



Manual No. 014

Business Practices Manual

Station Power



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Revision History

Doc Number	Description	Revised by:	Effective Date
BPM-014-r14	Annual review completed. No additional updates necessary.	E. Fjellman	SEP-01-2024
BPM-014-r13	Annual review completed. Updated section 3 regarding Application Procedures	E. Fjellman B. Froyum	SEP-01-2023
BPM-014-r12	Annual review completed. Updated section 2 regarding Third-Party Supply and local service providers. Updated section 3.5 to require Third-Party Supplier and Local Balancing Authority contact information. Updated sections 5.5, 5.6, 5.7, and 5.8 regarding when Transmission Service charges apply. Removed Schedules 1 and 2 from Transmission Service charges.	C. Delk	Sep-01-2022
BPM-014-r11	Annual review completed	E. Fjellman	JUN –16-2021
BPM-014-r10	Annual review completed. No additional updates necessary.	E. Fjellman	JUN-16-2020
BPM-014-r9	Annual review completed. No additional updates necessary.	E. Fjellman	May-30-2019
BPM-014-r8	Annual review completed. No additional updates necessary.	E. Fjellman	MAY-30-2018
BPM-014-r7	Annual review completed. No additional updates necessary.	E. Fjellman	MAY-25-2017
BPM-014-r6	Annual review completed. No additional updates necessary.	E. Fjellman	JUN-12-2016
BPM-014-r5	Annual review completed. No additional updates necessary.	E. Fjellman	MAY-15-2015
BPM-014-r4	Annual Review completed. Reflected company name change in section 1 and 1.3. Revised verbiage in section 1.1.	R. Stevens	MAY-15-2014
BPM-014-r3	Annual review completed. Due to manual error in revision, numbering 'a' and 'b' were added to distinguish versions of revision 1 and original version BPM-014 was not used.	R. Stevens	MAY-15-2013
BPM-014-r2	Annual review and updates to reflect MISOs Section 205 and Compliance filings.	C. Delk	MAY-15-2012
BPM-014-r1b	Annual review completed 6/28/2011. MISO rebranding changes only.	R. Stevens / B. Selear	JAN-06-2009



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BPM-014-r14

Effective Date: SEP-1-24

BPM-014-r1a	Annual Review Completed JUL-06-2010	R. Stevens	JAN-06-2009
RTO-BPM-003-r1	Updated BPM to reflect new name of ASM Tariff	C. Tinch	JAN-06-2009
RTO-BPM-003	Re-formatted	G. Ridgely	MAR-26-2008



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1. Introduction

This introduction to the Midcontinent Independent System Operator, Inc. (MISO) *Business Practices Manual (BPM) for Station Power* includes basic information about this BPM and the other MISO BPMs. The first section (Section 1.1) of this Introduction provides information about the MISO BPMs. The second section (Section 1.2) is an introduction to this BPM. The third section (Section 1.3) identifies other documents in addition to the BPMs, which can be used by the reader as references when reading this BPM.

1.1 Purpose of the MISO Business Practices Manuals

The BPMs developed by MISO provide background information, guidelines, business rules, and processes established by MISO for the operation and administration of the MISO markets, provisions of transmission reliability services, and compliance with the MISO settlements, billing, and accounting requirements. A complete list of MISO BPMs is available for reference through MISO's website. All definitions in this document are as provided in the MISO Tariff, the NERC Glossary of Terms Used in Reliability Standards, or are as defined by this document.

1.2 Purpose of this Business Practices Manual

This manual focuses on Station Power application, metering, and data reporting procedures and is intended to guide both internal and external parties. This audience may include the following:

- *Generation Owners*
- *MISO employees*
- *MISO Transmission Owners and ITCs*
- *Other Regional Transmission Organizations and Independent System Operators*
- *Other Security Coordinators*
- *Other Transmission Providers*
- *Power Marketers*
- *State Utility Commissions*
- *Transmission Customers*
- *Wholesale and Retail Aggregators*



1.3 References

The following documents provide background and additional detail directly related to this manual:

- Agreement of Transmission Facilities Owners to Organize the Midcontinent Independent System Operator, Inc.
- BPM 005 Market Settlements BPM
- BPM 012 Transmission Settlements
- BPM 017 Transmission Settlements Billing Dispute Resolution Business Practices Manual
- BPM 019 Monthly Transmission Billing Cash Clearing and Revenue Distributing
- Open Access Transmission, Energy and Operating Reserve Markets Tariff
- Schedule 20 – Treatment of Station Power

