

In accordance with the procedures under which the Parties provide Interconnection Service, each Party will coordinate with the other ~~to~~ ~~conduct~~ ~~of~~ any studies required in determining the impact of a request for generator or merchant transmission interconnection. and will engage in certain other activities provided under this section 9.4. Results of such coordinated studies will be included in the impacts reported to the interconnection customers as appropriate. For the purposes of this section, “DP1” shall mean Decision Point I in regard to the MISO OATT and Decision Point One in regard to the SPP OATT. “DP2” shall mean Decision Point II in regard to the MISO OATT and Decision Point Two in regard to the SPP OATT. For the purposes of this section, the term “cluster” shall mean: a group of interconnection requests in a study cycle being studied on a common timeline, and which will proceed into ~~Decision Point I (DP1)~~ at the same time. The process for coordination of Interconnection Studies and Network Upgrades will include the following:

### I. General Coordination Process

The rules contained in this section shall apply to all clusters, interconnection customers, and interconnection requests regardless of whether such clusters, interconnection customers, or interconnection requests are included in the Joint Targeted Interconnection Queue (“JTIQ”) Screening Group:

- (a) Consistent with the data exchange provisions of this Agreement, the Parties will exchange modeling data as necessary for the study and coordination of interconnection requests. This will include associated updates to modeling data as necessary to reflect the other Party’s relevant queue requests, contingency elements, monitored elements, planned upgrades, and other data as may be required.
- (b) The identification of all impacts on the Parties’ transmission systems shall include a description of the required Network Upgrade(s), and corresponding planning level cost estimates and construction schedule estimates.
- (c) Construction of any Network Upgrades on the Affected System will be subject to the terms of the impacted Party’s OATT, agreement among owners of transmission facilities subject to the control of the impacted Party and consistent with applicable federal, state or provincial regulatory policy.
- (d) In the event that Network Upgrades are required on the potentially impacted Party’s system, then such Network Upgrades shall be documented as a condition for full Interconnection Service in the

interconnection agreement executed by the direct connect system. Additionally, the Parties will mutually agree on milestones with respect to the Network Upgrade construction and the amount of service that can commence after each milestone.

- (e) Each Party will maintain a separate interconnection queue. The Parties will maintain a listing of interconnection requests for all interconnection projects that have been identified as potentially impacting the systems of the other Party. This information will be publicly posted on the Parties' respective websites.

## II. Coordination Procedure for JTIQ Studies

The rules and procedures contained in this Section II shall apply to interconnection customers and interconnection requests that have been designated for inclusion in a JTIQ Participation Group and/or for the Expanded Scope Study identified in Section 9.4.II.D.4.a. To the extent any provision conflicts with the provisions pursuant to this Section 9.4.II as applicable to JTIQ Upgrades, the provisions pursuant to this Section 9.4.II shall govern for JTIQ Upgrades.

A. Adoption of JTIQ Portfolio: The Parties may from time to time identify a JTIQ Portfolio to be constructed in one or both the Parties' transmission systems that the Parties have determined will more efficiently and reliably facilitate the interconnection of one or more clusters of interconnection requests in both Parties' queues.

1) The Parties shall coordinate in the identification and study of potential JTIQ Upgrades for inclusion in JTIQ Portfolios. Such coordination shall include, at a minimum: (i) meetings to be held periodically between representatives of each Party for the purposes of considering potential JTIQ Upgrades for inclusion in a JTIQ Portfolio and, as appropriate, enhancements to JTIQ processes; (ii) the exchange of study data relating to potential JTIQ Upgrades for inclusion in a JTIQ Portfolio; and (iii) if applicable, the presentation of study results to both Parties' stakeholders.

2) Each Party shall, after consultation with other Party, present the same JTIQ Portfolio to its Board of Directors for approval in its respective regional transmission plan.

B. Cost allocation for JTIQ Portfolios:

1) Capital costs (i.e., engineering and construction costs, and applicable carrying costs and income tax impacts

a) If any or all of the JTIQ Upgrades in a JTIQ Portfolio have been selected by December 31, 2023 to receive funds through the United States Department of Energy Grid Resilience and Innovation Partnerships Program (GRIP Program), any capital costs of the JTIQ Upgrades not funded through the GRIP Program shall be the amount which the JTIQ Generator Charge is designed to recover from the interconnection customers included in the Commitment Group(s) for the applicable JTIQ Portfolio.

b) If none of the JTIQ Upgrades in a JTIQ Portfolio have been selected to receive funds through the GRIP Program, the Parties shall propose an appropriate cost allocation method for acceptance by the Commission prior to presenting the JTIQ Portfolio to their respective Boards of Directors for approval.

