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September 29, 2023

The Honorable Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E. Room 1A
Washington, D.C. 20426

Re: *PJM Interconnection L.L.C., Docket No. ER22-2359-00*
*3rd Compliance Filing and Errata to PJM's July 18, 2023 Compliance Filing*¹

Dear Secretary Bose,

In further compliance with the Commission's May 18, 2023 Order on Compliance ("Order on Compliance Filing")² in this docket, PJM Interconnection, L.L.C. ("PJM") submits (i) a 3rd Compliance Filing to the Commission's Order on Compliance Filing; and (ii) an *errata* ("Errata Filing") to its July 18 Compliance Filing submitted in compliance with the May 18 Order on Compliance Filing. This 3rd Compliance Filing addresses a limited substantive issue specifying delineation of the roles and responsibilities between PJM and the PJM Transmission Owners. Additionally, PJM submits this Errata Filing to propose ministerial changes to its July 18 Compliance Filing to: (i) resolve an inconsistency regarding capitalization of a non-defined term; and (ii) correct the Attachment W tariff record to reflect language inadvertently omitted from the Attachment W tariff records filed on July 18, 2023.

I. BACKGROUND

In Order Nos. 881 and 881-A (collectively referred to herein as "Order No. 881" or "Final Rule"), the Commission found that, because of the relationship between transmission line ratings

¹ *PJM Interconnection, L.L.C., Compliance Filing, Docket No. ER22-2359-001 (July 18, 2023) ("July 18 Compliance Filing")*.

² *PJM Interconnection, L.L.C., 183 FERC ¶ 61,117 (issued May 18, 2023) ("Order on Compliance Filing")*.

and wholesale rates, inaccurate transmission line ratings cause the rates for the transmission of electric energy in interstate commerce and the sale of electric energy at wholesale in interstate commerce to be unjust and unreasonable.³ In order to ensure just and reasonable wholesale rates that more accurately reflect the costs of the wholesale service provided, the Commission adopted reforms that imposed certain obligations on transmission providers and public utility transmission owners related to transmission line ratings.⁴

In its Order on Compliance Filing, the Commission found that PJM's July 12, 2022 filing ("July 12, 2022 Compliance Filing") was partially compliant with the Commission's Order No. 881 requirements, and as such, accepted PJM's filing, subject to further compliance.⁵ Specifically, the Commission directed PJM to file: (1) an explanation of PJM's timeline for notifying the Commission of the precise effective date of its Tariff revisions;⁶ (2) proposed tariff revisions to include consideration for the technical limitations of the transmission system (such as system voltage or stability limits) in the definition(s) and to require that line ratings based on such technical limitations be determined in accordance with a written line rating methodology consistent with good utility practice, or explain why PJM should not be required to do so;⁷ (3) proposed tariff revisions, or, in the alternative, a compliance filing that identifies existing tariff provisions that specify PJM will use updated Ambient-Adjusted Ratings ("AARs") as part of any

³ Order No. 881, 177 FERC ¶ 61, 179 at PP 3, 29-30 ("Order No. 881") and Order No. 881-A, 179 FERC ¶ 61, 125 at PP 4 ("Order No. 881-A").

⁴ Order No. 881, 177 FERC ¶ 61,179 at PP 3, 29-30.

⁵ Order on Compliance Filing at PP 1.

⁶ May 18 Order on Compliance Filing at P 10.

⁷ Order on Compliance Filing at P 15.

market process associated with the Day-ahead and Real-time Energy Markets;⁸ (4) an explanation of the timelines for calculating or submitting (AARs) to be filed no later than November 12, 2024 (the “November 2024 Compliance Filing”);⁹ (5) a proposed methodology for AAR implementation that delineates the expected roles between Transmission Owners and PJM¹⁰; and (6) proposed Tariff revisions stating that PJM will share ratings and methodologies with all transmission providers.¹¹ On July 18, 2023, PJM submitted its Compliance Filing addressing all issues raised in FERC’s Order on Compliance Filing, with the exception of the directive to delineate the roles and responsibilities between PJM and the PJM Transmission Owners, which is reserved for PJM’s instant filing.

