

RTO WEST, INC.

**APPENDIX I:
RTO WEST WEBSITE**

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APPENDIX I: RTO WEST Website

I.1 RTO WEST OBLIGATIONS TO PROVIDE INFORMATION

Open access non-discriminatory Transmission Service requires that all commercially relevant information about the Transmission System be made available to all transmission customers at the same moment. This will be accomplished through the RTO West Website.

- a) RTO West shall develop and maintain a RTO WEST Website for the purpose of providing information to Market Participants and to the public in compliance with the Open Access Same-time Information System ("OASIS") requirements set forth at 18 CFR Part 37 of the regulations of the Federal Energy Regulatory Commission ("FERC" or the "Commission"), modified to reflect the Transmission Service and Firm Transmission Rights ("FTRs") related provisions provided in the RTO WEST Tariff and Appendices •, Congestion Management, and •, Transmission Rate Design.
- b) Any information received in the course of RTO West's, Area Control Centers' ("ACCs") or Generation Control Centers' ("GCCs") daily operation, including but not limited to that specified below, that may have commercial impacts on the markets for Energy, Ancillary Services or Transmission Rights, shall be posted on the RTO West Website as soon as possible.
- c) This Appendix lists the minimum data reporting requirements required by the RTO WEST Tariff. Additional data reporting requirements may be requested of RTO West by Market Participants at any time and RTO West shall make accommodations on the RTO WEST Website, as practicable, for the reporting of such additional information.
- d) RTO WEST shall have no liability of any kind with respect to its posting on the RTO WEST Website of system information, forecasts system conditions, or any other projection.

I.2 TRANSMISSION RELATED INFORMATION

This information shall include but not be limited to the following:

[This section, I.2, requires review by the RTO West Congestion Management Workgroup. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

I.2.1 *FTR INTERFACE AND SCHEDULING POINT* [*NOTE: DSTAR NOMEMCLATURE*] CAPABILITIES

A more detailed description of FTR Interfaces and Scheduling Points is contained in Appendix A, Congestion Management. With respect to the RTO WEST Website, the following information will be provided.

- a) *The methodologies used by RTO WEST to calculate the capabilities of the FTR Interfaces and Scheduling Points.*
- b) *Any information concerning the availability of Transmission Facilities that may have an impact on the commercial markets for Energy, Ancillary Services or Transmission Rights.*

- c) *Updated Operating Transfer Capability (“OTC”) of an FTR Interface or Scheduling Point, immediately upon changes in the capability of an FTR Interface or Scheduling Point.*
- d) *Announcement of any proposed or pending changes to FTR Interfaces or Scheduling Points, at least ninety (90) Calendar Days prior to the date at which such change would be effective.*

I.2.2 TRANSMISSION RIGHTS

A more detailed description of Transmission Rights for use of ***FTR Interfaces and Scheduling Points*** (see Section I.2.1 above) is contained in Appendix •, Congestion Management. With respect to the RTO WEST Website, the following information will be provided.

- a) All information that is commercially-relevant to participation in the annual, monthly, sub-monthly and daily auctions of FTRs and Recallable Transmission Rights (“RTRs”), including:
 - i) The number of FTRs (in year-long blocks, month-long blocks, sub-monthly blocks, or individual *Settlement Periods*, as appropriate for the particular auction) to be issued for each *FTR Interface and Scheduling Point*;
 - ii) The date and time prior to the commencement of the auction by which each bidder must have satisfied the necessary financial requirements;
 - iii) The specifications for the technical equipment necessary to participate in the auction;
 - iv) The date and time by which bids must be submitted;
 - v) The form and format in which bids must be submitted; and
 - vi) Any other information of commercial significance to bidders in the auction, including detailed descriptions of the bidding rules and mechanics of the software used to clear each FTR market.
- b) For each FTR Interface and Scheduling Point: the quantities of FTRs or RTRs awarded to each bidder, the FTR Clearing Price for each FTR Interface and Scheduling Point in the FTR auctions, and the range of accepted prices in the RTR auctions.
- c) Availability of any RTRs not sold at the daily RTR auction.
- d) Availability of Non-firm Transmission Rights (“NTRs”).
- e) Expected curtailment frequency of FTRs by FTR Interface and Scheduling Point that shall be estimated by RTO WEST on a non-binding basis.
- f) Notices of curtailments or de-rates of Transmission Rights.
- g) ***Information concerning the concentration of more than twenty percent (20%) of the FTRs on an FTR Interface or Scheduling Point in the hands of a single entity.***
- h) To facilitate the secondary markets in FTRs, prospective buyers of FTRs, prospective sellers of FTRs, and operators of secondary markets in FTRs may use the RTO WEST Website to post their identities and bids to buy or sell FTRs.
- i) Trades of FTRs in any secondary markets, based on the voluntarily submitted standardized transfer of ownership receipts posted to the RTO WEST Website as authorized by the parties to the trade and/or as required by Appendix •.

