May 16, 2018

VIA ELECTRONIC FILING
Honorable Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First St., N.E.
Washington, D.C. 20426

Re: Midcontinent Independent System Operator, Inc.
Filing to Improve the Alignment of the Planning Resource Auction and the Attachment Y Process Governing Generation Retirements and Suspensions
Docket No. ER18-_____000

Dear Secretary Bose:


I. BACKGROUND: ALIGNMENT BETWEEN THE PRA AND THE ATTACHMENT Y PROCESS

This filing results from MISO and MISO stakeholder discussions initiated as the result of a recommendation by the Independent Market Monitor (“IMM”) for improving the process for MISO to conduct its PRA and makes associated enhancements to the Attachment Y portion of the Tariff. The 2016 State of the Market Report for the MISO Electricity Markets (“2016 SOM Report”) states: “The PRA should be a process that assists suppliers in making efficient decisions regarding their resources, including whether to retire their units.”

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1 This submission is made pursuant to Section 205 of the Federal Power Act, 16 U.S.C. § 824d, Part 35 of the Federal Energy Regulatory Commission’s (“FERC” or “Commission”) regulations, 18 C.F.R. §35, et. seq.

2 Capitalized terms not otherwise defined herein have the meanings ascribed thereto in Section 1 of the Tariff or in the proposed Tariff.

In the 2016 SOM Report, the IMM recognizes that “MISO . . . modif[ied] the use of the [PRA] provisions in its Tariff, making the provisions available to suspended resources.”\textsuperscript{4} In the instant filing, MISO takes the additional step of unifying the approach to retirement and suspension notifications such that only suspension notifications are submitted by the generation resource owner (i.e., the retirement request type is eliminated). Retirement of a generating unit becomes a resulting status. The resulting flexibility provided to the owner of a generating unit should provide added access to participation in the PRA that may assist such owners in making appropriate decisions regarding the future of their generating plants.

MISO undertook earlier changes to permit suspended units to participate in the PRA provided that a change in status makes business sense for the corresponding Market Participant.\textsuperscript{5} While suspension of Generator operation may be driven by other factors (e.g., environmental regulations), MISO removed PRA disqualification language for suspended units from the Tariff to provide opportunities for Market Participants to efficiently make a deactivation or re-activation (temporary or longer lasting) decision based on the availability to participate in the PRA. MISO recognizes the need for flexibility regarding decisions by owners of Generation Resources to Retire or Suspend operations, and that such decisions could be influenced by the results of the PRA if certain Tariff changes are made.\textsuperscript{6} Existing provisions under Section 38.2.7 of the Tariff provide flexibility to a resource owner to submit an Attachment Y Notice\textsuperscript{7} to Retire or Suspend Generator operations\textsuperscript{8} as well as to rescind or modify the Attachment Y Notice submitted to MISO under certain circumstances described in Section 38.2.7.d. The retirement versus suspension distinction can be a tenuous one for some owners of generating units, which is recognized in the added flexibility offered in the instant filing. For units whose suspension is not driven by market economics, the owner of a generating unit may move directly to the retirement status under the instant proposal.

Improved efficiencies could be provided by the improved alignment of the PRA and the Attachment Y process. MISO submits Tariff changes described in the following section for Commission approval.

\textsuperscript{4} \textit{Id.} at 87 (“Improve alignment of the Planning Reserve Action and the Attachment Y process governing retirement and suspensions”).

\textsuperscript{5} \textit{Midcontinent Indep. Sys. Operator, Inc.}, 154 FERC ¶ 61,094 (2016).

\textsuperscript{6} \textit{See, e.g., Midwest Indep. Transmission Sys. Operator, Inc.}, 140 FERC ¶ 61,237 (2012) at P 61 (summary of MISO filing to provide such flexibility, subject to certain conditions).

\textsuperscript{7} The term “Attachment Y Notice” is used in Section 38.2.7 as a defined term, although the term is not contained in Section 1 of the Tariff. As explained below, this filing proposes to include the term in the definition section of the Tariff.

\textsuperscript{8} Market Participants have flexibility to submit an Attachment Y Notice such that MISO response is due after the PRA results are finalized in mid-April. For example, Market Participants can submit Attachment Y on or around February 1\textsuperscript{st} and inform MISO of their intent to make an ultimate decision based on the PRA results.
II. PROPOSED REVISIONS

A. Revisions to Tariff Section 38.2.7 and Related Definitions to Facilitate Expanded Auction Participation

1. Unified Path for Retirements and Suspensions

Adjustments to the Tariff that provide increased flexibility to the owner of a generating unit that submits an Attachment Y Notice should remove existing barriers to participation in the PRA, and should therefore assist such owners in making appropriate decisions regarding the future of their generating plants. This filing proposes a change to the existing Tariff provisions that currently provide no options to reconsider a decision to Retire a generating unit following MISO’s approval of such a request that has been submitted by the owner to MISO in an Attachment Y Notice.

The owners of Generators currently submit an Attachment Y Notice to Retire their asset that is studied by MISO to assess impacts on Transmission System reliability. No option is provided in the Tariff to reverse the decision (i.e. other than entering the interconnection queue, along with newly constructed plants) once the owner receives MISO’s approval for the retirement. MISO proposes to treat all initially submitted Attachment Y notifications for a change in status as notices to Suspend the service of a Generator, with the right to rescind the notification upon conditions stated in the Tariff. The term “Retire” (in some instances, “retirement”) is replaced by “Suspend” (in some instances, “suspension”) or deleted in a variety of Section 38.2.7 provisions to carry out this adjustment. Process statements, such as at the end of Section 38.2.7.a.i, are adjusted for the revised program. However, “Retire” is retained in the Definition portion of the Tariff as a status that is reached by various means that are described in Section 38.2.7. For example, Section 38.2.7.d(ii)(2) retains the defined term “Retire” since that remains a legitimate status from which rescission is permitted under the Tariff.

A status of “Retire” applies if a) the owner of a Generator notifies MISO that it “waive[s] the right to both rescind and modify the Attachment Y Notice” in order to convert a suspension to a retirement, b) upon the expiration of an SSR Agreement for the unit, or c) upon expiration of the maximum thirty-six month period for suspension of service. The termination of

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9 Section 38.2.7.d(ii)(2) (“modify its decision to Retire by re-entering the interconnection queue”).

10 Adjusted Section 38.2.7.d(ii)(1) and (2); 38.2.7.d(iii)(1) and (2); and 38.2.7.k.

11 Adjusted Section 38.2.7.d(iii)(1) and (2). The right to rescind while operating pursuant to an SSR Agreement is not new in the instant proposal, as shown in the existing Section 38.2.7.d(iii).

12 Section 38.2.7.n.
interconnection service, Section 38.2.7.k, is restated in the proposed adjustments to recognize this treatment of the retirement situation, including the possibility of rescissions. The provision that permits waiver and results in a “Retire” status expands the opportunity to retain a “Suspend” status while considering market conditions during an “Attachment Y Conversion Period.” That period is explained in the added definition for “Attachment Y Conversion Period,” which is “between the date of submission of the Attachment Y Notice and the June 1st start of the third full Planning Year following the submittal of the Attachment Y Notice.” A Generator is no longer retired by such notification followed by the determination that it is not necessary for reliability – that provision in existing Section 38.2.7.d(ii)(2) is deleted.

Attachment Y notifications are all submitted as suspension notices under the proposed Tariff language, and an owner would be permitted to rescind its Attachment Y Notice for a period limited to no more than thirty-six months after the effective date stated in the initial submittal of the Attachment Y Notice for a generating unit. The right to rescind continues to be explained in Section 38.2.7.d, with text in each of its sub-sections to promote independent readability of the rescission provisions on matters elaborated upon elsewhere in the adjusted Tariff (e.g. confidentiality and interconnection service, which are the subjects of Sections 38.2.7.a.i(2) and 38.2.7.k). The rescission opportunity provides all owners the opportunity to evaluate withdrawal of a unit from service based upon market conditions before the unit is committed to permanent retirement status.

Adjustment has also been made to the Suspend status that is retained in the proposed Tariff provisions. Under existing provisions, the owner of a generating unit is required to specify a period for a suspension in the Attachment Y form. In MISO’s experience, the long-term outlook for a suspended Generator is generally uncertain – the required end date for a suspension generally overstates the certainty for a return to service (or that the Generator will return at all) and modifications are frequently sought once owners refine their resource plans. The removal of a requirement that an owner specify an end date better reflects the uncertainty of a return to service, as further explained in the description of changes to Attachment Y and Attachment Y-2 described in this submission.

2. Definitions

The foregoing has partly examined the advisability or need to adjust the definition portion of the Tariff as part of the instant proposal. As a first instance, the term “Attachment Y Notice” is treated in Section 38.2.7 as a defined term even though it is not located in Section 1 of the Tariff. The newly inserted definition draws its text from the existing explanation for the term

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13 Adjusted Section 38.2.7.d(ii)(1) and (2); and 38.2.7.d(iii)(1) and (2).
14 Adjusted Section 1.A, definition of “Attachment Y Conversion Period.”
15 Adjusted Section 1.S, definition of “Suspend.”
located in Tariff Section 38.2.7.a(i) (“Notification Procedures for Units”). Changes are made to consistently use the defined term.  

As examined in the preceding section, the term “Attachment Y Conversion Period” is added to the definitions to explain the new concept of a period during which an Attachment Y Notice regarding suspension may be converted so that a generating unit will have a “Retire” status at the time identified in the Attachment Y Notice.

The definition of the term “Suspend,” a key status to the instant proposal, is modified in the adjusted Tariff. The adjusted definition includes elimination of the term “temporary” that presumes a return to operation. The definition includes the description of rescission rights that are available for a period that is newly designated as part of the definition.

3. Confidentiality

The current provision for MISO handling of an Attachment Y Notice provides that the information remains confidential until the date for retirement or when a reliability issue is identified that requires public discussion of possible alternatives to SSR designation for a generating unit. The instant proposal adjusts this treatment slightly, attaching the end of confidentiality to the date when the decision is made to retire a unit or when a reliability issue is identified. The retirement decision signals the owner’s intent to release all rights to the interconnection service for the resource and the intent to release information on the retirement (i.e. the decision has been made that release would not threaten the owner’s business interests). The information would become available for consideration by other potential interconnection customers once the decision reaches the point when it cannot be reversed (i.e. once the owner has elected to commit the resource to permanent retirement).

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16 See, e.g., Adjusted Section 38.2.7.a(i) (replacement of the name of Attachment Y with “Attachment Y Notice”).

17 Id.

18 Section 38.2.7.a(ii).

19 Section 38.2.7.b (“post” “[i]f the Attachment Y Reliability Study determines that a reliability concern exists. . . .”).

20 Adjusted Section 38.2.7.a(ii).

21 Id., combined with Section 38.2.7.b. Existing Tariff Section 38.2.7.a language provides for confidentiality “unless otherwise provided in Section 38.2.7.” This reference provides for loss of confidentiality in the event that SSR designation needs to be evaluated. The reference is made explicit in Adjusted Section 38.2.7.a.i., and the less specific reference in the existing Tariff language is deleted.
4. Conforming and Consolidating Adjustments

The streamlining of treatments under Section 38.2.7 is extended to the rescission and interconnection service provisions as they apply to forced outages and pseudo-tied out Generators. The separate treatment on these topics, currently stated in Section 38.2.7.a(i), is deleted in the proposed Tariff language and provides for consistent treatment over all generating units.

The language on the potential recovery of costs for the Attachment Y study, presently located in Section 38.2.7.d(i), is moved to the Section 38.2.7.e (inserted as a new sub-section) that generally covers this topic. The adjustment consolidates related Tariff language and aids readability. Also, additional detail is provided by means of adjustments to Section 38.2.7.e that explain circumstances under which a rescission results in repayment obligations. With the change in the treatment of “Suspend” to eliminate the presumed return date, the conditions describing the premature return to service following the period of service as an SSR Unit are no longer applicable and must be revised to refer to a rescission of the suspension. Clarifications are included that consider the scenarios in which repayment obligations apply because costs were incurred for network upgrades that were rendered unnecessary due to the timing of a rescission. The language is also revised to clarify that costs include any pre-construction costs that are incurred. The applicability of the FERC-approved rate, while previously implicit, is made explicit. The section was further reformatted to provide readability with similar changes applied to the language describing situations that involve multiple rescissions.

5. Transition Language

A new Section 38.2.7.q is added to transition from the existing to the adjusted Tariff language. Two items are addressed. First, the newly introduced Attachment Y Conversion Period is not used to shorten any rescission period that may have been associated with an Attachment Y Notice submitted before the effective date for the adjusted language. Second, the adjustments to Section 38.2.7.e regarding the refund of certain costs related to circumstances connected to Attachment Y Notices are inapplicable to notifications submitted before the effective date for the adjusted language. The existing provisions stated in Section 38.2.7.e apply to these earlier Attachment Y Notices.

6. Other Adjustments

Adjustments have been made to correct and reconcile provisions contained in Section 38.2.7 to aid readability. As an example, the correct spelling for SCU, “Synchronous Condenser Unit” (underline added) is made throughout the Section and in the definition section of the Tariff. A long sentence in Section 38.2.7.d.i has been split into two sentences, without a change in meaning.

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22 Section 38.2.7.d(i) (“shall pay the Transmission Provider 100% . . .”).
The connector “or” replaces “and” to adjusted Section 38.2.7.a(i) to provide the desired consideration of a Generator “or” SCU under planned or forced outage situations, removing any ambiguity caused by the mistakenly constructed text. Two modifications are made to Section 38.2.7.a(i) and one to Section 38.2.7.d(iii)(1) that refer to a “definitive” decision are modified (“elected”) or deleted to correspond to the more flexible treatment in this proposal towards owner decisions regarding change in status for their units.

The paragraph regarding posting of information under Section 38.2.7.b in the event that a reliability concern exists is modified to state the connection between SSR cost allocation and “SSR designation” rather than with MISO “enter[ing] into an SSR Agreement since execution of an SSR Agreement is not guaranteed by MISO’s detection of a reliability concern.

A sentence is split into two sentences in Section 38.2.7.d(i) to aid readability. That sub-section also includes the modified manner – submission to MISO of “an amended Attachment Y Notice” – by which an owner may rescind its initial Attachment Y Notice (i.e. consistent with modifications made to the Attachment Y form, described below). 23 Parentheses replace periods in sub-section titles to more consistently treat the formatting of Section 38.2.7. Periods are inserted at the end of some headings for consistency. An instance of a double period is removed from Section 38.2.7.n.

B. Revisions to Attachment Y and Y-2 Notification Forms

1. Attachment Y

Adjustments must be made to the Attachment Y Notice – currently entitled the “Notification of Generation Resource/SCU/Pseudo-Tied Out Generator Change of Status” – that is submitted to MISO. Submission of such a form to MISO starts MISO’s evaluations under Section 38.2.7 of the Tariff, and provides MISO with information on the Generator or SCU that is the subject of the notification.

Corresponding to the adjustments to Section 38.2.7, the Attachment Y Notice is re-titled “Notification of Generation Resource/SCU/Pseudo-tied Out Generator Change of Status, Including Notification of Rescission” (emphasis added). Removed from the form are the statements/representations regarding the intent to Retire a unit since “Retire” is a status obtained by one of the processes laid out in Section 38.2.7 and no longer a matter of notification to MISO.

In addition to use of the form for notification of suspensions, which use begins the standard treatment of the generating unit (i.e. removing the need to specify a return date), the adjusted Attachment Y becomes the manner for communicating to MISO decisions regarding the expanded rescission possibilities under the revised Tariff. In addition to the title change, Attachment Y is adjusted to include rescission of an existing notice to Suspend as one use for the

23 The corresponding change is made in Section 38.2.7.d(iii)(2).
form. The added flexibility for the owner of a unit also supports a change to language regarding the “binding” nature of the notification since adjustments are permitted as long as they are “[p]ursuant to” and “in accordance with” Tariff Section 38.2.7.

Finally, additional contact information is requested as part of the adjusted Attachment Y form in order to provide better communication between the provider of the information and MISO personnel. This additional contact information is expected to aid in situations where the content of a form is unclear, which may be especially useful once the new form comes into initial use.

2. Attachment Y-2

An Attachment Y-2 notification is submitted to MISO, as provided for in Section 38.2.7.o (“Non-Binding Informational Studies”) for the purpose of requesting a non-binding MISO study that informs the submitter of the Attachment Y-2 form regarding transmission reliability consequences of withdrawing a unit from service. The portion of the Tariff that describes the Attachment Y-2 study process is little changed in the instant filing. However, a MISO Y-2 study, as described in Section 38.2.7.o, is conducted to provide guidance regarding the expected outcome for SSR designation if an Attachment Y was submitted and a study was undertaken by MISO. Given that function, the portion of the Attachment Y-2 form that refers to a return date is removed. This is consistent with the adjusted treatment of the Attachment Y form mentioned above.

III. STAKEHOLDER DISCUSSIONS

MISO initiated discussion of the proposed Attachment Y Tariff modifications with MISO stakeholders at Planning Advisory Committee (“PAC”) meetings and Resource Adequacy Sub-Committee (“RASC”) meetings in early 2017, and continued discussions over the period February 8, 2017 through January 17, 2018. On February 8, 2017, a MISO representative presented to the RASC an approach for the Attachment Y process to address the IMM’s recommendation related to the potential for additional Generation Resources to participate in the PRA. The Stakeholder Steering committee directed MISO to continue development of the Tariff modifications in the PAC and provide periodic updates to the RASC.

On February 15, 2017, a MISO representative introduced the PAC to the conceptual design that would provide additional flexibility for owners of retiring units and unify the treatment of announced retirements and suspensions. On April 19, 2017, MISO discussed a detailed draft proposal at the PAC meeting. The proposed design introduced the concept of adding rescission rights to approved retirements that would serve as the single path presently covered by both retirement and suspension notices. Owners of retiring resources would be provided an opportunity to rescind until the start of the following Planning Year to permit participation in the Planning Resource Auction and return to service if the resource cleared. With flexibility included in the retirement decision, suspension would no longer be included as an option. The RASC was later presented with this framework on June 7, 2017. MISO
continued further development of the proposal to address stakeholder comments and presented revised Tariff language at the June 14, 2017 PAC that included additional definitions, provisions related to limitations on confidentiality, and the waiver of rescission rights.

Considering stakeholder feedback and impacts of the changes on other provisions of the Tariff, MISO reconsidered the proposal to provide a unified approach to retirement and suspension notifications such that use of suspension notifications would be retained while the retirement request type would be eliminated. This proposal was presented to stakeholders at the August 16, 2017 PAC as an alternative approach. The new approach avoided the risk of extensive Tariff and business process changes that specifically addressed suspended resources and considers suspensions as a precursor to retirement scenarios. The suspension period was redefined to eliminate the planned end date and facilitate the conversion to retirement, and the period of rescission was extended to provide additional time for a resource to remain in suspension. Additionally, the confidentiality provisions attached to an Attachment Y notification were revised to remove confidentiality when a request for suspension turned into a retirement decision. This revised framework was reported to stakeholders at a RASC meeting held on September 13, 2017.

Further refinements of the proposal were incorporated and discussed in subsequent stakeholder meetings. At the September 27, 2017 PAC meeting, MISO presented additional clarifications on treatment of waivers of rescission rights and termination of interconnection service for inoperative units. MISO returned to the PAC on November 11, 2017 to discuss additional modifications that included separation of the rescission period from the conversion period, time limits on suspension, and the removal of termination provisions for inoperative units. The final Tariff changes containing clarifications and refinements were presented at the PAC stakeholder meeting on January 17, 2018.

Stakeholders generally supported the addition of flexibility for the retirement/suspension notices and a single, simplified path to replace separate paths for retirement and suspension notifications. Substantial discussion and feedback of proposals resulted in significant improvements to the original concept. Stakeholders remain divided on the subject of the treatment of confidentiality, with some advocating for complete removal of confidentiality to enhance transparency while others expressed concern over any loss of confidentiality that might cause harm to their businesses. MISO’s proposal in this filing pursues a middle course, retaining confidentiality only while the unit is suspended and its owner reserves the right to return to operation. A change in treatment is introduced in this filing to increase transparency for the situation where a definitive decision is made to convert from suspension to retirement, which is earlier than waiting until the actual retirement date to remove confidential treatment. The existing provisions are retained regarding the loss of confidentiality in a situation where MISO studies reveal a reliability concern, and therefore MISO needs to discuss with stakeholders the possible need for SSR designation of a unit.

Due to the connection of the proposed Tariff adjustments to the IMM recommendation, the IMM was further consulted in advance of the instant filing. The IMM has authorized MISO
to represent that it supports the proposed Tariff changes that would implement part of the IMM’s earlier recommendation.

IV. DOCUMENTS SUBMITTED WITH THIS FILING

Pursuant to Section 35.13(b)(1) of the Commission’s regulations, below is a list of the documents submitted with this filing:

Tab A - Redlined Version of Tariff sheets,\(^{24}\) and

Tab B - Clean Version of Tariff sheets.

V. EFFECTIVE DATE

MISO respectfully requests an effective date of July 16, 2018 (approximately 60 days after filing), for the revised Tariff sheets. MISO requests waiver of any applicable provisions of the Commission’s rules and regulations to effectuate this date.

VI. NOTICE AND SERVICE

MISO has served a copy of this filing electronically, including attachments, upon all Tariff Customers under the Open Access Transmission, Energy and Operating Reserve Markets Tariff, MISO Members, Member representatives of Transmission Owners and Non-Transmission Owners, as well as all state commissions within the Region.

In addition, the filing has been posted electronically on MISO’s website at [https://www.misoenergy.org/legal/ferc-filings/](https://www.misoenergy.org/legal/ferc-filings/) for other interested parties in this matter.