II. DESCRIPTION OF PJM TARIFF REVISION

A. Delineation of Roles between PJM and Transmission Owners

PJM and the PJM Transmission Owners have worked diligently to clarify the delineation of their respective roles and responsibilities regarding Transmission Facility Ratings. In furtherance of this effort, the Transmission Owners will file revisions to the Consolidated Transmission Owners Agreement, Rate Schedule No. 42, Article 4.11 today, to clarify this delineation of roles and responsibilities.¹² To reflect the relationship between Tariff, Attachment W and the revised

⁸ Order on Compliance Filing at P 22.

⁹ Order on Compliance Filing at P 30.

¹⁰ Order on Compliance Filing at P 39. In its June 21 Notice, the Commission granted PJM’s request for an extension of time to September 29, 2023 to comply with this one directive related to delineation of roles and responsibilities no later than September 29, 2023. *See PJM Interconnection, L.L.C.*, Notice Granting Extension of Time, Docket No. ER22-2359-000 (issued July 21, 2023).

¹¹ Order on Compliance Filing at P 53.

¹² *PJM Interconnection, L.L.C.*, Compliance Filing, Docket No. ER22-2359-000 (July 12, 2022) (“July 12 Compliance Filing”) at 6.

Consolidated Transmission Owners Agreement provisions relating to Transmission Facility Ratings, and to further clarify in Attachment W these roles and responsibilities, PJM proposes on compliance an additional revision to Attachment W:

As required by the Consolidated Transmission Owners Agreement, each Transmission Owner provides PJM with its respective Transmission Facility Ratings and PJM reviews and implements the applicable Transmission Facility Rating(s) consistent with this Tariff, Attachment W and the Consolidated Transmission Owners Agreement.

Thus, as required under Order No. 881, this proposed language not only reflects the requirement that the determination of Transmission Facility Ratings methodologies and the calculation of such ratings is a responsibility that belongs to the Transmission Owners, it also describes the “mechanism,” i.e., the Transmission Owners’ Consolidated Transmission Owners Agreement, through which the Transmission Owners are obligated to make and communicate to PJM the timely calculations and determinations related to Transmission Facility Ratings.¹³ This proposed language expressly directs the reader to review the Consolidated Transmission Owners Agreement (in addition to Attachment W) for necessary guidance relating to Transmission Facility Ratings.

B. Correction of a Minor Capitalization Issue

In its Order on Compliance Filing, the Commission found that PJM did not sufficiently demonstrate that its proposed definition for Thermal Transmission Facility Rating was consistent with or superior to the Commission’s definition of Transmission Line Rating, as established in Order No. 881.¹⁴ As background, in its July 12, 2022 filing, PJM proposed to modify the *pro*

¹³ Order No. 881 at P 141.

¹⁴ Order on Compliance Filing at P 15.

forma Tariff, Attachment M definition as follows:

“Thermal Transmission Line Facility Rating” means the maximum transfer capability of a ~~Transmission Line Facility~~, computed in accordance with a written Thermal Transmission Line Facility Rating methodology and consistent with Good Utility Practice, considering the technical limitations on conductors and relevant transmission equipment (~~such as thermal flow limits~~), ~~as well as technical limitations of the Transmission System (such as system voltage and stability limits)~~. Relevant transmission equipment may include, but is not limited to, circuit breakers, line traps, and transformers.

While the Commission agreed that PJM’s proposed definition captured the technical limitations on conductors and relevant transmission equipment, it disagreed with PJM’s exclusion of the portion of the definition related to technical limitations of the Transmission System, including system voltage and stability-limited lines.