2) Non-capital costs (i.e., operation and maintenance costs, administrative and general expenses, general and intangible plant depreciation and amortization, taxes other than income taxes, and other costs not included in capital costs):

a) One hundred percent (100%) of the annual non-capital costs allocable to JTIQ Upgrades shall be recovered consistent with each Party's regional OATT.

C. Responsibility to Construct: Each Party shall assign to the applicable Transmission Owner(s) and maintain through its OATT, organizational documents, or other appropriate agreements, an obligation by the applicable Transmission Owner(s) to develop, construct, operate, and maintain JTIQ Upgrades.

D. Identification of JTIQ Screening Group, JTIQ Participation Group and JTIQ Commitment Group:

1) The JTIQ Screening Group shall consist of all interconnection customers who have submitted interconnection requests into a MISO DPP study cluster or SPP DISIS study cluster that: (1) has an application deadline that is after the date that the Parties' respective Boards of Directors have approved a JTIQ Portfolio; and (2) has not commenced DPP Phase I or DISIS Phase One studies pursuant to each party's OATT as of the date that the Parties have declared the JTIQ Portfolio fully subscribed.

2) The JTIQ Participation Group shall consist of all interconnection customers included in the JTIQ Screening Groups whose interconnection request meets the following criteria:

- a) the interconnection request is determined to have an impact greater than five percent (5%) distribution factor (OTDF or PTDF<sup>1</sup>) on one or more facilities of the potentially impacted Party's transmission system modelled with all transmission facilities rated 100 kV and above; and
  - b) the interconnection request is determined to have greater than 1.00 MW (positive) impact on at least one JTIQ Upgrade included in the JTIQ Portfolio.
- 3) Each Commitment Group shall include interconnection customers in a JTIQ Participation Group that have obtained an effective [Service Agreement] within the twelve (12) month period ending April 30<sup>th</sup> of each year. The Parties shall provide in their regional OATTs that interconnection customers included in a Commitment Group shall, upon the effective date of the applicable generation interconnection agreement, be responsible for the full amount of their share of the relevant JTIQ Portfolio, the charges for which shall be determined and issued pursuant to the provisions of the regional OATT applicable to each interconnection customer.
- 4) Interconnection requests included in the JTIQ Screening Group shall not be included in any Affected System study performed by the potentially impacted Party pursuant to Section 9.4.III except as set forth in sections 9.4.II.E.3, and 9.4.II.D.4.b and c, below.
- a) Notwithstanding the foregoing and subject to the exceptions set forth in sections 9.4.II.D.4.b and c, each Party shall conduct for each interconnection request for which it is the direct connect Party, an analysis of the potential impacts of such interconnection request on the Affected System that are i) located within five (5) substations for facilities with a nominal operating voltage under 200kV, two (2) substations for facilities with a nominal operating voltage between 200 and 300 kV, and one (1) substation for facilities with a nominal operating voltage greater than 300 kV, from one of the direct connect Party's substations; and ii) have greater than equal to ten percent (10%) distribution factor (OTDF or PTDF<sup>2</sup>) on one or more facilities of the potentially impacted Party's transmission system. This analysis shall be referred to as the Expanded Scope Study. Each Party shall, through appropriate provisions in their respective OATTs, require interconnection requests that are determined to have impacts on the Affected System greater than the specified criteria pursuant to this

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<sup>1</sup> Power Transfer Distribution Factor (PTDF) - The percentage of power transfer flowing through a facility or a set of facilities for a particular transfer when there are no contingencies.

Outage Transfer Distribution Factor (OTDF) - The percentage of a power transfer that flows through the monitored facility for a particular transfer when the contingency facility is switched out of service.

paragraph to enter into an appropriate agreement with the Affected System to address such impacts in accordance with the rules of the Affected System.

