



PJM Interconnection, L.L.C.
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February 5, 2021

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

*Re: PJM Interconnection, L.L.C. and PJM Settlement, Inc., Docket No. ER21-520-001
Compliance Filing - Financial Transmission Rights Default Disposition Tariff and
Operating Agreement Revisions*

Dear Secretary Bose:

Pursuant to the Federal Energy Regulatory Commission's ("FERC" or "Commission") Order Accepting Tariff Revisions And Directing Compliance And Informational Filing Requirement issued on January 29, 2021 ("Order") in this docket,¹ PJM Interconnection, L.L.C. ("PJM") together with PJM Settlement, Inc. ("PJM Settlement") (collectively hereafter referred to as PJM), pursuant to section 205 of the Federal Power Act ("FPA"), 16 U.S.C. § 824d, hereby submit this filing to remove two words that were inadvertently included in the proposed revisions accepted by the Commission, on compliance with the Order.

I. PROPOSED TARIFF REVISIONS

On November 29, 2020, PJM filed proposed revisions to the PJM Open Access Transmission Tariff ("Tariff") and Amended and Restated Operating Agreement of PJM Interconnection, L.L.C. ("Operating Agreement") to address, on a going forward basis, how PJM

¹ *PJM Interconnection, L.L.C.*, 174 FERC ¶ 61,064 (January 29, 2021).

manages the disposition of Financial Transmission Right (“FTR”)² positions of Members that default on their payment obligations.

On December 21, 2020 the PJM Independent Market Monitor submitted comments in response to PJM’s filing, which, among other things, brought to PJM’s attention that two words PJM intended to delete from its draft Proposed Tariff Revisions were inadvertently included in its filing.³ Specifically, the reference to the words “and its” contained in proposed Tariff, Attachment K-Appendix, section 7.3.9(b)(4), and identical Operating Agreement, Schedule 1, section 7.3.9(b)(4), should have been deleted. In its Answer of PJM Interconnection, L.L.C. to Comments of the Independent Market Monitor filed on January 11, 2021, PJM advised that the words were inadvertently included in the filed provisions and that it “consents to ma[k]e such revisions in an compliance filing if the Commission so directs” in order to “bring this language into conformance with the rest of the Proposed Tariff Revisions, which reference minimizing Member losses only.”⁴ In the Order, the Commission accepted the filing but directed PJM to submit a compliance filing to correct the noted error and delete the words “and its” in Tariff, Attachment K-Appendix, section 7.3.9(b)(4), and identical Operating Agreement, Schedule 1, section 7.3.9(b)(4), as reflected below.⁵

² All capitalized terms that are not otherwise defined herein shall have the same meaning as they are defined in the Tariff, Operating Agreement, or the Reliability Assurance Agreement Among Load Serving Entities in the PJM Region.

³ *PJM Interconnection, L.L.C.*, Comments of the Independent Market Monitor for PJM, Docket No. ER21-520- 000 (Dec. 21, 2020).

⁴ *PJM Interconnection, L.L.C.*, Answer of PJM Interconnection, L.L.C. to Comments of the Independent Market Monitor, Docket No. ER21-520-000 (Jan. 11, 2021), at 12-13.

⁵ Order at P 33.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

...

b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a) above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member ("Special Auction"), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM ~~and its~~ Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member's entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member's portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member's overall Financial Transmission Rights portfolio.

II. PROPOSED EFFECTIVE DATE

PJM requests that the proposed Tariff revisions be made effective as of February 1, 2021, which is the same effective date originally requested and approved by the Commission.

III. DOCUMENTS SUBMITTED WITH THIS FILING

In addition to this transmittal letter, this submission includes:

- Attachment A – Marked Sheets effective February 1, 2021; and
- Attachment B – Clean Sheets effective February 1, 2021.

IV. COMMUNICATIONS

Correspondence and communications related to this filing should be sent to the following individuals:

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Vice President–Federal Gov’t Policy
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V. NOTICE AND SERVICE

PJM has served a copy of this filing on all PJM members and on all state utility regulatory commissions in the PJM Region by posting this filing electronically. In accordance with the Commission’s regulations,⁶ PJM will post a copy of this filing to the FERC filings section of its internet site, located at the following link: <http://www.pjm.com/documents/ferc-manuals/ferc-filings.aspx> with a specific link to the newly-filed document, and will send an e-mail on the same date as this filing to all PJM members and all state utility regulatory commissions in the PJM Region⁷ alerting them that this filing has been made by PJM and is available by following such link. PJM also serves the parties listed on the Commission’s official service list for this docket.

⁶ See 18 C.F.R. §§ 35.2(e) and 385.2010(f)(3).


⁷ PJM already maintains, updates and regularly uses e-mail lists for all PJM members and affected state commissions.

If the document is not immediately available by using the referenced link, the document will be available through the referenced link within 24 hours of the filing. Also, a copy of this filing will be available on the FERC's eLibrary website located at the following link: <http://www.ferc.gov/docs-filing/elibrary.asp> in accordance with the Commission's regulations and Order No. 714.

VI. CONCLUSION

Wherefore, for the foregoing reasons, PJM respectfully requests that the Commission accept the enclosed revisions for filing effective February 1, 2021.

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Respectfully submitted,

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CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing documents upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated at Audubon, PA, this 5th day of February, 2021.

/s/ Jacquelynn B. Hugee
Jacquelynn Hugee

Attorney for
PJM Interconnection, L.L.C.

7.3 Auction Procedures.

7.3.1 Role of the Office of the Interconnection.

Financial Transmission Rights auctions shall be conducted by the Office of the Interconnection in accordance with standards and procedures set forth in the PJM Manuals, such standards and procedures to be consistent with the requirements of this Schedule. PJMSettlement shall be the Counterparty to the purchases and sales of Financial Transmission Rights arising from such auctions, provided however, that PJMSettlement shall not be a contracting party to any subsequent bilateral transfers of Financial Transmission Rights between Market Participants. The conversion of an Auction Revenue Right to a Financial Transmission Right pursuant to this section 7 shall not constitute a purchase or sale transaction to which PJMSettlement is a contracting party. Any Financial Transmission Rights auctions conducted to liquidate a defaulting Member's Financial Transmission Rights portfolio shall be conducted by the Office of the Interconnection in accordance with the procedures set forth in section 7.3.9 below, and as may be further described in the PJM Manuals.

7.3.2 Notice of Offer.

A holder of a Financial Transmission Right wishing to offer the Financial Transmission Right for sale shall notify the Office of the Interconnection of any Financial Transmission Rights to be offered. Each Financial Transmission Right sold in an auction shall, at the end of the period for which the Financial Transmission Rights were auctioned, revert to the offering holder or the entity to which the offering holder has transferred such Financial Transmission Right, subject to the term of the Financial Transmission Right itself and to the right of such holder or transferee to offer the Financial Transmission Right in the next or any subsequent auction during the term of the Financial Transmission Right.

7.3.3 Pending Applications for Firm Service.

(a) [Reserved.]

(b) Financial Transmission Rights may be assigned to entities requesting Network Transmission Service or Firm Point-to-Point Transmission Service pursuant to Operating Agreement, Schedule 1, section 5.2.2 (e), and the parallel provisions of Tariff, Attachment K-Appendix, section 5.2.2(e), only if such Financial Transmission Rights are simultaneously feasible with all outstanding Financial Transmission Rights, including Financial Transmission Rights effective for the then-current auction period. If an assignment of Financial Transmission Rights pursuant to a pending application for Network Transmission Service or Firm Point-to-Point Transmission Service cannot be completed prior to an auction, Financial Transmission Rights attributable to such transmission service shall not be assigned for the then-current auction period. If a Financial Transmission Right cannot be assigned for this reason, the applicant may withdraw its application, or request that the Financial Transmission Right be assigned effective with the start of the next auction period.

7.3.4 On-Peak, Off-Peak and 24-Hour Periods.

On-peak, off-peak and 24-hour FTRs will be offered in the annual and monthly auction. On-Peak Financial Transmission Rights shall cover the periods from 7:00 a.m. up to the hour ending at 11:00 p.m. on Mondays through Fridays, except holidays as defined in the PJM Manuals. Off-Peak Financial Transmission Rights shall cover the periods from 11:00 p.m. up to the hour ending 7:00 a.m. on Mondays through Fridays and all hours on Saturdays, Sundays, and holidays as defined in the PJM Manuals. The 24-hour period shall cover the period from hour ending 1:00 a.m. to the hour ending 12:00 midnight on all days. Each bid shall specify whether it is for an on-peak, off-peak, or 24-hour period.

7.3.5 Offers and Bids.

(a) Offers to sell and bids to purchase Financial Transmission Rights shall be submitted during the period set forth in Operating Agreement, Schedule 1, section 7.1.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.1.2, and shall be in the form specified by the Office of the Interconnection in accordance with the requirements set forth below.

(b) Offers to sell shall identify the specific Financial Transmission Right, by term, megawatt quantity and receipt and delivery points, offered for sale. An offer to sell a specified megawatt quantity of Financial Transmission Rights shall constitute an offer to sell a quantity of Financial Transmission Rights equal to or less than the specified quantity. An offer to sell may not specify a minimum quantity being offered. Each offer may specify a reservation price, below which the offeror does not wish to sell the Financial Transmission Right. Offers submitted by entities holding rights to Financial Transmission Rights shall be subject to such reasonable standards for the verification of the rights of the offeror as may be established by the Office of the Interconnection. Offers shall be subject to such reasonable standards for the creditworthiness of the offeror or for the posting of security for performance as the Office of the Interconnection shall establish.

(c) Bids to purchase shall specify the term, megawatt quantity, price per megawatt, and receipt and delivery points of the Financial Transmission Right that the bidder wishes to purchase. A bid to purchase a specified megawatt quantity of Financial Transmission Rights shall constitute a bid to purchase a quantity of Financial Transmission Rights equal to or less than the specified quantity. A bid to purchase may not specify a minimum quantity that the bidder wishes to purchase. A bid may specify receipt and delivery points in accordance with Operating Agreement, Schedule 1, section 7.2.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.2.2, and may include Financial Transmission Rights for which the associated Transmission Congestion Credits may have negative values. Bids shall be subject to such reasonable standards for the creditworthiness of the bidder or for the posting of security for performance as the Office of the Interconnection shall establish.