- j) Changes in the allocations of FTRs designated for release through subsequent auctions of multi-year, year-long, and/or month-long blocks.

I.2.3 EXISTING CONTRACT INFORMATION

[This section, I.2.3, requires review by the RTO West Congestion Management Workgroup as well as the Pricing Workgroup. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

A more detailed description of the treatment of Existing Contracts (“ECs”) is contained in Appendix •, Existing Contracts. With respect to the RTO WEST Website, the following information will be provided.

- a) The amounts of capacity on each FTR Interface or Scheduling Point that must be reserved for the Non-Converted Rights (“NCRs”) associated with ECs, determined in accordance with Appendix E.
- b) Any special scheduling, curtailment or operating instructions in NCR Instructions.
- c) Notification regarding the terms and conditions of any proposed conversions or modifications of Transmission Rights under ECs, pursuant to the procedures specified in Appendix E.
- d) All NCR Instructions and changes to NCR Instructions, in sufficient detail to enable all parties to fully ascertain the rights and priorities of the NCR relative to all other RTO West Transmission Service.
- e) The time at which any updated NCR instructions shall take effect.
- f) A complete list of ECs in effect as of the initial RTO WEST Operations Date. The list shall be kept current as additional Transmission Owners (“TOs”) sign the Transmission Control Agreement (“TCA”) with RTO WEST, as ECs are converted to RTO WEST Transmission Service, as ECs are modified, to the extent allowed for in the EC or as required to comply with applicable law, or as ECs expire or are terminated.

I.2.4 RTO WEST'S TRANSMISSION REGISTRY

A more detailed description of RTO WEST Operational Authority is contained in the RTO WEST Tariff and the TOA between RTO WEST and the Participating TOs. With respect to the RTO WEST Website, the following information will be provided.

- a) The RTO West *Transmission Registry*, that lists, at a minimum, all of the Transmission Facilities over which the RTO West has Operational Authority and all of the Transmission Facilities over which the RTO West has Pricing Authority.
- b) Notice of RTO West's intent to relinquish Operational Authority over any transmission lines or associated facilities.
- c) Technical specifications for all such Transmission Facilities, as RTO WEST may require.
- d) The applicable ratings of all such Transmission Facilities.
- e) Upon the request of RTO WEST, copies of each document creating an *Entitlement* or *Encumbrance* on such Transmission Facilities.

I.2.5 RTO WEST GRID INTERCONNECTION STANDARDS

A more detailed description of the interconnection standards for the RTO WEST Grid is contained in Appendix •, *Interconnection Process*. The RTO WEST Website will also provide the interconnection standards and procedures used by each Participating TO.

I.3 MARKET RELATED INFORMATION

This information shall include but not be limited to the following:

[This section, I.3, requires review by both the RTO West Congestion Management Workgroup as well as the Operations and Scheduling Workgroups. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

I.3.1 SYSTEM INFORMATION

- a) RTO West's Demand forecasts, both day-ahead and as they are updated.
- b) Projected *FTR Interface and Scheduling Point* constraints.
- c) *Projected transmission system loadings according to the initial and updated Operating Plan and actual transmission system loadings published as close to Real-Time as practicable.*
- d) *Day-Ahead Scheduling Process* summaries, including scheduled Demand and aggregate Generation by Congestion Zone, imports and exports.
- e) Final scheduled Demand, aggregate Generation, imports and exports by Congestion Zone at the close of the Schedule Adjustment Process.
- f) After-the-fact summaries of system conditions, including actual Congestion Zone Demands, aggregate Generation, imports and exports.
- g) Any non-proprietary information received from any ACCs (including but not limited to changes or potential changes in the status of the regional transmission grid or *FTR Interface or Scheduling Point* transfer capabilities; or conditions such as adverse weather conditions, fires, etc.) that could affect the security of any interconnection, if such information might have an impact on the commercial markets for Energy, Ancillary Services or Transmission Rights.
- h) All relevant information regarding any curtailments across FTR Interfaces or Scheduling Points, including the cause, magnitude and expected duration of the curtailment.
- i) The non-confidential details of the *initial Operating Plan* and any subsequent updates for the Trading Day.
- j) The Transmission *and Distribution* Loss Factors, determined in accordance with Appendix •.