- i. Interconnection requests for generation located in MISO will be subject to the Expanded Scope Study if they (i) are included in the JTIQ Participation Group, or (ii) do not meet the criteria for inclusion in the JTIQ Participation Group and are not located in the MISO South Region. Interconnection requests for generation located in the MISO South Region, as described in MISO's Generator Interconnection Business Practices Manual, that do not meet the criteria for inclusion in the JTIQ Participation Group will proceed through the SPP Affected System process.
- ii. Interconnection requests for generation located in SPP will be subject to the Expanded Scope Study if they (i) are included in the JTIQ Participation Group, or (ii) do not meet the criteria for inclusion in the JTIQ Participation Group and are not located in SPP Group 4 or 5, as described in the SPP Generator Interconnection Manual . Interconnection requests for generation located in SPP Group 4 or 5 that do not meet the criteria for inclusion in the JTIQ Participation Group will proceed through the MISO Affected System Process.
- iii. For each DPP or DISIS study cluster commenced after the approval of the applicable JTIQ Portfolio and until such time as such JTIQ Portfolio is determined to be fully subscribed by the Parties, each Party shall monitor its own interconnection queue. Within ten (10) business days after a Party commences DPP Phase I or DISIS Phase One studies for a study cluster, such Party shall communicate to the other Party the number of MW of interconnection requests included in such cluster that have met the distribution factor and impact thresholds for inclusion in the JTIQ Participation Group. Within ten (10) business days of execution, or Commission approval if filed unexecuted, of the last generator interconnection agreement in a Party's study cluster commenced after the approval of the JTIQ Portfolio becomes effective and until such time as the JTIQ Portfolio is determined to be fully subscribed, the direct-connect Party shall report to the potentially impacted Party the total number of generator interconnection projects

and MW of interconnection requests that have joined a Commitment Group.

E. Closing Subscription to the JTIQ Portfolio; Addressing Oversubscription and Undersubscription

- 1) The Parties shall determine the Target MW Value and the Threshold MW Value at the time the JTIQ Portfolio is identified by the Parties. The Target MW Value shall be the projected new interconnection MW enabled by the JTIQ Portfolio. The Threshold MW Value shall be 85 percent (85%) of the Target MW Value.
- 2) Prior to DP1 in each study cluster, the Parties shall develop a projection of the number of MW expected to commit to the JTIQ Portfolio from all study clusters that already have passed DP1 (“Commitment Projection”). The Commitment Projection shall include all Commitment Groups to date for the applicable JTIQ Portfolio and an estimate of probable additional MW commitments to the JTIQ Portfolio from study cluster(s) that have passed DP1 for which all interconnection requests have not either received effective generator interconnection agreements or been withdrawn. In developing the Commitment Projection, the Parties shall apply methodologies that mitigate the risk of under-subscription.
  - a. If the Parties determine that the Commitment Projection exceeds the Threshold MW Value of the JTIQ Portfolio, the Parties shall declare the JTIQ Portfolio to be fully subscribed. Interconnection requests in any study cluster that has not passed DP1 shall be processed as set forth in Section 9.4.III unless a subsequent JTIQ Portfolio is approved by the Parties’ Boards before such study cluster commences.
  - b. If the Parties determine that the Commitment Projection does not exceed the Threshold MW Value of the JTIQ Portfolio, the Parties shall maintain the JTIQ Portfolio as open for one or more subsequent study cycles.
- 3) If the JTIQ Portfolio is not deemed fully subscribed pursuant to Section 9.4.E.2, the Parties shall develop a projection of the number of MW that may commit to the JTIQ Portfolio from all study clusters to date, including the current study cluster(s) (“Potential MW Total”). The Potential MW Total shall be based on all Commitment Groups to date for the applicable JTIQ Portfolio and probable additional MW commitments to the JTIQ Portfolio from recent study cluster(s), including the current study cluster(s). In order to assess probable additional MW commitments,

the Parties can utilize information such as withdrawal trends among interconnection requests during recent study cycles of the Parties' interconnection queues.

a. If the Potential MW Total does not exceed the Target MW, then the current study cluster shall be processed in accordance with Sections 9.4.II(B)-(D), (F) and (G) in the same fashion as previous clusters included in the Screening Group for such JTIQ Portfolio. If the Potential MW Total exceeds the Target MW, the current study cluster shall be processed in accordance with the following rules:

i. Step 1: Prior to DP2 of the current study cluster, the affected System Party shall perform an Affected System analysis, as set forth in Section 9.4.III, on the interconnection requests in the current study cluster to determine whether Network Upgrades in addition to those included in the JTIQ Portfolio or identified through the Expanded Scope Study are required to address the impact of interconnection requests in the current study cluster using reasonable efforts to expedite such study processes. Such additional Network Upgrades shall be referred to as Supplemental Affected System Network Upgrades. The costs of such studies shall be recovered from the interconnection customers with impacts on the Affected System as set forth in Section 9.4.III.

1. If the analysis identifies no Supplemental Affected System Network Upgrades, the Parties shall deem the current study cluster to be fully enabled by the JTIQ Portfolio.

