



Manual No. 019

Business Practices Manual
Monthly Transmission Billing,
Cash Clearing and Revenue
Distributing



Monthly Transmission Billing, Cash Clearing and Revenue Distributing Business Practices Manual

BPM-019-r6

Effective Date: MAR-25-2016

Disclaimer

This document is prepared for informational purposes only to support the application of the provisions of the Open Access Transmission, Energy and Operating Reserve Markets Tariff (Tariff) of the Midcontinent Independent System Operator, Inc. (MISO), Tariff and the services provided under the Tariff. MISO may revise or terminate this document at any time at its discretion without notice. However, every effort will be made by MISO to update this document and inform its users of changes as soon as practicable. Nevertheless, it is the user's responsibility to ensure you are using the most recent version posted on the MISO website. In the event of a conflict between this document and the Tariff, the Tariff will control, and nothing in this document shall be interpreted to contradict, amend or supersede the Tariff. If any such conflict pertains to a NERC Reliability Standard or term referenced in this document, the MISO Tariff shall govern unless or until FERC orders otherwise. Any perceived conflicts should be reported to the Legal Department.

This Business Practices Manual (BPM) contains information to augment the filed and accepted Tariff. In all cases the Tariff is the governing document and not the BPMs. Additionally, if not otherwise defined herein, all capitalized terms in this BPM have the meaning as defined in the Tariff.



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Revision History

Doc Number	Description	Revised by:	Effective Date
BPM-019-r6	Annual Review completed. Updated Schedules and removed banking information.	J. Ross	MAR-25-2016
BPM-019-r5	Annual Review completed	R. Baker	MAR-01-2015
BPM-019-r4	Annual Review completed.	R. Baker	MAR-01-2014
BPM-019-r3	Annual Review completed.	R. Baker	MAR-01-2013
BPM-019-r2	Annual Review completed JUL-09-2010	M. Cover	JAN-06-2009
FIN-BPM-001-r2	Revised to reflect the Open Access Transmission, Energy and Operating Reserve Markets Tariff for MISO. (Tariff) relating to implementation of the Day-Ahead and Real-Time Energy and Ancillary Services Markets and to integrate proposed changes to the Balancing Authority Agreement.	T. Manship	JAN-06-2009
FIN-BPM-001-r1	Corrected to Manual No. 19	C. Jack	APR-02-2008



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1. Introduction

This introduction to the Midcontinent Independent System Operator, Inc. (MISO) *Business Practices Manual (BPM) for Monthly Transmission Billing, Cash Clearing and Revenue Distribution* 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 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, provision 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 the procedure and business processes for MISO's billing and accounting function for monthly Transmission Service.

This *BPM for Monthly Transmission Billing, Cash Clearing and Revenue Distribution* also demonstrates the correlation between settlement, disputes resolution and billing. This BPM is intended to guide both internal and external parties. The audience may include the following:

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



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1.3. References

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

- Open Access Transmission, Energy and Operating Reserve Markets Tariff for MISO
- Agreement of Transmission Facilities Owners to Organize the Midcontinent Independent System Operator, Inc. (the MISO Agreement)
- BPM for Transmission Settlements Billing Dispute Resolution
- BPM for Transmission Settlements



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2. Monthly Billing

On a monthly basis, the transmission settlement system calculates charges due and revenue distribution based on settlement formulas described in detail in the BPM for Transmission Settlements. The monthly settlements run estimates a customer's cost and Transmission Owner's revenue for Schedules 7, 8 and 9 and all related services. These services include Schedules 1, 2 and 10, and losses. The supporting data and calculations can reach very detailed levels due to the nature and complexity of the settlement formulas.

The transmission settlement system retrieves necessary data from databases to calculate charges due and revenue distributions for a month. This process is performed twice.

- A trial run is available for MISO customers to review two (2) business days after the end of a month of service. This is commonly referred to as the Day 2 run.
- Three (3) business days later, the settlement system produces a final run, which is summarized and invoiced (commonly referred to as the "Day 5" run). A customer's information is communicated in a detailed Excel file, in conjunction with the invoice presentment. The actual invoice is summarized into line items by each Schedule number.

During the monthly billing process, the MISO Finance Department releases three separate invoices for payment. The first invoice relates to services for which MISO will settle, bill, collect and distribute revenues onto the Transmission Owners pertaining to Firm and Non-Firm/PTP service (TO Trust invoice). The second invoice is known as the "pass through" or Non-TO Trust invoice; this is where resettlements come through. The third invoice relates to Schedule 10 costs (the service charge for recovering costs associated with running MISO), which are not recovered under Schedule 1. These costs are captured within a separate invoice line item, Schedule 10, and include: 1) costs associated with the MISO control center, including capital costs and budgeted expenses and 2) costs for administering the MISO Tariff.



