

Joint Targeted Interconnection Queue

Answering frequently asked questions about the Joint Targeted Interconnection Queue (JTIQ) process.

What is JTIQ?

The Joint Targeted Interconnection Queue (JTIQ) portfolio addresses significant barriers to the development of new generation along the MISO-SPP seam, enabling approximately 28.6 GW of generation to interconnect. The projects are larger and some ancillary benefits to load are expected. The JTIQ Portfolio was approved by SPP's Board of Directors on December 9, 2024, and MISO's Board of Directors as part of MTEP24 on December 12, 2024.

JTIQ Screening

- What is the JTIQ screening criteria?
 - a. JTIQ screening criteria is included in [Rate Schedule 06](#) Section 9.4.2 d) ii). This JOA is MISO's [Rate Schedule 06](#) and SPP's Rate Schedule 9.
 - b. An interconnection project is screened and included in the JTIQ Participation Group if it meets both criteria.
 - Project has >5.0% harmer Dfax on the other transmission provider's facilities PTDF (pre contingency/system intact condition) or OTDF (post contingency) will be reported as meeting the Dfax criteria for JTIQ screening.
 - Project that has >1.0 MW harmer impact PTDF only (pre contingency/system intact condition) to any of the monitored JTIQ branches will be reported as meeting the MW criteria.
- How do I find the JTIQ screening results for my project? Where are JTIQ screening results posted?
 - a. [JTIQ Dashboard](#)
- What models and study files are used for JTIQ screening analysis?
 - a. JTIQ screening for DPP-2023 was performed on the SUGAR DPP-2023 pre-screen models. The MISO study files are posted in MISO extranet under GI Studies --> SIS Study Results. JTIQ screening for SPP's ERAS projects was performed on ITP-2025 model set, 5 year summer peak model with JTIQ and LRTP facilities added.
- Where are JTIQ models and study files posted?
 - a. The MISO study files are posted for DPP-2023 and ERAS Cycle 1 on MISO Extranet.
 - b. The SPP study files are posted for ERAS on SPP's globalscape.
 - c. To replicate JTIQ results, use the DPP-2023 models posted relevant E number project ERAS ERIS model.
- When does MISO share screening analysis results for Definitive Planning Phase (DPP) and Expedited Resource Addition Study (ERAS) projects?
 - a. For DPP cycles, MISO will share screening analysis results at least 15 Business Days (BD) before the study kick-off. For ERAS projects, MISO will share screening analysis results within 5 Business Days (BD) from the time of ERAS study kick-off.
- Are screening results final or will there be re-screening in upcoming phases or later stages of study?
 - a. Screening results are final. MISO interconnection projects that reduce MW size in future decision points will be reevaluated for JTIQ screening.
- If a project does not meet JTIQ screening criteria, will SPP perform a traditional Affected System study (AFS) for this specific project in MISO's Queue?
 - a. Southwest Power Pool (SPP) will not perform a traditional Affected System screening or study for a MISO project in MISO Classic region that does not meet JTIQ screening criteria. SPP will perform a traditional

Affected System screening or study for MISO project in MISO South region that does not meet JTIQ screening criteria. All projects regardless of JTIQ screening results will be subject to DPP expanded scope.

- If a project does not meet JTIQ screening criteria, will MISO perform a traditional Affected System study (AFS) for a specific project in SPP's queue?
 - a. MISO will not perform a traditional Affected System screening or study for a SPP project in groups 1, 2 or 3 that does not meet JTIQ screening criteria. MISO will perform a traditional Affected System screening or study for an SPP project in groups 4 and 5 that does not meet JTIQ screening criteria.

JTIQ Subscription

- What number is JTIQ Target MW? Where is this documented?
 - The JTIQ Target is 28,600 MW. This is available in JTIQ study report and FERC approval order.
- What number is JTIQ Threshold MW?
 - The JTIQ Threshold is 24,310 MW. This is 85% of JTIQ Target MW ($0.85 \times 28,600 = 24,310$).
- What is the JTIQ commitment projection rate used for ERAS projects, DPP projects and DISIS projects?
 - For ERAS projects, MISO and SPP are using 100% success rate to calculate JTIQ commitment projection.
 - For DPP projects, MISO is using 26% success rate to calculate JTIQ commitment projection.
 - For DISIS projects, SPP is using 30% success rate to calculate JTIQ commitment projection.