2. If the analysis identifies Supplemental Affected System Network Upgrades, the affected system Party shall proceed to Step 2.

ii. Step 2: If the Parties identify interconnection requests in the current study cluster that cause the need for one or more additional Network Upgrades due to impacts on the affected system Party's transmission system:

1. The Parties shall calculate the Threshold Charge for the JTIQ Portfolio. Such Threshold Charge shall be calculated using an estimate of plant in service value for the JTIQ Portfolio, excluding any amounts funded under the GRIP Program,

based on the last estimate performed by the Parties prior to commencement of the current study cluster, divided by the Threshold MW Value.

2. If the total per MW cost of an interconnection customer's Supplemental Affected System Network Upgrades, excluding costs identified through the Expanded Scope Study, does not exceed 15% of the Threshold Charge, such interconnection request shall be deemed enabled by the JTIQ Portfolio and shall be responsible for the JTIQ Generator Charge as well as any costs associated with the Supplemental Affected System Network Upgrades identified; or
3. If the total per MW cost of such Supplemental Affected System Network Upgrades, excluding costs identified through the Expanded Scope Study, exceeds 15% of the Threshold Charge, such interconnection customers shall be deemed not to have been enabled by the JTIQ Portfolio and shall not be required to pay the JTIQ Generator Charge. Such interconnection customers shall pay affected system costs for the Supplemental Affected System Network Upgrades identified.
4. If two hundred forty (240) months have passed since the in-service date of the first JTIQ Upgrade in this JTIQ Portfolio and this JTIQ portfolio is not yet fully subscribed based on actual commitments prior to DP1 in the current study cluster(s), the current study cluster(s) and all subsequent study clusters shall be closed to subscription for this JTIQ Portfolio. Interconnection requests in any study cluster that has not passed DP1 when the above two conditions pertain shall be processed as set forth in Section 9.4.III, unless a new JTIQ Portfolio is approved before such study cluster commences and applies to such cluster.
5. Updating Cost Estimates: The Parties shall coordinate with the Transmission Owners designated to construct the individual JTIQ Upgrades comprising the JTIQ Portfolio and shall provide estimated cost updates at least once annually beginning in the second year after a JTIQ Portfolio has been approved by both Boards of Directors and each year



thereafter until all JTIQ Upgrades in the JTIQ Portfolio have been placed into service. The Parties shall use the most updated estimates available as of the application date of a given study cluster to inform their calculation of any milestones to be collected from the JTIQ Participation Group customers during the MISO DPP or SPP DISIS cluster.

#### **F. Cost Recovery from the JTIQ Commitment Group and Backstop Funding**

1. JTIQ Generator Charge: The capital costs of each JTIQ Upgrade in the JTIQ Portfolio not otherwise funded through the GRIP Program will be recovered from the interconnection customers in the JTIQ Commitment Groups through a project-specific charge that will individually and collectively be referred to as the JTIQ Generator Charge. The references in Section 9.4.II.F and related subsections address the recovery from interconnection customers of the costs remaining after application of GRIP Program funds.

- a. Each interconnection customer in a JTIQ Commitment Group will pay its share of each JTIQ Upgrade included in the JTIQ Portfolio based on the interconnection customer's MW of interconnection service as a percentage of the Threshold MW Value or, if larger, the final total subscribed amount of all Commitment Groups ("Final Commitment MW Total").
- b. The costs of each JTIQ Upgrade in the JTIQ Portfolio will be recovered over a maximum of a 240-month period starting from each JTIQ Upgrade's recovery start date.
- c. The JTIQ Generator Charge shall be calculated and assessed consistent with each Party's OATT.
  - i. The costs of JTIQ Upgrades in the JTIQ Portfolio shall be recoverable as those JTIQ Upgrades go into service.
  - ii. The interconnection customer's annual obligation for each JTIQ Upgrade will be calculated separately based on each Commitment Group's start date for each JTIQ Upgrade's JTIQ Generator Charge.
  - iii. The applicable portion of the JTIQ ATRR for each JTIQ Upgrade in the JTIQ Portfolio will be collected monthly from each interconnection customer having a JTIQ Generator Charge obligation in its interconnection agreement, as described in Section 9.4.II.F.1.a.