2. Station Power Overview

Station Power is defined as 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; or (iii) in association with power system restoration or blackstart service. Under Schedule 20, a Generation Owner may arrange to provide Station Power for a Facility through On-Site Self-Supply, Remote Self-Supply, or Third-Party Supply. In addition, Schedule 20 allows the Generation Owner to net the Station Power load of a Facility against the energy output of the Facility (and in the case of Remote Self-Supply, remotely located Facility(s) owned by the same Generation Owner) in order to determine the Net Output of the Facility during the month. It is the monthly Net Output of a Facility that is used to determine whether Transmission Service charges apply. The determination of monthly Net Output under Schedule 20 has no impact on the hourly energy settlement of the Generation Resource. Injections and withdraws by a Generation Resource are settled in the Market at the Locational Marginal Price (LMP) each hour in accordance with the Tariff and the Market Settlements Business Practice Manual.

If a Generation Owner chooses to arrange for Station Power under Schedule 20, the Generation Owner must register the Facility for Schedule 20 by completing a Schedule 20 Application. The Facility must meet the criteria defined in the application in order to be on Schedule 20. The Generation Owner will specify on the application whether the Facility's Station Power will be provided through On-Site Self-Supply, Remote Self-Supply, or Third-Party Supply. A third-party supplier must also be identified for cases when On-Site Self-Supply or Remote Self-Supply are not adequate. MISO cannot be the third-party supplier. The Generation Owner must attest to whether Transmission Service charges are being covered under the third-party supplier's retail rate or tariff, covered under other permissible arrangements with the Transmission Owner, or covered under existing rights to use ITC's facilities.

If the retail service provider in the retail jurisdiction where a Facility is located asserts its right to serve the station power needs of the Facility under an applicable retail rate or tariff, that Facility will be deemed to be on Third-Party Supply regardless of the Station Power option selected by the Facility during registration. Schedule 20 requires Station Power arrangements to be consistent with Applicable Laws and Regulations, and as such cannot supersede the applicable jurisdiction of a state regulatory commission, or the scope of an applicable retail rate or tariff.



If a Facility, such as a wind farm, spans multiple service territories and any of the retail service provider(s) in any of those territories assert(s) their right to serve the station power needs of the Facility under an applicable retail rate or tariff, then the Facility will be deemed to be on Third-Party Supply for all parties serving the Facility regardless of the Station Power option(s) selected by the Facility during registration.

A Generation Owner can remove a Facility from Schedule 20 by completing a Schedule 20 Cancellation Form and submitting it to Customer Registration. The Facility will be removed from Schedule 20 effective the first month after the cancellation is submitted.

3. Application Procedures

3.1 Implementation of Station Power Provisions of Schedule 20

MISO implemented the Station Power provisions of Schedule 20 of the Tariff on April 1, 2005. Generation Owners registering for the program after March 2005 will be eligible for Station Power service from the start of the first full month after the registration process is complete.

3.2 Application Process

To be eligible for Station Power service under MISO's Schedule 20, the Generation Owner must be a registered Market Participant in MISO.

The first step in the Schedule 20 application process is to review Knowledge Articles (KA) in the Help Center located at help.misoenergy.org. The KA will direct you to information located on the public site, [Home](#) > [Markets and Operations](#) > [Market Participation Registration](#) > [Supplemental Registration](#).

Once the applicant has completed both of the following forms: (1) Station Power Application_V3, and (2) Schedule 20 Application Worksheet, the applicant needs to submit a Supplemental Case in the MISO Help Center and attach the documents. A completed Schedule 20 Application will include descriptions of the Generation Owner and the Facilities for which it intends to provide Station Power under Schedule 20, single line diagrams of the generation Facility(s), designation of the Commercial Pricing Node(s) associated with the Generation Owner's Facility(s) and additional information indicating how the Generation Owner intends to provide Station Power on a monthly basis (*i.e.*, via On-Site Self-Supply, Remote Self-Supply, or through Third-Party Supply).

Upon the creation of a Supplemental Case in the MISO Help Center, MISO Market Settlements will check the application for completeness. MISO will call the applicant to discuss any information that is incomplete. The MISO Market Settlements Representative will provide application information to the appropriate internal MISO parties for processing purposes. Application processing will begin when MISO receives the completed application. MISO expects that it will take approximately thirty (30) days to process a completed application after all required information is submitted.

Generation Owners are obligated to update their application and receive approval prior to providing Station Power service under Schedule 20 for additional Commercial Pricing Nodes beyond those identified in the original application.