I.3.2 ANCILLARY SERVICES RELATED INFORMATION

[This section, I.3.2, requires review by the RTO West Ancillary Services Workgroup. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

- a) RTO West's Ancillary Services requirements, in accordance with the time frames set forth in Appendix •, Scheduling, and the requirements established in Appendix •, Ancillary Services.
- b) Any changes to RTO West's Ancillary Services requirements, with as much advance notice as possible.
- c) Day-Ahead Scheduling Process summaries, including **Market Clearing Prices** for each Ancillary Service, quantities of Resources offered to RTO West, and ranges of price bids.
- d) Projected and actual **Balancing Energy Clearing Prices**, to be published as close to Real-Time as practicable.
- e) Aggregated, non-confidential data regarding bid quantities and bid prices for Ancillary Services, including the results of any **Local Generation Resource ("LGR")** auction.
- f) System Insufficiency Alerts and Warnings and the quantities and prices of Ancillary Services acquired under such conditions, all in accordance with Appendix •, Dispatch and Emergency Operations.
- g) Deviations, and the explanations for such deviations, from dispatch in accordance with the Balancing Energy Stack.
- h) Documentation of all actions taken in response to Settlement Period Inter-Zonal and Intra-Zonal Congestion.

I.3.3 LONG-TERM FORECASTS OF SYSTEM CONDITIONS

[This section, 1.3.3, requires review by the RTO Operations Workgroup. Do we expect to do this? The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

- a) Monthly Demand forecasts, developed by RTO West, for each Congestion Zone for the next twelve (12) months by week.
- b) A monthly system adequacy report for each Congestion Zone, comparing the weekly peak projected aggregate minimum Generating Unit capacity, including Resources associated with ECs and consideration of planned Maintenance Outages, to the forecasted weekly peak Demand plus forecasted Operating Reserve requirements, for the remaining months of the last twelve (12) month quarterly update.

I.3.4 SCHEDULING COORDINATOR INFORMATION

[This section, 1.3.4, requires review by the RTO Operations Workgroup. Do we expect to do this? The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

RTO WEST *shall investigate* creating a secure webpage on the RTO WEST Website for each SC that will allow the SC to see information related solely to that SC, such as any Real-Time information that RTO WEST has with respect to the operation of the Resources for which that SC provides scheduling services.

I.4 OTHER RTO WEST GRID-RELATED INFORMATION

I.4.1 APPLICABLE RELIABILITY STANDARDS

RTO West's Applicable Reliability Criteria and all amendments, revisions and updates thereto.

I.4.2 METERING INFORMATION

[This section, I.4.2, requires review by the RTO Operations Workgroup. Who else should be involved in metering standards? The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

I.4.3

- a) A current list of the *RTO WEST Certified Inspectors* and the procedure for application and certification as a RTO WEST Certified Inspector.
- b) The auditing and/or testing standards and procedures for the determination of *Metering Facility compliance*.
- c) The meter types and manufacturers of Revenue Quality Meters that have been independently certified as meeting the standards of the RTO WEST Tariff.
- d) RTO WEST may, at its discretion, grant exemptions from compliance with any terms and conditions, except those set forth by the appropriate regulatory authority, of Appendix •. RTO WEST shall post the following information:
 - i) The guidelines that it shall apply when considering an application for exemption;
 - ii) Each application for exemption;
 - iii) Information concerning the disposition of each application for exemption; and
 - iv) Information concerning group exemptions it has granted.

I.4.4 NOTICES OF WITHDRAWAL

All notices of intent to terminate or withdraw from the TOA or a Generator Interconnection Agreement (“GIA”).