JTIQ Indicative Rates

- What are the JTIQ Indicative Rates?
 - The JTIQ Indicative Rates are an illustrative dollar per MW-month rate used only for planning purposes by interested parties. These rates are never billed.
- Where are JTIQ Indicative Rates posted?
 - JTIQ Indicative Rates are posted under the [JTIQ page](#) on the MISO and SPP websites,
- When will updated Indicative Rates be posted?
 - Per MISO Attachment JJJ, Section 5.A, Indicative Rates shall be posted on the Transmission Provider's website on or before September 1 of each year. In coordination SPP will post the JTIQ Indicative Rates during the same time frame.
- What is cost of portfolio?
 - The capital costs of the JTIQ portfolio are estimated to be \$1.65 billion, as indicated in the [JTIQ Study](#).
- Does the charge to the generator include more than just the capital costs of the JTIQ Portfolio?
 - Yes, the charges to the generators include a return on the JTIQ Transmission Owner's investment (capital costs) plus the recovery of the capital costs.
- What is the annual charge rate utilized in calculating the JTIQ Indicative Rates?
 - The annual levelized fixed charge rate with no deferred recovery utilized in the 2025 JTIQ Indicative Rates is roughly 11.5%. Future levelized fixed charge rates utilized in the JTIQ Indicative Rates may change.

JTIQ Security

- Can you explain how the MISO JTIQ Security is calculated?

- When is JTIQ security due?
 - For all MISO customers executing a MISO JTIQ Commitment Agreement:
 - a) MISO JTIQ Security will be provided to the applicable MISO JTIQ Transmission Owners within the later of: (a) thirty (30) Calendar Days after all Parties have executed this Agreement; (b) thirty (30) Calendar Days after acceptance of this Agreement by FERC if this Agreement is filed unexecuted at FERC and the MISO JTIQ Security amount is being protested by Interconnection Customer; or (c) thirty (30) Calendar Days of the filing of this Agreement if it is filed unexecuted and the JTIQ Security amount is not being protested by Interconnection Customer.
 - For all SPP customers executing a GIA with obligations toward JTIQ:
 - a) SPP JTIQ Security will be provided to the applicable SPP within the later of: (a) thirty (30) Calendar Days of the execution of this GIA by all Parties; (b) thirty (30) Calendar Days of acceptance of this GIA by FERC if this GIA is filed unexecuted at FERC and the JTIQ Security amount is being protested by Interconnection Customer; or (c) thirty (30) Calendar Days of the filing if the GIA is filed unexecuted and the JTIQ Security amount is not being protested by Interconnection Customer.
- Is the JTIQ agreement executed at time of the GIA execution or when each JTIQ upgrade goes into service?
 - The MISO JTIQ agreement is a part of GIA for all MISO customers, so both agreements will be executed at the same time.
 - The SPP JTIQ agreement with MISO customers and all MISO JTIQ agreements with customers are separate agreements. Attachment AV, Appendix 3 and 4.
 - The SPP JTIQ agreement is part of GIA for all SPP customers, so a singular execution will be applicable.
 - The MISO JTIQ agreement with SPP customers and all SPP JTIQ agreements with customers are separate agreements.