(d) Bids and offers shall be specified to the nearest tenth of a megawatt and shall be greater than zero. The Office of the Interconnection may require that a market participant shall not submit in excess of 5000 bids and offers for any single monthly auction, or for any single round of the annual auction, when the Office of the Interconnection determines that such limit is required to avoid or mitigate significant system performance problems related to bid/offer

volume. Notice of the need to impose such limit shall be provided prior to the start of the bidding period if possible. Where such notice is provided after the start of the bidding period, market participants shall be required within one day to reduce their bids and offers for such auction below 5000, and the bidding period in such cases shall be extended by one day.

7.3.6 Determination of Winning Bids and Clearing Price.

- (a) At the close of each bidding period, the Office of the Interconnection will create a base Financial Transmission Rights power flow model that includes all outstanding Financial Transmission Rights that have been approved and confirmed for any portion of the month for which the auction was conducted and that were not offered for sale in the auction. The base Financial Transmission Rights model also will include estimated uncompensated parallel flows into each interface point of the PJM Region and estimated scheduled transmission outages.
- (b) In accordance with the requirements of Operating Agreement, Schedule 1, section 7.5, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.5, and subject to all applicable transmission constraints and reliability requirements, the Office of the Interconnection shall determine the simultaneous feasibility of all outstanding Financial Transmission Rights not offered for sale in the auction and of all Financial Transmission Rights that could be awarded in the auction for which bids were submitted. The winning bids shall be determined from an appropriate linear programming model that, while respecting transmission constraints and the maximum MW quantities of the bids and offers, selects the set of simultaneously feasible Financial Transmission Rights with the highest net total auction value as determined by the bids of buyers and taking into account the reservation prices of the sellers. In the event that there are two or more identical bids for the selected Financial Transmission Rights and there are insufficient Financial Transmission Rights to accommodate all of the identical bids, then each such bidder will receive a pro rata share of the Financial Transmission Rights that can be awarded.
- (c) Financial Transmission Rights shall be sold at the market-clearing price for Financial Transmission Rights between specified pairs of receipt and delivery points, as determined by the bid value of the marginal Financial Transmission Right that could not be awarded because it would not be simultaneously feasible. The linear programming model shall determine the clearing prices of all Financial Transmission Rights paths based on the bid value of the marginal Financial Transmission Rights, which are those Financial Transmission Rights with the highest bid values that could not be awarded fully because they were not simultaneously feasible, and based on the flow sensitivities of each Financial Transmission Rights path relative to the marginal Financial Transmission Rights paths flow sensitivities on the binding transmission constraints. Financial Transmission Rights with a zero clearing price will only be awarded if there is a minimum of one binding constraint in the auction period for which the Financial Transmission Rights path sensitivity is non-zero.

7.3.7 Announcement of Winners and Prices.

Within two (2) Business Days after the close of the bid and offer period for an annual Financial Transmission Rights auction round, and within five (5) Business Days after the close of the bid

and offer period for a monthly Financial Transmission Rights auction, the Office of the Interconnection shall post the winning bidders, the megawatt quantity, the term and the receipt and delivery points for each Financial Transmission Right awarded in the auction and the price at which each Financial Transmission Right was awarded unless circumstances beyond PJM's control prevent PJM from meeting the applicable deadline. Under such circumstances, PJM will post the auction results at the earliest possible opportunity. The Office of the Interconnection shall not disclose the price specified in any bid to purchase or the reservation price specified in any offer to sell. If the Office of the Interconnection discovers an error in the results posted for a Financial Transmission Rights auction (or a given round of the annual Financial Transmission Rights auction), the Office of the Interconnection shall notify Market Participants of the error as soon as possible after it is found, but in no event later than 5:00 p.m. of the Business Day following the initial publication of the results of the auction or round of the annual auction. After this initial notification, if the Office of the Interconnection determines that it is necessary to post modified results, it shall provide notification of its intent to do so, together with all available supporting documentation, by no later than 5:00 p.m. of the second Business Day following the initial publication of the results of that auction or round of the annual auction. Thereafter, the Office of the Interconnection must post any corrected results by no later than 5:00 p.m. of the fourth calendar day following the initial publication of the results of the auction or round of the annual auction. Should any of the above deadlines pass without the associated action on the part of the Office of the Interconnection, the originally posted results will be considered final. Notwithstanding the foregoing, the deadlines set forth above shall not apply if the referenced auction results are under publicly noticed review by the FERC.

7.3.8 Auction Settlements.

All buyers and sellers of Financial Transmission Rights between the same points of receipt and delivery shall pay PJMSettlement or be paid by PJMSettlement the market-clearing price, as determined in the auction, for such Financial Transmission Rights.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

- a) The Office of the Interconnection shall unilaterally terminate all of the defaulting Member's rights with respect to forward Financial Transmission Rights positions as of the date of the Member's default.
- b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a) above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific

circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member (“Special Auction”), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM ~~and its~~ Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member’s entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member’s portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member’s overall Financial Transmission Rights portfolio.

c) The Office of the Interconnection will seek to minimize the losses to PJM Members associated with settling, liquidating or otherwise resolving the defaulting Member’s Financial Transmission Rights portfolio and may base its determination in subsection (b) above on several factors, including but not limited to, the following:

- 1) the Office of the Interconnection’s assessment of which approach will provide the greatest degree of protection to the financial integrity of the PJM Markets;
- 2) the size of the defaulting Member’s Financial Transmission Rights portfolio, both in absolute terms and relative to overall market volume;
- 3) the term of the Financial Transmission Rights positions held by the defaulting Member as considered for a single position or on a portfolio basis;
- 4) whether liquidation is feasible or not, and on what timeline, due to the cessation or curtailment of trading at PJM for all Financial Transmission Rights or a subset of Financial Transmission Rights positions;
- 5) prevailing market conditions, such as but not limited to market liquidity and volatility; and
- 6) timing of the default and the actions taken to address the default.

d) Special Auctions. The Office of the Interconnection shall administer each Special Auction provided for in subsection (b)(2) above according to the procedures set forth in the Tariff and PJM Manuals for FTR auctions to the extent appropriate in the Office of the Interconnection’s sole discretion, and may adopt special rules for each Special Auction to accommodate the unique circumstances underlying the particular default and particular Financial

Transmission Rights positions being liquidated, with the terms and conditions of such auction being determined with the goal of facilitating a successful auction in light of the particular positions to be auctioned, the prevailing market conditions for such open positions (including the depth, scope, and nature of participation in such markets), and such other factors as the Office of the Interconnection determines appropriate, including those factors enumerated in subsection (c) above. The Office of the Interconnection shall provide reasonable advance notice to FTR Participants of a Special Auction and the terms and conditions under which it will be conducted.

e) All liquidations made pursuant to subsection (b) above shall be for the account of the defaulting Member (and all amounts owed PJM in respect thereof shall be included in amounts owed by the defaulting Member as part of its default).

f) Notwithstanding subsections 7.3.9(a) and (b) above, the actual net charges or credits resulting from the defaulting Member's Financial Transmission Rights positions for which PJM Settlement acted as counterparty as calculated through the normal settlement processes shall be included in calculating the Default Allocation Assessment charges as described in Operating Agreement, section 15.2.2.

7.3 Auction Procedures.

7.3.1 Role of the Office of the Interconnection.

Financial Transmission Rights auctions shall be conducted by the Office of the Interconnection in accordance with standards and procedures set forth in the PJM Manuals, such standards and procedures to be consistent with the requirements of this Schedule. PJMSettlement shall be the Counterparty to the purchases and sales of Financial Transmission Rights arising from such auctions, provided however, that PJMSettlement shall not be a contracting party to any subsequent bilateral transfers of Financial Transmission Rights between Market Participants. The conversion of an Auction Revenue Right to a Financial Transmission Right pursuant to this section 7 shall not constitute a purchase or sale transaction to which PJMSettlement is a contracting party. Any Financial Transmission Rights auctions conducted to liquidate a defaulting Member's Financial Transmission Rights portfolio shall be conducted by the Office of the Interconnection in accordance with the procedures set forth in section 7.3.9 below, and as may be further described in the PJM Manuals.

7.3.2 Notice of Offer.

A holder of a Financial Transmission Right wishing to offer the Financial Transmission Right for sale shall notify the Office of the Interconnection of any Financial Transmission Rights to be offered. Each Financial Transmission Right sold in an auction shall, at the end of the period for which the Financial Transmission Rights were auctioned, revert to the offering holder or the entity to which the offering holder has transferred such Financial Transmission Right, subject to the term of the Financial Transmission Right itself and to the right of such holder or transferee to offer the Financial Transmission Right in the next or any subsequent auction during the term of the Financial Transmission Right.

7.3.3 Pending Applications for Firm Service.

(a) [Reserved.]

(b) Financial Transmission Rights may be assigned to entities requesting Network Transmission Service or Firm Point-to-Point Transmission Service pursuant to Operating Agreement, Schedule 1, section 5.2.2 (e), and the parallel provisions of Tariff, Attachment K-Appendix, section 5.2.2(e), only if such Financial Transmission Rights are simultaneously feasible with all outstanding Financial Transmission Rights, including Financial Transmission Rights effective for the then-current auction period. If an assignment of Financial Transmission Rights pursuant to a pending application for Network Transmission Service or Firm Point-to-Point Transmission Service cannot be completed prior to an auction, Financial Transmission Rights attributable to such transmission service shall not be assigned for the then-current auction period. If a Financial Transmission Right cannot be assigned for this reason, the applicant may withdraw its application, or request that the Financial Transmission Right be assigned effective with the start of the next auction period.