Accordingly, in its Order on Compliance Filing, the Commission directed PJM to submit on further compliance proposed Tariff revisions to include consideration for the technical limitations of the Transmission System (such as system voltage or stability limits) in its definition(s) and to require that line ratings based on such technical limitations be determined in accordance with a written line rating methodology and consistent with good utility practice, or to explain why it should not be required to do so.¹⁵ In compliance with this directive, PJM’s July 18 Compliance Filing proposed a definition for Transmission Facility Rating in addition to language around the practice of “Temporary Conditional” Transmission Facility Ratings related to System Reliability. PJM is filing language to decapitalize “temporary conditional” because it is not a defined term and was inadvertently capitalized in the July 18 Compliance Filing.

Use of a ~~Temporary Conditional~~ temporary conditional Thermal

¹⁵ Order on Compliance Filing at P 15.

Transmission Facility Ratings to Ensure the Safety and Reliability of the Transmission System (System Reliability):

If the Office of the Interconnection or Transmission Owner reasonably determines, consistent with Good Utility Practice, that the temporary conditional use of a ~~Thermal~~ Transmission Facility Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, including the application of a surrogate rating override to the Transmission Facility Rating representing an equivalent voltage or stability limit, such as, but not exclusive to, that which is identified in Tariff, Attachment C, then the Office of the Interconnection or Transmission Owner may use such a temporary conditional rating. The entity that makes this determination must document in the Office of the Interconnection's database of ~~Thermal~~ Transmission Facility Ratings and ~~Thermal~~ Transmission Facility Rating methodologies on OASIS or another password-protected website, as required by this Attachment, the use of an alternate ~~Thermal~~ Transmission Facility Rating under this paragraph, including the nature of and basis for the temporary conditional rating, the date and time that the alternate rating was initiated, and (if applicable) the date and time that the alternate rating was withdrawn and the standard rating became effective again.

PJM requests to correct this capitalization error to avoid unnecessary confusion as “temporary conditional” is a descriptor and is not a defined term in PJM’s governing documents. The correction of this capitalization is memorialized in the redlined and clean format versions of the Tariff attachments submitted today.

C. Minor Inadvertent Omission from Attachment W Tariff Sheets

PJM also corrects Attachment W language that was inadvertently omitted from the Attachment W tariff sheets but was reflected in the July 2023 transmittal letter. Specifically, the following Attachment W language was inadvertently omitted and is being included in today’s filing for the reasons set forth in the July 18 Compliance Filing:¹⁶

Use of a Temporary Conditional ~~Thermal~~ Transmission Facility Ratings to Ensure the Safety and Reliability of the Transmission System (System Reliability):

¹⁶ July 18 Compliance Filing at P 7-9.

If the Office of the Interconnection or Transmission Owner reasonably determines, consistent with Good Utility Practice, that the temporary conditional use of a ~~Thermal~~ Transmission Facility Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, including the application of a surrogate rating override to the Transmission Facility Rating representing an equivalent voltage or stability limit, such as, but not exclusive to, that which is identified in Tariff, Attachment C, then the Office of the Interconnection or Transmission Owner may use such a temporary conditional rating. The entity that makes this determination must document in the Office of the Interconnection's database of ~~Thermal~~ Transmission Facility Ratings and ~~Thermal~~ Transmission Facility Rating methodologies on OASIS or another password-protected website, as required by this Attachment, the use of an alternate ~~Thermal~~ Transmission Facility Rating under this paragraph, including the nature of and basis for the temporary conditional rating, the date and time that the alternate rating was initiated, and (if applicable) the date and time that the alternate rating was withdrawn and the standard rating became effective again.

...

AAR Exceptions:

Where the Transmission Owner determines, consistent with Good Utility Practice, that the ~~Thermal~~ Transmission Facility Rating of a Transmission Facility is not affected by ambient air temperature or solar heating, the Office of the Interconnection and Transmission Owner may use a ~~Thermal~~ Transmission Facility Rating for that Transmission Facility that is not an AAR or Seasonal Transmission Facility Rating, including consideration for the technical limitations of the transmission system (such as system voltage or stability limits). . . .

