules. This section has been updated to reflect that dynamic scheduling will be possible for both imports and exports on any transmission reservation, including Firm Point-To-Point, Non-Firm Point-To-Point and Network Integration Transmission Service. |
|                                                                           | 10.(a)                                                 | New                                                                                                                                                   | This section provides the applicable Tariff references when imports are dynamically scheduled using Network Integration Transmission Service.                                                                                                                                                                                                                                                                                      |
| 14.(a) and 14.(b)                                                         | 10.(b)                                                 | This section combines Short Term Firm and Long Term Firm provisions from the approved Attachment Q-1 and adds Non-Firm.                               | This section provides the applicable Tariff Rate Schedule when imports are dynamically scheduled using Point-To-Point Transmission Service.                                                                                                                                                                                                                                                                                        |
| 14.(c)                                                                    | 10.(c)                                                 | This section has been expanded to consider all Ancillary Services instead of just Scheduling, System Control and Dispatch per approved Attachment Q-1 | This section provides the applicable Tariff Rate Schedules for ancillary services, all of which are applicable to transmission reservations that can be used for dynamic scheduling.                                                                                                                                                                                                                                               |