3.3 Certifications

Each Generation Owner must certify that:

- It is a registered Market Participant of MISO.
- It is eligible to provide Station Power consistent with Schedule 20 and applicable FERC precedent.
- It will provide to MISO, in a timely manner, sufficient information to allow MISO to implement Schedule 20.
- It will submit accurate, complete, and timely metering information to MISO and it has resolved metering arrangements with the relevant parties.
- In the event of Remote Self-Supply from facilities located outside the MISO region, the generating facility will in fact run and the Generation Owner will reserve firm transmission service and schedule delivery of the energy from such resource in advance into MISO region. The Generation Owner will provide evidence of these arrangements at MISO's request.

3.4 Commercial Pricing Node Information

At the time of application, the Generation Owner must identify all Facilities for which the Generation Owner intends to provide Station Power and identify relevant Commercial Pricing Nodes. To provide Station Power via On-Site Self-Supply and Remote Self-Supply, Generation Owner must identify all Commercial Pricing Nodes that will be aggregated for purposes of calculating monthly Net Output, determination of any applicable transmission charges (in the case of Remote Self-Supply), and determination of whether a Facility received Third-Party Supply.

All Facilities associated with a single corporate legal entity are considered units of the corporate entity and this relationship is used to distinguish Remote Self-Supply and Third-Party Supply. Facilities that have a common billing organization but are owned by different corporate entities are not eligible for Remote Self-Supply of Station Power.

In the instance where gross output and Station Power load have separate Commercial Pricing Nodes, both nodes should be identified.



3.5 Additional Information

The Generation Owner must identify and include contact information regarding the entity from which it intends to procure monthly Third-Party Supply on an ongoing basis or with which it has made arrangements for Third-Party Supply in the event it has negative Net Output in a given month. The Generation Owner should also identify and include contact information regarding the Local Balancing Authority Area in which the Facility is located.



4. Metering

Pursuant to Schedule 20 of the Tariff, each Generation Owner is responsible for making all appropriate metering arrangements for Station Power transmission service requirements to enable the implementation of Schedule 20. MISO is obligated, to the extent permitted by any existing confidentiality obligations, to cooperate with the Generation Owner and any entity providing Third-Party Supply regarding metering arrangements and verification of data to implement Schedule 20 and billing for Third-Party Supply. The Generation Owner is responsible for timely submission of accurate, complete, and verified metering information to MISO. MISO has the right to audit such submissions.

As described above in the Application Process, the Generation Owner must provide a description of metering arrangements with reference to single line diagrams and must certify: 1) that it is capable of submitting accurate, complete, and timely metering information to MISO and, 2) that it has resolved metering arrangements with the relevant parties. This is especially important for Facilities using Third-Party Supply as their means for obtaining Station Power. In order to avoid paying both retail and wholesale for the Station Power, the Generation Owner and relevant parties must agree on whether the withdrawal volumes are to be reported on the Facility's node or the relevant party's load node.

Each Generation Owner must report relevant meter data to MISO by the 13th day following the month for which Station Power was procured under Schedule 20.



5. Settlements and Billing

5.1 Summary

On a monthly basis, MISO will calculate the monthly Net Output of each Facility on Schedule 20 to determine whether Transmission Service charges apply. The calculation will be performed on or after the 15th day of the month for the previous month. The calculation will use the actual meter data submitted for the Facility. State Estimator data will not be used in the absence of actual meter data. If a full month of actual meter data is not available for a Facility, the Facility will be ineligible for Schedule 20 for that month.

5.2 Net Output

MISO will determine the extent to which each Facility during the month self-supplied its Station Power requirements or obtained Station Power from a third-party. Based upon meter data provided by the Generation Owner, MISO determines Net Output (*i.e.*, the gross energy output of the Facility (or in case of Remote Self-Supply the aggregate of the gross energy output plus the energy output of the remote units) less the Station Power requirements of a Facility during the calendar month.).

5.3 Negative Net Output

In the event a Facility has negative Net Output in a given month, MISO will communicate the relevant negative Net Output information to the Third-Party Supplier, the Local Balancing Authority, and the Facility. The Transmission Owner will be notified via revenue report during the next billing cycle.

5.4 Energy Settlement

The determination of monthly Net Output under Schedule 20 has no impact on the hourly energy settlement of the Generation Resource. Injections and withdraws by a Generation Resource are settled in the Market at the Locational Marginal Price (LMP) each hour in accordance with the Tariff and the Market Settlements Business Practice Manual (BPM-005).