Accordingly, the tariff sheets submitted via eTariff in the July 18 Compliance Filing are being revised to include the aforementioned language.

III. EFFECTIVE DATE

As stated in PJM's July 18 Compliance Filing, PJM will submit an additional compliance filing in November 2024 notifying the Commission of a precise effective date for the Tariff revisions. All Final Rule requirements shall be fully implemented no later than July 12, 2025, three years from the date of PJM's July 12, 2022 Compliance Filing.¹⁷

IV. COMMUNICATIONS

PJM requests that all communications regarding this filing be directed to the following persons:

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VI. DOCUMENTS INCLUDED WITH THIS FILING

In accordance with the requirements of Order No. 714¹⁸ and the Commission's eTariff regulations, PJM hereby submits an eTariff XML filing package consisting of the following materials:

1. This transmittal letter;

¹⁷ Order No. 881 at P 12.

¹⁸ *Electronic Tariff Filings*, 124 FERC ¶ 61,270 (2008).

2. Attachment A – Revisions to the Tariff, in marked/redlined format; and
3. Attachment B – Revisions to the Tariff, in clean format.

VIII. CONCLUSION

In accordance with the foregoing, PJM respectfully requests that the Commission accept the proposed revisions to the PJM Tariff, as discussed herein.

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Respectfully submitted,

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On behalf of PJM Interconnection, L.L.C.

Attachment A

Revisions to the PJM Open Access Transmission Tariff

(Marked / Redline Format)

ATTACHMENT W

~~Thermal~~ Transmission Facility Ratings

GENERAL

The Office of the Interconnection and the Transmission Owners will implement ~~Thermal~~ Transmission Facility Ratings on the Transmission Facilities over which the Office of the Interconnection provides Transmission Service, as provided below.

As required by the Consolidated Transmission Owners Agreement, each Transmission Owner provides PJM with its respective Transmission Facility Ratings and PJM reviews and implements the applicable Transmission Facility Rating(s) consistent with this Tariff, Attachment W and the Consolidated Transmission Owners Agreement.

Definitions:

The following definitions apply for purposes of this Attachment:

- ~~(1) “Thermal Transmission Facility Rating” means the maximum transfer capability of a Transmission Facility, computed in accordance with a written Thermal Transmission Facility Rating methodology and consistent with Good Utility Practice, considering the technical limitations on conductors and relevant transmission equipment. Relevant transmission equipment may include, but is not limited to, circuit breakers, line traps, and transformers.~~
- ~~(2) “Ambient Adjusted Rating” (AAR) means a Thermal Transmission Facility Rating that:~~
 - ~~(a) Applies to a time period of not greater than one hour.~~
 - ~~(b) Reflects an up-to-date forecast of ambient air temperature across the time period to which the rating applies.—~~
 - ~~(c) Reflects the absence of solar heating during nighttime periods, where the local sunrise/sunset times used to determine daytime and nighttime periods are updated at least monthly, if not more frequently.~~
 - ~~(d) Is evaluated at least each hour, if not more frequently.—~~
- ~~(3) “Seasonal Facility Rating” means a Thermal Transmission Facility Rating that:~~
 - ~~(a) Applies to a specified season, where seasons are defined by the Office of the Interconnection to include not fewer than four seasons in each~~

~~year, and to reasonably reflect portions of the year where expected high temperatures are relatively consistent.~~

~~(b) Reflects an up-to-date forecast of ambient air temperature across the relevant season over which the rating applies.~~

~~(c) Is evaluated annually, if not more frequently, for each season in the future for which Transmission Service can be requested.~~