#### 2. Backstop funding

- a. In the event that the JTIQ Portfolio is not fully subscribed as set forth in Section 9.4.II.E.2, or the interconnection customers ultimately responsible for the Annual

Transmission Revenue Requirement of the capital costs for each JTIQ Upgrade (JTIQ ATRR) in the JTIQ Portfolio do not have effective generation interconnection agreements by the time a JTIQ Upgrade in the JTIQ Portfolio goes into service, the JTIQ ATRR(s) associated with those unsubscribed interconnection customers' obligation and/or unexecuted generation interconnection agreements shall be recovered from the constructing region consistent with Party's OATT.

- b. Funds received through the JTIQ Generator Charge as a result of recovering the previous insufficiency of revenue from interconnection customers relative to the JTIQ ATRR, will be distributed within the Party's region where that JTIQ Upgrade is located consistent with that Party's regional OATT.
3. The Parties shall ensure that any non-jurisdictional Transmission Owner of a JTIQ Upgrade will be required to refund any amounts recovered in excess of the JTIQ ATRR for a JTIQ Upgrade.
4. Annual Update:

Transmission Owner shall update its JTIQ ATRR on an annual basis to reflect changes in elements of the formula rate template, including cost updates, for its JTIQ Upgrade. Each Party shall update the charges consistent with its regional OATT.

#### G. Calculation, Collection and Distribution of JTIQ Generator Charges

1. Each month each Party shall, in accordance with the terms of its OATT and *pro forma* agreements:
  - i. determine the amounts due from the interconnection customers in the JTIQ Commitment Groups in each Party's region;
  - ii. collect those JTIQ Generator Charges owed by interconnection customers for which such Party is the direct connect Party and distribute such funds to the Party(ies) whose Transmission Owner(s) are designated to construct JTIQ Upgrades currently in service; and
  - iii. distribute the revenue that it collects from its interconnection customers and receives from the other Party to its Transmission Owner(s) designated to construct JTIQ Upgrades currently in service and, if applicable, to its load designated as acting as the backstop pursuant to its OATT.
2. None of the provisions of this Section 9.4.II.F shall be construed as creating an obligation by either Party to: (1) identify or correct errors in the information supplied by its Transmission Owners; or (2) require either Party to pay or

distribute to the other Party or such other Party's Transmission Owners any funds in excess of those actually collected from the collecting Party's interconnection customers.

#### **H. Exchange of Information between MISO & SPP**

1. In addition to the express data sharing provisions identified throughout this Agreement, the Parties agree to coordinate on the exchange of information including, but not limited to, information regarding funds collected and disbursed in relation to the JTIQ Upgrades to enable each Party and the constructing Transmission Owners in each Party's region to sufficiently track cost recovery for the JTIQ Upgrades.

#### **I. Security requirements**

1. Each Party shall establish in its respective OATT or *pro forma* agreements rules and procedures for obtaining and maintaining security from interconnection customers sufficient to cover the engineering and construction cost allocated to such customers in the Commitment Groups that is associated with the portion of the JTIQ Portfolio to be constructed and owned by such Party's Transmission Owners.
2. Each Party shall through its OATT or *pro forma* agreements obligate its interconnection customers to adhere to the other Party's rules and the procedures for obtaining and maintaining security from interconnection customers sufficient to cover the engineering and construction cost allocated to such customers in the Commitment Groups that is associated with the portion of the JTIQ Portfolio to be constructed and owned by such Party's Transmission Owners. Each Party shall maintain sufficient records to track payments received for security and for the JTIQ Generator Charge so that the relevant Party or Transmission Owner can draw on the security pursuant to the terms of the applicable service agreement.
3. The Parties will coordinate with respect to the administration of security. Prior to the initial billing of the JTIQ Generator Charge to each Commitment Group, or upon request by either Party, the Parties shall exchange with each other and their respective Transmission Owners constructing JTIQ Network Upgrades, information regarding: (1) the amount of security collected and maintained by each Party or such party's Transmission Owners; (2) payment and default information from interconnection requests in the JTIQ Commitment Groups; and (3) any other information the Parties determine is needed for the coordination and administration of security, including any needed adjustments.

### III. Coordination Procedure for Interconnection Requests Not Included in a JTIQ Participation Group or Expanded Scope Study

The rules and procedures contained in this section shall apply to the analysis of interconnection requests that have not been designated for inclusion in either a JTIQ Participation Group or an Expanded Scope Study.

(a) The relative queue position for interconnection requests in the MISO or SPP interconnection queues will be determined by the date on which DP1 closes for the respective cluster. The interconnection requests included in the study cluster having the earlier deadline will have higher queue priority. For all study request clusters prior to the MISO DPP 2020 cycle and SPP DISIS-2018-001 cluster, the following deadlines for each Party will be used to establish the queue priority rather than DP1 deadlines:

(i) The MISO M2 milestone payment submission deadline per the MISO OATT.

