



Public Service Company of Colorado Control Area and Transmission Provider

BUSINESS PRACTICES Effective September 29, 2009

GENERAL INFORMATION

These OASIS Business Practices are for the Public Service Company of Colorado (PSCo) control area in the WECC. Questions concerning these Business Practices will only be addressed through questions submitted via the "Transmission Customer Questions and Answers" process documented in the Transmission Customer Q&A link under the General Information folder on PSCo OASIS home page. All questions and responses will be made public. Transmission service over the PSCo transmission system is available under the rates and terms of the Xcel Energy Operating Companies Joint Open Access Transmission Tariff (Joint OATT) applicable to the PSCo system. In addition to these PSCo OASIS Business Practices, customers must comply with all applicable provisions of the Joint OATT. Business Practices relating to the Joint OATT can be found at:

http://www.xcelenergy.com/XLWEB/CDA/0,3080,1-1-1_16699_29355-26647-0_0_0-0,00.html.

The Joint OATT as well as contracts for service can be found on the westTTrans OASIS site. (www.oatioasis.com).

SCHEDULING AND TAGGING

1. NERC Reliability Standards for the Western Interconnection are the default rules for scheduling and e-tagging unless stated in these business rules.
2. Pre Schedule - Normal business hours for prescheduled tags are Monday through Friday 0800 to 1500 hours (Mountain prevailing time - or MPT). Prescheduled tags (Firm and Non-Firm) are considered late and will be accommodated, if practicable, if submitted after 1500 MPT. Pre Schedule days are based on the WECC Pre schedule calendar.
3. Release of unscheduled firm capacity - Unscheduled Firm capacity and TRM will be released and made available on OASIS as Non-Firm at 1000 hours each pre-scheduling day in accordance with the WECC pre-scheduling calendar.
 - a. In order to accommodate pre-schedules in the Pacific Prevailing Time zone (PPT), PSCo Transmission Operations will release capacity into the first hour of the day following the Pre-Scheduling window (in accordance with the WECC pre-scheduling calendar).



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4. All real time (hourly) interchange transactions that are not prescheduled and that cross the control area boundary require an e-tag starting January 17, 2001.
5. Real time schedules from the Eastern Interconnection, where PSCo is the sink control area, require a tag starting January 17, 2001. (Western Interconnection rules will apply).
6. Late tags –
 - Real Time New Tags** - New Real-time hourly e- tags are due 20 minutes prior to the start of the hour of implementation. Tags received less than 20 minutes prior to the start of the hour of implementation will be accommodated, if practicable.
 - Real Time Tag Adjustments** – Adjustments to tags are due 20 minutes prior to the start of the hour of implementation. Tags received less than 20 minutes prior to the start of the hour of implementation will be accommodated, if practicable.
7. Interchange transactions using PSCo transmission as a path must have a valid OASIS number or a valid transmission contract identifier.
8. OASIS Terms of Service –
 - Hourly** transmission service is defined as beginning and ending at the top of the clock hour.
 - Daily** transmission service is defined as beginning at 00:00 MPT to 00:00 MPT on the following day.
 - Weekly** service is defined as beginning on Monday at 00:00 MPT and ending on the following Monday at 00:00 MPT.
 - Monthly** transmission service is defined as beginning on the first day of the month at 00:00 MPT and ending on the first day of the following month at 00:00 MPT.
9. PSCo will validate and match NERC priority codes between Tags and TSRs (Reservations) beginning March 16, 2006. If the NERC priority code on the Tag and TSR do not match, the Tag will be denied.

LAMAR DC TIE OASIS RESERVATIONS AND SCHEDULING

PSCo administers transmission service across the Lamar DC HVDC Tie (DC Tie), which interconnects the PSCo transmission system to the transmission



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system of Southwestern Public Service Company (SPS), another Xcel Energy Operating Company.

PSCo's non-firm Available Transmission Capacity (ATC) posting for transmission service from LAMR230 POR to the west will be posted at zero (0) due to an Existing Transmission Commitment (ETC) involving an intermittent, highly variable, generation resource connected at LAMR230. The ETC and the variable nature of the generation resource mean that PSCo cannot predict use of the ETC and therefore cannot post availability of non-firm ATC from this POR to the west in most hours. However, the transmission capacity in the area is a jointly owned line with TriState. If available, transmission service customers may request and purchase transmission service from LAMR230 POR to the west from TriState. To request such service, please use TriState's OASIS node for transmission service from LAMR230 POR to the west. A network customer with (i) a confirmed firm reservation that crosses or begins at the Lamar DC Tie and (ii) more than one network resource located at or east of the LAMR230 POR, may dispatch its network resources at or east of the LAMR230 POR in a manner that allows the customer to fully utilize its confirmed firm reservation by balancing the output of such resources on a real-time basis, provided that the combined output of such resources does not exceed 248 MW (the rated capacity of PSCo's transmission rights on the LAMR230 to Midway line segment).