Line No.												
1	MISO JTIQ Transmission Owner					OTP	NSP	NSP	ITCM	MEC	Total	
2	JTIQ Upgrade					Bison-Hankinson-Big Stone South 345 kV	Bison-Hankinson-Big Stone South 345 kV	Lyons Co - Lakefield 345 kV	Lyons Co - Lakefield 345 kV	Raun – S3452 345 kV		
3						(A)	(B)	(C)	(D)	(E)	(F = A + B + C + D + E)	
4	MISO Collateral Calculation:											
5												
6	Committed MWs of Generator					60.00	60.00	60.00	60.00	60.00		
7												
8	JTIQ Generator Rate with No Deferred Recovery (\$/MW-Mo)					\$ 152.5172	\$ 46.2297	\$ 47.8613	\$ 66.8820	\$ 7.2225		
9	From Attachment JJJ, Exhibit II, Line 137											
10												
11	1 month (30 days) of revenue	(Line 6 times Line 8)				\$ 9,151.03	\$ 2,773.78	\$ 2,871.68	\$ 4,012.92	\$ 433.35	\$ 19,242.76	
12												
13	2 month (60 days) of revenue	(Line 11 times 2 months)				\$ 18,302.06	\$ 5,547.56	\$ 5,743.36	\$ 8,025.84	\$ 866.70	\$ 38,485.52	
14												
15												
16	Security Calculation:											
17												
18	Net JTIQ Upgrade Capital Costs					\$ 391,048,560	\$ 124,865,702	\$ 129,272,727	\$ 169,500,000	\$ 19,905,116	\$ 834,592,105	
19	From Attachment JJJ, Exhibit I, Line 31											
20	MW Used in Calculations					24,310	24,310	24,310	24,310	24,310		
21	From Attachment JJJ, Exhibit I, Line 34											
22	Net JTIQ Upgrade Capital Cost per MW (Line 18 times Line 20)					\$ 16,085.91	\$ 5,136.39	\$ 5,317.68	\$ 6,972.44	\$ 818.80	\$ 34,331.23	
23												
24	Committed MWs of Generator (Line 6)					60.00	60.00	60.00	60.00	60.00		
25												
26	Total Security and Collateral to be Collected from Generat (Line 22 times Line 24)					\$ 965,154.82	\$ 308,183.55	\$ 319,060.62	\$ 418,346.36	\$ 49,128.22	\$ 2,059,873.57	
27												
28	MISO Collateral	(Line 13, Column 'F' times 1/5)				\$ 7,697.10	\$ 7,697.10	\$ 7,697.10	\$ 7,697.10	\$ 7,697.10	\$ 38,485.50	
29												
30	Security to be Collected by MISO JTIQ Transmission Own (Line 26 minus Line 28)					\$ 957,457.72	\$ 300,486.45	\$ 311,363.52	\$ 410,649.26	\$ 41,431.12	\$ 2,021,388.07	
31												

JTIQ Agreements

- Steps and timing to complete JTIQ agreements
 - GIA including JTIQ Commitment agreement
 - Other Transmission Provider JTIQ agreement(s)
 - Security timing
- Is JTIQ Agreement part of Generator Interconnection Agreement (GIA)?
 - MISO
 - a) For MISO Customers
 - Yes, it is an appendix of the GIA and negotiation timing will be controlled by MISO's GIP requirements for the GIA.
 - b) For SPP Customers
 - No. It is a separate agreement.
 - SPP
 - a) For SPP Customers
 - Yes, it is an appendix of the GIA and negotiation timing will be controlled by SPP's GIP requirements for the GIA
 - b) For MISO Customers
 - No. There are two separate agreements, part of SPP Tariff Attachment AV Appendices 3 and 4
- When do I have to sign JTIQ Agreement?
 - The MISO JTIQ agreement is a part of GIA for all MISO customers, so both agreements will be executed at the same time.
- Do I need to execute JTIQ Agreement also with the other transmission provider?
 - Yes, the JTIQ committed project will need to execute JTIQ Agreement with both MISO and SPP.
- Do I need to register as a Market Participant?
 - Yes.
 - a) MISO: Application and payment of required registration security must be completed prior to execution of the JTIQ Commitment Agreement.
 - b) SPP: MISO JTIQ Commitment Group Customers will be required to register as a SPP Transmission Customer (SPP Tariff Attachment AV, Appendix 3) and as a Market Participant (SPP Tariff Attachment AV, Appendix 4) if they desire to obtain candidate Incremental Long-Term Congestion Rights (ILTCR).

To register MISO JTIQ Commitment Group Customers will submit a request to the SPP Request Management System (RMS). Navigate to <https://spprms.issuetrak.com/> and click "Register Now"

More Info on registration can be found here: <https://www.spp.org/stakeholder-center/join-spp/>

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