~~(4) “Near Term Transmission Service” means Transmission Service which ends not more than 10 days after the Transmission Service request date. When the description of obligations below refers to either a request for information about the availability of potential Transmission Service (including, but not limited to, a request for ATC), or to the posting of ATC or other information related to potential service, the date that the information is requested or posted will serve as the Transmission Service request date. “Near Term Transmission Service” includes any Point To-Point Transmission Service and Network Integration Transmission Service where the start and end date of the designation or request is within the next 10 days.~~

~~(5) “Emergency Rating” means a Thermal Transmission Facility Rating that reflects operation for a specified, finite period, rather than reflecting continuous operation. An Emergency Rating may assume an acceptable loss of equipment life or other physical or safety limitations for the equipment involved.~~

Use of a ~~Temporary Conditional~~ temporary conditional ~~Thermal~~ Transmission Facility Ratings to Ensure the Safety and Reliability of the Transmission System (System Reliability):

If the Office of the Interconnection or Transmission Owner reasonably determines, consistent with Good Utility Practice, that the temporary conditional use of a ~~Thermal~~ Transmission Facility Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, including the application of a surrogate rating override to the Transmission Facility Rating representing an equivalent voltage or stability limit, such as, but not exclusive to, that which is identified in Tariff, Attachment C, then the Office of the Interconnection or Transmission Owner may use such a temporary conditional rating. ~~The~~ entity that makes this determination must document in the Office of the Interconnection’s database of ~~Thermal~~ Transmission Facility Ratings and ~~Thermal~~ Transmission Facility Rating methodologies on OASIS or another password-protected website, as required by this Attachment, the use of an alternate ~~Thermal~~ Transmission Facility Rating under this paragraph, including the nature of and basis for the temporary conditional rating, the date and time that the alternate rating was initiated, and (if applicable) the date and time that the alternate rating was withdrawn and the standard rating became effective again.

Obligations of the Office of the Interconnection:

The Office of the Interconnection will have the following obligations:

The Office of the Interconnection must use AARs, or AAR Exceptions where appropriate, as the relevant ~~Thermal~~ Transmission Facility Ratings when performing any of the following functions: (1) evaluating requests for Near-Term Transmission Service; (2) responding to requests for information on the availability of potential Near-Term Transmission Service (including requests for ATC or other information related to potential service); or (3) posting ATC or other information related to Near-Term Transmission Service to the Office of the Interconnection's OASIS site or another password-protected website.

The Office of the Interconnection must use AARs, or AAR Exceptions where appropriate, as the relevant ~~Thermal~~ Transmission Facility Ratings when determining whether to curtail (Tariff, Part II, section 13.6) Firm Point-To-Point Transmission Service or when determining whether to curtail and/or interrupt (Tariff, Part II, section 14.7) Non-Firm Point-To-Point Transmission Service if such curtailment and/or interruption is both necessary because of issues related to flow limits on Transmission Facilities and anticipated to occur (start and end) within 10 days of such determination. For determining whether to curtail or interrupt Point-To-Point Transmission Service in other situations, the Office of the Interconnection must use Seasonal Facility Ratings as the relevant ~~Thermal~~ Transmission Facility Ratings.

The Office of the Interconnection must use AARs, or AAR Exceptions where appropriate, as the relevant ~~Thermal~~ Transmission Facility Ratings when determining whether to curtail (Tariff, Part III, section 33) or redispatch (Tariff, Part III, section 30.5 and/or Tariff, Part III, section 33) Network Integration Transmission Service or secondary service if such curtailment or redispatch is both necessary because of issues related to flow limits on Transmission Facilities and anticipated to occur (start and end) within 10 days of such determination. For determining the necessity of curtailment or redispatch of Network Integration Transmission Service or secondary service in other situations, the Office of the Interconnection must use Seasonal Facility Ratings as the relevant ~~Thermal~~ Transmission Facility Ratings.

