Real Power Loss Return

BPA Transmission Business Practice

Version 15

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This Business Practice defines the process and guidelines for Transmission Customers that must return Real Power Losses to the Bonneville Power Administration (BPA) Power Services.

OATT Policy Reference

- Section 15.7; 28.5; Schedule 9

For more information, visit the BPA Transmission Business Practices page or submit questions to techforum@bpa.gov.

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A. General Criteria

1. All Point-to-Point (PTP), Network Integration (NT), and Formula Power Transmission (FPT) Customers are required to return Real Power Losses using firm transmission on the Network segment of the Federal Columbia River Transmission System (Network), with the following exceptions:
    a. If a Transmission Customer purchases the same firm or nonfirm product on the Network to or from John Day and then over the Malin 230/Hilltop 345 path, BPA Transmission Services will charge a single Network use of the Network paths.
    b. Transmission Customers who are Power Services' Regional Dialogue contract holders who have elected the Load-Following product will have transmission losses included for the customer's Net Requirement power purchase from BPA.
    c. Slice/Block Customers: Transmission Customers who are Power Services' Regional Dialogue contract holders who have elected the Slice/Block product will have transmission losses included for the Block portion of the Slice/Block product.
        i. The Transmission Customer must return Real Power Losses associated with the non-Federal portion of their power delivery, and for delivery of the Slice portion of their Slice/Block product.
        ii. The Transmission Customer must notify BPA Transmission Services of its Real Power Loss Return type (In-Kind, Financial, or Slice Output) for the non-Federal portion of its power deliveries.

d. Transmission Customers are not required to return losses for energy delivered under a Power Services' Block Contract that includes losses or the Block portion of a Slice/Block power contract.

e. Transmission Customers with resources that are delivered to the Customer's load without using the BPA transmission system will not be required to return losses. An example is a generator behind the meter where all the output is used to serve load on the customer's side of the meter.

f. Montana Intertie: Transmission Customers have responsibility to the control area operator of the Montana Intertie for all real power losses incurred across the Montana Intertie and shall be responsible for making arrangements with the control area operator for the return of such losses. BPA is neither the BA operator nor the loss provider for the Montana Intertie.

g. Transmission Customers will not be assessed losses for the following uses of the BPA transmission system:

    i. Self Supply or Third Party Supply of Operating Reserves

    ii. Self Supply or Third Party Supply of Balancing Reserves

    iii. Schedules utilized for Bilateral Redispatch for Congestion Management

h. Transmission Customers will not be assessed losses for loss return e-tags referencing a loss return Product Suffix Code.

2. A new Transmission Customer must designate a Real Power Loss Return type (In-Kind, Financial or Slice Output) for returning Real Power Losses by submitting a Notification of Real Power Loss Return Type form to its Transmission Account Executive. The form must be submitted with the Customer application package.

3. Customers who are not planning on scheduling at the time of submitting the Notification of Real Power Loss Return Type form must provide an estimated start date for scheduling on the form. Customer must update the Loss Return Type form 60 days prior to commencing scheduling activity.

4. A Transmission Customer may change its Real Power Loss Return Type no more than four times in a FY and must provide 60-day notice. To change Real Power Loss Return Type, complete all applicable items on the Notification of Real Power Loss Return Type form and email to: RPLPForm@bpa.gov.

5. Customers must submit an updated Notification of Real Power Loss Return Type form and provide a copy of their loss provider contract when there are any changes to the return type or Loss Provider information on the form 60 days prior to the change.

6. A third-party loss provider which is a BPA Power Services' Regional Dialogue Slice/Block customer may supply losses from Slice Output or losses may be returned In-Kind by using e-Tags.

7. BPA Transmission Services will refuse all requests for service from Transmission Customers that have not submitted a properly completed Notification of Real Power Loss Return Type form designating a Real Power Loss Return Type (In-Kind, Financial or Slice Output) including required loss provider contract information.

8. In-Kind Real Power Loss Returns must be from a Transmission Customer designated control area, a system, or a generator interconnected with the Network segment.

   a. If a generator is down for any reason, the Transmission Customer must continue to deliver energy either by scheduling an alternative source back through that generator, or from another provider, tagged to BPALOSS (SINK) to ensure that In-Kind losses are returned as scheduled.

9. A Transmission Customer may elect to be its own In-Kind Real Power Loss Provider if it has its own generation and is interconnected with the Network segment.
10. BPA Transmission Services will assess an Unauthorized Increase Charge, as described in its current Rate Schedules, or its successor, if the Transmission Customer schedules transmission in excess of its Reserved Capacity to return Real Power Losses.
11. The Transmission Customer may elect to purchase Hourly Firm transmission for Real Power Loss Returns during Preschedule.
12. Real Power Loss Returns cannot be scheduled concurrently on e-Tags. BPA Transmission Services will deny tags that include concurrent losses for BPAT segments.
13. BPA Transmission Services will calculate Real Power Losses daily for all Transmission Customers for return 168 hours after service was provided.
14. A single loss obligation is calculated for each Service Agreement based on:
    a. E-Tags.
    b. Actual or other data that references the Service Agreement.
15. Loss obligations for an FPT Transmission Customer are calculated as described in their FPT contract.
16. Transmission Customers that return losses for In-Kind and Slice Output returns must use the Customer Data Entry (CDE) system.
    a. An Open Access Technology International, Inc. (OATI) WebCares Certificate is required to access CDE. Information on obtaining the certificate is at: http://www.oaticerts.com/repository/oaticerts.html
17. Transmission Customers can access the loss return obligations using either:
    a. CDE interface.
    b. Extensible Markup Language (XML) interface.
    c. For technical assistance to access data using XML, send an email to txcbs@bpa.gov.
18. Transmission Customers must submit a CDE System Access form to txcbs@bpa.gov to:
    a. Gain access to the CDE system to view loss data and reports.
    b. Authorize a third party to view the Transmission Customer’s select loss data.
    c. Transmission Customers who have more than one authorized third party for viewing loss data and reports must coordinate and elect which party is responsible for returning all the loss obligations.
19. The CDE system will provide the following user interface information:
    a. Daily Loss Report: Loss obligations.
    b. Imbalance Report: View over/under returned losses.

c. Shared Path Summary: Owners/Non-Federal Participants (NFP) can view their shares and scheduled use of the Northern Intertie, Southern Intertie and DC Intertie.