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\(^{24}\) Language currently pending before the Commission in the following, unrelated dockets is highlighted in yellow: Docket Nos. ER18-906-000; ER18-1173-000; ER18-1493-000; ER18-502-000; and ER17-1376-003. MISO requests that the Commission treat such highlighted language as subject to the outcomes of Docket Nos. ER18-906-000; ER18-1173-000; ER18-1493-000; ER18-502-000; and ER17-1376-003. MISO commits to file any revisions to this highlighted language as necessary to comply with any Commission orders in Docket Nos. ER18-906-000; ER18-1173-000; ER18-1493-000; ER18-502-000; and ER17-1376-003.
VII. COMMUNICATIONS

All communications and service related to this application should be directed to the following individual:

Jeffrey L. Small*
Midcontinent Independent System Operator, Inc.
720 City Center Drive
Carmel, IN 46032
Telephone: 317-249-5400
jsmall@misoenergy.org

*Person authorized to receive service

VIII. CONCLUSION

For the foregoing reasons, MISO respectfully requests that the Commission approve the proposed revisions to the Tariff related to alignment between the PRA and the attachment Y process and the other adjustments described herein.

Respectfully submitted,

/s/ Jeffrey L. Small
Jeffrey Small
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Counsel for Midcontinent Independent System Operator, Inc.
Active Transmission Constraint: Any transmission constraint for which a Resource is committed to avoid exceeding, or to relieve, the constraint limit.

Actual Energy Injections: For a Generation Resource a net Metered volume measured in MWh that flows into the Transmission System during the Operating Day at a specified location that is submitted to the Transmission Provider by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day or, for a Stored Energy Resource or External Asynchronous Resource or Stored Energy Resource – Type II, a net Metered volume measured in MWh that flows into or out of (withdrawal positive, injection negative) the Transmission System during the Operating Day at a specified location that is submitted to the Transmission Provider by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day. For a Demand Response Resource-Type I, or for a Demand Response Resource-Type II, or an EDR resource, a calculated volume in MWh that is equal to the amount as calculated or Metered according to the specifications and protocols in the Measurement and Verification Procedures. The Actual Energy Injection of the Demand Response Resource is calculated by the Transmission Provider based on the meter data submitted by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day that is used for Settlement purposes. Given the appropriate qualification, Demand Response Resources-Type I Resources can provide the following products: Energy, Contingency Reserve, and capacity under Module E.

Actual Energy Withdrawal: For a Load Zone where one or more Demand Response Resources Type I are committed for Energy and/or are offered for Contingency Reserve, where one
or more Demand Response Resource Type II are committed during a specific Hour, or where an EDR resource has reduced load, a calculated volume in MWh that flows out of the Transmission System during the Operating Day at a specified location that is equal to the time-weighted average of the Metered volume of the Load Zone for that Hour plus Actual Energy Injects within the Load Zone for the Demand Response Resources and EDR resources. For all other Load Zones, a Metered volume measured in MWh that flows out of the Transmission System during the Operating Day at a specified location. The Load Zone Metered volume in MWh that flows out of the Transmission System during the Operating Day, used for the calculation of the Actual Energy Withdrawal, is submitted to the Transmission Provider by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day that is used for Settlement purposes. **When the Real-Time Ex Post LMP in a Dispatch Interval in which DRRs are committed for Energy** is less than the Net Benefits Price Threshold, the amount of Actual Energy Injections for all DRRs associated with a given Load Zone are added to the Metered volume at the specified Load Zone for that Dispatch Interval.

**Actual Resource Response:** The actual movement, in MWs, relative to Setpoint Instructions for a Resource within a Dispatch Interval.

**Additional Regulating Mileage:** Any Regulating Mileage Target for a Resource in a Dispatch Interval beyond the amount considered for the Dispatch Interval during the market clearing.

**Adjusted Financial Transmission Rights Capability:** The expected available transmission capacity in the FTR Auction, respecting the Simultaneous Feasibility Test, over the
Transmission Provider Region during: (1) a given Month, less FTRs held by existing FTR Holders; or (2) a Season, less FTRs held by existing FTR Holders and baselading assumptions.

**Affected Participant:** A Market Participant, a person that engages in Market Activities or a person that takes any other service under the Tariff that has provided to the Transmission Provider, Confidential Information that is requested by, or is disclosed to, an Authorized Requestor under a Non-Disclosure Agreement.

**Affiliate:** With respect to a person or entity, any individual, corporation, partnership, firm, joint venture, association, joint stock company, trust or unincorporated organization, directly or indirectly controlling, controlled by, or under common control with, such person or entity.

**Agency Agreement:** The agreement that is Appendix G of the ISO Agreement.

**Aggregate Annual Transmission Revenue Requirement (Aggregate ATRR):** The annual transmission revenue requirement calculated by combining the annual transmission revenue requirements of each individual RFP Respondent and each individual Proposal Participant identified in a Proposal, all as provided in Section VIII.D.4.3 of Attachment FF of the Tariff.

**Aggregate Power Supply Curve:** The combined Energy Offer curves for all Resources, excluding DRRs, which is the capacity from all such resources at each price offered.

**Aggregate Price Node (APNode):** An aggregation of Elemental Pricing Nodes whose LMP is calculated as the sum of the products of the LMP at each Elemental Pricing Node defined in the Aggregate Price Node and the associated pre-established normalized weighting.
factors for the Elemental Pricing Node.

**Aggregator of Retail Customers (ARC):** A Market Participant that represents demand response on behalf of one or more eligible retail customers, for which the participant is not such customers’ LSE, and intends to offer demand response directly into the Transmission Provider’s Energy and Operating Reserve Markets, as a Planning Resource or as an EDR resource.

**Allowance Level:** A description of the mitigation measure described in Module D which allows a Market Participant that is an LSE or represents an LSE, to purchase or schedule a specified portion of its Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability requirements in the Real Time Energy and Operating Reserve Market.

**Alternate Selected Developer(s):** Shall be the RFP Respondent(s) whose Proposal is selected to be the alternate Proposal by the Competitive Transmission Executive Committee, pursuant to Attachment FF of the Tariff, for implementation if the Selected Developer fails to execute or request an unexecuted filing of the Selected Developer Agreement and provide the required Project Financial Security within the timeframe provided in Attachment FF Section VIII.H.

**Ancillary Services:** Those services that are necessary to support Capacity and the transmission of Energy from Resources to Loads while maintaining reliable operation of the Transmission System in accordance with Good Utility Practice.

**Annual ARR Allocation:** The procedure used by the Transmission Provider annually to allocate ARRs and MVP ARRs.

**Annual ARR Registration:** The annual process for registering ARR Entitlements and MVP
ARR Entitlements.

**Applicable Laws and Regulations:** All duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority having jurisdiction over the Parties, their respective facilities and/or the respective services they provide.

**Applicable Reliability Standards:** Reliability Standards approved by the Federal Energy Regulatory Commission (FERC) under Section 215 of the Federal Power Act relating to operation of the Transmission Provider in carrying out its Reliability Coordinator, Balancing Authority, Market Operator, Transmission Service Provider, and Planning Coordinator functions. In addition to FERC approved standards, any regional reliability criteria and/or standards relating to operation of the Transmission Provider in carrying out the functions listed above.

**Applicant:** An entity desiring to hold FTRs, take Transmission Service, engage in Market Activities or take any other service under this Tariff, or become a Market Participant, Transmission Customer or Coordination Customer under this Tariff.

**Application:** A request by an Eligible Customer for Transmission Service pursuant to the provisions of this Tariff.

**ARR Delivery Point:** The ARR Zone or Interface specified in an ARR where Transmission Service terminates.

**ARR Entitlement(s):** Right to nominate and be allocated ARRs based on transmission usage, upgrades or other basis.
**ARR Holder(s):** The Market Participant that receives ARRs, or the Transmission Provider to the extent it receives ARRs, through the Annual ARR Allocation.

**ARR Obligation:** The financial credit or obligation resulting from the difference between the clearing prices from the annual FTR Auction at the ARR Delivery Point and the clearing prices at the ARR Receipt Point.

**ARR Receipt Point:** The transaction receipt point specified in an ARR.

**ARR Settled Exposure:** The potential exposure to non-payment associated with ARRs that have been settled.

**ARR Stage Factors:** The factors that determine the nomination caps in Stage 1A and Stage 1B of the ARR allocation procedure.

**ARR Term:** The term specified in the ARR.

**ARR Transactions Not Yet Settled:** The value of the ARRs based on the clearing price(s) established as a result of the most recent annual FTR Auction which have not been settled.

**ARR Zone(s):** Geographic areas defined for the purpose of allocating ARRs based upon locations where a Market Participant serves Load.

**Area Control Error (ACE):** The instantaneous difference between Net Actual Interchange and Net Scheduled Interchange, taking into account the effects of frequency bias, including a correction for meter error, expressed in MW.

**Asset Owner:** An entity identified by a Market Participant through the Transmission Provider registration process that is eligible to be represented by the Market Participant in Market Activities.
**Attachment Y Notice:** A completed form, entitled “Attachment Y Notification of Generator/SCU/Pseudo-tied Out Generator Change of Status, Including Notification of Rescission,” provided to the Transmission Provider to Suspend all or any portion of a resource by an owner of a Generation Resource, Synchronous Condenser Unit (SCU), or a Generator that is directly interconnected to the Transmission System but is Pseudo-tied out of the Transmission Provider’s Balancing Authority Area or to rescind such a notification.

**Attachment Y Conversion Period:** The period between the date of submission of the Attachment Y Notice and the June 1st start of the third full Planning Year following the submittal of the Attachment Y Notice in which the owner of a Generation Resource or SCU may elect to convert an Attachment Y Notice to a notice of retirement by waiving rescission and modification rights and committing to retirement of the asset.

**Auction Clearing Price (ACP):** The price, expressed in $/MW-day, associated with the MW quantity that clears in the Planning Resource Auction for a given LRZ or ERZ for the applicable Planning Year.

**Auction Revenue Rights (ARR):** Entitlements to a share of the revenues generated in the annual FTR Auction.

**Authorized Agency:** (i) a State public utility commission within the geographic limits of the Transmission Provider Region that regulates the distribution or supply of electricity to retail customers or is legally charged with monitoring the operation of wholesale or retail markets serving retail suppliers or customers within its State; (ii) the Organization of
MISO States or any successor organization, formed to act as a regional state committee within the Transmission Provider Region; or (iii) a state agency that has both access to documents in the possession of a state public utility commission pursuant to state statute and the ability to protect those documents in accordance with the Non Disclosure Agreement.

**Authorized Requestor:** A person who has executed a Non Disclosure Agreement, and is authorized by an Authorized Agency to receive and discuss Confidential Information. Authorized Requestors may include State public utility commissioners, State commission staff, attorneys representing an Authorized Agency, and employees, consultants and/or contractors directly employed by an Authorized Agency, provided, however, that consultants or contractors may not initiate requests for Confidential Information from the Transmission Provider or the IMM.

**Available Non-FTR Financial Security:** For Credit purposes, any Financial Security held in excess of alternative capitalization requirements and Total FTR Obligations and available for securing Non-FTR Potential Exposure.

**Available Transfer Capability:** The maximum amount of additional Energy that may be carried by the Transmission System or by the transmission systems of Coordination Customers under current or projected operating conditions.
**Sample Membership Agreement:** The document that establishes the rights and obligations between the Electric Generation and Transmission Cooperative (Coop) and its members.

**Scarcity Price:** The LMP and MCP price levels determined by Demand Curves when insufficient Operating Reserve cleared to meet the Operating Reserve requirement.

**Schedule 16 Costs:** The monthly charge of costs to be recovered under Schedule 16 of this Tariff shall include any deferred pre-operating costs, direct and indirect capital costs, direct and indirect operating expenses and all other costs associated with administering the Financial Transmission Rights Administrative Service under this Tariff.

**Schedule 17 Costs:** The costs to be recovered under Schedule 17 of this Tariff shall include any deferred pre-operating costs, direct and indirect capital costs, direct and indirect operating expenses and all other costs associated with administering the Energy and Operating Reserve Market Support Administrative Service under this Tariff.

**Scheduled Injections:** Energy scheduled in the Day Ahead Energy and Operating Reserve Market to be injected over an Hour of the Operating Day.

**Scheduled Withdrawals:** Energy withdrawals scheduled in the Day Ahead Energy and Operating Reserve Market over a given Hour of the Operating Day.

**Scheduling Agent:** An entity designated by a Market Participant that has the authority to conduct business in the Transmission Provider Region on behalf of the Market Participant.

**Scheduling Instructions:** Directives issued by the Transmission Provider or Local Balancing Authority to Market Participants with Load Modifying Resources indicating MW quantities to be reduced during Emergencies.

Effective On: July 16, 2018
**Scheduling Right:** Capacity reserved on the Transmission System through the OASIS by a Transmission Customer which may be used to deliver energy and/or capacity from the source to the sink as posted on OASIS, subject to the constraints and rules in the Transmission Provider’s Energy and Operating Reserve Markets and Resource Adequacy Requirements.

**SCUC Instructed Hours of Operation:** The period beginning when a Resource is synchronized to the Facilities within the MISO Balancing Authority Area in response to the Transmission Provider selecting the Resource in the unit commitment portion of the SCUC process and ends at the later of: (i) the time incorporating the sum of the time when the Resource is synchronized and the Resource’s Minimum Run Time and (ii) the earlier of the time the Resource is forced out of service or the time when the Transmission Provider notifies the Market Participant that the Resource is no longer needed. The SCUC Instructed Hours of Operation cannot extend beyond the Operating Day.

**Seams Operating Agreement:** An agreement between adjacent balancing authorities or transmission providers for the coordination of operations, including joint operating agreements.

**Season:** The four (4) seasons are (i) Winter – December, January, February; (ii) Spring – March, April, May; (iii) Summer – June, July, August; and (iv) Fall – September, October, November.

**SEC:** Securities and Exchange Commission.

**Second Planning Area:** The area of the Transmission Provider Region where Entergy
Corporation and its Operating Companies that own and/or operate transmission facilities (i.e., located in Arkansas, Louisiana, Mississippi, or Texas) that are conveyed to the functional control of the Transmission Provider to provide Transmission Service pursuant to Module B of the Tariff. The Second Planning Area shall be formed when the first Entergy Operating Company conveys functional control of its transmission facilities to the Transmission Provider, and may be expanded if other Entergy Operating Companies or adjacent utilities in Arkansas, Louisiana, Mississippi or Texas, join MISO later in the Second Planning Area’s Transition Period.

**Second Planning Area’s Transition Period:** The period: (i) commencing when the first Entergy Operating Company conveys functional control of its transmission facilities to the Transmission Provider to provide Transmission Service under Module B of this Tariff; (ii) consisting of at least five consecutive (5) years, plus the time needed to complete the MTEP approval cycle pending at the end of the fifth year; (iii) ending on the day after the conclusion of such MTEP approval cycle, which in no case shall be more than six years after the start of that period; and (iv) during which the Transmission Provider shall review and compare the current states of the transmission systems in the First Planning Area and the Second Planning Area and, if a lack of comparability is found, shall identify transmission projects necessary to achieve comparability. The processes for identifying transmission projects necessary to achieve comparability and allocating costs associated with the projects that are so identified during the Second Planning Area’s Transition Period are set forth in Attachment FF-6.

**Security Constrained Economic Dispatch (SCED):** An algorithm capable of clearing,
dispatching, and pricing Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability in a simultaneously co-optimized basis that minimizes Production Costs and Operating Reserve Costs while enforcing multiple security constraints. The algorithm keeps the commitment of Resources fixed in the dispatch. The model is described in Schedule 29.

Security Constrained Economic Dispatch Pricing (SCED-Pricing): An algorithm capable of clearing, dispatching, and pricing Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability in a simultaneously co-optimized basis that minimizes Production Costs and Operating Reserve Costs while enforcing multiple security constraints. The model is described in Schedule 29A.

Security Constrained Unit Commitment (SCUC): An algorithm capable of committing Resources to supply Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability on simultaneously co-optimized basis that minimizes Capacity costs while enforcing multiple security constraints.

Selected Developer(s): The RFP Respondent(s) identified in the Selected Proposal. Selected Developers shall not include Proposal Participants.

Selected Developer Agreement (SDA): An agreement, in the form provided in Appendix 1 of Attachment FF of the Tariff, between a Selected Developer, including existing Transmission Owners, ITCs, and Non-owner Members, and the Transmission Provider establishing the terms and conditions under which the Selected Developer will construct and implement the Competitive Transmission Facilities specified in its Selected Proposal. Among other terms, the Selected Developer Agreement shall include any binding cost
control measures, including cost caps, which the Selected Developer specified in its
Selected Proposal.

**Selected Proposal:** The Proposal selected for implementation by the Competitive Transmission
Executive Committee, pursuant to Attachment FF of the Tariff.

**Self Schedule:** The designation by a Market Participant of a specific amount of Energy and/or
Operating Reserve and/or capacity to be supplied from a specific Resource or Planning
Resource as a Price Taker.

**Self-Scheduled Resource:** A Resource that is scheduled by a Market Participant and controlled
by the same Market Participant under the overall coordination of the Transmission
Provider. A Self-Scheduled Resource is a Price Taker for the portion of the Resource
that is Self Scheduled.

**Service Agreement:** The initial agreement and any amendments or supplements thereto entered
into by the Tariff Customer and the Transmission Provider for service under this Tariff,
including, without limitation, any service agreement executed pursuant to Section 27A
(an HVDC Service Agreement), Module F, and Attachment KK of the Tariff.

**Service Commencement Date:** The date the Transmission Provider or ITC begins to provide
service pursuant to the terms of an executed Service Agreement, or the date the
Transmission Provider or ITC begins to provide service in accordance with Section 15.3
or Section 29.1 under this Tariff.

**Setpoint Instruction:** The real-time desired MW output signal calculated for a specific Resource
by the Transmission Provider’s control system on a specified periodicity that is equal to
the current Energy Dispatch Target plus the Regulating Reserve Deployment instruction
(which may be positive or negative) plus an adjustment to the Energy Dispatch Target to account for Contingency Reserve Deployment Instructions. The Setpoint Instruction represents the desired output level of the Resource.

**Settlement:** The process of determining charges to be paid to or by a Market Participant in the Energy and Operating Reserve Markets operated by the Transmission Provider under this Tariff.

**Settlement Statements:** Reports provided by the Transmission Provider to Market Participants containing some aggregate and some detailed charge type information and determinant data regarding financial obligations for Energy and Operating Reserve Market activities and services, allowing for the verification by the Market Participant of Settlements invoiced amounts.

**Shadow Price:** The marginal value of relieving a particular constraint.

**Shortfall Amount:** The difference between a Resource’s Contingency Resource Deployment Instruction and the actual amount of Contingency Reserve deployed by that Resource at the end of the Contingency Reserve Deployment Period.

**Short-Term Firm Point-To-Point Transmission Service:** Firm Point To Point Transmission Service under Module B of this Tariff with a term of less than one (1) Year.

**Short-Term High-Voltage Direct Current Service:** HVDC Service under Section 27A of this Tariff with a term of less than one (1) year.

**Shut-Down Offer:** The compensation required by a Market Participant for reducing the consumption of a Demand Response Resource Type-I.

**Shut-Down Notification Time:** The amount of notification time required by a Demand
Response Resource-Type I prior to the initiation of demand reduction procedures.

**Shut-Down Time:** The time required for a Demand Response Resource Type I to reduce consumption equal to its Targeted Demand Reduction Level or the time required for a Demand Resource to reduce consumption equal to its targeted Load reduction level or firm service level.

**Significant Trade Reference:** Trade reference provided to Transmission Provider in the registration process which are of a significant nature, as determined by Transmission Provider in its sole discretion.

**Simultaneous Feasibility Test:** A test for a state in which each set of injections and withdrawals associated with receipt point-to-delivery point FTRs and ARRs, and power transfers associated with FTRs and ARRs, would not exceed any thermal, voltage, or stability limits within the Transmission Provider Region under normal operating conditions or for monitored contingencies.

**Single-Developer Proposal:** A Proposal submitted by a single RFP Respondent that would become the sole Selected Developer for the Competitive Transmission Project, should its Single-Developer Proposal be designated as the Selected Proposal by the Transmission Provider.

**Single-Directional-Down Ramp Rate Curve:** The MW/minute ramp rate curve, that may include up to ten (10) linear segments at which a Generation Resource or Demand Response Resource-Type II can respond to the Setpoint Instructions in the downward direction only.

**Single-Directional-Up Ramp Rate Curve:** The MW/minute ramp rate curve, that may include
up to ten (10) linear segments, at which a Generation Resource or Demand Response Resource-Type II can respond to the Setpoint Instructions in the upward direction only.

**Sink Point:** The Commercial Pricing Node at which a Financial Schedule terminates.

**Source Point:** The Commercial Pricing Node at which a Financial Schedule originates.

**Spin Qualified Resource:** A Generation Resource, an External Asynchronous Resource, a Demand Response Resource-Type I, a Demand Response Resource-Type II, or a Stored Energy Resource – Type II that has met the requirements to be eligible to submit Spinning Reserve Offers into the Energy and Operating Reserve Markets.

**Spinning Reserve:** A specified percentage, based on Applicable Reliability Standards, of Contingency Reserve that must be synchronized to the Transmission System and that meets all Applicable Reliability Standards, and that can be converted to Energy within the Contingency Reserve Deployment Period following a deployment instruction.

**Spinning Reserve Offer:** The price, in dollars per MW per Hour, at which a Spinning Reserve Qualified Resource has agreed to sell Spinning Reserve.

**Start-Up Notification Time:** The amount of notification time required by a Generation Resource prior to the initiation of start-up procedures or the amount of notification time required for a Demand Response Resource Type II prior to the initiation of demand reduction procedures, from a hot state, intermediate state and cold state.

**Start Up Offer:** The compensation required by a Market Participant for bringing an off line Generation Resource on line or for reducing consumption of a Demand Response Resource-Type II.

**Start-Up Time:** The number of Hours required to start a Generation Resource, Demand
Response Resource-Type II or LMR and synchronize with the Transmission Provider Region to Hourly Economic Minimum Limit consistent with the Applicable Reliability Standards from a hot state, intermediate state or cold state.

**State Estimator:** A software program used by the Transmission Provider to create a real time assessment of the condition of the Transmission Provider Region.