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2.1. Transmission Owners Trust

The TO Trust invoice was created in order to provide protection to the Transmission Owners funds settled by MISO. The implementation of the TO Trust required a third invoice to be created. This invoice, described in more detail later, breaks out the firm and non-firm point-to-point Transmission Service from the “pass through” and Ancillary Service charges that are now contained in the Non-TO Trust invoice.

Some monthly charges for actual Network Integration Transmission Services are resettled with a 1 to 2 month lag because Network Load cannot be determined until 30 to 60 days after the close of the month. Estimated Load values are used to bill if actual Load data is not available.

2.2. Schedule 10 Invoice

Schedule 10 services are assessed on Reserved Capacity or Network Load associated with Schedule 7, 8, and 9 Transmission Service reservations. A sample invoice, along with a description of each item, is provided below. For more detail pertaining to the calculation and explanation of Schedule 10, please reference the *BPM for Transmission Settlements*.



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LOGO 1		Midcontinent Independent System Operator, Inc.																	
Invoice		Invoice Number: 0000000010 2																	
Attn: Accounts Payable COMPANY 123 TRANSMISSION AVE 3 CARMEL, IN 46032		Date	08-JAN-13 4																
		Customer ID	NERC 5																
		Purchase Order																	
<table border="1"><thead><tr><th>Description</th><th>Total</th></tr></thead><tbody><tr><td>Schedule 10 FERC Demand Charges for June XXXX -- 147,387.44 mWh * \$0.0451 =</td><td>\$ 6,647.17</td></tr><tr><td>Schedule 10 FERC Demand Charges for June Native Load -- 403,936.75 mWh * \$0.0451 =</td><td>18,217.55</td></tr><tr><td>6 Schedule 10 Demand Charges for June Customer XXXX -- 147,387.44 mWh * \$0.0599 =</td><td>8,828.51</td></tr><tr><td>Schedule 10 Energy Charges for June Customer XXXX -- 101,524.95 mWh * \$0.0922 =</td><td>9,360.61</td></tr><tr><td>Schedule 10 Demand Charges for June Native Load -- 403,936.75 mWh * \$0.0599 =</td><td>24,195.81</td></tr><tr><td>Schedule 10 Energy Charges for June Native Load -- 281,745.88 mWh * \$0.0922 = 11</td><td>25,976.97</td></tr><tr><td colspan="2">TOTAL \$ 93,226.62 7</td></tr></tbody></table>				Description	Total	Schedule 10 FERC Demand Charges for June XXXX -- 147,387.44 mWh * \$0.0451 =	\$ 6,647.17	Schedule 10 FERC Demand Charges for June Native Load -- 403,936.75 mWh * \$0.0451 =	18,217.55	6 Schedule 10 Demand Charges for June Customer XXXX -- 147,387.44 mWh * \$0.0599 =	8,828.51	Schedule 10 Energy Charges for June Customer XXXX -- 101,524.95 mWh * \$0.0922 =	9,360.61	Schedule 10 Demand Charges for June Native Load -- 403,936.75 mWh * \$0.0599 =	24,195.81	Schedule 10 Energy Charges for June Native Load -- 281,745.88 mWh * \$0.0922 = 11	25,976.97	TOTAL \$ 93,226.62 7	
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TOTAL \$ 93,226.62 7																			
<div><div>Electronic Payment Instructions: ACH Payments JP Morgan Chase Bank, NA Indianapolis, IN ABA: 074000010 ACCT: 633708425</div><div>Wire Instructions JP Morgan Chase Bank, NA Indianapolis, IN ABA: 021000021 ACCT: 633708425</div><div>International Wire Instructions JP Morgan Chase Bank, NA Indianapolis, IN Swift Code: CHASUS33 ABA: 021000021 ACCT: 633708425</div></div> <div>Remittance Information: Payment Terms: 7 NET 9 Invoice Due Date: 15-JUL-11 If the invoice due date falls on a Saturday, Sunday or holiday, the invoice payment is due on the following business day. Remittance Address: MISO Accounts Receivable P.O. Box 4202 Carmel, IN 46082-4202 Billing Customer Service: AccountsReceivable@misoenergy.org Federal Tax ID #43-1827033 10</div>																			
>> P.O. Box 4202 >> Carmel, Indiana 46082-4202 >> 317-249-5400 >> www.misoenergy.org >>																			