B. Loss Reconciliations

1. At the end of each Delivery Month, after BPA Transmission Services has balanced with WECC, BPA Transmission Services will work with the Transmission Customer to identify and reconcile any deviation between losses incurred and losses returned resulting from changes made to schedules or actual data. Adjustment records for reconciliation of wheeling loss deviations are available to the Transmission Customer in its Daily Loss Report available via CDE.
2. Transmission Services will provide notice to Customers through txcbs@bpa.gov email when loss reconciliation has been finalized for a Delivery Month. BPA Transmission Services and the Transmission Customer, however, may agree to adjust final reconciled losses if, within three years, either party discovers a reconciliation error resulting from source data errors (e.g., meters, tags, loss database) programming errors, or other clear error. Any errors of this type must be corroborated by data from both BPA Transmission Services and the Transmission Customer.

C. Loss Return Requirements

1. All Short-Term Firm (STF) Transmission Service Requests (TSRs), including requests to return losses, will be processed in queue order.
2. Requests to return losses will not be subject to competition.
3. Available Flowgate Capability (AFC)/Available Transfer Capability (ATC)
    a. Requests to return losses affecting external interconnections or interties may be REFUSED due to lack of ATC.
    b. Requests to return losses not affecting external interconnections or interties will be ACCEPTED, regardless of AFC.
4. A Transmission Customer, or its alternate Real Power Loss Provider, must return In-Kind Real Power Loses on firm transmission by one of the following reservation procedures:
    a. No Charge Reservation:
        i. To reserve No Charge Reservations in OASIS, go to the Reservation Summary screen and select "F-Daily Loss Return" or "F-Hourly Loss Return" service.
        ii. If the Customer does not want to access OASIS to reserve No Charge Reservation, they will need to arrange to have another entity do business for them as their Reservation Agent. Refer to the Reservation Agent Business Practice for details.
        iii. For submittal timelines for the No Charge Reservations see the Requesting Transmission Service Business Practice.

   b. CONFIRMED No-Charge Reservations to return losses will increment (or decrement) posted ATC and AFC.
   c. Previously reserved firm transmission.
   d. Hourly Firm Service purchased at Preschedule.

5. To return In-Kind Losses the following criteria must be met:
   a. The No Charge Reservation must show the POR as the Real Power Loss Provider and BPAPOWER as the Point of Delivery (POD).
   b. Transmission Customers shall return losses by submitting e-Tags during the Preschedule window that matches the MW profile from Customer Data Entry (CDE).
   c. All In-Kind Real Power Loss Return service e-Tags must be submitted for the WECC Preschedule Day no later than 15:00:00 PPT.
   d. If the associated Real Power Loss Return schedule specifies the same Network Point of Receipt (POR) as the Service Agreement under which the losses were incurred, the Transmission Customer may return remaining losses under the same Service Agreement on unused firm Reserved Capacity.
   e. Unused Reserved Capacity on the Southern Intertie under the Transmission Customer’s Service Agreement must not be used for In-Kind Loss Return.
6. If Firm Reserved Capacity (ATC) is insufficient for a Transmission Customer to obtain a full reservation to return losses, BPA Transmission Services will offer Partial Service.
7. The OASIS Reference field of the e-Tag must reference either the:
   a. AREF of the No Charge Reservation request for a loss return. The Sale Ref of the No Charge Reservation must be the same as the Transmission Customer’s Service Agreement for which losses are being returned; or
   b. The Transmission Customer’s Service Agreement under which the losses were incurred.
8. Transmission Customers must reference the appropriate Product Suffix Code on the e-Tag:
   a. Point-to-Point Service Agreement – LP
   b. Network Integration Service Agreement – L3
   c. Formula Power Transmission contract – L2
   d. Southern Intertie owners and Non-Federal participant’s (NFP) – L7
   e. Northern Intertie owners - L9
9. The e-Tag must have BPAPOWER as the POD and BPALOSS as the sink.
10. The Daily Loss Report Imbalance should be zero when a loss return e-Tag’s status is Implement, indicating that losses have been prescheduled correctly.
11. If no firm transmission is available (ATC = 0) for the hour in which a Transmission Customer is scheduled to return losses, the Transmission Customer must acquire transmission for the next like hour in which firm transmission is available to return the losses. The losses must be returned in like hours, Heavy Load Hour (HLH) or Light Load Hour (LLH).

12. Real Power Loss Return schedules are firm and subject to pro rata curtailment, except as provided in the Oversupply Management Protocol business practice section E.2, in real time. Real Power Loss Returns that are curtailed must be returned in like hours, HLH or LLH, as soon as possible but no later than 168 hours from the time of the curtailment, except when the obligation is waived in accordance with the Oversupply Management Protocol business practice section E.2.
13. Slice Loss Return
    a. Power Services' Regional Dialogue Slice/Block Customers are not required to submit a No Charge Reservation when using Slice Output to provide Real Power Loss Returns. Losses returned by Slice Output Losses Return Type are deducted from the Customer's share of Slice Output 168 hours after service was provided, prior to making the share available for scheduling.