**State Estimator MWs:** The megawatts that are determined by the State Estimator to be generated at a given location for each Dispatch Interval.

**State of Charge:** The Regulating Reserve available to the Transmission Provider’s markets from a Stored Energy Resource; or the Energy, Capacity, Spinning Reserve, Supplemental Reserve and/or Regulating Reserve available to the Transmission Provider’s markets from a Stored Energy Resource – Type II.

**Statement of Support:** A document that the Transmission Provider provides to Transmission Developer Applicants for submission with a Transmission Developer Application, which: (1) is executed by an Affiliate of a Transmission Developer Applicant; (2) lists specific qualifications, capabilities, and/or competencies that the Affiliate possesses and intends to make available to the Transmission Developer Applicant in order to assist the Transmission Developer Applicant with meeting one or more of the prequalification requirements set forth in Sections VIII.B.4, VIII.B.4.1, VIII.B.4.2, VIII.B.4.3, and/or VIII.B.4.4 of Attachment FF to the Tariff; and (3) authorizes the Transmission Developer Applicant to represent during the annual prequalification and recertification processes set forth in Sections VIII.B.2 and VIII.B.3 of Attachment FF to the Tariff that such
Transmission Developer Applicant will have access to the specified qualifications, capabilities, and/or competencies.

**Station Power:** The Energy used for operating the electrical equipment on the site of a Generation Resource and/or for the lighting, heating, air-conditioning and office equipment needs of buildings located on the site of such a Generation Resource that are used in the operation, maintenance, or repair of the facility. Station Power does not include Energy (i) used for pumping at a pumped storage facility; (ii) to power synchronous condensers; (iii) in association with power system restoration or blackstart service, or (iv) used for charging a Stored Energy Resource or a Stored Energy Resource – Type II. Station Power may only be provided pursuant to Schedule 20 of this Tariff.

**Stored Energy Resource:** A Resource capable of supplying Regulating Reserve, but not Energy, Contingency Reserve, Up Ramp Capability, and Down Ramp Capability through the short-term storage and discharge of electrical Energy in response to Setpoint Instructions.

**Stored Energy Resource Offer:** A Regulating Capacity Offer and a Regulating Mileage Offer submitted by a Market Participant within the MISO Balancing Authority Area for the output of a specified Stored Energy Resource to supply Regulating Reserve to the Energy and Operating Reserve Markets.

**Stored Energy Resource – Type II:** A Resource either behind or in front of the meter capable of supplying Energy, Capacity, Spinning Reserve, Supplemental Reserve, Regulating Reserve, Up Ramp Capability, and/or Down Ramp Capability, through the storage and discharge of electrical Energy in response to Setpoint Instructions, including but not limited to negative dispatch levels, and whose State of Charge is managed by the Market.
Participant operating the Resource. A Stored Energy Resource – Type II shall be registered, modeled, offered and dispatched, as well as monitored and mitigated, as a Demand Response Resource – Type II, and shall use the Offer template for a Demand Response Resource – Type II, provided, that:

(1) An SER – Type II will not be settled and compensated as a Demand Response Resource – Type II for any negative dispatch, and instead shall be treated as a regular Generation Resource for settlement purposes, except that an SER – Type II shall not be eligible for Day-Ahead Revenue Sufficiency Guarantee Payments, Real-Time Revenue Sufficiency Guarantee Credit, Real-Time Offer Revenue Sufficiency Guarantee Payment and Day-Ahead Margin Assurance Payment.

(2) Reference Levels of SER – Type II shall be determined in accordance with section 64.1.4.a.i, 64.1.4.a.ii, and 64.1.4.b.i of this Tariff.

Stored Energy Resource – Type II Offer: An Offer submitted by a Market Participant within the MISO Balancing Authority Area for the output of a specified Stored Energy Resource – Type II to supply Energy, Capacity, Spinning Reserve, Supplemental Reserve and/or Regulating Reserve to the Energy and Operating Reserve Markets.

Sub-Area: A Reserve Zone, or any other portion of the MISO Balancing Authority Area identified by MISO as described in MISO’s emergency operating procedures, that may require the implementation of emergency actions to address a local reliability problem.

Sub-Regional Export Constraint (SREC): The amount of Planning Resources in megawatts modeled in the PRA within an applicable Sub-Regional Resource Zone (SRRZ) that can be cleared in excess of the total individual LRZ’s PRMR comprising the SRRZ in
accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

**Sub-Regional Import Constraint (SRIC):** The amount of Planning Resources in megawatts modeled in the PRA, not within an applicable Sub-Regional Resource Zone (SRRZ), that can be cleared to meet the total PRMR of the individual LRZs comprising the SRRZ in accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

**Sub-Regional Power Balance Constraint:** A net Energy injection and withdrawal constraint established to manage intra-regional flows in accordance with applicable seams agreements, coordination agreements, transmission service agreements, or operating procedures.

**Sub-Regional Power Balance Constraint Demand Curve:** A demand curve used to price Sub-Regional Power Balance Constraints.

**Sub-Regional Resource Zone (SRRZ):** A zone, comprised of a LRZ or combination of two or more LRZs, established by the Transmission Provider for Resource Adequacy Requirements under Module E-1 or E-2 to administer constraints in accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

**Supervisory Control and Data Acquisition (SCADA) Data:** The electric system security data that is used to monitor the electrical state of facilities, as specified in NERC Policy 4.

**Supplemental Qualified Resource:** A Spin Qualified Resource, or a Demand Response Resource-Type I or, a Generation Resource, Demand Response Resource Type-II, Stored.
**Energy Resource – Type II,** or an External Asynchronous Resource that is not a Spin Qualified Resource that has met the requirements to be eligible to submit Supplemental Reserve Offers into the Energy and Operating Reserve Markets.

**Supplemental Reserve:** Contingency Reserve that is not considered Spinning Reserve that can be converted to Energy within the Contingency Reserve Deployment Period and that meets all Applicable Reliability Standards.

**Supplemental Reserve Offer:** The price, in dollars per MW per Hour, at which a Demand Response Resource Type I or an External Asynchronous Resource that is a Supplemental Reserve Qualified Resource has agreed to sell Supplemental Reserve.

**Suspend:** The temporary cessation of operation of a Generation Resource or an SCU for more than two (2) months commencing on a specified date that is provided to the Transmission Provider, that includes the right to rescind or modify the Attachment Y Notice for a period ending no later than thirty-six (36) months after the start date specified in an original (i.e. initial, first) Attachment Y Notice, consistent with the requirements in Section 38.2.7 and Attachment X.

**Synchronous Condenser Unit (SCU):** A facility that can be synchronized to the Transmission Provider’s Transmission System without producing Energy.

**System Auction Clearing Price (System ACP):** The marginal value (“shadow price”) associated with the system-wide Demand constraint. This Demand constraint ensures that the amount cleared, in all LRZs, is at least equal to the total PRMR in all LRZs. The marginal value of this constraint provides a quantitative result of the value of obtaining the marginal MW from the non-export-constrained LRZ(s).
**System Condition:** A specified condition on the Transmission System or on a neighboring transmission system, such as a constrained transmission element or flowgate, that may trigger Curtailment of Long-Term Firm Point-To-Point Transmission Service or Long-Term Firm HVDC Service using the curtailment priority pursuant to Section 13.6 or 27A.1.5 of this Tariff, respectively. Such conditions must be identified in the Transmission Customer’s Service Agreement or HVDC Service Agreement.

**System Impact Study:** An assessment by the Transmission Provider and ITC, as applicable, of (i) the adequacy of the Transmission System to accommodate a request for either Firm Point-To-Point Transmission Service or Network Integration Transmission Service and (ii) whether any additional costs may be incurred in order to provide Transmission Service. System Impact Studies for any transmission facilities not under the operational control of the Transmission Provider or ITC shall be performed by the Transmission Owner or applicable ITC Participant or any entity the Transmission Provider designates to perform the studies.

**System Losses:** The transmission losses experienced on the Transmission System as determined by the Network Model.

**System Operating Limit (SOL):** The value (such as MW) that satisfies the most limiting of the prescribed operating criteria for a specified system configuration to ensure operation within acceptable reliability criteria. Also referred to as Operating Security Limit.

**System Purchase Contracts:** Agreements for the purchase of Energy that do not specify the Resource(s) that the seller shall select to supply such Energy at any particular time; provided, however, that such agreements may identify the group of Resources from
which the seller may make its selection; provided, further that this term does not include agreements with Manitoba Hydro involving the supply of Energy from resources in Canada up to or at the U.S. border.

**System Restoration Plans:** The plans developed by the individual Transmission Operators, and coordinated by the Transmission Provider acting in its capacity as the Reliability Coordinator, to enable a system restoration zone to re-energize the Transmission System following a system-wide blackout.

**System Support Resource (SSR):** Generation Resources or Synchronous Condenser Units that have been identified in Attachment Y – Notification to this Tariff and are required by the Transmission Provider for reliability purposes, to be operated in accordance with the procedures described in Section 38.2.7 of this Tariff.

**SSR Agreement:** An agreement identified as Attachment Y 1 to this Tariff that the Transmission Provider, the owner or operator of an SSR Unit executes to provide the terms and conditions under which the SSR Unit will be operated and compensated.

**SSR Notification:** The form in Attachment Y of this Tariff that the owner or operator of a Generation Resource or a Synchronous Condenser Unit must complete and send to the Transmission Provider at least twenty-six (26) weeks prior to Retiring or Suspending any Generation Resource or Synchronous Condenser Unit located within the Transmission Provider Region, consistent with the requirements in Section 38.2.7.

**SSR Unit:** A Generation Resource or a Synchronous Condenser Unit that is operated and compensated in accordance with an SSR Agreement.
38.2.7 Generation Suspension, Generation Retirement, and System Support Resources

a. Generator or SCU Notification of Change in Status.

   (i) Notification Procedures for Units.

   An owner of a Generation Resource, Synchronous Condenser Unit (SCU), or a Generator that is directly interconnected to the Transmission System but is Pseudo-tied out of the Transmission Provider’s Balancing Authority Area that is planning to Retire or Suspend operations of all or any portion of that resource must notify the Transmission Provider of such a plan by submitting a completed Attachment Y Notice of Generator or SCU Change of Status (Attachment Y Notice) to the Transmission Provider. This notification provision also applies to a Generation Resource connected to the underlying lower voltage facilities within Transmission Provider region and to Generation Resources that are not directly interconnected to the Transmission System, but are External Resources that are Pseudo-tied into the Transmission Provider’s Balancing Authority Area. The Transmission Provider shall coordinate with the entity to which the External Resource is directly connected to determine whether the External Resource is necessary for reliability of the Transmission System, in accordance with applicable coordinated planning provisions between the Transmission Provider and the regional planning entity to which the External Resource is interconnected.

   The owner of a Generation Resource or SCU shall submit an Attachment Y Notice to the Transmission Provider at least twenty-six (26) weeks prior to changing to Retire or Suspend status, unless the Generation Resource or SCU is inoperable due to Forced Outage in which case Attachment Y Notice must be submitted to the Transmission Provider at least thirty (30) days prior to changing to Retire or Suspend status. The owner of a Pseudo-tied out Generator shall...
submit an Attachment Y Notice to the Transmission Provider at least thirty (30) days prior to the anticipated effective date of change of status.

A Generation Resource or SCU that is inoperable due to Forced Outage or a Pseudo-tied out Generator shall not be designated as an SSR Unit. The owner of a Generation Resource or SCU that is inoperable due to Forced Outage or the owner of a Pseudo-tied out Generator may modify or rescind its Attachment Y Notice by notifying the Transmission Provider of its intention to do so prior to the effective date of the change of status. The interconnection service termination provisions within Section 38.2.7 shall apply to a Generation Resource or SCU that is inoperable due to Forced Outage and a Pseudo-tied out Generator based on the effective date stated in a notification of retirement. The provisions for time limitations on suspension within Section 38.2.7 shall apply to a Generation Resource or SCU that is inoperable due to Forced Outage and a Pseudo-tied out Generator.

A Generation Resource that is designated as a Blackstart Unit by a Transmission Operator in its System Restoration Plans shall not be designated as an SSR Unit to solely provide Blackstart Service. However, the Transmission Provider may determine that SSR Unit status is justified if such Generation Resource is required to maintain the reliability of the Transmission System based on its Attachment Y Reliability Study. Section 38.2.7 shall not modify or alter a Transmission Operator’s obligations under the Tariff to identify Blackstart Units that are included in its System Restoration Plans, or a Blackstart Unit Owner's obligations to comply with the terms of any Blackstart Service agreement, in accordance with Schedule 33, or the requirements of Commission approved reliability standards.
The following exception applies to the Generation Suspension, Generation Retirement and System Support Resource (SSR) provisions in Section 38.2.7: The owner of a Generation Resource or and SCU that requests a Generator Planned Outage or submits a Generator Forced Outage through the Transmission Provider’s outage scheduling system (Control Room Operations Window – CROW or its successor) does not need to submit an Attachment Y Notice to the Transmission Provider if the request does not involve a change of status to Retire or Suspend.

An owner of a Generation Resource, SCU, or a Pseudo-tied out Generator certifies by submitting an Attachment Y Notice that it has made a definitive decision elected to Retire or Suspend a Resource such resource and the Attachment Y Notice shall be executed by an officer of such owner attesting to that claim. The decision to Retire or Suspend may be must be definitive at the time of submittal of the Attachment Y Notice, and remain so, unless modified by rescission as specifically provided in this Section 38.2.7.

An owner may not submit a new Attachment Y Notice to suspend that supersedes an a prior earlier notification unless the prior Attachment Y Notice is rescinded. The new Attachment Y Notice to Suspend operations with notification that the Generation Resource or SCU will Retire, or vice versa, requires at least twenty-six (26) weeks prior notice to the Transmission Provider.

(ii). Confidentiality of Attachment Y Notice.  

The Transmission Provider shall treat all Attachment Y Notices as Confidential Information until the Attachment Y Reliability Study is complete and either of the following occurs: 1) the owner has elected to waive its rescission rights; or 2) the resource fails to return to
operation before the period for rescission has lapsed; 3) public release is required under Section 38.2.7.b in order to evaluate the need for an SSR Agreement; or 4) Retire date certified by the owner in an Attachment Y Notice unless the information is otherwise publicly disclosed by the owner of a Generation Resource, SCU, or a Pseudo-tied out Generator or unless otherwise provided in Section 38.2.7. The Transmission Provider shall promptly post on OASIS that an Attachment Y Notice was submitted, along with the effective date of retirement, under the first three of these circumstances.

(iii) Notification of the Outage Scheduler After Submittal of Attachment Y Notice.

After receipt of an Attachment Y Notice, the Transmission Provider shall schedule such outage notification through the Transmission Provider's Control Room Operations Window ("CROW") outage scheduling system, or successor system, to coordinate the outage planning of a Generation Resource or SCU through CROW, on behalf of the owner.

b. SSR Unit Procedures.

System Support Resource (SSR) procedures provide a mechanism for the Transmission Provider to enter into agreements with Market Participants that own or operate Generation Resources or Synchronous Condenser Units (SCUs) that are required by the Transmission Provider to maintain reliability of the Transmission System, if all or a specified portion of the capacity of such Generation Resources or SCUs would otherwise either Retire or Suspend. SSR Agreements are a last-resort measure to address a reliability issue on the Transmission System facilities under the functional control of the Transmission Provider and shall only be entered into once all potential SSR Agreement alternatives have been examined.

Effective On: July 16, 2018
An owner of a Generation Resource or SCU must submit all necessary information to enable the Transmission Provider to evaluate whether SSR Unit status is appropriate for such Generation Resource or SCU. If, after completing a reliability study (Attachment Y Reliability Study) and analyzing potential alternatives (Attachment Y Alternatives Study), the Transmission Provider determines that SSR Unit status is justified for a Generation Resource or SCU, that is not subject to an exception under Section 38.2.7.a, then the Transmission Provider and Market Participant of such Generation Resource or SCU shall enter into an SSR Agreement, in accordance with the Attachment Y-1 form of agreement. The SSR Unit will be operated in accordance with the terms of the SSR Agreement, which contains detailed terms and conditions regarding operation and compensation of such Generation Resource or SCU. The Transmission Provider shall periodically review the reliability requirements of the Transmission Provider Region and shall determine which, if any, SSR Agreements should be extended.

The Transmission Provider shall use reasonable efforts to respond to the owner within 75 Calendar Days after receipt of the Attachment Y Notice, regarding whether the subject of an Attachment Y Notice appears to be required for transmission system reliability, unless an alternative date is agreed to by the owner and the Transmission Provider.

If the Attachment Y Reliability Study determines that a reliability concern exists, and a response is provided by the Transmission Provider to the owner, then the Transmission Provider shall promptly post on OASIS: (1) that an Attachment Y Notice was submitted; (2) that the Transmission Provider's Attachment Y Reliability Study concluded that the Generation Resource or SCU was required for the reliability of the Transmission System; (3) the draft report on the Attachment Y Reliability Study with the CEII information redacted from the report; and (4) how
the associated SSR Unit costs would be allocated in the event that the Generation Resource or SCU is required to provide service under an SSR designation. Transmission Provider enters into an SSR Agreement.

The Transmission Provider shall discontinue Confidential treatment of an Attachment Y Notice and Attachment Y Reliability Study in the event that the Attachment Y Reliability Study results determine that the Generation Resource or SCU is required to maintain system reliability and would be eligible for treatment as an SSR Unit. The Transmission Provider may use information related to Retire or Suspend status in its Transmission Planning processes (pursuant to Attachment FF and the Transmission Planning BPM) and in its Generator Interconnection process (pursuant to Attachment X and the Generation Interconnection BPM), provided that recipients of the information have signed appropriate Non-Disclosure Agreements with the Transmission Provider.

c. Evaluation of Need for the SSR Designation.

The Transmission Provider will perform an Attachment Y Reliability Study to determine whether the Generation Resource or SCU is necessary for the reliability of the Transmission System based on the analyses described in this section and the criteria set forth in the Business Practices Manuals, but will not determine in this initial analysis the available alternatives to designating the Generation Resource or SCU as an SSR Unit.

In collaboration with the affected Transmission Owners, the Transmission Provider will cause an evaluation to be performed of transmission system conditions (an Attachment Y Reliability Study) that result from the change in status of the unit(s) subject to Attachment Y notification requirements. The evaluation will consider the performance of the transmission
system to determine if thermal or voltage violations of applicable NERC Standards and Transmission Owner planning criteria occur when the unit is offline compared to conditions when the unit is online. The scope of this evaluation will include a steady state analysis, and may require analyses of stability and import limitations for the particular study area. Study cases will be derived from approved MTEP models that are representative of the period of time for which the retirement or suspension of the unit(s) is requested, and will include models that represent near-term and/or longer-term scenarios as appropriate for the study period. Models that are developed to reflect both the online and offline status of the unit being evaluated will be analyzed to compare the differences in results to determine the impact of the unit on the transmission system. The results of the evaluation will be reviewed with the participating Transmission Owners to verify the Transmission Provider’s findings and to evaluate proposed solutions that should be considered to address the reliability issues. The need to retain a unit(s) as a System Support Resource, absent implementation of a feasible alternative, shall be determined by the presence of unresolved reliability violations on the Transmission System that is under the functional control of the Transmission Provider.

The Transmission Provider shall post the determination of reliability need on the Transmission Provider’s OASIS and shall: (1) begin negotiations of a potential SSR Agreement with the Market Participant owning or operating the Generation Resource or SCU; and (2) use reasonable efforts to hold a stakeholder meeting pursuant to Attachment FF within thirty (30) Calendar Days to review alternatives to the potential SSR Unit designation or designations (if multiple Attachment Y Notices apply). The Transmission Provider will schedule subsequent stakeholder meetings as needed. The Transmission Provider shall complete the Attachment Y
Alternatives Study within 26 weeks after receipt of an Attachment Y Notice, if the Attachment Y Notice provides only 26 weeks of advance notification, unless otherwise agreed to by the owner of the potential SSR Unit. If no alternative is identified as available by the Attachment Y Notice date to Retire or Suspend, then the Transmission Provider shall file the SSR Agreement with an effective date as of the Attachment Y Notice date to Retire or Suspend.