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1. **Logo:** The MISO corporate logo.
2. **MISO invoice Number:** This number serves as an internal and external tracking tool. The Schedule 10 invoice ends in "10".
3. **The customer's name and billing address:** As provided to MISO through customer registration, this information, in addition to the customer's NERC ID and the contact person, will be used for identification purposes.
4. **The Invoice Date:** This documents at which point the payment terms start. The invoice in this example would be due for remittance within 7 calendar days from January 8, 2013. That would be January 15, 2013. If the due date falls on a Saturday, Sunday or MISO holiday, the actual due date would fall to the next official business day.
5. **NERC ID:** This is used as an internal tracking and identification tool. This information is also provided to MISO through the customer registration department.
6. **Schedule 10 – ISO Cost Adder:** Each Transmission Customer shall pay a charge (on a per MWh basis) developed based upon: 1) determination of the Monthly Charge; and 2) payments applicable to withdrawing owners. This charge shall be calculated based on budgeted costs and expected transactions trued up each month to reflect actual costs and transactions. These charges are detailed out on the Cost Adder tab of the related Excel charge file (MC) that is emailed with the PDF invoice.
7. **Total:** The sum of all charges and credits.
8. **Electronic Payment Instructions:** As required by the Tariff, "All payments shall be made in immediately available funds payable to the Transmission Provider or by wire transfer to a bank named by the Transmission Provider." The electronic funds information is MISO's bank account number where electronic funds and/or wires can be deposited. It is important to note that the wiring or ACH transmittal of funds for the Schedule 10 & Non-Trust invoices will go to a different account than the Trust invoice.
9. **Payment Terms:** As discussed above, all invoices are due to MISO within seven (7) calendar days of the invoice date. This section of the invoice also documents the calculated due date for payment. If the due date falls on a Saturday, Sunday or MISO holiday, the actual due date would fall to the next official business day.
10. **Federal Tax ID:** MISO tax identification number is provided for informational purposes.
11. **FERC Schedule 10:** In an effort to alleviate efforts to collect an annual amount for FERC Schedule 10, MISO has included an additional line to the Schedule 10 invoice to include the estimated cost of the FERC annual invoice. This invoice is typically sent to MISO around August and is based on the prior year transmission Load for



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Schedule 10. Since these are estimates, a true up line will be associated with this invoice as well.

Non-Trust Invoice

The Non-Trust invoice is comprised mainly of Ancillary Services that are mandatory for all customers taking Transmission Services from MISO. These support services are used to help operate, and to maintain the reliability and security of, the transmission grid. A sample invoice, along with a description of each item on a MISO invoice, is provided below. For more detail pertaining to the calculation and explanation of Schedule charges, please reference the *BPM for Transmission Settlements*.



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LOGO 1		Midcontinent Independent System Operator, Inc.	
Invoice		Invoice Number: 0000000002 2	
Attn: Accounts Payable COMPANY 123 TRANSMISSION AVE 3 CARMEL, IN 46032		Date 08-JAN-13 4	Customer ID NERC 5
Purchase Order			

Description	Total
Schedule 01 Charges for Billing Period January 6	\$ 22,840.85
Schedule 01 Charges for Billing Period January for Manitoba Hydro*	0.00
Schedule 02 Charges for Billing Period January 7	36,440.40
Schedule 02 Charges for Billing Period January for Manitoba Hydro*	0.00
Schedule 03 Charges for Billing Period January 8	0.00
Schedule 03 Charges for Billing Period January for Manitoba Hydro*	0.00
Schedule 05 Charges for Billing Period January 9	0.00
Schedule 05 Charges for Billing Period January for Manitoba Hydro*	0.00
Schedule 06 Charges for Billing Period January 10	0.00
Schedule 06 Charges for Billing Period January for Manitoba Hydro*	0.00
Schedule 11 Charges for Billing Period January 11	130,753.41
Schedule 11 Charges for Billing Period January for Manitoba Hydro*	0.00
Schedule 26A(MVP) Charge True-ups for Billing Period January 12	508.44
Schedule 26B Charges for Billing Period January 13	0.00
Schedule 33 Charges for Billing Period January 14	200.17
Schedule 41 Charges for Billing Period January 15	0.00
Schedule 42A Charges for Billing Period January 16	0.00
Schedule 47 Charges for Billing Period January 17	3,113.81
TOTAL	193,857.08

MISO, as agent for Transmission Owners, is submitting this invoice for transactions on the Transmission System of MISO, and as agent is obligated to collect and distribute monies for transmission service from customers in accordance with the OATT and the Owners Agreement. 18

*MISO, as billing agent for Manitoba Hydro, is also submitting this invoice for charges for transmission service provided by Manitoba Hydro under the Manitoba Hydro Open Access Transmission Tariff (MHOATT). Payment of MHOATT charges shall be governed by the Service Agreement between the Transmission Customer and Manitoba Hydro executed pursuant to the MHOATT.