(ii) The SPP deadline to submit a request into the Definitive Interconnection System Impact Study (DISIS) per the SPP OATT.

Interconnection requests in MISO and SPP will not be considered to have equal queue priority. In the event that the deadlines of each RTO's DP1 fall on the same date, queue priority for such interconnection requests shall be established based on each RTO's respective anticipated start date for DP2 calculated as of the close of DP1, with the earlier start date having higher queue priority.

(b) Studies to be performed to determine the impacts of the proposed interconnection on the potentially impacted Party will be conducted as follows:

(i) The transmission reinforcement and study criteria used in the potentially impacted Party's System Impact Studies will conform to and incorporate the provisions contained in the Parties' respective business practices and the OATTs.

(ii) The SPP and SPP Transmission Owner study procedures, planning criteria, and cost allocation provisions will apply to the studies performed to determine the impacts on the SPP transmission system when SPP evaluates the impact on SPP transmission facilities of MISO interconnection requests. SPP's modeling criteria applicable to Network Resource Interconnection Service (NRIS) requests in SPP will also apply to MISO requests seeking NRIS in MISO for the amount of NRIS being requested in MISO. SPP's modeling criteria applicable to Energy Resource Interconnection Service (ERIS) requests in SPP will also apply to

MISO requests seeking ERIS in MISO for the amount of ERIS being requested in MISO. Modeling details that SPP will use when SPP is the Affected System can be found in Section 19 of the Guidelines for Generator Interconnection Requests.

(iii) The MISO and MISO Transmission Owner study requirements, planning criteria, and cost allocation requirements will apply to studies performed to determine impacts on the MISO transmission system when MISO evaluates the impact on MISO transmission facilities of SPP interconnection requests. During the course of MISO's Affected System Interconnection Study, MISO shall apply ERIS criteria to all of SPP's Interconnection Request(s). Detailed information about the modeling process and assumptions used by MISO for such analysis when MISO is the Affected System are located in MISO's Generator Interconnection Business Practices Manual, BPM-015 at section 6.

(iv) If a Party identifies a criteria violation on a tie line path interconnecting the SPP and MISO transmission systems and the limiting element(s) on such tie line path is not under the control or ownership of the Party that identified the criteria violation, then the limiting element(s) for the tie line path will be required to be upgraded such that it is no longer a limiting element. Such upgrade shall be processed in accordance with the business practices and OATT of the Party that owns or controls the limiting element(s).

(v) During the course of Affected System studies, each Party will sink the output of the other Party's interconnection requests in the same area or subregion, if applicable, as the host RTO.

(vi) If the Parties cannot mutually agree on the nature of the studies to be performed, they can resolve the differences through the dispute resolution procedures documented in Article XIV of this Agreement.

(c) The direct connect Party shall identify potential impacts on the Affected System when conducting its own System Impact Study of new Interconnection Requests. Potential impacts on the Affected System shall be communicated to the potentially impacted Party by the direct connect Party. The potentially impacted Party shall, in accordance with applicable procedures, guidelines, criteria, and standards, make the final determination of whether its system is impacted by requests on the direct connect system and identify the Network Upgrades necessary to mitigate such impacts. The direct connect Party will be responsible for communicating the results of the potentially impacted Party's analysis to the direct connect Party's interconnection customers. If a Party identifies potential impacts on its system as a result of an interconnection request by

the other Party's interconnection customer(s), such potentially impacted Party shall provide any supporting models or analysis to the applicable interconnection customer upon request, subject to the same requirements and limitations applicable to that Party's own interconnection customer.

~~(c) — The relative queue position for interconnection requests in the MISO or SPP interconnection queues will be determined by the date on which DP1 closes for the respective cluster. The interconnection requests included in the cluster study~~

~~(d) having the earlier deadline will have higher queue priority. For all study request clusters prior to the MISO DPP 2020 cycle and SPP DISIS 2018-001 cluster, the following deadlines for each Party will be used to establish the queue priority rather than DP1 deadlines:~~

~~(i) — The MISO M2 milestone payment submission deadline per the MISO OATT.~~

~~(ii) — The SPP deadline to submit a request into the Definitive Interconnection System Impact Study (DISIS) per the SPP OATT.~~