Before entering into an SSR Agreement with any Generation Resource or SCU, the Transmission Provider shall assess, in an open and transparent planning process in accordance with the provisions of the Transmission Expansion Planning Protocol Attachment FF to the Tariff, feasible alternatives to the proposed SSR Agreement. The list of alternatives to SSR Unit status that the Transmission Provider shall consider and expeditiously approve as applicable include (depending upon the type of reliability concern identified): (i) redispatch/reconfiguration through operator instruction; (ii) remedial action plans; (iii) special protection schemes initiated upon Generation Resource trips or unplanned Transmission Outages; (iv) contracted demand response or Generator alternatives; and (v) transmission expansions. Consistent with Section B.1.b of Attachment FF, the Transmission Provider will review and evaluate alternatives to an SSR Agreement on a comparable basis and select the most appropriate solution. Comparability includes the ability of the Transmission Provider to require contractual assurances that the party who provides the alternative solution will implement the solution before the Generation Resource or SCU with the Attachment Y Notice is permitted to Retire or Suspend. The executed contractual arrangements must provide a binding arrangement that obligates the Market Participant who provides the alternative solution to complete any required infrastructure changes that are needed to avoid the reliability issues that would otherwise be addressed by transmission
upgrades. While the contractual arrangements will vary based on the particular solution, the terms of the contractual arrangements must further obligate the party who provides the alternative solution to implement actions when required by the Transmission Provider to provide necessary relief. A Generator alternative may be a new Generator, an existing Generator that is made available after the Attachment Y Reliability Study is completed, or an increase to existing Generator capacity that has an executed Generator Interconnection Agreement pursuant to Attachment X for a Commercial Operation Date that is prior to the commencement of the change of status date of the Generation Resource or SCU that has submitted an Attachment Y Notice and must be registered as a Generation Resource that is obligated to offer into the market and respond to instructions from the Transmission Provider. Contractual commitments associated with demand-side resource alternative solutions shall require demonstration to the Transmission Provider of an executed contract between LSE or ARC and Energy Consumers as well as necessary procedures and protocols for responding to Transmission Provider instructions. Such demand-side contracts must be in place by the time that the SSR Agreement alternative solution would otherwise need to be committed in order to ensure a timely solution to the identified planning need, and must be of a sufficient duration such that a reliable alternative solution can be assured. In assessing applicability for SSR status, the Transmission Provider will not require continued operation when the continued operation of a portion or all of Generation Resources or SCUs would be contrary to applicable law, regulations, or court or agency orders (such as a settlement with an environmental agency or a consent decree approved by a court). In performing the Attachment Y Reliability Study and the Attachment Y Alternatives Study to an SSR Agreement, the Transmission Provider shall collaborate with the affected Transmission
Owners and NERC-registered Transmission Planners, and if appropriate, may consult with a retained consultant. The Transmission Provider will appropriately identify any Confidential Information regarding a decision to Retire or Suspend decision before the Transmission Provider transfers such information to any entity. An entity that receives Confidential Information must agree in writing to maintain such confidentiality, to comply with any confidentiality obligations owed to Transmission Provider under the Tariff or pursuant to a related non-disclosure agreement, and to comply with applicable Standards of Conduct found in 18 C.F.R. § 358. The owner of the Generation Resource or SCU subject to review under this section shall make good faith efforts to minimize the costs to be incurred by seeking any available waivers or exemptions from environmental or other regulatory requirements that would necessitate improvements to the potential SSR Unit. The Transmission Provider will reasonably assist the owner of a potential SSR Unit in working with regulatory agencies to obtain environmental or other waivers or exemptions to the extent necessary to maintain the reliability of the Transmission System. For purposes of determining whether a Generation Resource or SCU qualifies as an SSR Unit, the Transmission Provider will process multiple Attachment Y Notices in the order in which the Attachment Y Notices are received. If a subsequent Attachment Y Notice is received before a determination is made for a Generation Resource or SCU that is the subject of a prior Attachment Y Notice, the Generation Resource or SCU that is the subject of a prior Attachment Y Notice will not be the subject of an SSR Agreement to avoid reliability issues caused by the subsequently noticed retirement or suspension of another Generation Resource or SCU.
The filing of a SSR Agreement with FERC shall be accompanied by a corresponding report on the Attachment Y Reliability Study and the Attachment Y Alternatives Study that details the methodologies used, study assumptions, Transmission Owner planning criteria used (including when the criteria became effective and the approving regulatory body, if any), analysis results, an evaluation of alternatives and the conclusion of the study (including a short explanation of the proposed solution to any reliability issue identified and estimated timetables for implementing the preferred solution). An affirmation that the results, in whole or in part, from a previously filed report remain applicable may substitute for filing an entirely new report on the Attachment Y Reliability Study and the Attachment Y Alternatives Study.

d. Modification or Rescission of an Attachment Y Notice.

   (i) Rescission of an Attachment Y Notice Prior to the Transmission Provider’s Reliability Study Response.

   The Transmission Provider shall notify the owner prior to publicizing the Attachment Y Notice and Attachment Y Reliability Study results that the Attachment Y Reliability Study is complete. However, the Transmission Provider shall not provide any information related to the Attachment Y Reliability Study results to the owner at that time. The owner may rescind its Attachment Y Notice by submitting an amended Attachment Y Notice to the Transmission Provider stating its intention, notifying the Transmission Provider of such rescission via electronic communication and certified mail not more than fifteen (15) Business Days after receiving notice from the Transmission Provider that the Attachment Y Reliability Study is complete. In the event of such rescission, in which case the confidentiality of the Attachment Y Notice shall be preserved. If the owner rescinds an Attachment Y Notice, then such owner shall
not receive the results of the Attachment Y Reliability Study and such owner shall pay the Transmission Provider 100% of the costs that the Transmission Provider has incurred in conducting an Attachment Y Reliability Study up until the date of such rescission.

(ii) Modification or Recission of an Attachment Y Notice After the Owner of Generation Resource or SCU Receives the Results of Attachment Y Reliability Study, but Prior to Commencing Suspension, Retirement, or an SSR Agreement.

(1) An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a definitive decision to Suspend, and for which the Transmission Provider has determined that the Generation Resource or SCU is not necessary for the reliability of the Transmission System, may rescind its decision to Suspend by notifying the Transmission Provider in writing of the intention to do so any time prior to the end of the period for rescission following the effective date or may modify the start of the suspension any time prior to the original effective date by submitting an amended Attachment Y Notice to the Transmission Provider stating its intention, or may modify dates of Suspension by submitting an amended Attachment Y Notice with the revised dates. If any the revised date for Suspension fall outside of a Suspension period, the new Attachment Y Notice shall be submitted to the Transmission Provider at least twenty-six (26) weeks prior to the effective date of Suspension.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is not necessary for the reliability of the Transmission System, may elect to convert the Attachment Y Notice to
An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a definitive decision to Retire, and for which the Transmission Provider has determined that the Generation Resource or SCU is not necessary for the reliability of the Transmission System, may not rescind its Attachment Y Notice. However the owner may modify its decision to Retire by re-entering the generator interconnection queue.

An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a definitive decision to Suspend or Retire, and for which the Transmission Provider has determined that the Generation Resource or SCU is required as an SSR Unit may rescind its decision to Retire or Suspend or modify the date of suspension at any time while designated as an SSR Unit by submitting a written rescission of its amended Attachment Y Notice specifying the modified effective date or stating may modify its decision to Retire or Suspend by submitting an amended Attachment Y Notice with a modified effective date rescind.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is required as an SSR
Unit may elect to convert the Attachment Y Notice to retirement by notifying the Transmission Provider of its intent to waive the right to both rescind and modify the Attachment Y Notice for the initial rescission period of the Attachment Y Notice. The owner that provides such notification will retain rescission rights (i.e. those additionally acquired by virtue of operating as an SSR Unit) only while designated as an SSR Unit after which time the Generation Resource or SCU will have a Retire status and the interconnection service will be terminated in accordance with Section 38.2.7.k.

(iii) **Modification or Rescission of an Attachment Y Notice After Commencing a Suspension, Retirement, or an SSR Agreement**.

(1) An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a definitive decision to Suspend, and for which the resource has not been designated as an SSR Unit or is not continuing to operate pursuant to an SSR Agreement, may rescind its decision to Suspend by submitting an amended Attachment Y Notice to the Transmission Provider stating its intention to rescind any time during the period for rescission following the effective date.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is not necessary for the reliability of the Transmission System, may elect to convert the Attachment Y Notice to retirement by notifying the Transmission Provider of its intent to waive the right to rescind and modify the Attachment Y Notice. After the owner has waived the right to rescind, the Generation Resource will have a Retire status, and the interconnection service will be terminated in accordance with Section 38.2.7.k. The Attachment Y Notice will no longer be treated as
confidential information once the owner has elected to waive their right to rescind and committed to retirement of the Generation Resource or SCU.

by notifying the Transmission Provider in writing of the intention to do so or may modify dates of suspension by submitting an amended Attachment Y Notice with the revised dates. If any revised date for suspension fall outside of a suspension period originally submitted in the Attachment Y Notice, a new Attachment Y Notice shall be submitted to the Transmission Provider at least twenty-six (26) weeks prior to the effective date of additional suspension period.

(2) An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a definitive decision to Retire, and for which the Transmission Provider has determined that the Generation Resource or SCU is not necessary for the reliability of the Transmission System, or is no longer required to operate under SSR Agreement, may not rescind its Attachment Y Notice. However the owner may modify its decision to Retire by re-entering the generator interconnection queue.

(23) An owner of an SSR Unit may rescind its decision to Suspend or to Retire or modify the effective date of suspension prior to the termination date of the SSR Agreement by notifying the Transmission Provider in writing of the intention to do so, or may modify its decision to Suspend or to Retire by submitting an amended Attachment Y Notice with specifying the modified effective date or stating its intention to rescind. After receiving an amended Attachment Y Notice written notification from an owner of an SSR Unit to rescind or modify its decision to Suspend or to Retire, the Transmission Provider will then exercise the termination provisions of the SSR Agreement.
At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is required as an SSR Unit may elect to convert the Attachment Y Notice to retirement by notifying the Transmission Provider of its intent to waive the right to both rescind and modify the Attachment Y Notice for the initial rescission period of the Attachment Y Notice. The owner that provides such notification will retain rescission rights (i.e. those additionally acquired by virtue of operating as an SSR Unit) only while designated as an SSR Unit after which time the Generation Resource or SCU will have a Retire status and the interconnection service will be terminated in accordance with Section 38.2.7.k.

e. Refund of Costs.

   (i) If the owner of a Generation Resource or SCU that notifies the Transmission Provider of a decision to Suspend and for which the Transmission Provider has not determined the Generation Resource or SCU is needed for reliability rescinds an Attachment Y Notice prior to commencing suspension, then such owner shall pay the Transmission Provider all of the costs that the Transmission Provider incurred in conducting an Attachment Y Reliability Study.

   (ii) The Market Participant that owns or operates an SSR Unit must refund to the Transmission Provider with interest at the FERC-approved rate, all costs, less depreciation, for repairs and capital expenditures that were needed to continue operation of the Generation Resource or SCU and to meet applicable regulations and other requirements (including environmental) while the Generation Resource or SCU was subject to an SSR Agreement if the owner: (1) rescinds its decision to Suspend or to Retire the unit while it is designated a SSR; (2) rescinds its decision to Suspend following its previous designation as an SSR Unit; or (23)
returns a unit to service following its previous designation as an SSR Unit and later retirement of the unit.

; or (3) returns a unit to service on schedule (i.e. returns to service consistent with an Attachment Y Notice to Suspend operations) from the designation as an SSR Unit.

(iii) An owner of a Generation Resource or SCU that returns the unit to service upon failure to Retire or Suspend according to an Attachment Y Notice (i.e. returns from retirement or returns to service prematurely, rescinds the Attachment Y Notice) including a Generation Resource or SCU that was not a SSR Unit, a former SSR Unit that no longer operates pursuant to an SSR Agreement, or an SSR Unit) will be allocated the total costs of Network Upgrades incurred or financially committed to as of the date of the notification of modification of the decision to Retire or Suspend if all the following apply:

- the rescission obviates the need for such Network Upgrades that were identified by the Transmission Provider; the Transmission Provider has identified the need for Network Upgrades in an Attachment Y Reliability Study;

- such Network Upgrades that were necessitated solely by the Attachment Y Notice to Retire or Suspend;

- such Network Upgrades were approved by the Transmission Provider’s Board of Directors as Attachment FF Appendix A projects.

The total costs will include all pre-construction costs and interest at the FERC-approved rate.

Such an owner will also be allocated the costs of expedited construction of such Network Upgrades that were approved for purposes other than dealing with needs identified in an
Attachment Y Reliability Study to the extent that such expedited construction was necessitated by the Attachment Y Notice to Retire or Suspend.

In the event that multiple Attachment Y studies identified reliability issues that required the Network Upgrades and the owners of the units subject to the studies return their units to operation upon failure to Retire or Suspend (i.e. return from retirement or rescind the Attachment Y Notice or to service prematurely, including Generation Resources and/or SCUs that were not SSR Units, former SSR Units that no longer operate pursuant to an SSR Agreement, or SSR Units), the owners will be allocated the total costs of such Network Upgrades incurred or financially committed to as of the date of notification of the last modification of a decision to Retire or Suspend if all the following apply:

- (the rescission obviates the need for such Network Upgrades that were identified by the Transmission Provider in the Attachment Y Reliability Study);
- such Network Upgrades were necessitated solely by the Attachment Y Notice to Suspend; and
- if such Network Upgrades were approved by the Transmission Provider’s Board of Directors as Attachment FF Appendix A projects.

The total costs will include all pre-construction costs and interest at the FERC-approved rate. Such owners will also be allocated the costs of expedited construction of such Network Upgrades that were approved for purposes other than dealing with needs identified in an Attachment Y Reliability Study to the extent that such expedited construction was necessitated by an Attachment Y Notice to Retire or Suspend.
Except as provided in this Section, cost responsibility is assigned only for Network Upgrades that are identified to fully alleviate the violations identified in the Attachment Y reliability study in connection with a change in a plan to Retire or Suspend a Generation Resource or SCU. Costs of Network Upgrades that have been identified in the MTEP to address Transmission issues other than the issues identified in the Attachment Y reliability study of a unit that requests retirement or suspension will not be allocated to the owner of that unit if such costs of construction were not expedited as the result of an Attachment Y Notice to Retire or Suspend. In accordance with Attachment FF of the Tariff, the estimated costs of such Network Upgrades are included in the MTEP when it is approved by the Board of Directors of the Transmission Provider for inclusion in the MTEP. The Transmission Provider will solicit from the constructing Transmission Owner the actual costs (including the costs of expediting construction, and pre-construction costs, if any) incurred or committed to as of the date of notification for the last modification of a decision to Retire or Suspend. Each owner shall pay its pro rata share of the incurred or committed Network Upgrade costs, based on the relative Generation Verification Test Capacity of each resource whose operation causes the assignment of Network Upgrade costs to its owner. The Transmission Provider will promptly notify the responsible owner of their share of the total costs once actual costs are determined.

f. **Execution and Filing of SSR Agreement.**

The Transmission Provider shall enter into an SSR Agreement with the Market Participant owning or operating a Generation Resource or SCU that is needed for SSR purposes based on the pro forma Attachment Y-1. The SSR Agreement shall state that it incorporates by reference the compensation authorized by the Commission. Resources that are ineligible to
continue operating for legal or regulatory reasons, however, shall not be required to enter into an SSR Agreement. If a potential SSR Unit is ineligible or an existing SSR Unit becomes ineligible to continue operation, then the Transmission Provider shall seek to minimize the impact to Load by operating the Transmission System in the same manner as for any Resource that becomes ineligible to continue operation due to Forced Outage.

The Transmission Provider will file an SSR Agreement with the Commission for approval if the Transmission Provider's analysis determines that the Generation Resource or SCU is required for reliability of the Transmission System. All potentially affected parties will receive notification of such Commission filing. SSR service is a contracted service between the Market Participant that owns or operates an SSR Unit and the Transmission Provider and shall be for a term of twelve (12) months, unless the Transmission Provider requires a different term. The Transmission Provider must have available the entire capacity specified in the SSR Agreement of each SSR Unit.

g. Operation of SSR Unit.

Once the Transmission Provider has entered into an SSR Agreement with a Generation Resource or SCU, the Transmission Provider shall have the right to dispatch the SSR Unit at any time for reliability of the facilities within the Transmission Provider Region. The Transmission Provider shall make every attempt to minimize the use of an SSR Unit for reliability purposes. The Transmission Provider will commit the SSR Unit when conditions are identified that require the use of the SSR Unit and will make best efforts to minimize the uneconomic commitment of the SSR Unit. The SSR Agreement found in Attachment Y-1 to this Tariff shall provide for equitable compensation to an SSR Unit when it is dispatched by the Transmission Provider.

Effective On: July 16, 2018
h. **Scheduling Rules for SSR Units.**

The Transmission Provider shall notify Market Participants with SSR Units as to the time period of Energy, Operating Reserve, Up Ramp Capability, Down Ramp Capability, and/or Other Ancillary Services required from each SSR Unit in accordance with Section 39.1.5 for the Day-Ahead Energy and Operating Reserve Markets, Section 40.1 for Reliability Assessment Commitment processes, and Section 40.1.A.3 Look Ahead Commitment processes.

i. **SSR Unit Participation in Markets.**

A Market Participant may offer Energy or Ancillary Services from SSR Units into the Day-Ahead Energy and Operating Reserve Market, RAC, or Real-Time Energy and Operating Reserve Market during times when the Transmission Provider has not requested the Market Participant to run the SSR Unit at full capacity unless this would impair the ability of the SSR Unit to provide the Energy, Operating Reserve, Up Ramp Capability, Down Ramp Capability, or Other Ancillary Services when requested by the Transmission Provider.

Market Participants that own or operate an SSR Unit shall not use the SSR Unit to: (i) participate in Interchange Schedules; (ii) except for plant auxiliary Load obligations under the SSR Agreement, use the SSR Unit as a Self-Scheduled Resource to submit Self-Schedules for Energy and/or Operating Reserve; or (iii) submit Self-Schedules for Other Ancillary Services, if applicable, to the extent that Other Ancillary Services are required by the Transmission Provider under this Section.

j. **SSR Unit Compensation.**

(i) The Market Participant will be compensated for only costs incurred for the extended operation as an SSR Unit that do not exceed the full cost-of-service (including the fixed
cost of existing plant). The hourly component of compensation will be provided as stated in this Tariff. For the determination of any additional compensation, the Market Participant shall submit a filing to the Commission under Section 205 of the FPA that states the additional compensation the Market Participant deems appropriate that is associated with the SSR Agreement filed by the Transmission Provider, but the Market Participant shall not separately file an SSR Agreement. The Market Participant shall provide the Transmission Provider and the Independent Market Monitor with a copy of all compensation-related filings regarding a SSR-designated unit.

(ii): Any compensation for the SSR Unit will be reduced by payments for operation of the SSR Unit, according to the provisions in this Tariff. Monthly compensation under Schedule 2 of this Tariff and payments under resource adequacy programs (a percentage of such payments to a Market Participant whose generating unit designations are not made) shall be identified in the filing for compensation submitted by the Market Participant.

Hourly compensation will be provided for those hours in which the SSR Unit has Actual Energy Injections and the SSR Unit is committed by the Transmission Provider in the Day-Ahead Energy and Operating Reserve Market or committed by the Transmission Provider in any of the RAC processes, or in the Look Ahead Commitment (“LAC”) process, including any Reliability Assessment Commitment (“RAC”) process conducted prior to the Day-Ahead Energy and Operating Reserve Market, in which hours the Transmission Provider shall calculate the Market Participants’ Production Cost and Operating Reserve Cost. For the purposes of this calculation, “Production Cost” means the Energy output cost pursuant to Section 39.3.2B Day-Ahead Revenue Sufficiency Guarantee Payments of the Tariff for commitments by the
Transmission Provider in the Day-Ahead Energy and Operating Reserve Market or the Energy output cost pursuant to Section 40.2.19 Real-Time Sufficiency Guarantee of the Tariff for commitments by the Transmission Provider in any of the RAC processes, or in the LAC process, including any RAC process conducted prior to the Day-Ahead Energy and Operating Reserve Market, of each SSR Unit based upon Start Up, No Load, and Energy Offer cost components that reflect the actual costs of physically operating the SSR Unit(s). “Operating Reserve Cost” means the actual cost to provide Operating Reserves. All Production Costs and Operating Reserve Costs will be subject to audit by the Transmission Provider, and will be subject to audit and enforcement by the Independent Market Monitor.

Through the Transmission Provider settlement process, the Transmission Provider will compare the “SSR Unit Compensation,” which (for each SSR Unit) is equal to the sum of Production Cost and Operating Reserve Cost, to the “SSR Unit Energy and Operating Reserve Credit.” The SSR Unit Energy and Operating Reserve Credit are those charges and credits calculated pursuant to Sections 39.3 Day-Ahead Energy and Operating Reserve Market, 40.3 Real Time Energy and Operating Reserve Market Settlement and 40.7 Determination of Inadvertent Energy of the Tariff, plus any revenues from Schedule 2 associated with the SSR Unit or from Planning Resource designation and any charges assessed through Schedule 17 and Schedule 24. In those hours where the SSR Unit Compensation is greater than the SSR Unit Energy and Operating Reserve Credit for that SSR Unit, the Transmission Provider will make the applicable make-whole payment to Market Participant (such make-whole payment to be equal to the difference between the SSR Unit Compensation and the SSR Unit Energy and Operating Reserve Credit). In those hours where the SSR Unit Compensation is less than the
SSR Unit Energy and Operating Reserve Credit, the Transmission Provider will debit from Market Participant (such debit to be equal to the difference between the SSR Unit Energy and Operating Reserve Credit and the SSR Unit Compensation). If the SSR Unit receives revenue pursuant to Sections 39.3 Day-Ahead Energy and Operating Reserve Market and 40.3 Real Time Energy and Operating Reserve Market Settlement of the Tariff in hours other than those described above, the Transmission Provider will debit those revenues from the Market Participant.

(iii) The Market Participant shall file with the Commission for a Monthly SSR Payment for compensation not covered by the hourly compensation stated in the previous subsection. The Market Participant’s filing shall state the requested Monthly SSR Payment along with its sub-components (including amounts for monthly Schedule 2 payments for each SSR Unit) and applicable cost support, including an affidavit executed by an officer of the Market Participant attesting to the accuracy of the submitted cost information. The Market Participant shall provide the Monthly SSR Payment information for each SSR Agreement, including any renewals of an SSR Agreement, and may update the information in a Section 205 filing to revise such Monthly SSR Payment following any material, unforeseen circumstances affecting the SSR Unit that changes the costs incurred by the Market Participant. The Transmission Provider shall pay the Market Participant the Monthly SSR Payment as directed by the Commission, commencing on the effective date established by the Commission.

The filing for the additional compensation should evaluate, at a minimum, the following factors in negotiating compensation for an SSR Unit: (1) operations and maintenance labor expenses directly related to the SSR Unit; (2) administrative expenses directly related to
employees at the SSR Unit, including employee expenses environmental fees, safety and operator training, office supplies, communications, and plant inspection/testing expenses; (3) non-labor maintenance expenses, including chemical and materials consumed during maintenance of the SSR Unit and rental expenses for maintenance equipment used to maintain the SSR Unit; (4) taxes, permit and licensing fees, site security expenses, and insurance; (5) carrying charges, including charges for maintaining reasonable levels of inventories of fuel and spare parts that result from short-term operating unit decisions based on Good Utility Practice; (6) corporate expenses, including those incurred for legal services, environmental reporting, and procurement; (7) costs associated with capitalized projects; (8) depreciation, and (9) return on the undepreciated plant costs for the SSR Unit.

k. Termination of Interconnection Service.