The Office of the Interconnection must use Seasonal Facility Ratings as the relevant ~~Thermal~~ Transmission Facility Ratings when evaluating requests for and whether to curtail, interrupt, or redispatch any Transmission Service not otherwise covered above in this section (including, but not limited to, requests for non-Near-Term Transmission Service or requests to designate or change the designation of Network Resources or Network Load), when developing any ATC or other information posted or provided to potential customers related to such services. The Office of the Interconnection must use Seasonal Facility Ratings as a recourse rating in the event that an AAR otherwise required to be used under this Attachment is unavailable.

The Office of the Interconnection must use uniquely determined Emergency Ratings for contingency analysis in the operations horizon and in post-contingency simulations of constraints. Such uniquely determined Emergency Ratings must also include separate AAR for each Emergency Rating duration used.

Any forecasts of ambient air temperature for AARs and Seasonal Facility Ratings developed by the Office of the Interconnection or the Transmission Owner must be developed consistent with Good Utility Practice and on a non-discriminatory basis.

Postings to the Office of the Interconnection's OASIS or another password-protected website: The Office of the Interconnection must maintain on the password-protected section of its OASIS page or on another password-protected website a database of ~~Thermal~~-Transmission Facility Ratings and ~~Thermal~~-Transmission Facility Rating methodologies. This database must be accessible to the Market Monitoring Unit. The database must include a full record of all ~~Thermal~~-Transmission Facility Ratings, both as used in real-time operations, and as used for all future periods for which Transmission Service is offered. Any postings of temporary alternate ~~Thermal~~-Transmission Facility Ratings or exceptions used under the System Reliability section above or the Exceptions section below, respectively, are considered part of the database. The database must include records of which ~~Thermal~~-Transmission Facility Ratings and ~~Thermal~~-Transmission Facility Rating methodologies were in effect at which times over at least the previous five years, including records of which temporary alternate ~~Thermal~~-Transmission Facility Ratings or exceptions were in effect at which times during the previous five years. Each record in the database must indicate which Transmission Facility the record applies to, and the date and time the record was entered into the database. The database must be maintained such that users with OASIS access or access to the password-protected website can view, download, and query data in standard formats, using standard protocols.

Sharing with ~~other Commission Approved Regional Transmission Organizations or Independent System Operators~~ Transmission Providers: The Office of the Interconnection must share, upon request ~~from another Commission approved Regional Transmission Organization or Independent System Operator by any Transmission Provider~~ and in a timely manner, the following information:

- (1) ~~Thermal~~-Transmission Facility Ratings for each period for which ~~Thermal~~-Transmission Facility Ratings are evaluated, with updated ratings shared each time ~~Thermal~~-Transmission Facility Ratings are evaluated, and
- (2) Written Transmission ~~Owner Thermal Transmission~~-Facility Rating methodologies used in arriving at the ~~Thermal~~-Transmission Facility Ratings in (1) above.

AAR Exceptions:

Where the Transmission Owner determines, consistent with Good Utility Practice, that the ~~Thermal~~-Transmission Facility Rating of a Transmission Facility is not affected by

ambient air temperature or solar heating, the Office of the Interconnection and Transmission Owner may use a ~~Thermal~~ Transmission Facility Rating for that Transmission Facility that is not an AAR or Seasonal Transmission Facility Rating, including consideration for the technical limitations of the transmission system (such as system voltage or stability limits). Examples of such a Transmission Facility may include (but are not limited to): (1) a Transmission Facility for which the technical transfer capability of the limiting conductors and/or limiting transmission equipment is not dependent on ambient air temperature or solar heating; or (2) a Transmission Facility whose transfer capability is limited by a Transmission System limit (such as a system voltage or stability limit) which is not dependent on ambient air temperature or solar heating. The entity that makes this determination must document in the Office of the Interconnection's database of ~~Thermal~~ Transmission Facility Ratings and ~~Thermal~~ Transmission Facility Rating methodologies on OASIS or another password-protected website any exceptions to the requirements contained in this Attachment initiated under this paragraph, including the nature of and basis for each exception, the date(s) and time(s) that the exception was initiated, and (if applicable) the date(s) and time(s) that each exception was withdrawn and the standard rating became effective again. If the technical basis for an exception under this paragraph changes, then the Transmission Owner must update the relevant ~~Thermal~~ Transmission Facility Rating(s) in a timely manner. The Transmission Owner must reevaluate any exceptions taken under this paragraph at least every five years.