Electronic Payment Instructions:

ACH Payments JP Morgan Chase Bank, NA Indianapolis, IN ABA: 074000010 ACCT: 633708425	Wire Instructions JP Morgan Chase Bank, NA Indianapolis, IN ABA: 021000021 ACCT: 633708425	International Wire Instructions JP Morgan Chase Bank, NA Indianapolis, IN Swift Code: CHASUS33 ABA: 021000021 ACCT: 633708425
--	---	---

Remittance Information:

Payment Terms	20 7 NET
Invoice Due Date	13-FEB-15
If the invoice due date falls on a Saturday, Sunday or holiday, the invoice payment is due on the following business day.	
Remittance Address	21 MISO Accounts Receivable P.O. Box 4202 Carmel, IN 46082-4202
Billing Customer Service	22 AccountsReceivable@misoenergy.org Federal Tax ID #43-1827033

>> P.O. Box 4202 >> Carmel, Indiana 46082-4202 >> 317-249-5400 >> www.misoenergy.org >>



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1. **Logo:** The MISO corporate logo.
2. **MISO Invoice Number:** This number serves as an internal and external tracking tool. The non-trust invoice ends in "02".
3. **The customer's name and billing address:** As provided to MISO through customer registration, in addition to the customer's NERC ID. The contact person will be used for identification purposes.
4. **The Invoice Date:** This documents at which point the payment terms start. As such, the invoice in this example would be due for payment within 7 calendar days from January 8th, 2013. That would be January 15th, 2013. If the due date falls on a Saturday, Sunday or MISO holiday, the actual due date would fall to the next official business day.
5. **NERC ID:** This is used as an internal tracking and identification tool. This information is also provided to MISO through the customer registration department.

MISO accounts for a set of support services called Ancillary Services. These services are used to both operate, and maintain the reliability and security of, the transmission grid. The following Ancillary Services are mandatory for all customers taking Transmission Service from MISO:

6. **Schedule 1: Scheduling, System Control, and Dispatch Service;** scheduling and administering the movement of power into, out of, through, or within the MISO Balancing Authority Area.
7. **Schedule 2: Reactive Supply and Voltage Control from Generation or Other Sources Service;** operating generating facilities to produce reactive power to maintain transmission voltages within acceptable limits.

The following Ancillary Services are required but may be purchased from MISO, either directly from the Energy and Operating Reserve Markets or through Qualified Resource Self-Scheduling of Operating Reserve, or purchased through alternative comparable arrangements. Settlement of these Ancillary Services is performed by MISO as part of the Ancillary Services Market effective January 6, 2009.

8. **Schedule 3: Regulation and Frequency Response Service;** Committing on-line Generation whose output is raised or lowered as necessary to follow the moment-to-moment changes in Load. This service is required to provide for continuous balancing and for maintaining scheduled interconnection frequency at 60Hz.
9. **Schedule 5: Spinning Reserve;** The amount of generating capacity needed to serve Load immediately in the case of a system contingency. This may be provided by Generation that is on-line and loaded less than capacity.



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- 10. Schedule 6:** *Supplemental Reserve*; The amount of generating capacity needed to serve Load within a short period of time (10-30 minutes) in the case of a system contingency. This may be provided by generation that is on-line and loaded less than capacity, by quick-start generation, or by designated interruptible loads.

When a MISO Transmission Customer requests any of the MISO Transmission Services that require the use of Distribution Facilities owned by a MISO Transmission Owner, the individual Transmission Owner provides the Transmission Customer with Wholesale Distribution Service as necessary to support the requested MISO Transmission Service.