Except as provided in Attachment X, the Transmission Provider shall file with the Commission to terminate the interconnection service to the Transmission Provider's system held by an owner of a Generation Resource or SCU or Pseudo-tied out Generator, that certifies by submitting an Attachment Y Notice that it plans to Retire, Suspend a Generation Resource or SCU or Pseudo-tied out Generator, upon the latter of: (1) the termination of an SSR Agreement; or (2) the Retire date certified by an owner in Attachment Y Notice effective date for which the owner has elected to convert the Attachment Y Notice to retirement by waiving the right to rescind the decision; or (3) the end of the period for rescission for which the owner has not waived the right to rescind. Such termination of interconnection service shall be contained in a filing with the Commission and also posted by the Transmission Provider on its OASIS to the extent that such interconnection service was filed with the Commission, and shall otherwise be terminated by the
Transmission Provider by a posting on its OASIS. If the owner rescinds or modifies the
Attachment Y Notice in accordance with Section 38.2.7.d, the owner of such resource may
retain its interconnection service and continue to operate after the conclusion of an SSR
Agreement or the Retire-date certified specified in the Attachment Y Notice if the owner rescinds
or modifies the Attachment Y Notice in accordance with Section 38.2.7.d.

l. Allocation of SSR Unit Costs.

The costs pursuant to the SSR Agreement shall be allocated to the LSE(s) which
require(s) the operation of the SSR Unit for reliability purposes.

m. Annual Review of SSR Unit Status.

On at least an annual basis, the Transmission Provider will review Generation Resource
or SCU characteristics to determine whether the Generation Resource or SCU is qualified to
remain as an SSR Unit in coordination with a review of the Transmission Provider’s annual
regional transmission expansion plan in accordance with Attachment FF. If an SSR Unit
continues to be required for reliability of the Transmission System, then the Transmission
Provider will have the unilateral right to negotiate and enter into a subsequent SSR Agreement
by providing the Market Participant at least ninety (90) days advance notice prior to the
termination date of the existing SSR Agreement and by negotiating and filing a new SSR
Agreement at the Commission. If not, the SSR Agreement will expire by its own terms and the
Generation Resource or SCU will lose its SSR Unit status and will either Retire or resume
suspension in accordance with the Attachment Y Notice or Retire. Any subsequent SSR
Agreement also shall be filed with the Commission.

n. Time Limitations on Suspension.

Effective On: July 16, 2018
An owner of a Generation Resource or a SCU or a Pseudo-tied out Generator may request suspension pursuant to the provisions of this Section 38.2.7 and remain for a maximum of thirty-six (36) cumulative months during any five (5) year period under any combination of suspended and SSR-designated statuses. An owner of a Generation Resource or a SCU or a Pseudo-tied out Generator that had not exhausted its maximum period may request an additional suspension period by submitting a new Attachment Y Notice twenty-six (26) weeks prior to the effective date of the extension period, provided that the combined period is not greater than thirty-six (36) months in a five (5) year period. If a Generation Resource or a SCU or a Pseudo-tied out Generator does not return to service at the end of the thirty-six (36) month maximum suspension period, the Transmission Provider will terminate interconnection service of the resource pursuant to Section 38.2.7.

o. Non-Binding Informational Studies.

An owner of a Generation Resource or a SCU may complete an Attachment Y-2 to request that the Transmission Provider conduct a study to determine whether it is likely that a portion or all of such Generation Resource of SCU would qualify as an SSR Unit. The Transmission Provider will collaborate with the affected Transmission Owners and NERC-registered Transmission Planners, and if appropriate, will consult with a retained consultant to evaluate whether the facility is required for the reliability of the Transmission System. The Transmission Provider will appropriately identify any Confidential Information regarding a Retire or Suspend decision to Suspend that the Transmission Provider transfers to any entity. An entity that receives Confidential Information must agree in writing to maintain such confidentiality, or to any confidentiality obligations owed to Transmission Provider under the
Tariff or related non-disclosure agreement, and to comply with applicable Standards of Conduct found in 18 C.F.R. § 358. The owner will not be bound to the change of status indicated in an Attachment Y-2 request. Along with a completed Attachment Y-2, such owner shall submit a study deposit of $70,000 to the Transmission Provider for the reasonable costs and expenses of such study. The Transmission Provider shall invoice such owner for all costs and expenses incurred in addition to the deposit amount, or shall refund any unused portion of such deposit upon completion of the study.

The Transmission Provider will process multiple Attachment Y-2 requests in the order in which the Attachment Y-2 requests are received. The Transmission Provider shall use reasonable efforts to submit the results of such study to the owner upon its completion within 75 days of receipt of the deposit and completed Attachment Y-2, unless an alternative period is mutually agreed to. The Transmission Provider shall treat Attachment Y-2 as Confidential Information. If an owner rescinds an Attachment Y-2 study request, then such owner shall not receive the results of the study and the owner shall pay the Transmission Provider all 100% of the total costs incurred in conducting the study up until the date of such rescission.

Once a response is provided by the Transmission Provider to the owner, the Transmission Provider shall promptly notify the Independent Market Monitor of any Resource that may qualify as an SSR Unit. The results of such study will provide the owner with the outcome if the owner elects to submit an Attachment Y Notice to request SSR status in the future and does so in accordance with Section 38.2.7.p.
The Transmission Provider shall maintain regional power flow models pursuant to Section 1.C of Attachment FF, for use by the owner of a Generation Resource or a SCU choosing to conduct a study.


The Attachment Y Notice following a non-binding Y-2 request must be submitted at least 26 weeks prior to the date of the planned change of status. The Transmission Provider shall conduct the subsequent Attachment Y process consistent with timeline and milestones in Section 38.2.7.

q. Transition to New Attachment Y Framework.

The Attachment Y Conversion Period shall not apply to an Attachment Y Notice submitted prior to the effective date of the revision of the term “Suspend.” A subsequent decision to Suspend operation or Retire after the end date stated in such notice shall require a new Attachment Y Notice at least 26 weeks prior to the effective date of the new change of status.

The provisions contained in Section 38.2.7.e (“Refund of Costs”) that shall apply are those stated in the Tariff at the time an Attachment Y Notice was submitted to MISO.
ATTACHMENT Y

Notification of Generation Resource/SCU/Pseudo-tied Out Generator

Change of Status

Including Notification of Rescission

This is a notification of change of status of a Generation Resource, Synchronous Condenser Unit ("SCU"), or Pseudo-tied out Generator in accordance with Section 38.2.7.a of the Tariff. An electronic copy of the completed form will be accepted by the Transmission Provider, however, a form will not be considered complete until the original form containing an original signature, including all attachments, is received by the Transmission Provider at the following address:
MISO, Attention: Director of Transmission Planning; 720 City Center Drive, Carmel, IN 46032.

The Transmission Provider may request additional information as reasonably necessary to support operations under the Tariff.

Owner of the Generation Resource, SCU or Pseudo-tied out Generator:

Name of Market Participant: ________________________________
Owner’s state of organization or incorporation ____________________________

Generation Resource/SCU/Pseudo-tied Out Generator [plant and unit number(s)] __________

Source/Identification of Generation Interconnection Service [name of agreement, parties, date, date filed and docket number, and any other information to identify an agreement] ________

Effective On: July 16, 2018
Pursuant to the terms of the MISO Tariff, Owner has made a definite decision and hereby certifies that it will [check one]

[ ] Decommission and retire all or a portion of the Generation Resource/SCU/Pseudo-tied out Generator commencing on __ [day] of ______ [month] of ________ [year].

[ ] Suspend for economic reasons operation of all or a portion of the Generation Resource/SCU/Pseudo-tied out Generator commencing on ___ [day] of ______ [month] of ________ [year] and will resume operations on ___ [day] of _____ [month] of ________ [year].

[ ] Rescind the current notice to Suspend

The facility is further described as follows:

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<tr>
<th>Unit Name</th>
<th>CPNode (if applicable)</th>
<th>Nameplate Capacity(MW)</th>
<th>Change in Capacity(MW)</th>
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Owner understands and agrees that this notification is binding as provided in accordance with under Section 38.2.7 of the Transmission Provider's Tariff and will not be made public by the Transmission Provider except as provided for under Section 38.2.7 of the Tariff.

The undersigned certifies that he or she is an officer of the owner of the Generation Resource/SCU/Pseudo-tied out Generator, that he or she is authorized to execute and submit this notification, and that the statements contained herein are true and correct.
Signature

Name: ________________________________  Contact Information
Title: ________________________________  Email: ________________________________
Date: ________________________________  Phone: ________________________________

STATE OF _______________
COUNTY OF ___________

Before me, the undersigned authority, this day appeared __________________, known by me to be the person whose name is subscribed to the foregoing instrument, who, after first being sworn by me deposed and said:

“I am an officer of __________________, I am authorized to execute and submit the foregoing notification on behalf of __________________, and the statements contained in such application are true and correct.”

SWORN TO AND SUBSCRIBED TO BEFORE ME, the undersigned authority on this the _____ day of ____________, 20__.

______________________________
Notary Public, State of ___________

My Commission expires __________
ATTACHMENT Y-2

Request for Non-Binding Study Regarding Potential SSR Status

This is a request that the Transmission Provider conduct a non-binding study of the
reliability impacts related to a potential change of status of a portion or all of either a Generation
Resource or a Synchronous Condenser Unit ("SCU"). An electronic copy of the completed form
will be accepted by the Transmission Provider, however, the study application will not be
considered complete until the original form containing an original signature, including all
attachments, and the study deposit funds are received by the Transmission Provider at the
following address:

MISO
Attention: Director of Transmission Expansion Planning
720 City Center Drive
Carmel, IN 46032.

Name of Market Participant owning and/or operating the Generation Resource or SCU

Type of interest in Generation Resource: ☐ Owner of Generation Resource
☐ Operator of Generation Resource

Name of Market Participant owning and/or operating the Synchronous Condenser Unit ("SCU")

Type of interest in SCU: ☐ Owner of SCU
☐ Operator of SCU

Market Participant’s state of organization or incorporation

Effective On: July 16, 2018
Generation Resource/SCU [plant name(s), unit number(s), and unit’s maximum net output]
__________________________________________________________

Market Participant is considering whether to make unavailable a Generation Resource/SCU, and hereby requests a study at Market Participant’s expense to determine the impact of removing the Generation Resource/SCU from service, as specified below.

The start date for the potential removal from service is the ____day of ______,______.

The return to service date to be assumed for the purpose of the requested study is the ____day of ______,______.

Additional operational limits to be considered in the evaluation are described below:

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

The Transmission Provider may request additional information as reasonably necessary to conduct the subject study. If the Market Participant does not provide all of the information requested by the Transmission Provider in a timely manner, then the Transmission Provider may be unable to complete the study within 75 days and will so advise the Market Participant.

A Market Participant will have the right to rescind the request for an informational study by notifying the Transmission Provider prior to its completion of the informational study. In the event of a rescission of an informational study request, the Market Participant shall remain liable for all expenses incurred by the Transmission Provider in conducting the study up until notice of
rescission, however the Transmission Provider shall not release the results to the Market Participant. This request for a non-binding study is not intended to constitute an offer to enter into a binding SSR Agreement pursuant to Section 38.2.7 of the Tariff, but is intended only as a request for a non-binding study of the transmission reliability impacts of a potential future status change of the Generation Resource/SCU.

The Market Participant is enclosing a study deposit of $70,000 made payable to the Transmission Provider, as partial payment for the study’s costs and expenses. The Transmission Provider shall invoice the Market Participant for all costs and expenses reasonably incurred in excess of the deposit amount, or shall refund any remaining portion of such deposit, upon completion of the study. The Market Participant agrees to pay all such invoices.

The Transmission Provider shall use Reasonable Efforts to complete the evaluation no later than seventy-five (75) Calendar Days from the date of receipt of the deposit and completed Attachment Y-2 for the study request. The Market Participant agrees that: (1) the results of such study will only provide the Market Participant with a probability of the outcome if the Market Participant later elects to submit an Attachment Y form under the terms of Section 38.2.7 of the tariff; (2) such study results will not necessarily be binding upon the Transmission Provider if an Attachment Y notification is later made, except as provided for under Section 38.2.7(p) of the Tariff; and (3) the study is being made to explore options and does not mean that the Market Participant has made any decisions about the future status of the facility.

The undersigned certifies that I am an officer of the Market Participant that owns or operates the subject Generation Resource/SCU, that I am authorized to execute and submit this study request on behalf of subject Generation Resource/SCU, and that the statements contained...
herein are true and correct.

Signature

Name: ____________________________
Title: ____________________________
Date: ____________________________
Contact phone number: _______________
Contact email address: _______________
Certification

STATE OF

COUNTY OF

Before me, the undersigned authority, this day appeared __________________, known by me to be the person whose name is subscribed to the foregoing instrument, who, after first being sworn by me deposed and said:

“I am an officer of __________________, I am authorized to execute and submit the foregoing study request on behalf of __________________, and the statements contained in such application are true and correct.”

SWORN TO AND SUBSCRIBED TO BEFORE ME, the undersigned authority on this the _____ day of ____________, 20__.

______________________________
Notary Public, State of ___________

My Commission expires
TAB B
Active Transmission Constraint: Any transmission constraint for which a Resource is committed to avoid exceeding, or to relieve, the constraint limit.

Actual Energy Injections: For a Generation Resource a net Metered volume measured in MWh that flows into the Transmission System during the Operating Day at a specified location that is submitted to the Transmission Provider by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day or, for a Stored Energy Resource or External Asynchronous Resource or Stored Energy Resource – Type II, a net Metered volume measured in MWh that flows into or out of (withdrawal positive, injection negative) the Transmission System during the Operating Day at a specified location that is submitted to the Transmission Provider by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day. For a Demand Response Resource-Type I, or for a Demand Response Resource-Type II, or an EDR resource, a calculated volume in MWh that is equal to the amount as calculated or Metered according to the specifications and protocols in the Measurement and Verification Procedures. The Actual Energy Injection of the Demand Response Resource is calculated by the Transmission Provider based on the meter data submitted by a Market Participant or a Market Participant’s Meter Data Management Agent for each Hour of the Operating Day that is used for Settlement purposes. Given the appropriate qualification, Demand Response Resources-Type I Resources can provide the following products: Energy, Contingency Reserve, and capacity under Module E.

Actual Energy Withdrawal: For a Load Zone where one or more Demand Response Resources Type I are committed for Energy and/or are offered for Contingency Reserve, where one
or more Demand Response Resource Type II are committed during a specific Hour, or
where an EDR resource has reduced load, a calculated volume in MWh that flows out of
the Transmission System during the Operating Day at a specified location that is equal to
the time-weighted average of the Metered volume of the Load Zone for that Hour plus
Actual Energy Injects within the Load Zone for the Demand Response Resources and
EDR resources. For all other Load Zones, a Metered volume measured in MWh that
flows out of the Transmission System during the Operating Day at a specified location.
The Load Zone Metered volume in MWh that flows out of the Transmission System
during the Operating Day, used for the calculation of the Actual Energy Withdrawal, is
submitted to the Transmission Provider by a Market Participant or a Market Participant’s
Meter Data Management Agent for each Hour of the Operating Day that is used for
Settlement purposes. When the Real-Time Ex Post LMP in a Dispatch Interval in which
DRRs are committed for Energy is less than the Net Benefits Price Threshold, the amount
of Actual Energy Injections for all DRRs associated with a given Load Zone are added to
the Metered volume at the specified Load Zone for that Dispatch Interval.

**Actual Resource Response:** The actual movement, in MWs, relative to Setpoint Instructions for
a Resource within a Dispatch Interval.

**Additional Regulating Mileage:** Any Regulating Mileage Target for a Resource in a Dispatch
Interval beyond the amount considered for the Dispatch Interval during the market
clearing.

**Adjusted Financial Transmission Rights Capability:** The expected available transmission
capacity in the FTR Auction, respecting the Simultaneous Feasibility Test, over the
Transmission Provider Region during: (1) a given Month, less FTRs held by existing FTR Holders; or (2) a Season, less FTRs held by existing FTR Holders and baseloding assumptions.

**Affected Participant:** A Market Participant, a person that engages in Market Activities or a person that takes any other service under the Tariff that has provided to the Transmission Provider, Confidential Information that is requested by, or is disclosed to, an Authorized Requestor under a Non-Disclosure Agreement.

**Affiliate:** With respect to a person or entity, any individual, corporation, partnership, firm, joint venture, association, joint stock company, trust or unincorporated organization, directly or indirectly controlling, controlled by, or under common control with, such person or entity.

**Agency Agreement:** The agreement that is Appendix G of the ISO Agreement.

**Aggregate Annual Transmission Revenue Requirement (Aggregate ATRR):** The annual transmission revenue requirement calculated by combining the annual transmission revenue requirements of each individual RFP Respondent and each individual Proposal Participant identified in a Proposal, all as provided in Section VIII.D.4.3 of Attachment FF of the Tariff.

**Aggregate Power Supply Curve:** The combined Energy Offer curves for all Resources, excluding DRRs, which is the capacity from all such resources at each price offered.

**Aggregate Price Node (APNode):** An aggregation of Elemental Pricing Nodes whose LMP is calculated as the sum of the products of the LMP at each Elemental Pricing Node defined in the Aggregate Price Node and the associated pre-established normalized weighting.
factors for the Elemental Pricing Node.

**Aggregator of Retail Customers (ARC):** A Market Participant that represents demand response on behalf of one or more eligible retail customers, for which the participant is not such customers’ LSE, and intends to offer demand response directly into the Transmission Provider’s Energy and Operating Reserve Markets, as a Planning Resource or as an EDR resource.

**Allowance Level:** A description of the mitigation measure described in Module D which allows a Market Participant that is an LSE or represents an LSE, to purchase or schedule a specified portion of its Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability requirements in the Real Time Energy and Operating Reserve Market.

**Alternate Selected Developer(s):** Shall be the RFP Respondent(s) whose Proposal is selected to be the alternate Proposal by the Competitive Transmission Executive Committee, pursuant to Attachment FF of the Tariff, for implementation if the Selected Developer fails to execute or request an unexecuted filing of the Selected Developer Agreement and provide the required Project Financial Security within the timeframe provided in Attachment FF Section VIII.H.

**Ancillary Services:** Those services that are necessary to support Capacity and the transmission of Energy from Resources to Loads while maintaining reliable operation of the Transmission System in accordance with Good Utility Practice.

**Annual ARR Allocation:** The procedure used by the Transmission Provider annually to allocate ARRs and MVP ARRs.

**Annual ARR Registration:** The annual process for registering ARR Entitlements and MVP...
ARR Entitlements.

**Applicable Laws and Regulations:** All duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority having jurisdiction over the Parties, their respective facilities and/or the respective services they provide.

**Applicable Reliability Standards:** Reliability Standards approved by the Federal Energy Regulatory Commission (FERC) under Section 215 of the Federal Power Act relating to operation of the Transmission Provider in carrying out its Reliability Coordinator, Balancing Authority, Market Operator, Transmission Service Provider, and Planning Coordinator functions. In addition to FERC approved standards, any regional reliability criteria and/or standards relating to operation of the Transmission Provider in carrying out the functions listed above.

**Applicant:** An entity desiring to hold FTRs, take Transmission Service, engage in Market Activities or take any other service under this Tariff, or become a Market Participant, Transmission Customer or Coordination Customer under this Tariff.

**Application:** A request by an Eligible Customer for Transmission Service pursuant to the provisions of this Tariff.

**ARR Delivery Point:** The ARR Zone or Interface specified in an ARR where Transmission Service terminates.

**ARR Entitlement(s):** Right to nominate and be allocated ARRs based on transmission usage, upgrades or other basis.
ARR Holder(s): The Market Participant that receives ARRs, or the Transmission Provider to the extent it receives ARRs, through the Annual ARR Allocation.

ARR Obligation: The financial credit or obligation resulting from the difference between the clearing prices from the annual FTR Auction at the ARR Delivery Point and the clearing prices at the ARR Receipt Point.

ARR Receipt Point: The transaction receipt point specified in an ARR.

ARR Settled Exposure: The potential exposure to non-payment associated with ARRs that have been settled.

ARR Stage Factors: The factors that determine the nomination caps in Stage 1A and Stage 1B of the ARR allocation procedure.

ARR Term: The term specified in the ARR.

ARR Transactions Not Yet Settled: The value of the ARRs based on the clearing price(s) established as a result of the most recent annual FTR Auction which have not been settled.

ARR Zone(s): Geographic areas defined for the purpose of allocating ARRs based upon locations where a Market Participant serves Load.

Area Control Error (ACE): The instantaneous difference between Net Actual Interchange and Net Scheduled Interchange, taking into account the effects of frequency bias, including a correction for meter error, expressed in MW.

Asset Owner: An entity identified by a Market Participant through the Transmission Provider registration process that is eligible to be represented by the Market Participant in Market Activities.
**Attachment Y Notice:** A completed form, entitled “Attachment Y Notification of Generator/SCU/Pseudo-tied Out Generator Change of Status, Including Notification of Rescission,” provided to the Transmission Provider to Suspend all or any portion of a resource by an owner of a Generation Resource, Synchronous Condenser Unit (SCU), or a Generator that is directly interconnected to the Transmission System but is Pseudo-tied out of the Transmission Provider’s Balancing Authority Area or to rescind such a notification.

**Attachment Y Conversion Period:** The period between the date of submission of the Attachment Y Notice and the June 1st start of the third full Planning Year following the submittal of the Attachment Y Notice in which the owner of a Generation Resource or SCU may elect to convert an Attachment Y Notice to a notice of retirement by waiving rescission and modification rights and committing to retirement of the asset.

**Auction Clearing Price (ACP):** The price, expressed in $/MW-day, associated with the MW quantity that clears in the Planning Resource Auction for a given LRZ or ERZ for the applicable Planning Year.

**Auction Revenue Rights (ARR):** Entitlements to a share of the revenues generated in the annual FTR Auction.

**Authorized Agency:** (i) a State public utility commission within the geographic limits of the Transmission Provider Region that regulates the distribution or supply of electricity to retail customers or is legally charged with monitoring the operation of wholesale or retail markets serving retail suppliers or customers within its State; (ii) the Organization of MISO States or any successor organization, formed to act as a regional state committee.
within the Transmission Provider Region; or (iii) a state agency that has both access to documents in the possession of a state public utility commission pursuant to state statute and the ability to protect those documents in accordance with the Non Disclosure Agreement.