Requests by an existing SPS Network Customer under the Xcel Energy OATT or by a Southwest Power Pool (SPP) Network Customer to designate Firm Network Resources on the PSCo side of the DC Tie for delivery across the DC Tie to a Network Load on the SPS transmission system shall be made on the PSCo OASIS page. SPS or SPP NITS customers requesting delivery of Network Resources across the Lamar HVDC Tie from the PSCo transmission system to the SPS transmission system shall execute a separate NITS agreement with PSCo. The PSCo NITS customer shall designate the Network Load for such requests at the Lamar Tie and submit requests on OASIS showing LAMR345 as the POD.

TTC and ATC for the Lamar DC tie are posted on OASIS. Bi-directional ATC will be posted up to the continuous operating capability of the tie. Transmission requests will be processed pursuant to the Joint OATT, NERC Reliability Standards, WECC Business Practices and PSCo Business Practices.

The DC tie conforms to the WECC ramp rates as identified in the NERC standards. As such the tie has the physical capability to ramp from -210 MW to +210 MW in the allotted 20-minute ramp duration.

Coordination of Xcel Energy OATT With PSCo WestConnect Tariff



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PSCo and its utility operating company affiliate Southwestern Public Service Company (SPS) are subject to the Xcel Energy Operating Companies Open Access Transmission Tariff (Xcel Energy OATT). PSCo and SPS have one point of interconnection (LAMR345). The Xcel Energy OATT includes a provision (Schedules 7 & 8 "Service by Multiple Operating Companies") that provides that a point-to-point transmission customer may use more than one Xcel Energy operating company system under "higher of" pricing rather than pay pancaked point-to-point transmission service rates.

PSCo has filed a separate WestConnect Tariff providing for non-firm point-to-point transmission service under the WestConnect pricing principles. The PSCo WestConnect tariff is effective February 11, 2009. This Business Practice will be effective upon the effective date of the PSCo WestConnect tariff.

To be eligible for non-pancaked point-to-point transmission service rates, identical point-to-point service requests (those with the same product type, duration, and quantity) must be secured over both the PSCo and SPS systems under the Xcel Energy OATT, connecting at LAMR345. Transactions using the PSCo WestConnect tariff with a POD of LAMR345 may use (a) Network Integration Transmission Service (NITS) under either the Xcel Energy OATT or the Southwest Power Pool (SPP) OATT, or (b) Point-to-point service under the SPP OATT, for deliveries on the SPS side of LAMR345. The transmission services on the SPS system must meet the eligibility requirements under the applicable OATT. Neither point-to-point transmission service using the PSCo WestConnect tariff nor point-to-point transmission service using the SPP OATT are eligible for "higher of" pricing.

OASIS TRANSMISSION RESERVATIONS

The practice of submitting numerous duplicate requests to OASIS to secure a single reservation seriously degrades the performance of the OASIS system and negatively affects all transmission customers. Therefore, effective October 16, 2000, PSCo deems more than six (6) identical requests submitted by the same company/entity within any two consecutive clock hours to be an abuse of the system and all requests submitted by that company/entity within that specified duration will be REFUSED.

Customers with CONFIRMED Transmission Service Reservations (TSRs) shall be permitted to relinquish that service in full without penalty under the following conditions:

1. The Customer must contact the PSCo Transmission Operations Control Center Leader (303) 273-4758, Operations Engineer (303) 273-4785, or the Control Center Manager (303) 273-4797 during regular business hours (M-F 07:00 – 16:00 MPT) to request the annulment of the confirmed



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- transaction (leaving a voice message does not constitute “contact”). PSCo System Operators will not annul TSRs.
2. The Customer must supply the unique TSR number for the confirmed service.
 3. The request for annulment must be received within 2 hours of the queued time of the TSR and no later than 3 hours prior to the start time of the TSR. These deadlines are established to provide other customers an opportunity to purchase service on the same transmission path as the annulled TSR.
 4. The service must be relinquished in full; requests for partial annulment will NOT be honored.
 5. The customer may request the annulment of service ONLY during PSCo business hours. If the request timing deadlines in item 3 above occur outside of PSCo business hours, the request to annul the TSR will NOT be honored.
 6. If the request is valid, PSCo will change the status of the CONFIRMED TSR to ANNULLED.