- 11. Schedule 11:** *Wholesale Distribution Service*; the mechanism by which Transmission Settlements makes prior period adjustments. It is also where Transmission Owners have the ability to pass through charges to their customers instead of issuing their own invoices. There are only a few Transmission Owners that use this.
- 12. Schedule 26A:** *Multi-Value Project Cost Recovery*: Prior period Schedule 26A adjustments are reflected on the Non-TO Trust invoice.
- 13. Schedule 26B:** *Shared Network Upgrade Charge*; *One time charge assessed to an Interconnection Customer with Shared Network Upgrade(s) as defined in Attachment X, subject to Option 2 under Attachment FF.*
- 14. Schedule 33:** *Blackstart Service*: Transmission charge to facilitate reliable and complete system restoration following a shutdown of the bulk power Transmission System.
- 15. Schedule 41:** *Charge to Recover Costs of Entergy Storm Securitization Charges from Entergy Operating Companies' Pricing Zones*: MISO mechanism for collecting storm securitization charges from reservations sinking in Entergy.
- 16. Schedule 42A:** *Charge to Recover Accrued and Paid Interest Associated with Prepayments from Entergy Operating Companies' Pricing Zones*: MISO mechanism for collecting accrued and paid interest associated with prepayments for network upgrades to the Entergy Operating Companies
- 17. Schedule 47:** *Entergy Operating Companies MISO Transition Cost Recovery*: MISO mechanism for recovery of the deferred operation and maintenance costs and accrued carrying charges accumulated by the Entergy Operating Companies related to their integration into MISO. This schedule became effective June 1, 2014.
- 18. Agency Wording:** This wording is only included on the Pass Through invoice and it documents MISO's relationship to the Transmission Owner as a billing agent
- 19. Electronic Payment Instructions:** As required by the Tariff, "All payments shall be made in immediately available funds payable to the Transmission Provider or by wire transfer to a bank named by the Transmission Provider." The electronic funds



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information is MISO's bank account number where electronic funds and/or wires can be deposited. On an actual bill it is important to note that the wiring or ACH transmittal of funds for the Schedule 10 & Non-Trust invoices will go to a different account than the Trust invoice.

20. Payment Terms: As discussed above, all invoices are due for payment to MISO within seven (7) calendar days of the invoice date. This section of the invoice also documents the calculated due date for payment. If the due date falls on a Saturday, Sunday or holiday, the actual due date would fall on the next official business day.

21. Billing Customer Service: MISO is dedicated to providing excellent customer service. If any customer has any questions regarding its invoice and/or billing information, it should feel free to contact MISO's customer service representative.

22. Federal Tax ID: MISO tax identification number is provided for informational purposes.

2.3. TO Trust Invoice

This particular invoice contains the base Transmission Services. A sample invoice, along with a description of each item on your MISO invoice, is provided below. For more detail pertaining to the calculation and explanation of Schedule charges, please refer to the *BPM for Transmission Settlements*.