**Authorized Requestor:** A person who has executed a Non Disclosure Agreement, and is authorized by an Authorized Agency to receive and discuss Confidential Information. Authorized Requestors may include State public utility commissioners, State commission staff, attorneys representing an Authorized Agency, and employees, consultants and/or contractors directly employed by an Authorized Agency, provided, however, that consultants or contractors may not initiate requests for Confidential Information from the Transmission Provider or the IMM.

**Available Non-FTR Financial Security:** For Credit purposes, any Financial Security held in excess of alternative capitalization requirements and Total FTR Obligations and available for securing Non-FTR Potential Exposure.

**Available Transfer Capability:** The maximum amount of additional Energy that may be carried by the Transmission System or by the transmission systems of Coordination Customers under current or projected operating conditions.
Sample Membership Agreement: The document that establishes the rights and obligations between the Electric Generation and Transmission Cooperative (Coop) and its members.

Scarcity Price: The LMP and MCP price levels determined by Demand Curves when insufficient Operating Reserve cleared to meet the Operating Reserve requirement.

Schedule 16 Costs: The monthly charge of costs to be recovered under Schedule 16 of this Tariff shall include any deferred pre-operating costs, direct and indirect capital costs, direct and indirect operating expenses and all other costs associated with administrating the Financial Transmission Rights Administrative Service under this Tariff.

Schedule 17 Costs: The costs to be recovered under Schedule 17 of this Tariff shall include any deferred pre-operating costs, direct and indirect capital costs, direct and indirect operating expenses and all other costs associated with administering the Energy and Operating Reserve Market Support Administrative Service under this Tariff.

Scheduled Injections: Energy scheduled in the Day Ahead Energy and Operating Reserve Market to be injected over an Hour of the Operating Day.

Scheduled Withdrawals: Energy withdrawals scheduled in the Day Ahead Energy and Operating Reserve Market over a given Hour of the Operating Day.

Scheduling Agent: An entity designated by a Market Participant that has the authority to conduct business in the Transmission Provider Region on behalf of the Market Participant.

Scheduling Instructions: Directives issued by the Transmission Provider or Local Balancing Authority to Market Participants with Load Modifying Resources indicating MW quantities to be reduced during Emergencies.
Scheduling Right: Capacity reserved on the Transmission System through the OASIS by a Transmission Customer which may be used to deliver energy and/or capacity from the source to the sink as posted on OASIS, subject to the constraints and rules in the Transmission Provider’s Energy and Operating Reserve Markets and Resource Adequacy Requirements.

SCUC Instructed Hours of Operation: The period beginning when a Resource is synchronized to the Facilities within the MISO Balancing Authority Area in response to the Transmission Provider selecting the Resource in the unit commitment portion of the SCUC process and ends at the later of: (i) the time incorporating the sum of the time when the Resource is synchronized and the Resource’s Minimum Run Time and (ii) the earlier of the time the Resource is forced out of service or the time when the Transmission Provider notifies the Market Participant that the Resource is no longer needed. The SCUC Instructed Hours of Operation cannot extend beyond the Operating Day.

Seams Operating Agreement: An agreement between adjacent balancing authorities or transmission providers for the coordination of operations, including joint operating agreements.

Season: The four (4) seasons are (i) Winter – December, January, February; (ii) Spring – March, April, May; (iii) Summer – June, July, August; and (iv) Fall – September, October, November.


Second Planning Area: The area of the Transmission Provider Region where Entergy
Corporation and its Operating Companies that own and/or operate transmission facilities (i.e., located in Arkansas, Louisiana, Mississippi, or Texas) that are conveyed to the functional control of the Transmission Provider to provide Transmission Service pursuant to Module B of the Tariff. The Second Planning Area shall be formed when the first Entergy Operating Company conveys functional control of its transmission facilities to the Transmission Provider, and may be expanded if other Entergy Operating Companies or adjacent utilities in Arkansas, Louisiana, Mississippi or Texas, join MISO later in the Second Planning Area’s Transition Period.

Second Planning Area’s Transition Period: The period: (i) commencing when the first Entergy Operating Company conveys functional control of its transmission facilities to the Transmission Provider to provide Transmission Service under Module B of this Tariff; (ii) consisting of at least five consecutive (5) years, plus the time needed to complete the MTEP approval cycle pending at the end of the fifth year; (iii) ending on the day after the conclusion of such MTEP approval cycle, which in no case shall be more than six years after the start of that period; and (iv) during which the Transmission Provider shall review and compare the current states of the transmission systems in the First Planning Area and the Second Planning Area and, if a lack of comparability is found, shall identify transmission projects necessary to achieve comparability. The processes for identifying transmission projects necessary to achieve comparability and allocating costs associated with the projects that are so identified during the Second Planning Area’s Transition Period are set forth in Attachment FF-6.

Security Constrained Economic Dispatch (SCED): An algorithm capable of clearing,
dispatching, and pricing Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability in a simultaneously co-optimized basis that minimizes Production Costs and Operating Reserve Costs while enforcing multiple security constraints. The algorithm keeps the commitment of Resources fixed in the dispatch. The model is described in Schedule 29.

**Security Constrained Economic Dispatch Pricing (SCED-Pricing):** An algorithm capable of clearing, dispatching, and pricing Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability in a simultaneously co-optimized basis that minimizes Production Costs and Operating Reserve Costs while enforcing multiple security constraints. The model is described in Schedule 29A.

**Security Constrained Unit Commitment (SCUC):** An algorithm capable of committing Resources to supply Energy, Operating Reserve, Up Ramp Capability, and Down Ramp Capability on simultaneously co-optimized basis that minimizes Capacity costs while enforcing multiple security constraints.

**Selected Developer(s):** The RFP Respondent(s) identified in the Selected Proposal. Selected Developers shall not include Proposal Participants.

**Selected Developer Agreement (SDA):** An agreement, in the form provided in Appendix 1 of Attachment FF of the Tariff, between a Selected Developer, including existing Transmission Owners, ITCs, and Non-owner Members, and the Transmission Provider establishing the terms and conditions under which the Selected Developer will construct and implement the Competitive Transmission Facilities specified in its Selected Proposal. Among other terms, the Selected Developer Agreement shall include any binding cost
control measures, including cost caps, which the Selected Developer specified in its Selected Proposal.

**Selected Proposal:** The Proposal selected for implementation by the Competitive Transmission Executive Committee, pursuant to Attachment FF of the Tariff.

**Self Schedule:** The designation by a Market Participant of a specific amount of Energy and/or Operating Reserve and/or capacity to be supplied from a specific Resource or Planning Resource as a Price Taker.

**Self-Scheduled Resource:** A Resource that is scheduled by a Market Participant and controlled by the same Market Participant under the overall coordination of the Transmission Provider. A Self-Scheduled Resource is a Price Taker for the portion of the Resource that is Self Scheduled.

**Service Agreement:** The initial agreement and any amendments or supplements thereto entered into by the Tariff Customer and the Transmission Provider for service under this Tariff, including, without limitation, any service agreement executed pursuant to Section 27A (an HVDC Service Agreement), Module F, and Attachment KK of the Tariff.

**Service Commencement Date:** The date the Transmission Provider or ITC begins to provide service pursuant to the terms of an executed Service Agreement, or the date the Transmission Provider or ITC begins to provide service in accordance with Section 15.3 or Section 29.1 under this Tariff.

**Setpoint Instruction:** The real-time desired MW output signal calculated for a specific Resource by the Transmission Provider’s control system on a specified periodicity that is equal to the current Energy Dispatch Target plus the Regulating Reserve Deployment instruction
(which may be positive or negative) plus an adjustment to the Energy Dispatch Target to account for Contingency Reserve Deployment Instructions. The Setpoint Instruction represents the desired output level of the Resource.

**Settlement:** The process of determining charges to be paid to or by a Market Participant in the Energy and Operating Reserve Markets operated by the Transmission Provider under this Tariff.

**Settlement Statements:** Reports provided by the Transmission Provider to Market Participants containing some aggregate and some detailed charge type information and determinant data regarding financial obligations for Energy and Operating Reserve Market activities and services, allowing for the verification by the Market Participant of Settlements invoiced amounts.

**Shadow Price:** The marginal value of relieving a particular constraint.

**Shortfall Amount:** The difference between a Resource’s Contingency Resource Deployment Instruction and the actual amount of Contingency Reserve deployed by that Resource at the end of the Contingency Reserve Deployment Period.

**Short-Term Firm Point-To-Point Transmission Service:** Firm Point To Point Transmission Service under Module B of this Tariff with a term of less than one (1) Year.

**Short-Term High-Voltage Direct Current Service:** HVDC Service under Section 27A of this Tariff with a term of less than one (1) year.

**Shut-Down Offer:** The compensation required by a Market Participant for reducing the consumption of a Demand Response Resource Type-I.

**Shut-Down Notification Time:** The amount of notification time required by a Demand
Response Resource-Type I prior to the initiation of demand reduction procedures.

**Shut-Down Time:** The time required for a Demand Response Resource Type I to reduce consumption equal to its Targeted Demand Reduction Level or the time required for a Demand Resource to reduce consumption equal to its targeted Load reduction level or firm service level.

**Significant Trade Reference:** Trade reference provided to Transmission Provider in the registration process which are of a significant nature, as determined by Transmission Provider in its sole discretion.

**Simultaneous Feasibility Test:** A test for a state in which each set of injections and withdrawals associated with receipt point-to-delivery point FTRs and ARRs, and power transfers associated with FTRs and ARRs, would not exceed any thermal, voltage, or stability limits within the Transmission Provider Region under normal operating conditions or for monitored contingencies.

**Single-Developer Proposal:** A Proposal submitted by a single RFP Respondent that would become the sole Selected Developer for the Competitive Transmission Project, should its Single-Developer Proposal be designated as the Selected Proposal by the Transmission Provider.

**Single-Directional-Down Ramp Rate Curve:** The MW/minute ramp rate curve, that may include up to ten (10) linear segments at which a Generation Resource or Demand Response Resource-Type II can respond to the Setpoint Instructions in the downward direction only.

**Single-Directional-Up Ramp Rate Curve:** The MW/minute ramp rate curve, that may include
up to ten (10) linear segments, at which a Generation Resource or Demand Response Resource-Type II can respond to the Setpoint Instructions in the upward direction only.

**Sink Point:** The Commercial Pricing Node at which a Financial Schedule terminates.

**Source Point:** The Commercial Pricing Node at which a Financial Schedule originates.

**Spin Qualified Resource:** A Generation Resource, an External Asynchronous Resource, a Demand Response Resource-Type I, a Demand Response Resource-Type II, or a Stored Energy Resource – Type II that has met the requirements to be eligible to submit Spinning Reserve Offers into the Energy and Operating Reserve Markets.

**Spinning Reserve:** A specified percentage, based on Applicable Reliability Standards, of Contingency Reserve that must be synchronized to the Transmission System and that meets all Applicable Reliability Standards, and that can be converted to Energy within the Contingency Reserve Deployment Period following a deployment instruction.

**Spinning Reserve Offer:** The price, in dollars per MW per Hour, at which a Spinning Reserve Qualified Resource has agreed to sell Spinning Reserve.

**Start-Up Notification Time:** The amount of notification time required by a Generation Resource prior to the initiation of start-up procedures or the amount of notification time required for a Demand Response Resource Type II prior to the initiation of demand reduction procedures, from a hot state, intermediate state and cold state.

**Start Up Offer:** The compensation required by a Market Participant for bringing an off line Generation Resource on line or for reducing consumption of a Demand Response Resource-Type II.

**Start-Up Time:** The number of Hours required to start a Generation Resource, Demand
Response Resource-Type II or LMR and synchronize with the Transmission Provider Region to Hourly Economic Minimum Limit consistent with the Applicable Reliability Standards from a hot state, intermediate state or cold state.

**State Estimator:** A software program used by the Transmission Provider to create a real time assessment of the condition of the Transmission Provider Region.

**State Estimator MWs:** The megawatts that are determined by the State Estimator to be generated at a given location for each Dispatch Interval.

**State of Charge:** The Regulating Reserve available to the Transmission Provider’s markets from a Stored Energy Resource; or the Energy, Capacity, Spinning Reserve, Supplemental Reserve and/or Regulating Reserve available to the Transmission Provider’s markets from a Stored Energy Resource – Type II.

**Statement of Support:** A document that the Transmission Provider provides to Transmission Developer Applicants for submission with a Transmission Developer Application, which: (1) is executed by an Affiliate of a Transmission Developer Applicant; (2) lists specific qualifications, capabilities, and/or competencies that the Affiliate possesses and intends to make available to the Transmission Developer Applicant in order to assist the Transmission Developer Applicant with meeting one or more of the prequalification requirements set forth in Sections VIII.B.4, VIII.B.4.1, VIII.B.4.2, VIII.B.4.3, and/or VIII.B.4.4 of Attachment FF to the Tariff; and (3) authorizes the Transmission Developer Applicant to represent during the annual prequalification and recertification processes set forth in Sections VIII.B.2 and VIII.B.3 of Attachment FF to the Tariff that such
Transmission Developer Applicant will have access to the specified qualifications, capabilities, and/or competencies.

**Station Power:** The Energy used for operating the electrical equipment on the site of a Generation Resource and/or for the lighting, heating, air-conditioning and office equipment needs of buildings located on the site of such a Generation Resource that are used in the operation, maintenance, or repair of the facility. Station Power does not include Energy (i) used for pumping at a pumped storage facility; (ii) to power synchronous condensers; (iii) in association with power system restoration or blackstart service, or (iv) used for charging a Stored Energy Resource or a Stored Energy Resource – Type II. Station Power may only be provided pursuant to Schedule 20 of this Tariff.

**Stored Energy Resource:** A Resource capable of supplying Regulating Reserve, but not Energy, Contingency Reserve, Up Ramp Capability, and Down Ramp Capability through the short-term storage and discharge of electrical Energy in response to Setpoint Instructions.

**Stored Energy Resource Offer:** A Regulating Capacity Offer and a Regulating Mileage Offer submitted by a Market Participant within the MISO Balancing Authority Area for the output of a specified Stored Energy Resource to supply Regulating Reserve to the Energy and Operating Reserve Markets.

**Stored Energy Resource – Type II:** A Resource either behind or in front of the meter capable of supplying Energy, Capacity, Spinning Reserve, Supplemental Reserve, Regulating Reserve, Up Ramp Capability, and/or Down Ramp Capability, through the storage and discharge of electrical Energy in response to Setpoint Instructions, including but not limited to negative dispatch levels, and whose State of Charge is managed by the Market.
Participant operating the Resource. A Stored Energy Resource – Type II shall be registered, modeled, offered and dispatched, as well as monitored and mitigated, as a Demand Response Resource – Type II, and shall use the Offer template for a Demand Response Resource – Type II, provided, that:

1. An SER – Type II will not be settled and compensated as a Demand Response Resource – Type II for any negative dispatch, and instead shall be treated as a regular Generation Resource for settlement purposes, except that an SER – Type II shall not be eligible for Day-Ahead Revenue Sufficiency Guarantee Payments, Real-Time Revenue Sufficiency Guarantee Credit, Real-Time Offer Revenue Sufficiency Guarantee Payment and Day-Ahead Margin Assurance Payment.

2. Reference Levels of SER – Type II shall be determined in accordance with section 64.1.4.a.i, 64.1.4.a.ii, and 64.1.4.b.i of this Tariff.

Stored Energy Resource – Type II Offer: An Offer submitted by a Market Participant within the MISO Balancing Authority Area for the output of a specified Stored Energy Resource – Type II to supply Energy, Capacity, Spinning Reserve, Supplemental Reserve and/or Regulating Reserve to the Energy and Operating Reserve Markets.

Sub-Area: A Reserve Zone, or any other portion of the MISO Balancing Authority Area identified by MISO as described in MISO’s emergency operating procedures, that may require the implementation of emergency actions to address a local reliability problem.

Sub-Regional Export Constraint (SREC): The amount of Planning Resources in megawatts modeled in the PRA within an applicable Sub-Regional Resource Zone (SRRZ) that can be cleared in excess of the total individual LRZ’s PRMR comprising the SRRZ in
accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

**Sub-Regional Import Constraint (SRIC):** The amount of Planning Resources in megawatts modeled in the PRA, not within an applicable Sub-Regional Resource Zone (SRRZ), that can be cleared to meet the total PRMR of the individual LRZs comprising the SRRZ in accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

**Sub-Regional Power Balance Constraint:** A net Energy injection and withdrawal constraint established to manage intra-regional flows in accordance with applicable seams agreements, coordination agreements, transmission service agreements, or operating procedures.

**Sub-Regional Power Balance Constraint Demand Curve:** A demand curve used to price Sub-Regional Power Balance Constraints.

**Sub-Regional Resource Zone (SRRZ):** A zone, comprised of a LRZ or combination of two or more LRZs, established by the Transmission Provider for Resource Adequacy Requirements under Module E-1 or E-2 to administer constraints in accordance with applicable seams agreements, coordination agreements, or transmission service agreements.

**Supervisory Control and Data Acquisition (SCADA) Data:** The electric system security data that is used to monitor the electrical state of facilities, as specified in NERC Policy 4.

**Supplemental Qualified Resource:** A Spin Qualified Resource, or a Demand Response Resource-Type I or, a Generation Resource, Demand Response Resource Type-II, Stored
Energy Resource – Type II, or an External Asynchronous Resource that is not a Spin Qualified Resource that has met the requirements to be eligible to submit Supplemental Reserve Offers into the Energy and Operating Reserve Markets.

**Supplemental Reserve:** Contingency Reserve that is not considered Spinning Reserve that can be converted to Energy within the Contingency Reserve Deployment Period and that meets all Applicable Reliability Standards.

**Supplemental Reserve Offer:** The price, in dollars per MW per Hour, at which a Demand Response Resource Type I or an External Asynchronous Resource that is a Supplemental Reserve Qualified Resource has agreed to sell Supplemental Reserve.

**Suspend:** The cessation of operation of a Generation Resource or an SCU for more than two (2) months commencing on a specified date that is provided to the Transmission Provider, that includes the right to rescind or modify the Attachment Y Notice for a period ending no later than thirty-six (36) months after the start date specified in an original (i.e. initial, first) Attachment Y Notice, consistent with the requirements in Section 38.2.7 and Attachment X.

**Synchronous Condenser Unit (SCU):** A facility that can be synchronized to the Transmission Provider’s Transmission System without producing Energy.

**System Auction Clearing Price (System ACP):** The marginal value (“shadow price”) associated with the system-wide Demand constraint. This Demand constraint ensures that the amount cleared, in all LRZs, is at least equal to the total PRMR in all LRZs. The marginal value of this constraint provides a quantitative result of the value of obtaining the marginal MW from the non-export-constrained LRZ(s).
System Condition: A specified condition on the Transmission System or on a neighboring transmission system, such as a constrained transmission element or flowgate, that may trigger Curtailment of Long-Term Firm Point-To-Point Transmission Service or Long-Term Firm HVDC Service using the curtailment priority pursuant to Section 13.6 or 27A.1.5 of this Tariff, respectively. Such conditions must be identified in the Transmission Customer’s Service Agreement or HVDC Service Agreement.

System Impact Study: An assessment by the Transmission Provider and ITC, as applicable, of (i) the adequacy of the Transmission System to accommodate a request for either Firm Point-To-Point Transmission Service or Network Integration Transmission Service and (ii) whether any additional costs may be incurred in order to provide Transmission Service. System Impact Studies for any transmission facilities not under the operational control of the Transmission Provider or ITC shall be performed by the Transmission Owner or applicable ITC Participant or any entity the Transmission Provider designates to perform the studies.

System Losses: The transmission losses experienced on the Transmission System as determined by the Network Model.

System Operating Limit (SOL): The value (such as MW) that satisfies the most limiting of the prescribed operating criteria for a specified system configuration to ensure operation within acceptable reliability criteria. Also referred to as Operating Security Limit.

System Purchase Contracts: Agreements for the purchase of Energy that do not specify the Resource(s) that the seller shall select to supply such Energy at any particular time; provided, however, that such agreements may identify the group of Resources from
which the seller may make its selection; provided, further that this term does not include agreements with Manitoba Hydro involving the supply of Energy from resources in Canada up to or at the U.S. border.

**System Restoration Plans:** The plans developed by the individual Transmission Operators, and coordinated by the Transmission Provider acting in its capacity as the Reliability Coordinator, to enable a system restoration zone to re-energize the Transmission System following a system-wide blackout.

**System Support Resource (SSR):** Generation Resources or Synchronous Condenser Units that have been identified in Attachment Y – Notification to this Tariff and are required by the Transmission Provider for reliability purposes, to be operated in accordance with the procedures described in Section 38.2.7 of this Tariff.

**SSR Agreement:** An agreement identified as Attachment Y 1 to this Tariff that the Transmission Provider, the owner or operator of an SSR Unit executes to provide the terms and conditions under which the SSR Unit will be operated and compensated.

**SSR Notification:** The form in Attachment Y of this Tariff that the owner or operator of a Generation Resource or a Synchronous Condenser Unit must complete and send to the Transmission Provider at least twenty-six (26) weeks prior to Retiring or Suspending any Generation Resource or Synchronous Condenser Unit located within the Transmission Provider Region, consistent with the requirements in Section 38.2.7.

**SSR Unit:** A Generation Resource or a Synchronous Condenser Unit that is operated and compensated in accordance with an SSR Agreement.
38.2.7 Generation Suspension, Generation Retirement, and System Support Resources

a. Generator or SCU Notification of Change in Status.

   (i) Notification Procedures for Units.