Attachment B

Revisions to the PJM Open Access Transmission Tariff

(Clean Format)

ATTACHMENT W

Transmission Facility Ratings

GENERAL

The Office of the Interconnection and the Transmission Owners will implement Transmission Facility Ratings on the Transmission Facilities over which the Office of the Interconnection provides Transmission Service, as provided below.

As required by the Consolidated Transmission Owners Agreement, each Transmission Owner provides PJM with its respective Transmission Facility Ratings and PJM reviews and implements the applicable Transmission Facility Rating(s) consistent with this Tariff, Attachment W and the Consolidated Transmission Owners Agreement.

Use of temporary conditional Transmission Facility Ratings to Ensure the Safety and Reliability of the Transmission System (System Reliability):

If the Office of the Interconnection or Transmission Owner reasonably determines, consistent with Good Utility Practice, that the temporary conditional use of a Transmission Facility Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, including the application of a surrogate rating override to the Transmission Facility Rating representing an equivalent voltage or stability limit, such as, but not exclusive to, that which is identified in Tariff, Attachment C, then the Office of the Interconnection or Transmission Owner may use such a temporary conditional rating. The entity that makes this determination must document in the Office of the Interconnection's database of Transmission Facility Ratings and Transmission Facility Rating methodologies on OASIS or another password-protected website, as required by this Attachment, the use of an alternate Transmission Facility Rating under this paragraph, including the nature of and basis for the temporary conditional rating, the date and time that the alternate rating was initiated, and (if applicable) the date and time that the alternate rating was withdrawn and the standard rating became effective again.

Obligations of the Office of the Interconnection:

The Office of the Interconnection will have the following obligations:

The Office of the Interconnection must use AARs, or AAR Exceptions where appropriate, as the relevant Transmission Facility Ratings when performing any of the following functions: (1) evaluating requests for Near-Term Transmission Service; (2) responding to requests for information on the availability of potential Near-Term Transmission Service (including requests for ATC or other information related to potential service); or (3) posting ATC or other information related to Near-Term

Transmission Service to the Office of the Interconnection's OASIS site or another password-protected website.

The Office of the Interconnection must use AARs, or AAR Exceptions where appropriate, as the relevant Transmission Facility Ratings when determining whether to curtail (Tariff, Part II, section 13.6) Firm Point-To-Point Transmission Service or when determining whether to curtail and/or interrupt (Tariff, Part II, section 14.7) Non-Firm Point-To-Point Transmission Service if such curtailment and/or interruption is both necessary because of issues related to flow limits on Transmission Facilities and anticipated to occur (start and end) within 10 days of such determination. For determining whether to curtail or interrupt Point-To-Point Transmission Service in other situations, the Office of the Interconnection must use Seasonal Facility Ratings as the relevant Transmission Facility Ratings.

The Office of the Interconnection must use AARs, or AAR Exceptions where appropriate, as the relevant Transmission Facility Ratings when determining whether to curtail (Tariff, Part III, section 33) or redispatch (Tariff, Part III, section 30.5 and/or Tariff, Part III, section 33) Network Integration Transmission Service or secondary service if such curtailment or redispatch is both necessary because of issues related to flow limits on Transmission Facilities and anticipated to occur (start and end) within 10 days of such determination. For determining the necessity of curtailment or redispatch of Network Integration Transmission Service or secondary service in other situations, the Office of the Interconnection must use Seasonal Facility Ratings as the relevant Transmission Facility Ratings.