7.3.4 On-Peak, Off-Peak and 24-Hour Periods.

On-peak, off-peak and 24-hour FTRs will be offered in the annual and monthly auction. On-Peak Financial Transmission Rights shall cover the periods from 7:00 a.m. up to the hour ending at 11:00 p.m. on Mondays through Fridays, except holidays as defined in the PJM Manuals. Off-Peak Financial Transmission Rights shall cover the periods from 11:00 p.m. up to the hour ending 7:00 a.m. on Mondays through Fridays and all hours on Saturdays, Sundays, and holidays as defined in the PJM Manuals. The 24-hour period shall cover the period from hour ending 1:00 a.m. to the hour ending 12:00 midnight on all days. Each bid shall specify whether it is for an on-peak, off-peak, or 24-hour period.

7.3.5 Offers and Bids.

(a) Offers to sell and bids to purchase Financial Transmission Rights shall be submitted during the period set forth in Operating Agreement, Schedule 1, section 7.1.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.1.2, and shall be in the form specified by the Office of the Interconnection in accordance with the requirements set forth below.

(b) Offers to sell shall identify the specific Financial Transmission Right, by term, megawatt quantity and receipt and delivery points, offered for sale. An offer to sell a specified megawatt quantity of Financial Transmission Rights shall constitute an offer to sell a quantity of Financial Transmission Rights equal to or less than the specified quantity. An offer to sell may not specify a minimum quantity being offered. Each offer may specify a reservation price, below which the offeror does not wish to sell the Financial Transmission Right. Offers submitted by entities holding rights to Financial Transmission Rights shall be subject to such reasonable standards for the verification of the rights of the offeror as may be established by the Office of the Interconnection. Offers shall be subject to such reasonable standards for the creditworthiness of the offeror or for the posting of security for performance as the Office of the Interconnection shall establish.

(c) Bids to purchase shall specify the term, megawatt quantity, price per megawatt, and receipt and delivery points of the Financial Transmission Right that the bidder wishes to purchase. A bid to purchase a specified megawatt quantity of Financial Transmission Rights shall constitute a bid to purchase a quantity of Financial Transmission Rights equal to or less than the specified quantity. A bid to purchase may not specify a minimum quantity that the bidder wishes to purchase. A bid may specify receipt and delivery points in accordance with Operating Agreement, Schedule 1, section 7.2.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.2.2, and may include Financial Transmission Rights for which the associated Transmission Congestion Credits may have negative values. Bids shall be subject to such reasonable standards for the creditworthiness of the bidder or for the posting of security for performance as the Office of the Interconnection shall establish.

(d) Bids and offers shall be specified to the nearest tenth of a megawatt and shall be greater than zero. The Office of the Interconnection may require that a market participant shall not submit in excess of 5000 bids and offers for any single monthly auction, or for any single round of the annual auction, when the Office of the Interconnection determines that such limit is

required to avoid or mitigate significant system performance problems related to bid/offer volume. Notice of the need to impose such limit shall be provided prior to the start of the bidding period if possible. Where such notice is provided after the start of the bidding period, market participants shall be required within one day to reduce their bids and offers for such auction below 5000, and the bidding period in such cases shall be extended by one day.

7.3.6 Determination of Winning Bids and Clearing Price.

(a) At the close of each bidding period, the Office of the Interconnection will create a base Financial Transmission Rights power flow model that includes all outstanding Financial Transmission Rights that have been approved and confirmed for any portion of the month for which the auction was conducted and that were not offered for sale in the auction. The base Financial Transmission Rights model also will include estimated uncompensated parallel flows into each interface point of the PJM Region and estimated scheduled transmission outages.

(b) In accordance with the requirements of Operating Agreement, Schedule 1, section 7.5, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.5, and subject to all applicable transmission constraints and reliability requirements, the Office of the Interconnection shall determine the simultaneous feasibility of all outstanding Financial Transmission Rights not offered for sale in the auction and of all Financial Transmission Rights that could be awarded in the auction for which bids were submitted. The winning bids shall be determined from an appropriate linear programming model that, while respecting transmission constraints and the maximum MW quantities of the bids and offers, selects the set of simultaneously feasible Financial Transmission Rights with the highest net total auction value as determined by the bids of buyers and taking into account the reservation prices of the sellers. In the event that there are two or more identical bids for the selected Financial Transmission Rights and there are insufficient Financial Transmission Rights to accommodate all of the identical bids, then each such bidder will receive a pro rata share of the Financial Transmission Rights that can be awarded.

(c) Financial Transmission Rights shall be sold at the market-clearing price for Financial Transmission Rights between specified pairs of receipt and delivery points, as determined by the bid value of the marginal Financial Transmission Right that could not be awarded because it would not be simultaneously feasible. The linear programming model shall determine the clearing prices of all Financial Transmission Rights paths based on the bid value of the marginal Financial Transmission Rights, which are those Financial Transmission Rights with the highest bid values that could not be awarded fully because they were not simultaneously feasible, and based on the flow sensitivities of each Financial Transmission Rights path relative to the marginal Financial Transmission Rights paths flow sensitivities on the binding transmission constraints. Financial Transmission Rights with a zero clearing price will only be awarded if there is a minimum of one binding constraint in the auction period for which the Financial Transmission Rights path sensitivity is non-zero.

7.3.7 Announcement of Winners and Prices.

Within two (2) Business Days after the close of the bid and offer period for an annual Financial Transmission Rights auction round, and within five (5) Business Days after the close of the bid and offer period for a monthly Financial Transmission Rights auction, the Office of the Interconnection shall post the winning bidders, the megawatt quantity, the term and the receipt and delivery points for each Financial Transmission Right awarded in the auction and the price at which each Financial Transmission Right was awarded unless circumstances beyond PJM's control prevent PJM from meeting the applicable deadline. Under such circumstances, PJM will post the auction results at the earliest possible opportunity. The Office of the Interconnection shall not disclose the price specified in any bid to purchase or the reservation price specified in any offer to sell. If the Office of the Interconnection discovers an error in the results posted for a Financial Transmission Rights auction (or a given round of the annual Financial Transmission Rights auction), the Office of the Interconnection shall notify Market Participants of the error as soon as possible after it is found, but in no event later than 5:00 p.m. of the Business Day following the initial publication of the results of the auction or round of the annual auction. After this initial notification, if the Office of the Interconnection determines that it is necessary to post modified results, it shall provide notification of its intent to do so, together with all available supporting documentation, by no later than 5:00 p.m. of the second Business Day following the initial publication of the results of that auction or round of the annual auction. Thereafter, the Office of the Interconnection must post any corrected results by no later than 5:00 p.m. of the fourth calendar day following the initial publication of the results of the auction or round of the annual auction. Should any of the above deadlines pass without the associated action on the part of the Office of the Interconnection, the originally posted results will be considered final. Notwithstanding the foregoing, the deadlines set forth above shall not apply if the referenced auction results are under publicly noticed review by the FERC.

7.3.8 Auction Settlements.

All buyers and sellers of Financial Transmission Rights between the same points of receipt and delivery shall pay PJMSettlement or be paid by PJMSettlement the market-clearing price, as determined in the auction, for such Financial Transmission Rights.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

- a) The Office of the Interconnection shall unilaterally terminate all of the defaulting Member's rights with respect to forward Financial Transmission Rights positions as of the date of the Member's default.
- b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a)

above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member (“Special Auction”), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM ~~and its~~ Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member’s entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member’s portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member’s overall Financial Transmission Rights portfolio.

c) The Office of the Interconnection will seek to minimize the losses to PJM Members associated with settling, liquidating or otherwise resolving the defaulting Member’s Financial Transmission Rights portfolio and may base its determination in subsection (b) above on several factors, including but not limited to, the following:

- 1) the Office of the Interconnection’s assessment of which approach will provide the greatest degree of protection to the financial integrity of the PJM Markets;
- 2) the size of the defaulting Member’s Financial Transmission Rights portfolio, both in absolute terms and relative to overall market volume;
- 3) the term of the Financial Transmission Rights positions held by the defaulting Member as considered for a single position or on a portfolio basis;
- 4) whether liquidation is feasible or not, and on what timeline, due to the cessation or curtailment of trading at PJM for all Financial Transmission Rights or a subset of Financial Transmission Rights positions;
- 5) prevailing market conditions, such as but not limited to market liquidity and volatility; and
- 6) timing of the default and the actions taken to address the default.

d) Special Auctions. The Office of the Interconnection shall administer each Special Auction provided for in subsection (b)(2) above according to the procedures set forth in the Tariff and PJM Manuals for FTR auctions to the extent appropriate in the Office of the Interconnection’s sole discretion, and may adopt special rules for each Special Auction to

accommodate the unique circumstances underlying the particular default and particular Financial Transmission Rights positions being liquidated, with the terms and conditions of such auction being determined with the goal of facilitating a successful auction in light of the particular positions to be auctioned, the prevailing market conditions for such open positions (including the depth, scope, and nature of participation in such markets), and such other factors as the Office of the Interconnection determines appropriate, including those factors enumerated in subsection (c) above. The Office of the Interconnection shall provide reasonable advance notice to FTR Participants of a Special Auction and the terms and conditions under which it will be conducted.

e) All liquidations made pursuant to subsection (b) above shall be for the account of the defaulting Member (and all amounts owed PJM in respect thereof shall be included in amounts owed by the defaulting Member as part of its default).

f) Notwithstanding subsections 7.3.9(a) and (b) above, the actual net charges or credits resulting from the defaulting Member's Financial Transmission Rights positions for which PJMSettlement acted as counterparty as calculated through the normal settlement processes shall be included in calculating the Default Allocation Assessment charges as described in Operating Agreement, section 15.2.2.