~~Interconnection requests in MISO and SPP will not be considered to have equal queue priority. In the event that the deadlines of each RTO's DP1 fall on the same date, queue priority for such Interconnection Requests shall be established based on each RTO's respective anticipated start date for DP2 calculated as of the close of DP1, with the earlier start date having higher queue priority.~~

~~(d) — Studies to be performed to determine the impacts of the proposed interconnection on the potentially impacted Party will be conducted as follows:~~

~~(i) — The transmission reinforcement and study criteria used in the potentially impacted Party's System Impact Studies will conform to and incorporate the provisions contained in the Parties' respective business practices and the OATTs.~~

~~(ii) — The SPP and SPP Transmission Owner study procedures, planning criteria, and cost allocation provisions will apply to the studies performed to determine the impacts on the SPP transmission system when SPP evaluates the impact on SPP transmission facilities of MISO interconnection requests. SPP's modeling criteria applicable to NRIS requests in SPP will also apply to MISO requests seeking NRIS in MISO for the amount of NRIS being requested in MISO. SPP's modeling criteria applicable to ERIS requests in SPP will also apply to MISO requests seeking ERIS in MISO for the amount of ERIS being requested in MISO.~~

~~Modeling details that SPP will use when SPP is the Affected System can be found in Section 14 of the SPP Generator Interconnection Business Guide and Practice (<https://opsportal.spp.org/documents/studies/GuidelinesAndBusinessPracticesForGIP.pdf>).~~

~~(iii) The MISO and MISO Transmission Owner study requirements, planning criteria, and cost allocation requirements will apply to studies performed to determine impacts on the MISO transmission system when MISO evaluates the impact on MISO transmission facilities of SPP interconnection requests. During the course of MISO's Affected System Interconnection Study, MISO shall apply Energy Resource Interconnection Service (ERIS) criteria to all of SPP's Interconnection Request(s). Detailed information about the modeling process and assumptions used by MISO for such analysis when MISO is the Affected System are located in MISO's Generator Interconnection Business Practices Manual, BPM-015 at section 6.~~

~~(iv) If a Party identifies a criteria violation on a tie line path interconnecting the SPP and MISO transmission systems and the limiting element(s) on such tie line path is not under the control or ownership of the Party that identified the criteria violation, then the limiting element(s) for the tie line path will be required to be upgraded such that it is no longer a limiting element. Such upgrade shall be processed in accordance with the business practices and OATT of the Party that has functional control over the limiting element(s).~~

~~(v) During the course of Affected System studies, each Party will sink the output of the other Party's interconnection requests in the same area or subregion, if applicable, as the host RTO.~~

~~(vi) If the Parties cannot mutually agree on the nature of the studies to be performed, they can resolve the differences through the dispute resolution procedures documented in Article XIV of this Agreement.~~

(e) During the course of its DISIS, SPP shall monitor all facilities with nominal voltage 100 kV and higher of those MISO Transmission Owners that are immediately adjacent to SPP facilities ("First Tier Area"). Thermal loading of facilities within First Tier Areas that exceed the normal rating during system-intact conditions or that exceed the emergency rating during contingency conditions shall be identified. Voltages of facilities within First Tier Areas that are outside the range of 0.95 to 1.05 per unit during system-intact conditions or 0.90 to 1.05 per unit during contingency conditions shall be identified. SPP shall provide

to MISO the results of the potential impacts to the MISO transmission system. These potential impacts may be included in the SPP DISIS report along with any information regarding the validity of these impacts and any transmission system reinforcements received from MISO and the MISO Transmission Owners.

- (i) No later than 5 Business days after the commencement of Phase One and Phase Two of the SPP DISIS, the Interconnection Facilities Study, or any restudy, SPP shall forward to MISO the information necessary for MISO and the MISO Transmission Owners to study the impact of the SPP interconnection request(s) on the MISO transmission system. MISO and the MISO Transmission Owners shall study the impact(s) of the SPP interconnection request(s) on the MISO transmission system and provide the results to SPP by the later of (1) 30 days following study commencement or (2) 15 days prior to the scheduled completion of Phase Two of the SPP DISIS, the Interconnection Facilities Study, or any restudy, as applicable.
- (ii) During the determination of reinforcements for an interconnection request that are required to mitigate MISO constraint(s), SPP and MISO may identify other planned reinforcement(s) that may alleviate such constraint(s) inside the MISO region. Under such circumstances, any SPP interconnection project relying on those reinforcement(s) shall have limited operation service until those reinforcement(s) are placed into service. MISO may perform interim studies to determine the necessary limitation on Interconnection Service associated with the SPP interconnection request until the necessary upgrades identified through MISO's Affected System analysis are in service.