The Office of the Interconnection must use Seasonal Facility Ratings as the relevant Transmission Facility Ratings when evaluating requests for and whether to curtail, interrupt, or redispatch any Transmission Service not otherwise covered above in this section (including, but not limited to, requests for non-Near-Term Transmission Service or requests to designate or change the designation of Network Resources or Network Load), when developing any ATC or other information posted or provided to potential customers related to such services. The Office of the Interconnection must use Seasonal Facility Ratings as a recourse rating in the event that an AAR otherwise required to be used under this Attachment is unavailable.

The Office of the Interconnection must use uniquely determined Emergency Ratings for contingency analysis in the operations horizon and in post-contingency simulations of constraints. Such uniquely determined Emergency Ratings must also include separate AAR for each Emergency Rating duration used.

Any forecasts of ambient air temperature for AARs and Seasonal Facility Ratings developed by the Office of the Interconnection or the Transmission Owner must be developed consistent with Good Utility Practice and on a non-discriminatory basis.

Postings to the Office of the Interconnection's OASIS or another password-protected website: The Office of the Interconnection must maintain on the password-protected

section of its OASIS page or on another password-protected website a database of Transmission Facility Ratings and Transmission Facility Rating methodologies. This database must be accessible to the Market Monitoring Unit. The database must include a full record of all Transmission Facility Ratings, both as used in real-time operations, and as used for all future periods for which Transmission Service is offered. Any postings of temporary alternate Transmission Facility Ratings or exceptions used under the System Reliability section above or the Exceptions section below, respectively, are considered part of the database. The database must include records of which Transmission Facility Ratings and Transmission Facility Rating methodologies were in effect at which times over at least the previous five years, including records of which temporary alternate Transmission Facility Ratings or exceptions were in effect at which times during the previous five years. Each record in the database must indicate which Transmission Facility the record applies to, and the date and time the record was entered into the database. The database must be maintained such that users with OASIS access or access to the password-protected website can view, download, and query data in standard formats, using standard protocols.

Sharing with Transmission Providers: The Office of the Interconnection must share, upon request by any Transmission Provider and in a timely manner, the following information:

- (1) Transmission Facility Ratings for each period for which Transmission Facility Ratings are evaluated, with updated ratings shared each time Transmission Facility Ratings are evaluated, and
- (2) Written Transmission Facility Rating methodologies used in arriving at the Transmission Facility Ratings in (1) above.

AAR Exceptions:

Where the Transmission Owner determines, consistent with Good Utility Practice, that the Transmission Facility Rating of a Transmission Facility is not affected by ambient air temperature or solar heating, the Office of the Interconnection and Transmission Owner may use a Transmission Facility Rating for that Transmission Facility that is not an AAR or Seasonal Transmission Facility Rating, including consideration for the technical limitations of the transmission system (such as system voltage or stability limits). Examples of such a Transmission Facility may include (but are not limited to): (1) a Transmission Facility for which the technical transfer capability of the limiting conductors and/or limiting transmission equipment is not dependent on ambient air temperature or solar heating; or (2) a Transmission Facility whose transfer capability is limited by a Transmission System limit (such as a system voltage or stability limit) which is not dependent on ambient air temperature or solar heating. The entity that makes this determination must document in the Office of the Interconnection's database of Transmission Facility Ratings and Transmission Facility Rating methodologies on OASIS or another password-protected website any exceptions to the requirements contained in this Attachment initiated under this paragraph, including the nature of and basis for each exception, the date(s) and time(s) that the exception was initiated, and (if

applicable) the date(s) and time(s) that each exception was withdrawn and the standard rating became effective again. If the technical basis for an exception under this paragraph changes, then the Transmission Owner must update the relevant Transmission Facility Rating(s) in a timely manner. The Transmission Owner must reevaluate any exceptions taken under this paragraph at least every five years.