7.3 Auction Procedures.

7.3.1 Role of the Office of the Interconnection.

Financial Transmission Rights auctions shall be conducted by the Office of the Interconnection in accordance with standards and procedures set forth in the PJM Manuals, such standards and procedures to be consistent with the requirements of this Schedule. PJMSettlement shall be the Counterparty to the purchases and sales of Financial Transmission Rights arising from such auctions, provided however, that PJMSettlement shall not be a contracting party to any subsequent bilateral transfers of Financial Transmission Rights between Market Participants. The conversion of an Auction Revenue Right to a Financial Transmission Right pursuant to this section 7 shall not constitute a purchase or sale transaction to which PJMSettlement is a contracting party. Any Financial Transmission Rights auctions conducted to liquidate a defaulting Member's Financial Transmission Rights portfolio shall be conducted by the Office of the Interconnection in accordance with the procedures set forth in section 7.3.9 below, and as may be further described in the PJM Manuals.

7.3.2 Notice of Offer.

A holder of a Financial Transmission Right wishing to offer the Financial Transmission Right for sale shall notify the Office of the Interconnection of any Financial Transmission Rights to be offered. Each Financial Transmission Right sold in an auction shall, at the end of the period for which the Financial Transmission Rights were auctioned, revert to the offering holder or the entity to which the offering holder has transferred such Financial Transmission Right, subject to the term of the Financial Transmission Right itself and to the right of such holder or transferee to offer the Financial Transmission Right in the next or any subsequent auction during the term of the Financial Transmission Right.

7.3.3 Pending Applications for Firm Service.

(a) [Reserved.]

(b) Financial Transmission Rights may be assigned to entities requesting Network Transmission Service or Firm Point-to-Point Transmission Service pursuant to Operating Agreement, Schedule 1, section 5.2.2 (e), and the parallel provisions of Tariff, Attachment K-Appendix, section 5.2.2(e), only if such Financial Transmission Rights are simultaneously feasible with all outstanding Financial Transmission Rights, including Financial Transmission Rights effective for the then-current auction period. If an assignment of Financial Transmission Rights pursuant to a pending application for Network Transmission Service or Firm Point-to-Point Transmission Service cannot be completed prior to an auction, Financial Transmission Rights attributable to such transmission service shall not be assigned for the then-current auction period. If a Financial Transmission Right cannot be assigned for this reason, the applicant may withdraw its application, or request that the Financial Transmission Right be assigned effective with the start of the next auction period.

7.3.4 On-Peak, Off-Peak and 24-Hour Periods.

On-peak, off-peak and 24-hour FTRs will be offered in the annual and monthly auction. On-Peak Financial Transmission Rights shall cover the periods from 7:00 a.m. up to the hour ending at 11:00 p.m. on Mondays through Fridays, except holidays as defined in the PJM Manuals. Off-Peak Financial Transmission Rights shall cover the periods from 11:00 p.m. up to the hour ending 7:00 a.m. on Mondays through Fridays and all hours on Saturdays, Sundays, and holidays as defined in the PJM Manuals. The 24-hour period shall cover the period from hour ending 1:00 a.m. to the hour ending 12:00 midnight on all days. Each bid shall specify whether it is for an on-peak, off-peak, or 24-hour period.

7.3.5 Offers and Bids.

(a) Offers to sell and bids to purchase Financial Transmission Rights shall be submitted during the period set forth in Operating Agreement, Schedule 1, section 7.1.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.1.2, and shall be in the form specified by the Office of the Interconnection in accordance with the requirements set forth below.

(b) Offers to sell shall identify the specific Financial Transmission Right, by term, megawatt quantity and receipt and delivery points, offered for sale. An offer to sell a specified megawatt quantity of Financial Transmission Rights shall constitute an offer to sell a quantity of Financial Transmission Rights equal to or less than the specified quantity. An offer to sell may not specify a minimum quantity being offered. Each offer may specify a reservation price, below which the offeror does not wish to sell the Financial Transmission Right. Offers submitted by entities holding rights to Financial Transmission Rights shall be subject to such reasonable standards for the verification of the rights of the offeror as may be established by the Office of the Interconnection. Offers shall be subject to such reasonable standards for the creditworthiness of the offeror or for the posting of security for performance as the Office of the Interconnection shall establish.

(c) Bids to purchase shall specify the term, megawatt quantity, price per megawatt, and receipt and delivery points of the Financial Transmission Right that the bidder wishes to purchase. A bid to purchase a specified megawatt quantity of Financial Transmission Rights shall constitute a bid to purchase a quantity of Financial Transmission Rights equal to or less than the specified quantity. A bid to purchase may not specify a minimum quantity that the bidder wishes to purchase. A bid may specify receipt and delivery points in accordance with Operating Agreement, Schedule 1, section 7.2.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.2.2, and may include Financial Transmission Rights for which the associated Transmission Congestion Credits may have negative values. Bids shall be subject to such reasonable standards for the creditworthiness of the bidder or for the posting of security for performance as the Office of the Interconnection shall establish.

(d) Bids and offers shall be specified to the nearest tenth of a megawatt and shall be greater than zero. The Office of the Interconnection may require that a market participant shall not submit in excess of 5000 bids and offers for any single monthly auction, or for any single round of the annual auction, when the Office of the Interconnection determines that such limit is required to avoid or mitigate significant system performance problems related to bid/offer

volume. Notice of the need to impose such limit shall be provided prior to the start of the bidding period if possible. Where such notice is provided after the start of the bidding period, market participants shall be required within one day to reduce their bids and offers for such auction below 5000, and the bidding period in such cases shall be extended by one day.

7.3.6 Determination of Winning Bids and Clearing Price.

- (a) At the close of each bidding period, the Office of the Interconnection will create a base Financial Transmission Rights power flow model that includes all outstanding Financial Transmission Rights that have been approved and confirmed for any portion of the month for which the auction was conducted and that were not offered for sale in the auction. The base Financial Transmission Rights model also will include estimated uncompensated parallel flows into each interface point of the PJM Region and estimated scheduled transmission outages.
- (b) In accordance with the requirements of Operating Agreement, Schedule 1, section 7.5, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.5, and subject to all applicable transmission constraints and reliability requirements, the Office of the Interconnection shall determine the simultaneous feasibility of all outstanding Financial Transmission Rights not offered for sale in the auction and of all Financial Transmission Rights that could be awarded in the auction for which bids were submitted. The winning bids shall be determined from an appropriate linear programming model that, while respecting transmission constraints and the maximum MW quantities of the bids and offers, selects the set of simultaneously feasible Financial Transmission Rights with the highest net total auction value as determined by the bids of buyers and taking into account the reservation prices of the sellers. In the event that there are two or more identical bids for the selected Financial Transmission Rights and there are insufficient Financial Transmission Rights to accommodate all of the identical bids, then each such bidder will receive a pro rata share of the Financial Transmission Rights that can be awarded.
- (c) Financial Transmission Rights shall be sold at the market-clearing price for Financial Transmission Rights between specified pairs of receipt and delivery points, as determined by the bid value of the marginal Financial Transmission Right that could not be awarded because it would not be simultaneously feasible. The linear programming model shall determine the clearing prices of all Financial Transmission Rights paths based on the bid value of the marginal Financial Transmission Rights, which are those Financial Transmission Rights with the highest bid values that could not be awarded fully because they were not simultaneously feasible, and based on the flow sensitivities of each Financial Transmission Rights path relative to the marginal Financial Transmission Rights paths flow sensitivities on the binding transmission constraints. Financial Transmission Rights with a zero clearing price will only be awarded if there is a minimum of one binding constraint in the auction period for which the Financial Transmission Rights path sensitivity is non-zero.

7.3.7 Announcement of Winners and Prices.

Within two (2) Business Days after the close of the bid and offer period for an annual Financial Transmission Rights auction round, and within five (5) Business Days after the close of the bid

and offer period for a monthly Financial Transmission Rights auction, the Office of the Interconnection shall post the winning bidders, the megawatt quantity, the term and the receipt and delivery points for each Financial Transmission Right awarded in the auction and the price at which each Financial Transmission Right was awarded unless circumstances beyond PJM's control prevent PJM from meeting the applicable deadline. Under such circumstances, PJM will post the auction results at the earliest possible opportunity. The Office of the Interconnection shall not disclose the price specified in any bid to purchase or the reservation price specified in any offer to sell. If the Office of the Interconnection discovers an error in the results posted for a Financial Transmission Rights auction (or a given round of the annual Financial Transmission Rights auction), the Office of the Interconnection shall notify Market Participants of the error as soon as possible after it is found, but in no event later than 5:00 p.m. of the Business Day following the initial publication of the results of the auction or round of the annual auction. After this initial notification, if the Office of the Interconnection determines that it is necessary to post modified results, it shall provide notification of its intent to do so, together with all available supporting documentation, by no later than 5:00 p.m. of the second Business Day following the initial publication of the results of that auction or round of the annual auction. Thereafter, the Office of the Interconnection must post any corrected results by no later than 5:00 p.m. of the fourth calendar day following the initial publication of the results of the auction or round of the annual auction. Should any of the above deadlines pass without the associated action on the part of the Office of the Interconnection, the originally posted results will be considered final. Notwithstanding the foregoing, the deadlines set forth above shall not apply if the referenced auction results are under publicly noticed review by the FERC.