(fc) During the course of its Definitive Planning Phase (DPP) studies, MISO shall monitor the SPP transmission system and provide to SPP the results of the potential impacts to the SPP transmission system. This monitoring will include an examination of the potential projects to impact the SPP system through determination if the project under study has  $\geq 3\%$  distribution factor or  $\geq 5\text{MW}$  impact or  $\geq 1\%$  of facility rating on any SPP facilities under normal and contingency conditions. These potential impacts may be included in the MISO DPP report along with any information regarding the validity of these impacts and any transmission system reinforcements received from SPP and the SPP Transmission Owners.

- (i) No later than 5 Business Days after the commencement of the MISO DPP Phase I study, MISO shall forward to SPP the information necessary for SPP and the SPP Transmission Owners



to study the impact of the MISO interconnection request(s) on the SPP transmission system. SPP and the SPP Transmission Owners may begin studying the impact of the MISO interconnection request(s) on the SPP transmission system.

- (ii) No later than 5 Business Days after the commencement of the MISO DPP Phase II study, MISO shall forward to SPP the information necessary for SPP and the SPP Transmission Owners to study the impact of the MISO interconnection request(s) on the SPP transmission system. SPP and the SPP Transmission Owners shall study the impact(s) of the MISO interconnection request(s) on the SPP transmission system and provide the results to MISO within 30 days following the commencement of DPP Phase II.
- (iii) No later than 5 Business Days after the commencement of the MISO DPP Phase III study or any restudy, MISO shall forward to SPP the information necessary for SPP and the SPP Transmission Owners to study the impact of the MISO interconnection request(s) on the SPP transmission system. SPP and the SPP Transmission Owners shall study the impact(s) of the MISO interconnection request(s) on the SPP transmission system and provide the results to MISO within 30 days following the commencement of DPP Phase III or any restudy, as applicable.
- (iv) During the determination of reinforcements for an interconnection request that are required to mitigate SPP constraint(s), SPP and MISO may identify other planned reinforcement(s) that may alleviate such constraints inside the SPP region. Under such circumstances, any MISO interconnection project relying on those reinforcement(s) shall have conditional Interconnection Service until those reinforcement(s) are placed into service. SPP may perform interim studies to determine the necessary limitation on Interconnection Service associated with the MISO interconnection request until the necessary upgrades identified through SPP's Affected System analysis are in service.

~~(g) The identification of all impacts on the Parties' transmission systems shall include a description of the required Network Upgrade(s), and corresponding planning level cost estimates and construction schedule estimates.~~

~~(h)~~(f) The impacted Party whose transmission system requires mitigation of constraint(s) identified in an impacted Party's ~~Affected System~~ System Impact Study shall tender to and enter into a Facilities Study agreement with the interconnection customer as required under the impacted Party's OATT.

(g) The direct connect system will collect from the interconnection customer the costs incurred by the potentially impacted Party associated with the performance of any Affected System Study (Affected System Impact Study and Affected System Facility Study) and forward collected amounts to the potentially impacted Party.

(h) If the results of the Affected ~~System~~System's System Impact Study indicate that Network Upgrades are required in accordance with procedures, guidelines, criteria, or standards applicable to the potentially impacted system, the direct connect system will identify the need for such Network Upgrades in the System Impact Study prepared for the interconnection customer.

~~(k) Construction of any Network Upgrades on the Affected System will be subject to the terms of the impacted Party's OATT, agreement among owners of transmission facilities subject to the control of the impacted Party and consistent with applicable federal, state or provincial regulatory policy.~~

(l)

~~(i) In the event that Network Upgrades are required on the potentially impacted Party's system, then such Network Upgrades shall be documented as a condition for full Interconnection Service in the interconnection agreement executed by the direct connect system. Additionally, the Parties will mutually agree on milestones with respect to the Network Upgrade construction and the amount of service that can commence after each milestone.~~

~~(m) Each Party will maintain a separate interconnection queue. The Parties will maintain a listing of interconnection requests for all interconnection projects that have been identified as potentially impacting the systems of the other Party. This information will be publicly posted on the Parties' respective websites.~~

(n) For any interconnection request that had previously been identified as potentially impacting the system of the other Party, the direct connect Party will ensure that all coordination under this Section 9.4 has been completed and that any required Network Upgrades identified by the potentially impacted Party are included in the applicable interconnection agreements prior to those agreements being executed.

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- (ej) The Parties will strive to minimize the costs associated with the coordinated study process.

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