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LOGO 1		Midcontinent Independent System Operator, Inc.																																							
Invoice		Invoice Number: 0000000001 2																																							
Attn: Accounts Payable COMPANY 123 TRANSMISSION AVE 3 CARMEL, IN 46032		Date 08-JAN-13 4	Customer ID NERC 5																																						
Purchase Order																																									
<table border="1"><thead><tr><th>Description</th><th>Total</th></tr></thead><tbody><tr><td>Schedule 07 Charges for Billing Period January 6</td><td>\$ 0.00</td></tr><tr><td>Schedule 07 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 08 Charges for Billing Period January 7</td><td>0.00</td></tr><tr><td>Schedule 08 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 09 Charges for Billing Period January 8</td><td>892,163.08</td></tr><tr><td>Schedule 09 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 26 Charges for Billing Period January 9</td><td>75,368.88</td></tr><tr><td>Schedule 26 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 26A(MVP) Charge Initial for Billing Period January 10</td><td>39,633.64</td></tr><tr><td>Schedule 36 Charges for Billing Period January 11</td><td>0.00</td></tr><tr><td>Schedule 36 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 37 Charges for Billing Period January 12</td><td>0.00</td></tr><tr><td>Schedule 37 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 38 Charges for Billing Period January 13</td><td>0.00</td></tr><tr><td>Schedule 38 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>Schedule 45 Charges for Billing Period January 14</td><td>0.00</td></tr><tr><td>Schedule 45 Charges for Billing Period January for Manitoba Hydro*</td><td>0.00</td></tr><tr><td>TOTAL</td><td>\$ 1,007,165.60</td></tr></tbody></table>				Description	Total	Schedule 07 Charges for Billing Period January 6	\$ 0.00	Schedule 07 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 08 Charges for Billing Period January 7	0.00	Schedule 08 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 09 Charges for Billing Period January 8	892,163.08	Schedule 09 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 26 Charges for Billing Period January 9	75,368.88	Schedule 26 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 26A(MVP) Charge Initial for Billing Period January 10	39,633.64	Schedule 36 Charges for Billing Period January 11	0.00	Schedule 36 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 37 Charges for Billing Period January 12	0.00	Schedule 37 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 38 Charges for Billing Period January 13	0.00	Schedule 38 Charges for Billing Period January for Manitoba Hydro*	0.00	Schedule 45 Charges for Billing Period January 14	0.00	Schedule 45 Charges for Billing Period January for Manitoba Hydro*	0.00	TOTAL	\$ 1,007,165.60
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Schedule 45 Charges for Billing Period January for Manitoba Hydro*	0.00																																								
TOTAL	\$ 1,007,165.60																																								
MISO, as agent for Transmission Owners, is submitting this invoice for transactions on the Transmission System of MISO, and as agent is obligated to collect and distribute monies for transmission service from customers in accordance with the OATT and the Owners Agreement. 15																																									
*MISO, as billing agent for Manitoba Hydro, is also submitting this invoice for charges for transmission service provided by Manitoba Hydro under the Manitoba Hydro Open Access Transmission Tariff (MHOATT). Payment of MHOATT charges shall be governed by the Service Agreement between the Transmission Customer and Manitoba Hydro executed pursuant to the MHOATT.																																									
Electronic Payment Instructions: *** ATTENTION: This payment must be sent to the trust account noted below. ***																																									
<u>ACH Payments</u>		<u>Wire Instructions</u>																																							
JP Morgan Chase Bank, NA Indianapolis, IN ABA: 074000010 ACCT: 708360607		JP Morgan Chase Bank, NA Indianapolis, IN ABA: 021000021 ACCT: 708360607																																							
<u>International Wire Instructions</u>																																									
JP Morgan Chase Bank, NA Indianapolis, IN Swift Code: CHASUS33 ABA: 021000021 ACCT: 708360607																																									
<u>Remittance Information:</u>																																									
Payment Terms		7 NET																																							
Invoice Due Date		13-FEB-15																																							
If the invoice due date falls on a Saturday, Sunday or holiday, the invoice payment is due on the following business day.																																									
Remittance Address		MISO Accounts Receivable P.O. Box 4202 Carmel, IN 46082-4202																																							
Billing Customer Service		AccountsReceivable@misoenergy.org																																							
		Federal Tax ID #43-1827033																																							
>> P.O. Box 4202 >> Carmel, Indiana 46082-4202 >> 317-249-5400 >> www.misoenergy.org >>																																									



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1. **Logo:** The MISO corporate logo.
2. **MISO Invoice Number:** This number serves as an internal and external tracking tool. The trust invoice ends in "01".
3. **The customer's name and billing address:** As provided to MISO through customer registration, this information in addition to the customer's NERC ID; the contact person will be used for identification purposes.
4. **The Invoice Date:** This documents at which point the payment terms start. As such, the invoice in this example would be due for payment within 7 calendar days from January 8th, 2013. That would be January 15th, 2013. If the due date falls on a Saturday, Sunday or MISO holiday, the actual due date would fall on the next official business day.
5. **NERC ID:** This is used as an internal tracking and identification tool. This information is also provided to MISO through the customer registration department.
6. **Schedule 7: Firm Point-to-Point Transmission Service;** Transmission Service under the MISO Tariff that is reserved between specified Points of Receipt and Delivery pursuant to Module B of the Tariff. The minimum term is one day and the maximum duration is specified in the service agreement.
7. **Schedule 8: Non-Firm Point-to-Point Transmission Service;** Transmission Service under the MISO Tariff that is reserved on an as-available basis and is subject to Curtailment or Interruption as set forth in Module B. Non-Firm Point-to-Point service is available on a stand-alone basis for periods ranging from one hour to one month.
8. **Schedule 9: Network Integration Transmission Service;** Transmission Service that allows Network Customers to efficiently and economically utilize their Network Resources (as well as other non-designated generation resources) to serve their Network Load located in a Transmission Owner's Local Balancing Authority or pricing zone pursuant to the rates, terms, and conditions set forth in Module B.
9. **Schedule 26: Network Upgrade Charge from Transmission Expansion Plan.** Transmission charge for Network Upgrade Charge from Transmission Expansion Plan under the Regional Expansion Criteria and Benefits (RECB) provisions of the Tariff, which includes Attachment FF, Attachment GG and Schedule 26.
10. **Schedule 26A: Multi-Value Project (MVP):** MVP is a transmission planning and cost allocation project category for projects that qualify based on multiple reliability and/or economic criteria affecting multiple transmission zones.