7.3.8 Auction Settlements.

All buyers and sellers of Financial Transmission Rights between the same points of receipt and delivery shall pay PJMSettlement or be paid by PJMSettlement the market-clearing price, as determined in the auction, for such Financial Transmission Rights.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

- a) The Office of the Interconnection shall unilaterally terminate all of the defaulting Member's rights with respect to forward Financial Transmission Rights positions as of the date of the Member's default.
- b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a) above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific

circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member (“Special Auction”), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member’s entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member’s portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member’s overall Financial Transmission Rights portfolio.

c) The Office of the Interconnection will seek to minimize the losses to PJM Members associated with settling, liquidating or otherwise resolving the defaulting Member’s Financial Transmission Rights portfolio and may base its determination in subsection (b) above on several factors, including but not limited to, the following:

- 1) the Office of the Interconnection’s assessment of which approach will provide the greatest degree of protection to the financial integrity of the PJM Markets;
- 2) the size of the defaulting Member’s Financial Transmission Rights portfolio, both in absolute terms and relative to overall market volume;
- 3) the term of the Financial Transmission Rights positions held by the defaulting Member as considered for a single position or on a portfolio basis;
- 4) whether liquidation is feasible or not, and on what timeline, due to the cessation or curtailment of trading at PJM for all Financial Transmission Rights or a subset of Financial Transmission Rights positions;
- 5) prevailing market conditions, such as but not limited to market liquidity and volatility; and
- 6) timing of the default and the actions taken to address the default.

d) Special Auctions. The Office of the Interconnection shall administer each Special Auction provided for in subsection (b)(2) above according to the procedures set forth in the Tariff and PJM Manuals for FTR auctions to the extent appropriate in the Office of the Interconnection’s sole discretion, and may adopt special rules for each Special Auction to accommodate the unique circumstances underlying the particular default and particular Financial Transmission Rights positions being liquidated, with the terms and conditions of such auction

being determined with the goal of facilitating a successful auction in light of the particular positions to be auctioned, the prevailing market conditions for such open positions (including the depth, scope, and nature of participation in such markets), and such other factors as the Office of the Interconnection determines appropriate, including those factors enumerated in subsection (c) above. The Office of the Interconnection shall provide reasonable advance notice to FTR Participants of a Special Auction and the terms and conditions under which it will be conducted.

e) All liquidations made pursuant to subsection (b) above shall be for the account of the defaulting Member (and all amounts owed PJM in respect thereof shall be included in amounts owed by the defaulting Member as part of its default).

f) Notwithstanding subsections 7.3.9(a) and (b) above, the actual net charges or credits resulting from the defaulting Member's Financial Transmission Rights positions for which PJMSettlement acted as counterparty as calculated through the normal settlement processes shall be included in calculating the Default Allocation Assessment charges as described in Operating Agreement, section 15.2.2.

7.3 Auction Procedures.

7.3.1 Role of the Office of the Interconnection.

Financial Transmission Rights auctions shall be conducted by the Office of the Interconnection in accordance with standards and procedures set forth in the PJM Manuals, such standards and procedures to be consistent with the requirements of this Schedule. PJMSettlement shall be the Counterparty to the purchases and sales of Financial Transmission Rights arising from such auctions, provided however, that PJMSettlement shall not be a contracting party to any subsequent bilateral transfers of Financial Transmission Rights between Market Participants. The conversion of an Auction Revenue Right to a Financial Transmission Right pursuant to this section 7 shall not constitute a purchase or sale transaction to which PJMSettlement is a contracting party. Any Financial Transmission Rights auctions conducted to liquidate a defaulting Member's Financial Transmission Rights portfolio shall be conducted by the Office of the Interconnection in accordance with the procedures set forth in section 7.3.9 below, and as may be further described in the PJM Manuals.

7.3.2 Notice of Offer.

A holder of a Financial Transmission Right wishing to offer the Financial Transmission Right for sale shall notify the Office of the Interconnection of any Financial Transmission Rights to be offered. Each Financial Transmission Right sold in an auction shall, at the end of the period for which the Financial Transmission Rights were auctioned, revert to the offering holder or the entity to which the offering holder has transferred such Financial Transmission Right, subject to the term of the Financial Transmission Right itself and to the right of such holder or transferee to offer the Financial Transmission Right in the next or any subsequent auction during the term of the Financial Transmission Right.

7.3.3 Pending Applications for Firm Service.

(a) [Reserved.]

(b) Financial Transmission Rights may be assigned to entities requesting Network Transmission Service or Firm Point-to-Point Transmission Service pursuant to Operating Agreement, Schedule 1, section 5.2.2 (e), and the parallel provisions of Tariff, Attachment K-Appendix, section 5.2.2(e), only if such Financial Transmission Rights are simultaneously feasible with all outstanding Financial Transmission Rights, including Financial Transmission Rights effective for the then-current auction period. If an assignment of Financial Transmission Rights pursuant to a pending application for Network Transmission Service or Firm Point-to-Point Transmission Service cannot be completed prior to an auction, Financial Transmission Rights attributable to such transmission service shall not be assigned for the then-current auction period. If a Financial Transmission Right cannot be assigned for this reason, the applicant may withdraw its application, or request that the Financial Transmission Right be assigned effective with the start of the next auction period.

7.3.4 On-Peak, Off-Peak and 24-Hour Periods.

On-peak, off-peak and 24-hour FTRs will be offered in the annual and monthly auction. On-Peak Financial Transmission Rights shall cover the periods from 7:00 a.m. up to the hour ending at 11:00 p.m. on Mondays through Fridays, except holidays as defined in the PJM Manuals. Off-Peak Financial Transmission Rights shall cover the periods from 11:00 p.m. up to the hour ending 7:00 a.m. on Mondays through Fridays and all hours on Saturdays, Sundays, and holidays as defined in the PJM Manuals. The 24-hour period shall cover the period from hour ending 1:00 a.m. to the hour ending 12:00 midnight on all days. Each bid shall specify whether it is for an on-peak, off-peak, or 24-hour period.

7.3.5 Offers and Bids.

(a) Offers to sell and bids to purchase Financial Transmission Rights shall be submitted during the period set forth in Operating Agreement, Schedule 1, section 7.1.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.1.2, and shall be in the form specified by the Office of the Interconnection in accordance with the requirements set forth below.

(b) Offers to sell shall identify the specific Financial Transmission Right, by term, megawatt quantity and receipt and delivery points, offered for sale. An offer to sell a specified megawatt quantity of Financial Transmission Rights shall constitute an offer to sell a quantity of Financial Transmission Rights equal to or less than the specified quantity. An offer to sell may not specify a minimum quantity being offered. Each offer may specify a reservation price, below which the offeror does not wish to sell the Financial Transmission Right. Offers submitted by entities holding rights to Financial Transmission Rights shall be subject to such reasonable standards for the verification of the rights of the offeror as may be established by the Office of the Interconnection. Offers shall be subject to such reasonable standards for the creditworthiness of the offeror or for the posting of security for performance as the Office of the Interconnection shall establish.

(c) Bids to purchase shall specify the term, megawatt quantity, price per megawatt, and receipt and delivery points of the Financial Transmission Right that the bidder wishes to purchase. A bid to purchase a specified megawatt quantity of Financial Transmission Rights shall constitute a bid to purchase a quantity of Financial Transmission Rights equal to or less than the specified quantity. A bid to purchase may not specify a minimum quantity that the bidder wishes to purchase. A bid may specify receipt and delivery points in accordance with Operating Agreement, Schedule 1, section 7.2.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.2.2, and may include Financial Transmission Rights for which the associated Transmission Congestion Credits may have negative values. Bids shall be subject to such reasonable standards for the creditworthiness of the bidder or for the posting of security for performance as the Office of the Interconnection shall establish.

(d) Bids and offers shall be specified to the nearest tenth of a megawatt and shall be greater than zero. The Office of the Interconnection may require that a market participant shall not submit in excess of 5000 bids and offers for any single monthly auction, or for any single round of the annual auction, when the Office of the Interconnection determines that such limit is required to avoid or mitigate significant system performance problems related to bid/offer

volume. Notice of the need to impose such limit shall be provided prior to the start of the bidding period if possible. Where such notice is provided after the start of the bidding period, market participants shall be required within one day to reduce their bids and offers for such auction below 5000, and the bidding period in such cases shall be extended by one day.

7.3.6 Determination of Winning Bids and Clearing Price.

- (a) At the close of each bidding period, the Office of the Interconnection will create a base Financial Transmission Rights power flow model that includes all outstanding Financial Transmission Rights that have been approved and confirmed for any portion of the month for which the auction was conducted and that were not offered for sale in the auction. The base Financial Transmission Rights model also will include estimated uncompensated parallel flows into each interface point of the PJM Region and estimated scheduled transmission outages.
- (b) In accordance with the requirements of Operating Agreement, Schedule 1, section 7.5, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.5, and subject to all applicable transmission constraints and reliability requirements, the Office of the Interconnection shall determine the simultaneous feasibility of all outstanding Financial Transmission Rights not offered for sale in the auction and of all Financial Transmission Rights that could be awarded in the auction for which bids were submitted. The winning bids shall be determined from an appropriate linear programming model that, while respecting transmission constraints and the maximum MW quantities of the bids and offers, selects the set of simultaneously feasible Financial Transmission Rights with the highest net total auction value as determined by the bids of buyers and taking into account the reservation prices of the sellers. In the event that there are two or more identical bids for the selected Financial Transmission Rights and there are insufficient Financial Transmission Rights to accommodate all of the identical bids, then each such bidder will receive a pro rata share of the Financial Transmission Rights that can be awarded.
- (c) Financial Transmission Rights shall be sold at the market-clearing price for Financial Transmission Rights between specified pairs of receipt and delivery points, as determined by the bid value of the marginal Financial Transmission Right that could not be awarded because it would not be simultaneously feasible. The linear programming model shall determine the clearing prices of all Financial Transmission Rights paths based on the bid value of the marginal Financial Transmission Rights, which are those Financial Transmission Rights with the highest bid values that could not be awarded fully because they were not simultaneously feasible, and based on the flow sensitivities of each Financial Transmission Rights path relative to the marginal Financial Transmission Rights paths flow sensitivities on the binding transmission constraints. Financial Transmission Rights with a zero clearing price will only be awarded if there is a minimum of one binding constraint in the auction period for which the Financial Transmission Rights path sensitivity is non-zero.