I.4.5 SCHEDULING COORDINATOR INFORMATION

- a) A current list of RTO WEST-certified Scheduling Coordinators (“SCs”).
- b) Blank versions of “Scheduling Coordinator Certification Application Form” (Attachment •-1 to Appendix •) and the “Scheduling Coordinator Service Filing Form” (Attachment •-2 to Appendix •).

I.4.6 MAINTENANCE OUTAGES

[This section, I.4.6, requires review by the RTO Operations Workgroup-Outage Coordination. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

All commercially-relevant information possessed by RTO West regarding proposed or approved Maintenance Outages or Forced Outages of RTO WEST Grid facilities and other facilities, and the impacts of such Outages on the RTO WEST Grid's capabilities.

- a) Information regarding proposed Transmission Facility Maintenance Outages for Transmission Facilities constituting or impacting the RTO WEST Grid.
- b) *Demand forecasts for each Congestion Zone for the next twelve (12) months by week. This Demand forecast will be developed by RTO WEST.*
- c) *RTO WEST may, at its discretion, publish on the RTO WEST Website additional Demand forecasts for two (2) or more years following the next year.*
- d) *RTO WEST will publish a report comparing, by Congestion Zone, the projected aggregate minimum Generating Unit capacity to the sum of the Demand forecasted by RTO WEST in accordance with Appendix - and the Operating Reserve requirements forecasted by RTO WEST in accordance with Appendix - .*
- e) A summary of all requested and all approved Transmission Facility Maintenance Outages.

I.4.7 ANY OTHER TRANSMISSION INFORMATION

Any information received by RTO WEST (including but not limited to information received from RTO WEST ACCs and non-RTO WEST Control Area Operators ("CAOs"); changes or potential changes in the status of the regional transmission grid, *FTR Interface or Scheduling Point* transfer capabilities; or conditions such as adverse weather conditions, fires, etc., that could affect the security of any interconnection).

I.4.8 SYSTEM EMERGENCIES

Information as soon as practical on all declarations of a System Emergency and the non-confidential contents of all after-the-fact reports on System Emergencies.

I.4.9 PLANNING AND EXPANSION PROCESS

[This section, I.4.9 and the following section, I.4.10, require review by the RTO Planning Content Group. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

Information to meet the requirements of Appendix •, Planning and Expansion Process and any relevant Commission requirements, including:

- a) The Protocol developed describing the methodology and format to be used by the Participating TOs and Utility Distribution Companies ("UDCs") in developing their annual expansion plans;
- b) Drafts of the RTO WEST Regional Expansion Plan; and
- c) The selection criteria to be utilized in the evaluation by RTO WEST in evaluating any proposals received in response to RTO WEST's issuance of a Request for Proposal ("RFP").

I.4.10 INTERCONNECTION PROCESS

Information to meet the requirements of Appendix •, *Interconnection Process* and any relevant Commission requirements, including:

- a) RTO WEST's interconnection principles;
- b) RTO WEST's technical standards for Interconnection Service;
- c) Any demonstration requirements that RTO WEST develops to allow Interconnection Service Customers who do not otherwise meet the demonstration requirements of Appendix • for position in the RTO WEST project queue; and
- d) A list of all valid requests for Interconnection Service that have an established queue priority date.

I.5 MARKET MONITORING INFORMATION

[This section, I.5, requires review by the RTO West Market Monitoring Group. The language below is largely as it exists in the DSTAR Appendix I, February 9, 2001]

Information from the RTO WEST Market Monitoring Unit shall be posted to the RTO WEST Website in accordance with confidentiality requirements and the requirements of Appendix H, Market Monitoring. This includes any additional information targeted for disclosure by Appendix •.

I.6 ADMINISTRATIVE DOCUMENTS

Various administrative documents shall be posted on the RTO WEST Website. These include:

- a) All public RTO WEST documents, including the RTO WEST Tariff, Attachments, Appendices, By-Laws, Code of Conduct and various agreements;
- b) Meeting schedules;
- c) Contact lists for RTO WEST related entities; and
- d) Other administrative documents as they are identified.

[Upon final completion of the other Appendices and other documents, a review will be conducted to ensure that all topics covered in the Appendices and other documents (such as the Transmission Operating Agreement) that reference the RTO WEST Website have been captured in Appendix I.]