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11. **Schedule 36:** *Regional Charge to Recover Costs of ITCTransmission Phase Angle Regulators from PJM and NYISO RTO Regions:* Transmission charge that provides the mechanism for recovering a portion of the revenue requirement associated with ITCTransmission's Phase Angle Regulators ("New PARs") at the Bunce Creek Station on the Michigan-Ontario interface from PJM and New York Independent System Operator ("NYISO") RTO Regions.
 12. **Schedule 37:** *MTEP Project Cost Recovery for ATSI Zone:* Transmission charge that provides the mechanism for recovering a portion of the MTEP Projects constructed or approved by the MISO Board of Directors (approved prior to ATSI exit from MISO) for construction by ATSI upon ATSI's integration into PJM.
 13. **Schedule 38:** *MTEP Project Cost Recovery for DEO/DEK Zone:* Transmission charge that provides the mechanism for recovering a portion of the MTEP Projects constructed or approved by the MISO Board of Directors (approved prior to DEO/DEK exit from MISO) for construction by DEO/DEK upon DEO/DEK's integration into PJM.
 14. **Schedule 45:** *Cost Recovery of NERC Recommendations or Essential Action:* Transmission charge that provides a mechanism for Transmission Owners who are Registered Entities registered under the NERC Functional Model to recover costs for NERC Recommendations or Essential Action projects eligible under Attachment FF, Attachment GG and Schedule 45.
 15. **Agency Wording:** This wording is only included on the Pass Through invoice and it documents MISO's relationship to the Transmission Owner as a billing agent.
 16. **Electronic Payment Instructions:** As required by the Tariff, "All payments shall be made in immediately available funds payable to the Transmission Provider or by wire transfer to a bank named by the Transmission Provider." The electronic funds information is MISO's bank account number where electronic funds and/or wires can be deposited. On a customer's actual bill it is important to note that the wiring or ACH transmittal of funds for the Schedule 10 & Non-Trust invoices will go to a different account than the Trust invoice.



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17. **Payment Terms:** As discussed above, all invoices are due for payment to MISO within seven (7) calendar days of the invoice date. This section of the invoice also documents the calculated due date for payment. If the due date falls on a Saturday, Sunday or MISO holiday, the actual due date would fall on the next official business day.
18. **Billing Customer Service:** MISO is dedicated to providing excellent customer service. If a customer has any questions regarding its invoice and/or billing information, the customer should feel free to contact MISO's customer service representative.
19. **Federal Tax ID:** MISO tax identification number is provided for informational purposes.



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3. Settlement Activity

On the fifth business day after the prior month close, the monthly settlement run will be transferred into the interface from Settlements to the general ledger system. The monthly run contains all the billing information from the month before, summarized by customer and schedule number. In the morning of the fifth business day, control totals produced by Settlements will be checked to insure the data transfer to the general ledger system was successful. At this point, account receivable invoices are created in the Oracle financials. Three invoices are created for each Transmission Customer, as needed. Electronic copies of the invoices, along with the detail monthly charge file (MC), are emailed to the customer billing contact(s). All invoice payments are due to MISO within seven calendar days from receipt of the invoice.

Due to the nature of the billing data for Point-to-Point Transmission Service, most MISO services are billable at the end of the month service was taken. Monthly charges for actual Network Integration Transmission Services are billed with a one to two month lag because Network Load cannot be determined until after (30) to (60) days after the close of the month; an estimate is used to bill if actual Load data is not available.

3.1. Invoice Presentation

Once data for the monthly settlements run has been moved to the financial system, invoices are created and then e-mailed out to each company. The email is sent to the billing contacts documented during the customer registration process. Each company that received Transmission Service in the previous month or has an adjustment from a previous settlement month will receive the Non-Trust and TO Trust invoices. If the customer is billed for Schedule 10 service, then a third invoice is emailed.

Each invoice is emailed separately, and within the email is a PDF copy of the invoice, as well as a MC file or monthly charge file. This MC file contains the details behind the specific charges contained within the invoices. There is one MC file for all of the specific customer's transmission settlements invoices.