7.3.7 Announcement of Winners and Prices.

Within two (2) Business Days after the close of the bid and offer period for an annual Financial Transmission Rights auction round, and within five (5) Business Days after the close of the bid

and offer period for a monthly Financial Transmission Rights auction, the Office of the Interconnection shall post the winning bidders, the megawatt quantity, the term and the receipt and delivery points for each Financial Transmission Right awarded in the auction and the price at which each Financial Transmission Right was awarded unless circumstances beyond PJM's control prevent PJM from meeting the applicable deadline. Under such circumstances, PJM will post the auction results at the earliest possible opportunity. The Office of the Interconnection shall not disclose the price specified in any bid to purchase or the reservation price specified in any offer to sell. If the Office of the Interconnection discovers an error in the results posted for a Financial Transmission Rights auction (or a given round of the annual Financial Transmission Rights auction), the Office of the Interconnection shall notify Market Participants of the error as soon as possible after it is found, but in no event later than 5:00 p.m. of the Business Day following the initial publication of the results of the auction or round of the annual auction. After this initial notification, if the Office of the Interconnection determines that it is necessary to post modified results, it shall provide notification of its intent to do so, together with all available supporting documentation, by no later than 5:00 p.m. of the second Business Day following the initial publication of the results of that auction or round of the annual auction. Thereafter, the Office of the Interconnection must post any corrected results by no later than 5:00 p.m. of the fourth calendar day following the initial publication of the results of the auction or round of the annual auction. Should any of the above deadlines pass without the associated action on the part of the Office of the Interconnection, the originally posted results will be considered final. Notwithstanding the foregoing, the deadlines set forth above shall not apply if the referenced auction results are under publicly noticed review by the FERC.

7.3.8 Auction Settlements.

All buyers and sellers of Financial Transmission Rights between the same points of receipt and delivery shall pay PJM Settlement or be paid by PJM Settlement the market-clearing price, as determined in the auction, for such Financial Transmission Rights.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

- a) The Office of the Interconnection shall unilaterally terminate all of the defaulting Member's rights with respect to forward Financial Transmission Rights positions as of the date of the Member's default.
- b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a) above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific

circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member (“Special Auction”), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member’s entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member’s portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member’s overall Financial Transmission Rights portfolio.

c) The Office of the Interconnection will seek to minimize the losses to PJM Members associated with settling, liquidating or otherwise resolving the defaulting Member’s Financial Transmission Rights portfolio and may base its determination in subsection (b) above on several factors, including but not limited to, the following:

- 1) the Office of the Interconnection’s assessment of which approach will provide the greatest degree of protection to the financial integrity of the PJM Markets;
- 2) the size of the defaulting Member’s Financial Transmission Rights portfolio, both in absolute terms and relative to overall market volume;
- 3) the term of the Financial Transmission Rights positions held by the defaulting Member as considered for a single position or on a portfolio basis;
- 4) whether liquidation is feasible or not, and on what timeline, due to the cessation or curtailment of trading at PJM for all Financial Transmission Rights or a subset of Financial Transmission Rights positions;
- 5) prevailing market conditions, such as but not limited to market liquidity and volatility; and
- 6) timing of the default and the actions taken to address the default.

d) Special Auctions. The Office of the Interconnection shall administer each Special Auction provided for in subsection (b)(2) above according to the procedures set forth in the Tariff and PJM Manuals for FTR auctions to the extent appropriate in the Office of the Interconnection’s sole discretion, and may adopt special rules for each Special Auction to accommodate the unique circumstances underlying the particular default and particular Financial Transmission Rights positions being liquidated, with the terms and conditions of such auction

being determined with the goal of facilitating a successful auction in light of the particular positions to be auctioned, the prevailing market conditions for such open positions (including the depth, scope, and nature of participation in such markets), and such other factors as the Office of the Interconnection determines appropriate, including those factors enumerated in subsection (c) above. The Office of the Interconnection shall provide reasonable advance notice to FTR Participants of a Special Auction and the terms and conditions under which it will be conducted.

e) All liquidations made pursuant to subsection (b) above shall be for the account of the defaulting Member (and all amounts owed PJM in respect thereof shall be included in amounts owed by the defaulting Member as part of its default).

f) Notwithstanding subsections 7.3.9(a) and (b) above, the actual net charges or credits resulting from the defaulting Member's Financial Transmission Rights positions for which PJMSettlement acted as counterparty as calculated through the normal settlement processes shall be included in calculating the Default Allocation Assessment charges as described in Operating Agreement, section 15.2.2.

7.3 Auction Procedures.

7.3.1 Role of the Office of the Interconnection.

Financial Transmission Rights auctions shall be conducted by the Office of the Interconnection in accordance with standards and procedures set forth in the PJM Manuals, such standards and procedures to be consistent with the requirements of this Schedule. PJMSettlement shall be the Counterparty to the purchases and sales of Financial Transmission Rights arising from such auctions, provided however, that PJMSettlement shall not be a contracting party to any subsequent bilateral transfers of Financial Transmission Rights between Market Participants. The conversion of an Auction Revenue Right to a Financial Transmission Right pursuant to this section 7 shall not constitute a purchase or sale transaction to which PJMSettlement is a contracting party. Any Financial Transmission Rights auctions conducted to liquidate a defaulting Member's Financial Transmission Rights portfolio shall be conducted by the Office of the Interconnection in accordance with the procedures set forth in section 7.3.9 below, and as may be further described in the PJM Manuals.

7.3.2 Notice of Offer.

A holder of a Financial Transmission Right wishing to offer the Financial Transmission Right for sale shall notify the Office of the Interconnection of any Financial Transmission Rights to be offered. Each Financial Transmission Right sold in an auction shall, at the end of the period for which the Financial Transmission Rights were auctioned, revert to the offering holder or the entity to which the offering holder has transferred such Financial Transmission Right, subject to the term of the Financial Transmission Right itself and to the right of such holder or transferee to offer the Financial Transmission Right in the next or any subsequent auction during the term of the Financial Transmission Right.

7.3.3 Pending Applications for Firm Service.

(a) [Reserved.]

(b) Financial Transmission Rights may be assigned to entities requesting Network Transmission Service or Firm Point-to-Point Transmission Service pursuant to Operating Agreement, Schedule 1, section 5.2.2 (e), and the parallel provisions of Tariff, Attachment K-Appendix, section 5.2.2(e), only if such Financial Transmission Rights are simultaneously feasible with all outstanding Financial Transmission Rights, including Financial Transmission Rights effective for the then-current auction period. If an assignment of Financial Transmission Rights pursuant to a pending application for Network Transmission Service or Firm Point-to-Point Transmission Service cannot be completed prior to an auction, Financial Transmission Rights attributable to such transmission service shall not be assigned for the then-current auction period. If a Financial Transmission Right cannot be assigned for this reason, the applicant may withdraw its application, or request that the Financial Transmission Right be assigned effective with the start of the next auction period.

7.3.4 On-Peak, Off-Peak and 24-Hour Periods.

On-peak, off-peak and 24-hour FTRs will be offered in the annual and monthly auction. On-Peak Financial Transmission Rights shall cover the periods from 7:00 a.m. up to the hour ending at 11:00 p.m. on Mondays through Fridays, except holidays as defined in the PJM Manuals. Off-Peak Financial Transmission Rights shall cover the periods from 11:00 p.m. up to the hour ending 7:00 a.m. on Mondays through Fridays and all hours on Saturdays, Sundays, and holidays as defined in the PJM Manuals. The 24-hour period shall cover the period from hour ending 1:00 a.m. to the hour ending 12:00 midnight on all days. Each bid shall specify whether it is for an on-peak, off-peak, or 24-hour period.

7.3.5 Offers and Bids.

(a) Offers to sell and bids to purchase Financial Transmission Rights shall be submitted during the period set forth in Operating Agreement, Schedule 1, section 7.1.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.1.2, and shall be in the form specified by the Office of the Interconnection in accordance with the requirements set forth below.

(b) Offers to sell shall identify the specific Financial Transmission Right, by term, megawatt quantity and receipt and delivery points, offered for sale. An offer to sell a specified megawatt quantity of Financial Transmission Rights shall constitute an offer to sell a quantity of Financial Transmission Rights equal to or less than the specified quantity. An offer to sell may not specify a minimum quantity being offered. Each offer may specify a reservation price, below which the offeror does not wish to sell the Financial Transmission Right. Offers submitted by entities holding rights to Financial Transmission Rights shall be subject to such reasonable standards for the verification of the rights of the offeror as may be established by the Office of the Interconnection. Offers shall be subject to such reasonable standards for the creditworthiness of the offeror or for the posting of security for performance as the Office of the Interconnection shall establish.

(c) Bids to purchase shall specify the term, megawatt quantity, price per megawatt, and receipt and delivery points of the Financial Transmission Right that the bidder wishes to purchase. A bid to purchase a specified megawatt quantity of Financial Transmission Rights shall constitute a bid to purchase a quantity of Financial Transmission Rights equal to or less than the specified quantity. A bid to purchase may not specify a minimum quantity that the bidder wishes to purchase. A bid may specify receipt and delivery points in accordance with Operating Agreement, Schedule 1, section 7.2.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.2.2, and may include Financial Transmission Rights for which the associated Transmission Congestion Credits may have negative values. Bids shall be subject to such reasonable standards for the creditworthiness of the bidder or for the posting of security for performance as the Office of the Interconnection shall establish.

(d) Bids and offers shall be specified to the nearest tenth of a megawatt and shall be greater than zero. The Office of the Interconnection may require that a market participant shall not submit in excess of 5000 bids and offers for any single monthly auction, or for any single round of the annual auction, when the Office of the Interconnection determines that such limit is

required to avoid or mitigate significant system performance problems related to bid/offer volume. Notice of the need to impose such limit shall be provided prior to the start of the bidding period if possible. Where such notice is provided after the start of the bidding period, market participants shall be required within one day to reduce their bids and offers for such auction below 5000, and the bidding period in such cases shall be extended by one day.

7.3.6 Determination of Winning Bids and Clearing Price.

(a) At the close of each bidding period, the Office of the Interconnection will create a base Financial Transmission Rights power flow model that includes all outstanding Financial Transmission Rights that have been approved and confirmed for any portion of the month for which the auction was conducted and that were not offered for sale in the auction. The base Financial Transmission Rights model also will include estimated uncompensated parallel flows into each interface point of the PJM Region and estimated scheduled transmission outages.