Public Service Company of Colorado accepts REDIRECT requests of FIRM Original Point-to-Point reservations on a FIRM basis for periods of less than or equal to the duration of the Original reservation. The requirements for redirecting FIRM Point-to-Point transmission service are summarized below.

1. All requests to redirect a FIRM reservation will be treated as new requests and should be submitted on OASIS with a Request Type of “REDIRECT”.
2. A REDIRECT request will be accepted if there is sufficient ATC available to satisfy the request. Each Firm REDIRECT retains the reservation priority of the ORIGINAL request.
3. Any REDIRECT request must indicate the AREF of the ORIGINAL reservation in the RELATED_REF field and must be PRECONFIRMED.
4. A request to REDIRECT can be for all or part of the capacity of the ORIGINAL reservation. A request to REDIRECT must be for the same amount for the entire redirected period. No variable schedule or use of profile edit to segment reservation into smaller intervals with gaps is allowed. Furthermore, no profile segment may request a capacity value of zero (0).
5. With respect to ORIGINAL reservations, a firm REDIRECT request must match an existing type of point-to-point service with a similar or shorter duration service increment than the ORIGINAL request (excluding hourly). The Start and Stop times must fall within the boundaries of the ORIGINAL reservation. For example, a Monthly Firm Point-to-Point reservation may be redirected with a Weekly Firm or Daily Firm Point-to-Point reservation of type “REDIRECT”.
6. Only ORIGINAL Firm transmission and redirected Firm Transmission service reservations with a CONFIRMED status may be redirected.



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7. Once a firm REDIRECT request is CONFIRMED, any capacity on the ORIGINAL path freed up during the overlapping period will be available to other customers for the period of that redirect.
8. A request for a Firm REDIRECT is subject to all request timing requirements consistent with a reservation for Firm Point-to-Point service of similar duration.
9. Any applicable rollover rights will remain on the ORIGINAL path only of a long-term firm reservation.

NETWORK INTEGRATION TRANSMISSION (NITS) CUSTOMERS

1. Network customers using Designated Network Resources to serve Network Load will be using Firm Network Integration Transmission Service (NITS). The E-tag should use the firm transmission service designation of 7F for the transmission priority.
2. Network Customers using Non Designated Resources to Network Load will be using Secondary Service, the highest priority non-firm point-to-point transmission service. The E-tag should use the Network non-firm designation of 6 NN for the transmission priority. Secondary Service (6 NN) will be subject to curtailment prior to curtailment of either firm NITS or Firm point-to-point (PTP) transmission service.
3. Network customers may undesignate their network resources for off system, system sales on a temporary basis according to the registered POR for the specific resource. PSCo has created a Network Resource Grouping POR of PSCOGEN for those centrally located, unconstrained resources specifically for this purpose. The specific resources identified with the PSCOGEN POR can be found on the Designated Network Resource list that is posted on PSCo's OASIS.
4. WECC MORC policy 1.A.1.c does not require additional reserves for Control Area imports if the generation product is FIRM regardless of the transmission product (firm or non-firm). The reserve obligation will be based solely on type of generation product being imported.
5. NERC Standard EOP-002, Requirement 9 Business Practice

The PSCo Transmission Function as Transmission Service Provider will use this practice in coordination with NERC Energy Emergency Alerts (EA) for an entity receiving Network Integration Transmission Service (NITS) from the PSCo Transmission Function.

Requirement 9 of NERC Reliability Standard EOP-002-2 contains the following language:



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When a Transmission Service Provider expects to elevate the transmission service priority of an Interchange Transaction from Priority 6 (Network Integration Transmission Service from Non-designated Resources) to Priority 7 (Network Integration Transmission Service from designated Network Resources) as permitted in its transmission tariff ...

The language of the NERC standard implies that a NITS customer may be allowed to elevate the transmission service priority of an NN6 interchange transaction to F7 during a declared energy emergency (EA2 or EA3). However, the Open Access Transmission Tariff for PSCo contains no provision for elevating transmission service priority from NN6 to F7 as contemplated in EOP-002-2, Requirement 9. During a declared emergency condition (EA2 or EA3), PSCo Transmission Function will apply this requirement at the direction of the Reliability Coordinator (WECC) and not at the request of a NITS customer.

NITS customers seeking F7 service priority for their interchange transaction(s) during a declared emergency condition should thus schedule transactions from designated network resources eligible for F7 service during such conditions.

Transmission Discounting Policy

Public Service Company of Colorado does not currently discount transmission service. If the discounting policy changes, the new discounting policy will be posted in the OASIS business practices.