5.5 On-Site Self Supply

When the Net Output of an On-Site Self Supply Facility is positive, the Generation Owner will be deemed not to have used Station Power, and will not incur any additional charges for Transmission Service to provide its Station Power. When the Net Output of an On-Site Self Supply Facility is negative, the Facility is deemed to have engaged in Third-Party Supply for its Station Power. MISO will notify the Third-Party Supplier, the Local Balancing Authority, and the Facility of the negative Net Output volume. The Generation Owner does not incur any additional Transmission Service charges to provide such Station Power, provided that the applicable retail rate or tariff includes charges for Transmission Service. Otherwise, the Generation Owner will incur Non-Firm Point-to-Point Transmission Service charges from MISO for the negative Net Output volume of the Facility.

5.6 Remote Self Supply

When the Net Output of a Remote Self Supply Facility is positive, the Generation Owner will be deemed not to have used Station Power, and will not incur any additional charges for, Transmission Service to provide its Station Power. If a Remote Self Supply Facility has negative Net Output, then its Net Output is aggregated with the Net Output of the remote Facility(s) identified during registration. If the Net Output of the remote Facility(ies) is negative, it is not aggregated with the Facility Net Output, as no self-supply occurred. If the aggregated Net Output is positive, then the Generation Owner is deemed to have self-supplied the Facility with its remotely owned Facility(s). The Generation Owner will incur Non-Firm Point-to-Point Transmission Service charges from MISO for the negative Net Output volume of the Facility. If the aggregated Net Output is negative, the Facility is deemed to have engaged in Third-Party Supply for its Station Power in the amount equal to the aggregated Net Output. MISO will notify the Third- Party Supplier, the Local Balancing Authority, and the Facility of the aggregated negative Net Output volume. The Generation Owner does not incur any additional Transmission Service charges to provide such Station Power, provided that the applicable retail rate or tariff includes charges for Transmission Service. Otherwise, the Generation Owner will incur Non-Firm Point-to-Point Transmission Service charges from MISO for the aggregated negative Net Output volume of the Facility. Any portion of that Facility's negative Net Output that was self-supplied by the remote Facility(ies) will incur Non-Firm Point-to-Point Transmission Service charges from MISO.

The following table illustrates Remote Self-Supply scenarios. Note that signs are reversed from the way Settlements would view them:



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Facility Net Output	Remote(s) Net Output	Aggregate Net Output	Transmission Charges	Comments
200	N/A	N/A	0	No Station Power
-200	500	300	-200	Self-Supplied with Remote Source
-200	50	-150	-50 -150	Partially Self-Supplied with Remote Third-Party Supply*
-200	-100	N/A	-200	Third-Party Supply*

Table 1

*If Third-Party Supply does not include charges for Transmission Service, MISO would charge this amount.

5.7 Third-Party Supply

When the Net Output of a Third-Party Supply Facility is positive, the Generation Owner will be deemed not to have used Station Power, and will not incur any additional charges for, Transmission Service to provide its Station Power. When the Net Output of a Third-Party Supply Facility is negative, MISO will notify the Third-Party Supplier, the Local Balancing Authority, and the Facility of the negative Net Output volume. The Generation Owner does not incur any additional Transmission Service charges to provide such Station Power, provided that the applicable retail rate or tariff includes charges for Transmission Service. Otherwise, the Generation Owner will incur Non-Firm Point-to-Point Transmission Service charges from MISO for the negative Net Output volume of the Facility.



5.8 Transmission Settlements

When a Generation Owner self-supplies a Facility with its remotely owned Facility(s) or utilizes Third-Party Supply that does not include charges for Transmission Service, the Generation Owner will incur Non-Firm Point-to-Point Transmission Service charges from MISO for the negative Net Output volume of the Facility. The volume will be subject to the following Tariff Schedules:

Schedule 8 – Non-Firm Point-to-Point Transmission Service

Schedule 10 – ISO Cost Recovery Adder (Energy and Demand)

Schedule 26 – Network Upgrade Charge for Transmission Expansion

The following table summarizes the energy, transmission, and other charges that may be applicable to Station Power service:

Station Power Type	Energy Charge	Transmission Charge	Ancillary Services Charge	Other Charges
On-site Self-Supply	Wholesale (LMP)	No	Yes	Schedule 3, 5, 6, 17, 24
Remote Self-Supply	Wholesale (LMP)	Non-Firm Point-to-Point ¹	Yes	Schedules 3, 5, 6, 17, 24 Schedules 8, 10, 26
Third-Party Supply	Wholesale (LMP)	No ¹	Yes	Schedules 3, 5, 6, 17, 24

Table 2

¹ Unless the Generation Owner makes other transmission service arrangements in advance per Section III of Schedule 20.

¹ If Transmission Service charges are covered under the third-party supplier's retail rate or tariff, other permissible arrangements with the Transmission Owner, or existing rights to use ITC's facilities.