(b) In accordance with the requirements of Operating Agreement, Schedule 1, section 7.5, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.5, and subject to all applicable transmission constraints and reliability requirements, the Office of the Interconnection shall determine the simultaneous feasibility of all outstanding Financial Transmission Rights not offered for sale in the auction and of all Financial Transmission Rights that could be awarded in the auction for which bids were submitted. The winning bids shall be determined from an appropriate linear programming model that, while respecting transmission constraints and the maximum MW quantities of the bids and offers, selects the set of simultaneously feasible Financial Transmission Rights with the highest net total auction value as determined by the bids of buyers and taking into account the reservation prices of the sellers. In the event that there are two or more identical bids for the selected Financial Transmission Rights and there are insufficient Financial Transmission Rights to accommodate all of the identical bids, then each such bidder will receive a pro rata share of the Financial Transmission Rights that can be awarded.

(c) Financial Transmission Rights shall be sold at the market-clearing price for Financial Transmission Rights between specified pairs of receipt and delivery points, as determined by the bid value of the marginal Financial Transmission Right that could not be awarded because it would not be simultaneously feasible. The linear programming model shall determine the clearing prices of all Financial Transmission Rights paths based on the bid value of the marginal Financial Transmission Rights, which are those Financial Transmission Rights with the highest bid values that could not be awarded fully because they were not simultaneously feasible, and based on the flow sensitivities of each Financial Transmission Rights path relative to the marginal Financial Transmission Rights paths flow sensitivities on the binding transmission constraints. Financial Transmission Rights with a zero clearing price will only be awarded if there is a minimum of one binding constraint in the auction period for which the Financial Transmission Rights path sensitivity is non-zero.

7.3.7 Announcement of Winners and Prices.

Within two (2) Business Days after the close of the bid and offer period for an annual Financial Transmission Rights auction round, and within five (5) Business Days after the close of the bid and offer period for a monthly Financial Transmission Rights auction, the Office of the Interconnection shall post the winning bidders, the megawatt quantity, the term and the receipt and delivery points for each Financial Transmission Right awarded in the auction and the price at which each Financial Transmission Right was awarded unless circumstances beyond PJM's control prevent PJM from meeting the applicable deadline. Under such circumstances, PJM will post the auction results at the earliest possible opportunity. The Office of the Interconnection shall not disclose the price specified in any bid to purchase or the reservation price specified in any offer to sell. If the Office of the Interconnection discovers an error in the results posted for a Financial Transmission Rights auction (or a given round of the annual Financial Transmission Rights auction), the Office of the Interconnection shall notify Market Participants of the error as soon as possible after it is found, but in no event later than 5:00 p.m. of the Business Day following the initial publication of the results of the auction or round of the annual auction. After this initial notification, if the Office of the Interconnection determines that it is necessary to post modified results, it shall provide notification of its intent to do so, together with all available supporting documentation, by no later than 5:00 p.m. of the second Business Day following the initial publication of the results of that auction or round of the annual auction. Thereafter, the Office of the Interconnection must post any corrected results by no later than 5:00 p.m. of the fourth calendar day following the initial publication of the results of the auction or round of the annual auction. Should any of the above deadlines pass without the associated action on the part of the Office of the Interconnection, the originally posted results will be considered final. Notwithstanding the foregoing, the deadlines set forth above shall not apply if the referenced auction results are under publicly noticed review by the FERC.

7.3.8 Auction Settlements.

All buyers and sellers of Financial Transmission Rights between the same points of receipt and delivery shall pay PJMSettlement or be paid by PJMSettlement the market-clearing price, as determined in the auction, for such Financial Transmission Rights.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

- a) The Office of the Interconnection shall unilaterally terminate all of the defaulting Member's rights with respect to forward Financial Transmission Rights positions as of the date of the Member's default.
- b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a)

above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member (“Special Auction”), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member’s entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member’s portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member’s overall Financial Transmission Rights portfolio.

c) The Office of the Interconnection will seek to minimize the losses to PJM Members associated with settling, liquidating or otherwise resolving the defaulting Member’s Financial Transmission Rights portfolio and may base its determination in subsection (b) above on several factors, including but not limited to, the following:

- 1) the Office of the Interconnection’s assessment of which approach will provide the greatest degree of protection to the financial integrity of the PJM Markets;
- 2) the size of the defaulting Member’s Financial Transmission Rights portfolio, both in absolute terms and relative to overall market volume;
- 3) the term of the Financial Transmission Rights positions held by the defaulting Member as considered for a single position or on a portfolio basis;
- 4) whether liquidation is feasible or not, and on what timeline, due to the cessation or curtailment of trading at PJM for all Financial Transmission Rights or a subset of Financial Transmission Rights positions;
- 5) prevailing market conditions, such as but not limited to market liquidity and volatility; and
- 6) timing of the default and the actions taken to address the default.

d) Special Auctions. The Office of the Interconnection shall administer each Special Auction provided for in subsection (b)(2) above according to the procedures set forth in the Tariff and PJM Manuals for FTR auctions to the extent appropriate in the Office of the Interconnection’s sole discretion, and may adopt special rules for each Special Auction to

accommodate the unique circumstances underlying the particular default and particular Financial Transmission Rights positions being liquidated, with the terms and conditions of such auction being determined with the goal of facilitating a successful auction in light of the particular positions to be auctioned, the prevailing market conditions for such open positions (including the depth, scope, and nature of participation in such markets), and such other factors as the Office of the Interconnection determines appropriate, including those factors enumerated in subsection (c) above. The Office of the Interconnection shall provide reasonable advance notice to FTR Participants of a Special Auction and the terms and conditions under which it will be conducted.

e) All liquidations made pursuant to subsection (b) above shall be for the account of the defaulting Member (and all amounts owed PJM in respect thereof shall be included in amounts owed by the defaulting Member as part of its default).

f) Notwithstanding subsections 7.3.9(a) and (b) above, the actual net charges or credits resulting from the defaulting Member's Financial Transmission Rights positions for which PJMSettlement acted as counterparty as calculated through the normal settlement processes shall be included in calculating the Default Allocation Assessment charges as described in Operating Agreement, section 15.2.2.

7.3 Auction Procedures.

7.3.1 Role of the Office of the Interconnection.

Financial Transmission Rights auctions shall be conducted by the Office of the Interconnection in accordance with standards and procedures set forth in the PJM Manuals, such standards and procedures to be consistent with the requirements of this Schedule. PJMSettlement shall be the Counterparty to the purchases and sales of Financial Transmission Rights arising from such auctions, provided however, that PJMSettlement shall not be a contracting party to any subsequent bilateral transfers of Financial Transmission Rights between Market Participants. The conversion of an Auction Revenue Right to a Financial Transmission Right pursuant to this section 7 shall not constitute a purchase or sale transaction to which PJMSettlement is a contracting party. Any Financial Transmission Rights auctions conducted to liquidate a defaulting Member's Financial Transmission Rights portfolio shall be conducted by the Office of the Interconnection in accordance with the procedures set forth in section 7.3.9 below, and as may be further described in the PJM Manuals.

7.3.2 Notice of Offer.

A holder of a Financial Transmission Right wishing to offer the Financial Transmission Right for sale shall notify the Office of the Interconnection of any Financial Transmission Rights to be offered. Each Financial Transmission Right sold in an auction shall, at the end of the period for which the Financial Transmission Rights were auctioned, revert to the offering holder or the entity to which the offering holder has transferred such Financial Transmission Right, subject to the term of the Financial Transmission Right itself and to the right of such holder or transferee to offer the Financial Transmission Right in the next or any subsequent auction during the term of the Financial Transmission Right.

7.3.3 Pending Applications for Firm Service.

(a) [Reserved.]

(b) Financial Transmission Rights may be assigned to entities requesting Network Transmission Service or Firm Point-to-Point Transmission Service pursuant to Operating Agreement, Schedule 1, section 5.2.2 (e), and the parallel provisions of Tariff, Attachment K-Appendix, section 5.2.2(e), only if such Financial Transmission Rights are simultaneously feasible with all outstanding Financial Transmission Rights, including Financial Transmission Rights effective for the then-current auction period. If an assignment of Financial Transmission Rights pursuant to a pending application for Network Transmission Service or Firm Point-to-Point Transmission Service cannot be completed prior to an auction, Financial Transmission Rights attributable to such transmission service shall not be assigned for the then-current auction period. If a Financial Transmission Right cannot be assigned for this reason, the applicant may withdraw its application, or request that the Financial Transmission Right be assigned effective with the start of the next auction period.

7.3.4 On-Peak, Off-Peak and 24-Hour Periods.

On-peak, off-peak and 24-hour FTRs will be offered in the annual and monthly auction. On-Peak Financial Transmission Rights shall cover the periods from 7:00 a.m. up to the hour ending at 11:00 p.m. on Mondays through Fridays, except holidays as defined in the PJM Manuals. Off-Peak Financial Transmission Rights shall cover the periods from 11:00 p.m. up to the hour ending 7:00 a.m. on Mondays through Fridays and all hours on Saturdays, Sundays, and holidays as defined in the PJM Manuals. The 24-hour period shall cover the period from hour ending 1:00 a.m. to the hour ending 12:00 midnight on all days. Each bid shall specify whether it is for an on-peak, off-peak, or 24-hour period.

7.3.5 Offers and Bids.

(a) Offers to sell and bids to purchase Financial Transmission Rights shall be submitted during the period set forth in Operating Agreement, Schedule 1, section 7.1.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.1.2, and shall be in the form specified by the Office of the Interconnection in accordance with the requirements set forth below.