   An owner of a Generation Resource, Synchronous Condenser Unit (SCU), or a Generator that is directly interconnected to the Transmission System but is Pseudo-tied out of the Transmission Provider’s Balancing Authority Area that is planning to Suspend operations of all or any portion of that resource must notify the Transmission Provider of such a plan by submitting a completed Attachment Y Notice to the Transmission Provider. This notification provision also applies to a Generation Resource connected to the underlying lower voltage facilities within Transmission Provider region and to Generation Resources that are not directly interconnected to the Transmission System, but are External Resources that are Pseudo-tied into the Transmission Provider’s Balancing Authority Area. The Transmission Provider shall coordinate with the entity to which the External Resource is directly connected to determine whether the External Resource is necessary for reliability of the Transmission System, in accordance with applicable coordinated planning provisions between the Transmission Provider and the regional planning entity to which the External Resource is interconnected.

   The owner of a Generation Resource or SCU shall submit an Attachment Y Notice to the Transmission Provider at least twenty-six (26) weeks prior to changing to Suspend status, unless the Generation Resource or SCU is inoperable due to Forced Outage in which case Attachment Y Notice must be submitted to the Transmission Provider at least thirty (30) days prior to changing to Suspend status. The owner of a Pseudo-tied out Generator shall submit an Attachment Y Notice to the Transmission Provider at least thirty (30) days prior to the
anticipated effective date of change of status.

A Generation Resource or SCU that is inoperable due to Forced Outage or a Pseudo-tied out Generator shall not be designated as an SSR Unit. The provisions for time limitations on suspension within Section 38.2.7 shall apply to a Generation Resource or SCU that is inoperable due to Forced Outage and a Pseudo-tied out Generator.

A Generation Resource that is designated as a Blackstart Unit by a Transmission Operator in its System Restoration Plans shall not be designated as an SSR Unit to solely provide Blackstart Service. However, the Transmission Provider may determine that SSR Unit status is justified if such Generation Resource is required to maintain the reliability of the Transmission System based on its Attachment Y Reliability Study. Section 38.2.7 shall not modify or alter a Transmission Operator’s obligations under the Tariff to identify Blackstart Units that are included in its System Restoration Plans, or a Blackstart Unit Owner's obligations to comply with the terms of any Blackstart Service agreement, in accordance with Schedule 33, or the requirements of Commission approved reliability standards.

The following exception applies to the Generation Suspension, Generation Retirement and System Support Resource (SSR) provisions in Section 38.2.7: The owner of a Generation Resource or SCU that requests a Generator Planned Outage or submits a Generator Forced Outage through the Transmission Provider’s outage scheduling system (Control Room Operations Window – CROW or its successor) does not need to submit an Attachment Y Notice to the Transmission Provider if the request does not involve a change of status to Suspend.

An owner of a Generation Resource, SCU, or a Pseudo-tied out Generator certifies by submitting an Attachment Y Notice that it has elected to Suspend such resource and the
Attachment Y Notice shall be executed by an officer of such owner attesting to that claim. The decision to Suspend may be modified by rescission as specifically provided in this Section 38.2.7.

An owner may not submit a new Attachment Y Notice to suspend that supersedes a prior notification unless the prior Attachment Y Notice is rescinded. The new Attachment Y Notice requires at least twenty-six (26) weeks prior notice to the Transmission Provider.

(ii) **Confidentiality of Attachment Y Notice.**

The Transmission Provider shall treat all Attachment Y Notices as Confidential Information until the Attachment Y Reliability Study is complete and either of the following occurs: 1) the owner has elected to waive its rescission rights; or 2) the resource fails to return to operation before the period for rescission has lapsed; 3) public release is required under Section 38.2.7.b in order to evaluate the need for an SSR Agreement; or 4) the information is otherwise publicly disclosed by the owner of a Generation Resource, SCU, or a Pseudo-tied out Generator.

The Transmission Provider shall promptly post on OASIS that an Attachment Y Notice was submitted, along with the effective date of retirement, under the first three of these circumstances.

(iii) **Notification of the Outage Scheduler After Submittal of Attachment Y Notice.**

After receipt of an Attachment Y Notice, the Transmission Provider shall schedule such outage notification through the Transmission Provider's Control Room Operations Window ("CROW") outage scheduling system, or successor system, to coordinate the outage planning of a Generation Resource or SCU through CROW, on behalf of the owner.
b. SSR Unit Procedures.

System Support Resource (SSR) procedures provide a mechanism for the Transmission Provider to enter into agreements with Market Participants that own or operate Generation Resources or Synchronous Condenser Units (SCUs) that are required by the Transmission Provider to maintain reliability of the Transmission System, if all or a specified portion of the capacity of such Generation Resources or SCUs would otherwise either Retire or Suspend. SSR Agreements are a last-resort measure to address a reliability issue on the Transmission System facilities under the functional control of the Transmission Provider and shall only be entered into once all potential SSR Agreement alternatives have been examined.

An owner of a Generation Resource or SCU must submit all necessary information to enable the Transmission Provider to evaluate whether SSR Unit status is appropriate for such Generation Resource or SCU. If, after completing a reliability study (Attachment Y Reliability Study) and analyzing potential alternatives (Attachment Y Alternatives Study), the Transmission Provider determines that SSR Unit status is justified for a Generation Resource or SCU, that is not subject to an exception under Section 38.2.7.a, then the Transmission Provider and Market Participant of such Generation Resource or SCU shall enter into an SSR Agreement, in accordance with the Attachment Y-1 form of agreement. The SSR Unit will be operated in accordance with the terms of the SSR Agreement, which contains detailed terms and conditions regarding operation and compensation of such Generation Resource or SCU. The Transmission Provider shall periodically review the reliability requirements of the Transmission Provider Region and shall determine which, if any, SSR Agreements should be extended.
The Transmission Provider shall use reasonable efforts to respond to the owner within 75 Calendar Days after receipt of the Attachment Y Notice, regarding whether the subject of an Attachment Y Notice appears to be required for transmission system reliability, unless an alternative date is agreed to by the owner and the Transmission Provider.

If the Attachment Y Reliability Study determines that a reliability concern exists, and a response is provided by the Transmission Provider to the owner, the Transmission Provider shall promptly post on OASIS: (1) that an Attachment Y Notice was submitted; (2) that the Transmission Provider's Attachment Y Reliability Study concluded that the Generation Resource or SCU was required for the reliability of the Transmission System; (3) the draft report on the Attachment Y Reliability Study with the CEII information redacted from the report; and (4) how the associated SSR Unit costs would be allocated in the event that the Generation Resource or SCU is required to provide service under an SSR designation.

The Transmission Provider shall discontinue Confidential treatment of an Attachment Y Notice and Attachment Y Reliability Study in the event that the Attachment Y Reliability Study results determine that the Generation Resource or SCU is required to maintain system reliability and would be eligible for treatment as an SSR Unit. The Transmission Provider may use information related to Retire or Suspend status in its Transmission Planning processes (pursuant to Attachment FF and the Transmission Planning BPM) and in its Generator Interconnection process (pursuant to Attachment X and the Generation Interconnection BPM), provided that recipients of the information have signed appropriate Non-Disclosure Agreements with the Transmission Provider.

c. Evaluation of Need for the SSR Designation.
The Transmission Provider will perform an Attachment Y Reliability Study to determine whether the Generation Resource or SCU is necessary for the reliability of the Transmission System based on the analyses described in this section and the criteria set forth in the Business Practices Manuals, but will not determine in this initial analysis the available alternatives to designating the Generation Resource or SCU as an SSR Unit.

In collaboration with the affected Transmission Owners, the Transmission Provider will cause an evaluation to be performed of transmission system conditions (an Attachment Y Reliability Study) that result from the change in status of the unit(s) subject to Attachment Y notification requirements. The evaluation will consider the performance of the transmission system to determine if thermal or voltage violations of applicable NERC Standards and Transmission Owner planning criteria occur when the unit is offline compared to conditions when the unit is online. The scope of this evaluation will include a steady state analysis, and may require analyses of stability and import limitations for the particular study area. Study cases will be derived from approved MTEP models that are representative of the period of time for which the suspension of the unit(s) is requested, and will include models that represent near-term and/or longer-term scenarios as appropriate for the study period. Models that are developed to reflect both the online and offline status of the unit being evaluated will be analyzed to compare the differences in results to determine the impact of the unit on the transmission system. The results of the evaluation will be reviewed with the participating Transmission Owners to verify the Transmission Provider’s findings and to evaluate proposed solutions that should be considered to address the reliability issues. The need to retain a unit(s) as a System Support Resource, absent implementation of a feasible alternative, shall be determined by the presence of
unresolved reliability violations on the Transmission System that is under the functional control of the Transmission Provider.

The Transmission Provider shall post the determination of reliability need on the Transmission Provider’s OASIS and shall: (1) begin negotiations of a potential SSR Agreement with the Market Participant owning or operating the Generation Resource or SCU; and (2) use reasonable efforts to hold a stakeholder meeting pursuant to Attachment FF within thirty (30) Calendar Days to review alternatives to the potential SSR Unit designation or designations (if multiple Attachment Y Notices apply). The Transmission Provider will schedule subsequent stakeholder meetings as needed. The Transmission Provider shall complete the Attachment Y Alternatives Study within 26 weeks after receipt of an Attachment Y Notice, if the Attachment Y Notice provides only 26 weeks of advance notification, unless otherwise agreed to by the owner of the potential SSR Unit. If no alternative is identified as available by the Attachment Y Notice date to Suspend, then the Transmission Provider shall file the SSR Agreement with an effective date as of the Attachment Y Notice date to Suspend.

Before entering into an SSR Agreement with any Generation Resource or SCU, the Transmission Provider shall assess, in an open and transparent planning process in accordance with the provisions of the Transmission Expansion Planning Protocol Attachment FF to the Tariff, feasible alternatives to the proposed SSR Agreement. The list of alternatives to SSR Unit status that the Transmission Provider shall consider and expeditiously approve as applicable include (depending upon the type of reliability concern identified): (i) redispatch/reconfiguration through operator instruction; (ii) remedial action plans; (iii) special protection schemes initiated upon Generation Resource trips or unplanned Transmission Outages; (iv) contracted demand
response or Generator alternatives; and (v) transmission expansions. Consistent with Section B.1.b of Attachment FF, the Transmission Provider will review and evaluate alternatives to an SSR Agreement on a comparable basis and select the most appropriate solution. Comparability includes the ability of the Transmission Provider to require contractual assurances that the party who provides the alternative solution will implement the solution before the Generation Resource or SCU with the Attachment Y Notice is permitted to Retire or Suspend. The executed contractual arrangements must provide a binding arrangement that obligates the Market Participant who provides the alternative solution to complete any required infrastructure changes that are needed to avoid the reliability issues that would otherwise be addressed by transmission upgrades. While the contractual arrangements will vary based on the particular solution, the terms of the contractual arrangements must further obligate the party who provides the alternative solution to implement actions when required by the Transmission Provider to provide necessary relief. A Generator alternative may be a new Generator, an existing Generator that is made available after the Attachment Y Reliability Study is completed, or an increase to existing Generator capacity that has an executed Generator Interconnection Agreement pursuant to Attachment X for a Commercial Operation Date that is prior to the commencement of the change of status date of the Generation Resource or SCU that has submitted an Attachment Y Notice and must be registered as a Generation Resource that is obligated to offer into the market and respond to instructions from the Transmission Provider. Contractual commitments associated with demand-side resource alternative solutions shall require demonstration to the Transmission Provider of an executed contract between LSE or ARC and Energy Consumers as well as necessary procedures and protocols for responding to Transmission Provider instructions. Such
demand-side contracts must be in place by the time that the SSR Agreement alternative solution would otherwise need to be committed in order to ensure a timely solution to the identified planning need, and must be of a sufficient duration such that a reliable alternative solution can be assured. In assessing applicability for SSR status, the Transmission Provider will not require continued operation when the continued operation of a portion or all of Generation Resources or SCUs would be contrary to applicable law, regulations, or court or agency orders (such as a settlement with an environmental agency or a consent decree approved by a court). In performing the Attachment Y Reliability Study and the Attachment Y Alternatives Study to an SSR Agreement, the Transmission Provider shall collaborate with the affected Transmission Owners and NERC-registered Transmission Planners, and if appropriate, may consult with a retained consultant. The Transmission Provider will appropriately identify any Confidential Information regarding a decision to Suspend before the Transmission Provider transfers such information to any entity. An entity that receives Confidential Information must agree in writing to maintain such confidentiality, to comply with any confidentiality obligations owed to Transmission Provider under the Tariff or pursuant to a related non-disclosure agreement, and to comply with applicable Standards of Conduct found in 18 C.F.R. § 358. The owner of the Generation Resource or SCU subject to review under this section shall make good faith efforts to minimize the costs to be incurred by seeking any available waivers or exemptions from environmental or other regulatory requirements that would necessitate improvements to the potential SSR Unit. The Transmission Provider will reasonably assist the owner of a potential SSR Unit in working with regulatory agencies to obtain environmental or other waivers or exemptions to the extent necessary to maintain the reliability of the Transmission System. For
purposes of determining whether a Generation Resource or SCU qualifies as an SSR Unit, the Transmission Provider will process multiple Attachment Y Notices in the order in which the Attachment Y Notices are received. If a subsequent Attachment Y Notice is received before a determination is made for a Generation Resource or SCU that is the subject of a prior Attachment Y Notice, the Generation Resource or SCU that is the subject of a prior Attachment Y Notice will not be the subject of an SSR Agreement to avoid reliability issues caused by the subsequently noticed suspension of another Generation Resource or SCU.

The filing of a SSR Agreement with FERC shall be accompanied by a corresponding report on the Attachment Y Reliability Study and the Attachment Y Alternatives Study that details the methodologies used, study assumptions, Transmission Owner planning criteria used (including when the criteria became effective and the approving regulatory body, if any), analysis results, an evaluation of alternatives and the conclusion of the study (including a short explanation of the proposed solution to any reliability issue identified and estimated timetables for implementing the preferred solution). An affirmation that the results, in whole or in part, from a previously filed report remain applicable may substitute for filing an entirely new report on the Attachment Y Reliability Study and the Attachment Y Alternatives Study.

d. **Modification or Rescission of an Attachment Y Notice.**

   (i) **Rescission of an Attachment Y Notice Prior to the Transmission Provider’s Reliability Study Response.**

   The Transmission Provider shall notify the owner prior to publicizing the Attachment Y Notice and Attachment Y Reliability Study results that the Attachment Y Reliability Study is complete. However, the Transmission Provider shall not provide any information related to the
Attachment Y Reliability Study results to the owner at that time. The owner may rescind its Attachment Y Notice by submitting an amended Attachment Y Notice to the Transmission Provider stating its intention, not more than fifteen (15) Business Days after receiving notice from the Transmission Provider that the Attachment Y Reliability Study is complete. In the event of such rescission, the confidentiality of the Attachment Y Notice shall be preserved.

(ii) **Modification or Rescission of an Attachment Y Notice After the Owner of Generation Resource or SCU Receives the Results of Attachment Y Reliability Study, but Prior to Commencing Suspension, Retirement, or an SSR Agreement.**

(1) An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a decision to Suspend, and for which the Transmission Provider has determined that the Generation Resource or SCU is not necessary for the reliability of the Transmission System, may rescind its decision to Suspend any time prior to the end of the period for rescission following the effective date or may modify the start of the suspension any time prior to the original effective date by submitting an amended Attachment Y Notice to the Transmission Provider stating its intention. If the revised date for suspension is prior to the original date specified in the Attachment Y Notice, a new Attachment Y Notice shall be submitted to the Transmission Provider at least twenty-six (26) weeks prior to the effective date of suspension.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is not necessary for the reliability of the Transmission System, may elect to convert the Attachment Y Notice to
retirement by notifying the Transmission Provider of its intent to waive the right to both rescind and modify the Attachment Y Notice. After the owner has waived the right to both rescind and modify the Attachment Y Notice, the requested status of the Generation Resource will change to Retire, and the interconnection service will be terminated in accordance with Section 38.2.7.k. The Attachment Y Notice will no longer be treated as confidential information once the owner has elected to waive its right to both rescind and modify the Attachment Y Notice and committed to retirement of the Generation Resource or SCU.

(2) An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a decision to Suspend, and for which the Transmission Provider has determined that the Generation Resource or SCU is required as an SSR Unit may rescind its decision to Retire or Suspend or modify the date of suspension at any time while designated as an SSR Unit by submitting an amended Attachment Y Notice specifying the modified effective date or stating its decision to rescind.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is required as an SSR Unit may elect to convert the Attachment Y Notice to retirement by notifying the Transmission Provider of its intent to waive the right to both rescind and modify the Attachment Y Notice for the initial rescission period of the Attachment Y Notice. The owner that provides such notification will retain rescission rights (i.e. those additionally acquired by virtue of operating as an SSR Unit) only while designated as an SSR Unit after which time the Generation Resource or SCU will have a Retire status and the interconnection service will be terminated in accordance with Section 38.2.7.k.
(iii) **Modification or Rescission of an Attachment Y Notice After Commencing a Suspension, Retirement, or an SSR Agreement.**

(1) An owner of a Generation Resource or SCU that notifies the Transmission Provider in writing of a decision to Suspend, and for which the resource has not been designated as an SSR Unit or is not continuing to operate pursuant to an SSR Agreement, may rescind its decision to Suspend by submitting an amended Attachment Y Notice to the Transmission Provider stating its intention to rescind any time during the period for rescission following the effective date.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is not necessary for the reliability of the Transmission System, may elect to convert the Attachment Y Notice to retirement by notifying the Transmission Provider of its intent to waive the right to rescind and modify the Attachment Y Notice. After the owner has waived the right to rescind, the Generation Resource will have a Retire status, and the interconnection service will be terminated in accordance with Section 38.2.7.k. The Attachment Y Notice will no longer be treated as confidential information once the owner has elected to waive their right to rescind and committed to retirement of the Generation Resource or SCU.

(2) An owner of an SSR Unit may rescind its decision to Suspend or to Retire or modify the effective date prior to the termination date of the SSR Agreement by submitting an amended Attachment Y Notice specifying the modified effective date or stating its intention to rescind. After receiving an amended Attachment Y Notice from an owner of an SSR Unit to
rescind or modify its decision to Suspend or to Retire, the Transmission Provider will then exercise the termination provisions of the SSR Agreement.

At any time during the Attachment Y Conversion Period, the owner of the Generation Resource or SCU for which the Transmission Provider has determined is required as an SSR Unit may elect to convert the Attachment Y Notice to retirement by notifying the Transmission Provider of its intent to waive the right to both rescind and modify the Attachment Y Notice for the initial rescission period of the Attachment Y Notice. The owner that provides such notification will retain rescission rights (i.e. those additionally acquired by virtue of operating as an SSR Unit) only while designated as an SSR Unit after which time the Generation Resource or SCU will have a Retire status and the interconnection service will be terminated in accordance with Section 38.2.7.k.

e. Refund of Costs.

   (i) If the owner of a Generation Resource or SCU that notifies the Transmission Provider of a decision to Suspend and for which the Transmission Provider has not determined the Generation Resource or SCU is needed for reliability rescinds an Attachment Y Notice prior to commencing suspension, then such owner shall pay the Transmission Provider all of the costs that the Transmission Provider incurred in conducting an Attachment Y Reliability Study.

   (ii) The Market Participant that owns or operates an SSR Unit must refund to the Transmission Provider with interest at the FERC-approved rate, all costs, less depreciation, for repairs and capital expenditures that were needed to continue operation of the Generation Resource or SCU and to meet applicable regulations and other requirements (including environmental) while the Generation Resource or SCU was subject to an SSR Agreement if the
owner: (1) rescinds its decision to Suspend or to Retire the unit while it is designated a SSR; (2) rescinds its decision to Suspend following its previous designation as an SSR Unit; or (3) returns a unit to service following its previous designation as an SSR Unit and later retirement of the unit.

(iii) An owner of a Generation Resource or SCU that returns the unit to service upon failure to Retire or Suspend according to an Attachment Y Notice (i.e. returns from retirement or rescinds the Attachment Y Notice, including a Generation Resource or SCU that was not a SSR Unit, a former SSR Unit that no longer operates pursuant to an SSR Agreement, or an SSR Unit) will be allocated the total costs of Network Upgrades incurred or financially committed to as of the date of the notification of modification of the decision to Retire or Suspend if all the following apply:

- the rescission obviates the need for such Network Upgrades that were identified by the Transmission Provider in an Attachment Y Reliability Study;
- such Network Upgrades were necessitated solely by the Attachment Y Notice to Suspend; and
- such Network Upgrades were approved by the Transmission Provider’s Board of Directors as Attachment FF Appendix A projects.

The total costs will include all pre-construction costs and interest at the FERC-approved rate. Such an owner will also be allocated the costs of expedited construction of such Network Upgrades that were approved for purposes other than dealing with needs identified in an
Attachment Y Reliability Study to the extent that such expedited construction was necessitated by the Attachment Y Notice to Suspend.

In the event that multiple Attachment Y studies identified reliability issues that required the Network Upgrades and the owners of the units subject to the studies return their units to operation upon failure to Retire or Suspend (i.e. return from retirement or rescind the Attachment Y Notices, including Generation Resources and/or SCUs that were not SSR Units, former SSR Units that no longer operate pursuant to an SSR Agreement, or SSR Units), the owners will be allocated the total costs of such Network Upgrades incurred or financially committed to as of the date of notification of the last modification of a decision to Retire or Suspend if all the following apply:

- the rescission obviates the need for such Network Upgrades that were identified by the Transmission Provider in the Attachment Y Reliability Study;
- such Network Upgrades were necessitated solely by the Attachment Y Notice to Suspend; and
- such Network Upgrades were approved by the Transmission Provider’s Board of Directors as Attachment FF Appendix A projects.

The total costs will include all pre-construction costs and interest at the FERC-approved rate.