(b) Offers to sell shall identify the specific Financial Transmission Right, by term, megawatt quantity and receipt and delivery points, offered for sale. An offer to sell a specified megawatt quantity of Financial Transmission Rights shall constitute an offer to sell a quantity of Financial Transmission Rights equal to or less than the specified quantity. An offer to sell may not specify a minimum quantity being offered. Each offer may specify a reservation price, below which the offeror does not wish to sell the Financial Transmission Right. Offers submitted by entities holding rights to Financial Transmission Rights shall be subject to such reasonable standards for the verification of the rights of the offeror as may be established by the Office of the Interconnection. Offers shall be subject to such reasonable standards for the creditworthiness of the offeror or for the posting of security for performance as the Office of the Interconnection shall establish.

(c) Bids to purchase shall specify the term, megawatt quantity, price per megawatt, and receipt and delivery points of the Financial Transmission Right that the bidder wishes to purchase. A bid to purchase a specified megawatt quantity of Financial Transmission Rights shall constitute a bid to purchase a quantity of Financial Transmission Rights equal to or less than the specified quantity. A bid to purchase may not specify a minimum quantity that the bidder wishes to purchase. A bid may specify receipt and delivery points in accordance with Operating Agreement, Schedule 1, section 7.2.2, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.2.2, and may include Financial Transmission Rights for which the associated Transmission Congestion Credits may have negative values. Bids shall be subject to such reasonable standards for the creditworthiness of the bidder or for the posting of security for performance as the Office of the Interconnection shall establish.

(d) Bids and offers shall be specified to the nearest tenth of a megawatt and shall be greater than zero. The Office of the Interconnection may require that a market participant shall not submit in excess of 5000 bids and offers for any single monthly auction, or for any single round of the annual auction, when the Office of the Interconnection determines that such limit is required to avoid or mitigate significant system performance problems related to bid/offer

volume. Notice of the need to impose such limit shall be provided prior to the start of the bidding period if possible. Where such notice is provided after the start of the bidding period, market participants shall be required within one day to reduce their bids and offers for such auction below 5000, and the bidding period in such cases shall be extended by one day.

7.3.6 Determination of Winning Bids and Clearing Price.

- (a) At the close of each bidding period, the Office of the Interconnection will create a base Financial Transmission Rights power flow model that includes all outstanding Financial Transmission Rights that have been approved and confirmed for any portion of the month for which the auction was conducted and that were not offered for sale in the auction. The base Financial Transmission Rights model also will include estimated uncompensated parallel flows into each interface point of the PJM Region and estimated scheduled transmission outages.
- (b) In accordance with the requirements of Operating Agreement, Schedule 1, section 7.5, and the parallel provisions of Tariff, Attachment K-Appendix, section 7.5, and subject to all applicable transmission constraints and reliability requirements, the Office of the Interconnection shall determine the simultaneous feasibility of all outstanding Financial Transmission Rights not offered for sale in the auction and of all Financial Transmission Rights that could be awarded in the auction for which bids were submitted. The winning bids shall be determined from an appropriate linear programming model that, while respecting transmission constraints and the maximum MW quantities of the bids and offers, selects the set of simultaneously feasible Financial Transmission Rights with the highest net total auction value as determined by the bids of buyers and taking into account the reservation prices of the sellers. In the event that there are two or more identical bids for the selected Financial Transmission Rights and there are insufficient Financial Transmission Rights to accommodate all of the identical bids, then each such bidder will receive a pro rata share of the Financial Transmission Rights that can be awarded.
- (c) Financial Transmission Rights shall be sold at the market-clearing price for Financial Transmission Rights between specified pairs of receipt and delivery points, as determined by the bid value of the marginal Financial Transmission Right that could not be awarded because it would not be simultaneously feasible. The linear programming model shall determine the clearing prices of all Financial Transmission Rights paths based on the bid value of the marginal Financial Transmission Rights, which are those Financial Transmission Rights with the highest bid values that could not be awarded fully because they were not simultaneously feasible, and based on the flow sensitivities of each Financial Transmission Rights path relative to the marginal Financial Transmission Rights paths flow sensitivities on the binding transmission constraints. Financial Transmission Rights with a zero clearing price will only be awarded if there is a minimum of one binding constraint in the auction period for which the Financial Transmission Rights path sensitivity is non-zero.

7.3.7 Announcement of Winners and Prices.

Within two (2) Business Days after the close of the bid and offer period for an annual Financial Transmission Rights auction round, and within five (5) Business Days after the close of the bid

and offer period for a monthly Financial Transmission Rights auction, the Office of the Interconnection shall post the winning bidders, the megawatt quantity, the term and the receipt and delivery points for each Financial Transmission Right awarded in the auction and the price at which each Financial Transmission Right was awarded unless circumstances beyond PJM's control prevent PJM from meeting the applicable deadline. Under such circumstances, PJM will post the auction results at the earliest possible opportunity. The Office of the Interconnection shall not disclose the price specified in any bid to purchase or the reservation price specified in any offer to sell. If the Office of the Interconnection discovers an error in the results posted for a Financial Transmission Rights auction (or a given round of the annual Financial Transmission Rights auction), the Office of the Interconnection shall notify Market Participants of the error as soon as possible after it is found, but in no event later than 5:00 p.m. of the Business Day following the initial publication of the results of the auction or round of the annual auction. After this initial notification, if the Office of the Interconnection determines that it is necessary to post modified results, it shall provide notification of its intent to do so, together with all available supporting documentation, by no later than 5:00 p.m. of the second Business Day following the initial publication of the results of that auction or round of the annual auction. Thereafter, the Office of the Interconnection must post any corrected results by no later than 5:00 p.m. of the fourth calendar day following the initial publication of the results of the auction or round of the annual auction. Should any of the above deadlines pass without the associated action on the part of the Office of the Interconnection, the originally posted results will be considered final. Notwithstanding the foregoing, the deadlines set forth above shall not apply if the referenced auction results are under publicly noticed review by the FERC.

7.3.8 Auction Settlements.

All buyers and sellers of Financial Transmission Rights between the same points of receipt and delivery shall pay PJM Settlement or be paid by PJM Settlement the market-clearing price, as determined in the auction, for such Financial Transmission Rights.

7.3.9 Addressing Defaulting Member's Financial Transmission Rights.

In the event a Member fails to meet creditworthiness requirements or make timely payments when due pursuant to the Operating Agreement or Tariff, the Office of the Interconnection shall, as soon as practicable after declaring the Member to be in default as provided in Operating Agreement, section 15.1.5, use reasonable efforts to initiate within two applicable auctions the following procedures to settle, liquidate or otherwise resolve each Financial Transmission Rights position held by the defaulting Member:

- a) The Office of the Interconnection shall unilaterally terminate all of the defaulting Member's rights with respect to forward Financial Transmission Rights positions as of the date of the Member's default.
- b) As to each Financial Transmission Rights position held by the defaulting Member immediately prior to the termination of the defaulting Member's rights under subsection (a) above, the Office of the Interconnection shall determine and execute an appropriate course of action for addressing such Financial Transmission Rights position, based on the specific

circumstances of the default as determined by the Office of the Interconnection in exercise of its reasonable judgment, such as (1) liquidating the position by offering it for sale in an upcoming applicable Financial Transmission Rights auction, (2) liquidating the position by offering it for sale in an auction called and scheduled for the specific purpose of liquidating one or more positions held by the defaulting Member (“Special Auction”), (3) allowing the position to go to settlement, or (4) another course of action the Office of the Interconnection determines to be appropriate under the circumstances that is designed to minimize potential losses to PJM Members. The Office of the Interconnection will provide reasonable advance notice to PJM Members of the approach or course of action it has determined to be appropriate prior to implementing that approach or course of action. The Office of the Interconnection is not required to apply a single approach to the defaulting Member’s entire Financial Transmission Rights portfolio, and may determine that the appropriate course of action for addressing a defaulting Member’s portfolio includes a combination of the above approaches as applied to different positions within the defaulting Member’s overall Financial Transmission Rights portfolio.

c) The Office of the Interconnection will seek to minimize the losses to PJM Members associated with settling, liquidating or otherwise resolving the defaulting Member’s Financial Transmission Rights portfolio and may base its determination in subsection (b) above on several factors, including but not limited to, the following:

- 1) the Office of the Interconnection’s assessment of which approach will provide the greatest degree of protection to the financial integrity of the PJM Markets;
- 2) the size of the defaulting Member’s Financial Transmission Rights portfolio, both in absolute terms and relative to overall market volume;
- 3) the term of the Financial Transmission Rights positions held by the defaulting Member as considered for a single position or on a portfolio basis;
- 4) whether liquidation is feasible or not, and on what timeline, due to the cessation or curtailment of trading at PJM for all Financial Transmission Rights or a subset of Financial Transmission Rights positions;
- 5) prevailing market conditions, such as but not limited to market liquidity and volatility; and
- 6) timing of the default and the actions taken to address the default.

d) Special Auctions. The Office of the Interconnection shall administer each Special Auction provided for in subsection (b)(2) above according to the procedures set forth in the Tariff and PJM Manuals for FTR auctions to the extent appropriate in the Office of the Interconnection’s sole discretion, and may adopt special rules for each Special Auction to accommodate the unique circumstances underlying the particular default and particular Financial Transmission Rights positions being liquidated, with the terms and conditions of such auction

being determined with the goal of facilitating a successful auction in light of the particular positions to be auctioned, the prevailing market conditions for such open positions (including the depth, scope, and nature of participation in such markets), and such other factors as the Office of the Interconnection determines appropriate, including those factors enumerated in subsection (c) above. The Office of the Interconnection shall provide reasonable advance notice to FTR Participants of a Special Auction and the terms and conditions under which it will be conducted.

e) All liquidations made pursuant to subsection (b) above shall be for the account of the defaulting Member (and all amounts owed PJM in respect thereof shall be included in amounts owed by the defaulting Member as part of its default).

f) Notwithstanding subsections 7.3.9(a) and (b) above, the actual net charges or credits resulting from the defaulting Member's Financial Transmission Rights positions for which PJMSettlement acted as counterparty as calculated through the normal settlement processes shall be included in calculating the Default Allocation Assessment charges as described in Operating Agreement, section 15.2.2.