Such owners will also be allocated the costs of expedited construction of such Network Upgrades that were approved for purposes other than dealing with needs identified in an Attachment Y Reliability Study to the extent that such expedited construction was necessitated by an Attachment Y Notice to Suspend.
Except as provided in this Section, cost responsibility is assigned only for Network Upgrades that are identified to fully alleviate the violations identified in the Attachment Y reliability study in connection with a change in a plan to Retire or Suspend a Generation Resource or SCU. Costs of Network Upgrades that have been identified in the MTEP to address Transmission issues other than the issues identified in the Attachment Y reliability study of a unit that requests suspension will not be allocated to the owner of that unit if such costs of construction were not expedited as the result of an Attachment Y Notice to Suspend. In accordance with Attachment FF of the Tariff, the estimated costs of such Network Upgrades are included in the MTEP when it is approved by the Board of Directors of the Transmission Provider for inclusion in the MTEP. The Transmission Provider will solicit from the constructing Transmission Owner the actual costs (including the costs of expediting construction, and pre-construction costs, if any) incurred or committed to as of the date of notification for the last modification of a decision to Retire or Suspend. Each owner shall pay its pro rata share of the incurred or committed Network Upgrade costs, based on the relative Generation Verification Test Capacity of each resource whose operation causes the assignment of Network Upgrade costs to its owner. The Transmission Provider will promptly notify the responsible owner of their share of the total costs once actual costs are determined.

f. **Execution and Filing of SSR Agreement.**

The Transmission Provider shall enter into an SSR Agreement with the Market Participant owning or operating a Generation Resource or SCU that is needed for SSR purposes based on the *pro forma* Attachment Y-1. The SSR Agreement shall state that it incorporates by reference the compensation authorized by the Commission. Resources that are ineligible to
continue operating for legal or regulatory reasons, however, shall not be required to enter into an SSR Agreement. If a potential SSR Unit is ineligible or an existing SSR Unit becomes ineligible to continue operation, then the Transmission Provider shall seek to minimize the impact to Load by operating the Transmission System in the same manner as for any Resource that becomes ineligible to continue operation due to Forced Outage.

The Transmission Provider will file an SSR Agreement with the Commission for approval if the Transmission Provider's analysis determines that the Generation Resource or SCU is required for reliability of the Transmission System. All potentially affected parties will receive notification of such Commission filing. SSR service is a contracted service between the Market Participant that owns or operates an SSR Unit and the Transmission Provider and shall be for a term of twelve (12) months, unless the Transmission Provider requires a different term. The Transmission Provider must have available the entire capacity specified in the SSR Agreement of each SSR Unit.

g. **Operation of SSR Unit.**

Once the Transmission Provider has entered into an SSR Agreement with a Generation Resource or SCU, the Transmission Provider shall have the right to dispatch the SSR Unit at any time for reliability of the facilities within the Transmission Provider Region. The Transmission Provider shall make every attempt to minimize the use of an SSR Unit for reliability purposes. The Transmission Provider will commit the SSR Unit when conditions are identified that require the use of the SSR Unit and will make best efforts to minimize the uneconomic commitment of the SSR Unit. The SSR Agreement found in Attachment Y-1 to this Tariff shall provide for equitable compensation to an SSR Unit when it is dispatched by the Transmission Provider.
h. **Scheduling Rules for SSR Units.**

The Transmission Provider shall notify Market Participants with SSR Units as to the time period of Energy, Operating Reserve, Up Ramp Capability, Down Ramp Capability, and/or Other Ancillary Services required from each SSR Unit in accordance with Section 39.1.5 for the Day-Ahead Energy and Operating Reserve Markets, Section 40.1 for Reliability Assessment Commitment processes, and Section 40.1.A.3 Look Ahead Commitment processes.

i. **SSR Unit Participation in Markets.**

A Market Participant may offer Energy or Ancillary Services from SSR Units into the Day-Ahead Energy and Operating Reserve Market, RAC, or Real-Time Energy and Operating Reserve Market during times when the Transmission Provider has not requested the Market Participant to run the SSR Unit at full capacity unless this would impair the ability of the SSR Unit to provide the Energy, Operating Reserve, Up Ramp Capability, Down Ramp Capability, or Other Ancillary Services when requested by the Transmission Provider.

Market Participants that own or operate an SSR Unit shall not use the SSR Unit to: (i) participate in Interchange Schedules; (ii) except for plant auxiliary Load obligations under the SSR Agreement, use the SSR Unit as a Self-Scheduled Resource to submit Self-Schedules for Energy and/or Operating Reserve; or (iii) submit Self-Schedules for Other Ancillary Services, if applicable, to the extent that Other Ancillary Services are required by the Transmission Provider under this Section.

j. **SSR Unit Compensation.**

(i) The Market Participant will be compensated for only costs incurred for the extended operation as an SSR Unit that do not exceed the full cost-of-service (including the fixed

Effective On: July 16, 2018
cost of existing plant). The hourly component of compensation will be provided as stated in this Tariff. For the determination of any additional compensation, the Market Participant shall submit a filing to the Commission under Section 205 of the FPA that states the additional compensation the Market Participant deems appropriate that is associated with the SSR Agreement filed by the Transmission Provider, but the Market Participant shall not separately file an SSR Agreement. The Market Participant shall provide the Transmission Provider and the Independent Market Monitor with a copy of all compensation-related filings regarding a SSR-designated unit.

(ii) Any compensation for the SSR Unit will be reduced by payments for operation of the SSR Unit, according to the provisions in this Tariff. Monthly compensation under Schedule 2 of this Tariff and payments under resource adequacy programs (a percentage of such payments to a Market Participant whose generating unit designations are not made) shall be identified in the filing for compensation submitted by the Market Participant.

Hourly compensation will be provided for those hours in which the SSR Unit has Actual Energy Injections and the SSR Unit is committed by the Transmission Provider in the Day-Ahead Energy and Operating Reserve Market or committed by the Transmission Provider in any of the RAC processes, or in the Look Ahead Commitment (“LAC”) process, including any Reliability Assessment Commitment (“RAC”) process conducted prior to the Day-Ahead Energy and Operating Reserve Market, in which hours the Transmission Provider shall calculate the Market Participants’ Production Cost and Operating Reserve Cost. For the purposes of this calculation, “Production Cost” means the Energy output cost pursuant to Section 39.3.2B Day-Ahead Revenue Sufficiency Guarantee Payments of the Tariff for commitments by the
Transmission Provider in the Day-Ahead Energy and Operating Reserve Market or the Energy output cost pursuant to Section 40.2.19 Real-Time Sufficiency Guarantee of the Tariff for commitments by the Transmission Provider in any of the RAC processes, or in the LAC process, including any RAC process conducted prior to the Day-Ahead Energy and Operating Reserve Market, of each SSR Unit based upon Start Up, No Load, and Energy Offer cost components that reflect the actual costs of physically operating the SSR Unit(s). “Operating Reserve Cost” mean the actual cost to provide Operating Reserves. All Production Costs and Operating Reserve Costs will be subject to audit by the Transmission Provider, and will be subject to audit and enforcement by the Independent Market Monitor.

Through the Transmission Provider settlement process, the Transmission Provider will compare the “SSR Unit Compensation,” which (for each SSR Unit) is equal to the sum of Production Cost and Operating Reserve Cost, to the “SSR Unit Energy and Operating Reserve Credit.” The SSR Unit Energy and Operating Reserve Credit are those charges and credits calculated pursuant to Sections 39.3 Day-Ahead Energy and Operating Reserve Market, 40.3 Real Time Energy and Operating Reserve Market Settlement and 40.7 Determination of Inadvertent Energy of the Tariff, plus any revenues from Schedule 2 associated with the SSR Unit or from Planning Resource designation and any charges assessed through Schedule 17 and Schedule 24. In those hours where the SSR Unit Compensation is greater than the SSR Unit Energy and Operating Reserve Credit for that SSR Unit, the Transmission Provider will make the applicable make-whole payment to Market Participant (such make-whole payment to be equal to the difference between the SSR Unit Compensation and the SSR Unit Energy and Operating Reserve Credit). In those hours where the SSR Unit Compensation is less than the
SSR Unit Energy and Operating Reserve Credit, the Transmission Provider will debit from Market Participant (such debit to be equal to the difference between the SSR Unit Energy and Operating Reserve Credit and the SSR Unit Compensation). If the SSR Unit receives revenue pursuant to Sections 39.3 Day-Ahead Energy and Operating Reserve Market and 40.3 Real Time Energy and Operating Reserve Market Settlement of the Tariff in hours other than those described above, the Transmission Provider will debit those revenues from the Market Participant.

(iii) The Market Participant shall file with the Commission for a Monthly SSR Payment for compensation not covered by the hourly compensation stated in the previous subsection. The Market Participant’s filing shall state the requested Monthly SSR Payment along with its sub-components (including amounts for monthly Schedule 2 payments for each SSR Unit) and applicable cost support, including an affidavit executed by an officer of the Market Participant attesting to the accuracy of the submitted cost information. The Market Participant shall provide the Monthly SSR Payment information for each SSR Agreement, including any renewals of an SSR Agreement, and may update the information in a Section 205 filing to revise such Monthly SSR Payment following any material, unforeseen circumstances affecting the SSR Unit that changes the costs incurred by the Market Participant. The Transmission Provider shall pay the Market Participant the Monthly SSR Payment as directed by the Commission, commencing on the effective date established by the Commission.

The filing for the additional compensation should evaluate, at a minimum, the following factors in negotiating compensation for an SSR Unit: (1) operations and maintenance labor expenses directly related to the SSR Unit; (2) administrative expenses directly related to
employees at the SSR Unit, including employee expenses environmental fees, safety and operator training, office supplies, communications, and plant inspection/testing expenses; (3) non-labor maintenance expenses, including chemical and materials consumed during maintenance of the SSR Unit and rental expenses for maintenance equipment used to maintain the SSR Unit; (4) taxes, permit and licensing fees, site security expenses, and insurance; (5) carrying charges, including charges for maintaining reasonable levels of inventories of fuel and spare parts that result from short-term operating unit decisions based on Good Utility Practice; (6) corporate expenses, including those incurred for legal services, environmental reporting, and procurement; (7) costs associated with capitalized projects; (8) depreciation, and (9) return on the undepreciated plant costs for the SSR Unit.

k. **Termination of Interconnection Service.**

Except as provided in Attachment X, the Transmission Provider shall file with the Commission to terminate the interconnection service to the Transmission Provider's system held by an owner of a Generation Resource or SCU or Pseudo-tied out Generator, that certifies by submitting an Attachment Y Notice that it plans to Suspend a Generation Resource or SCU or Pseudo-tied out Generator, upon the latter of: (1) the termination of an SSR Agreement; (2) the effective date for which the owner has elected to convert the Attachment Y Notice to retirement by waiving the right to rescind the decision; or (3) the end of the period for rescission for which the owner has not waived the right to rescind. Such termination of interconnection service shall be contained in a filing with the Commission and also posted by the Transmission Provider on its OASIS to the extent that such interconnection service was filed with the Commission, and shall otherwise be terminated by the Transmission Provider by a posting on its OASIS. If the owner
rescinds or modifies the Attachment Y Notice in accordance with Section 38.2.7.d, the owner of such resource may retain its interconnection service and continue to operate after the conclusion of an SSR Agreement or the date specified in the Attachment Y Notice.

l. **Allocation of SSR Unit Costs.**

The costs pursuant to the SSR Agreement shall be allocated to the LSE(s) which require(s) the operation of the SSR Unit for reliability purposes.

m. **Annual Review of SSR Unit Status.**

On at least an annual basis, the Transmission Provider will review Generation Resource or SCU characteristics to determine whether the Generation Resource or SCU is qualified to remain as an SSR Unit in coordination with a review of the Transmission Provider’s annual regional transmission expansion plan in accordance with Attachment FF. If an SSR Unit continues to be required for reliability of the Transmission System, then the Transmission Provider will have the unilateral right to negotiate and enter into a subsequent SSR Agreement by providing the Market Participant at least ninety (90) days advance notice prior to the termination date of the existing SSR Agreement and by negotiating and filing a new SSR Agreement at the Commission. If not, the SSR Agreement will expire by its own terms and the Generation Resource or SCU will lose its SSR Unit status and will resume suspension in accordance with the Attachment Y Notice or Retire. Any subsequent SSR Agreement also shall be filed with the Commission.

n. **Time Limitations on Suspension.**
An owner of a Generation Resource or a SCU or a Pseudo-tied out Generator may request suspension pursuant to the provisions of this Section 38.2.7 and remain for a maximum of thirty-six (36) cumulative months during any five (5) year period under any combination of suspended and SSR-designated statuses. An owner of a Generation Resource or a SCU or a Pseudo-tied out Generator that had not exhausted its maximum period may request an additional suspension period by submitting a new Attachment Y Notice twenty-six (26) weeks prior to the effective date of the extension period, provided that the combined period is not greater than thirty-six (36) months in a five (5) year period. If a Generation Resource or a SCU or a Pseudo-tied out Generator does not return to service at the end of the thirty-six (36) month maximum suspension period, the Transmission Provider will terminate interconnection service of the resource pursuant to Section 38.2.7.

o. Non-Binding Informational Studies.

An owner of a Generation Resource or a SCU may complete an Attachment Y-2 to request that the Transmission Provider conduct a study to determine whether it is likely that a portion or all of such Generation Resource of SCU would qualify as an SSR Unit. The Transmission Provider will collaborate with the affected Transmission Owners and NERC-registered Transmission Planners, and if appropriate, will consult with a retained consultant to evaluate whether the facility is required for the reliability of the Transmission System. The Transmission Provider will appropriately identify any Confidential Information regarding a decision to Suspend that the Transmission Provider transfers to any entity. An entity that receives Confidential Information must agree in writing to maintain such confidentiality, or to any confidentiality obligations owed to Transmission Provider under the Tariff or related non-
disclosure agreement, and to comply with applicable Standards of Conduct found in 18 C.F.R. § 358. The owner will not be bound to the change of status indicated in an Attachment Y-2 request. Along with a completed Attachment Y-2, such owner shall submit a study deposit of $70,000 to the Transmission Provider for the reasonable costs and expenses of such study. The Transmission Provider shall invoice such owner for all costs and expenses incurred in addition to the deposit amount, or shall refund any unused portion of such deposit upon completion of the study.

The Transmission Provider will process multiple Attachment Y-2 requests in the order in which the Attachment Y-2 requests are received. The Transmission Provider shall use reasonable efforts to submit the results of such study to the owner upon its completion within 75 days of receipt of the deposit and completed Attachment Y-2, unless an alternative period is mutually agreed to. The Transmission Provider shall treat Attachment Y-2 as Confidential Information. If an owner rescinds an Attachment Y-2 study request, then such owner shall not receive the results of the study and the owner shall pay the Transmission Provider all of the costs incurred in conducting the study up until the date of such rescission.

Once a response is provided by the Transmission Provider to the owner, the Transmission Provider shall promptly notify the Independent Market Monitor of any Resource that may qualify as an SSR Unit. The results of such study will provide the owner with the outcome if the owner elects to submit an Attachment Y Notice to request SSR status in the future and does so in accordance with Section 38.2.7.p.
The Transmission Provider shall maintain regional power flow models pursuant to Section 1.C of Attachment FF, for use by the owner of a Generation Resource or a SCU choosing to conduct a study.


The Attachment Y Notice following a non-binding Y-2 request must be submitted at least 26 weeks prior to the date of the planned change of status. The Transmission Provider shall conduct the subsequent Attachment Y process consistent with timeline and milestones in Section 38.2.7.

q. Transition to New Attachment Y Framework.

The Attachment Y Conversion Period shall not apply to an Attachment Y Notice submitted prior to the effective date of the revision of the term “Suspend.” A subsequent decision to Suspend operation or Retire after the end date stated in such notice shall require a new Attachment Y Notice at least 26 weeks prior to the effective date of the new change of status.

The provisions contained in Section 38.2.7.e (“Refund of Costs”) that shall apply are those stated in the Tariff at the time an Attachment Y Notice was submitted to MISO.
ATTACHMENT Y

Notification of Generation Resource/SCU/Pseudo-tied Out Generator

Change of Status,

Including Notification of Rescission

This is a notification of change of status of a Generation Resource, Synchronous Condenser Unit (“SCU”), or Pseudo-tied out Generator in accordance with Section 38.2.7.a of the Tariff. An electronic copy of the completed form will be accepted by the Transmission Provider, however, a form will not be considered complete until the original form containing an original signature, including all attachments, is received by the Transmission Provider at the following address:
MISO, Attention: Director of Transmission Planning; 720 City Center Drive, Carmel, IN 46032.

The Transmission Provider may request additional information as reasonably necessary to support operations under the Tariff.

Owner of the Generation Resource, SCU or Pseudo-tied out Generator:

__________________________________________________________________________________________________________________________________________

Name of Market Participant: ________________________________________________________________________________________________________________________________________

Owner’s state of organization or incorporation ____________________________

Generation Resource/SCU/Pseudo-tied Out Generator [plant and unit number(s)] __________

______________

Source/Identification of Generation Interconnection Service [name of agreement, parties, date, date filed and docket number, and any other information to identify an agreement] ______________

__________________________

Effective On: July 16, 2018
Pursuant to the terms of the MISO Tariff, Owner hereby certifies that it will

[ ] Suspend for economic reasons operation of all or a portion of the Generation Resource/SCU/Pseudo-tied out Generator commencing on ___ [day] of ________ [month] of ________ [year]

[ ] Rescind the current notice to Suspend

The facility is further described as follows:

Location: ____________________________

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Owner understands and agrees that this notification is provided in accordance with Section 38.2.7 of the Transmission Provider's Tariff and will not be made public by the Transmission Provider except as provided for under Section 38.2.7 of the Tariff.

The undersigned certifies that he or she is an officer of the owner of the Generation Resource/SCU/Pseudo-tied out Generator, that he or she is authorized to execute and submit this notification, and that the statements contained herein are true and correct.

_____________________________
Signature

Name: ________________________
Title: ________________________
Date: ________________________

Contact Information

State of ______________________
County of ____________________

Email: ________________________
Phone: ________________________
Before me, the undersigned authority, this day appeared ____________________, known by me to be the person whose name is subscribed to the foregoing instrument, who, after first being sworn by me deposed and said:

“I am an officer of ____________________, I am authorized to execute and submit the foregoing notification on behalf of ____________________, and the statements contained in such application are true and correct.”

SWORN TO AND SUBSCRIBED TO BEFORE ME, the undersigned authority on this the _____ day of __________, 20__.

______________________________________
Notary Public, State of ___________
My Commission expires __________
ATTACHMENT Y-2

Request for Non-Binding Study Regarding Potential SSR Status

This is a request that the Transmission Provider conduct a non-binding study of the reliability impacts related to a potential change of status of a portion or all of either a Generation Resource or a Synchronous Condenser Unit ("SCU"). An electronic copy of the completed form will be accepted by the Transmission Provider, however, the study application will not be considered complete until the original form containing an original signature, including all attachments, and the study deposit funds are received by the Transmission Provider at the following address:

MISO
Attention: Director of Transmission Expansion Planning
720 City Center Drive
Carmel, IN 46032.

Name of Market Participant owning and/or operating the Generation Resource or SCU

Type of interest in Generation Resource: □ Owner of Generation Resource
□ Operator of Generation Resource

Name of Market Participant owning and/or operating the Synchronous Condenser Unit (“SCU”)

Type of interest in SCU: □ Owner of SCU
□ Operator of SCU

Market Participant’s state of organization or incorporation

Effective On: July 16, 2018
Generation Resource/SCU [plant name(s), unit number(s), and unit’s maximum net output]

Market Participant is considering whether to make unavailable a Generation Resource/SCU, and hereby requests a study at Market Participant’s expense to determine the impact of removing the Generation Resource/SCU from service, as specified below.

The start date for the potential removal from service is the ____day of ______,______.

Additional operational limits to be considered in the evaluation are described below:

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

The Transmission Provider may request additional information as reasonably necessary to conduct the subject study. If the Market Participant does not provide all of the information requested by the Transmission Provider in a timely manner, then the Transmission Provider may be unable to complete the study within 75 days and will so advise the Market Participant.

A Market Participant will have the right to rescind the request for an informational study by notifying the Transmission Provider prior to its completion of the informational study. In the event of a rescission of an informational study request, the Market Participant shall remain liable for all expenses incurred by the Transmission Provider in conducting the study up until notice of rescission, however the Transmission Provider shall not release the results to the Market.
Participant. This request for a non-binding study is not intended to constitute an offer to enter into a binding SSR Agreement pursuant to Section 38.2.7 of the Tariff, but is intended only as a request for a non-binding study of the transmission reliability impacts of a potential future status change of the Generation Resource/SCU.

The Market Participant is enclosing a study deposit of $70,000 made payable to the Transmission Provider, as partial payment for the study’s costs and expenses. The Transmission Provider shall invoice the Market Participant for all costs and expenses reasonably incurred in excess of the deposit amount, or shall refund any remaining portion of such deposit, upon completion of the study. The Market Participant agrees to pay all such invoices.

The Transmission Provider shall use Reasonable Efforts to complete the evaluation no later than seventy-five (75) Calendar Days from the date of receipt of the deposit and completed Attachment Y-2 for the study request. The Market Participant agrees that: (1) the results of such study will only provide the Market Participant with a probability of the outcome if the Market Participant later elects to submit an Attachment Y form under the terms of Section 38.2.7 of the tariff; (2) such study results will not necessarily be binding upon the Transmission Provider if an Attachment Y notification is later made, except as provided for under Section 38.2.7(p) of the Tariff; and (3) the study is being made to explore options and does not mean that the Market Participant has made any decisions about the future status of the facility.

The undersigned certifies that I am an officer of the Market Participant that owns or operates the subject Generation Resource/SCU, that I am authorized to execute and submit this study request on behalf of subject Generation Resource/SCU, and that the statements contained herein are true and correct.

Effective On: July 16, 2018
Certification

STATE OF

COUNTY OF

Before me, the undersigned authority, this day appeared ________________, known by me to be the person whose name is subscribed to the foregoing instrument, who, after first being sworn by me deposed and said:

“I am an officer of ________________, I am authorized to execute and submit the foregoing study request on behalf of ________________, and the statements contained in such application are true and correct.”

SWORN TO AND SUBSCRIBED TO BEFORE ME, the undersigned authority on this the _____ day of ____________, 20__.  

__________________________________
Notary Public, State of ___________

My Commission expires