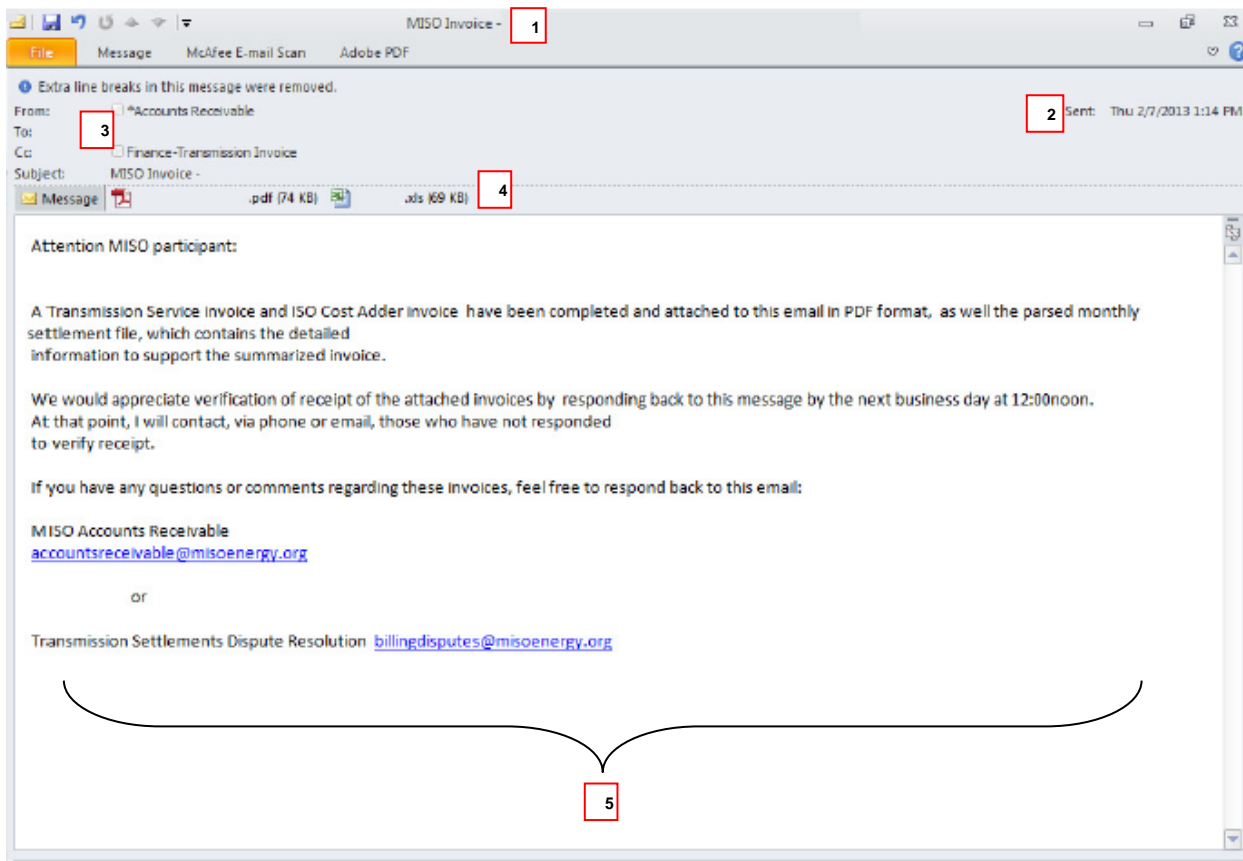


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A sample email is shown below:



Email Header: *Main Email Header*; the main header will display the NERC ID followed by the invoice number contained within this particular email, i.e., NERC 10000000002. Since this example invoice ends in 02, the reader would be able to determine that this email contained the Non-Trust invoice.

1. **Date:** *Date of Receipt*; the transmission settlement emails are sent on the fifth (5th) business day of every month.
2. **Email Recipients:** *Distribution List*; each company has the ability to designate up to 5 email recipients for Transmission related emails, which include invoices, Open Invoice Status Report (OISR), Remittance Advices, and any other communication pertaining to Transmission Service. This list can be amended by contacting AccountsReceivable@misoenergy.org and requesting a change via email (an accounts receivable associate provides customer instructions on how to execute this change).



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3. **Attachments:** *PDF Invoice & Excel MC File*; as mentioned earlier, all emails contain a PDF copy of the invoice referenced in the Email header. Each email that the Transmission Customer receives will contain an identical copy of the MC file.
4. **Email Body:** *Transmission Service Letter*; this is where a short letter is written requesting that a response via email is needed to confirm the receipt of the invoice and MC file. This is also where the reader can locate the email address for the accounts receivable department, as well as a transmission settlements dispute contact, if there are any questions regarding the Excel MC File.

3.2. Open Invoice Status Report (OISR)

On the fifth business day of the month, after the invoices are emailed to the Transmission Customers, a PDF report is also emailed to the Transmission Owners (or any entity expecting to receive funds) in order to provide them with information on an expected amount of revenue to be received when the customer invoices are paid. This report is called the Open Invoice Status Report.

This report is sorted based on pay group, Non-Trust listed first then TO Trust listed second; within these groups, the sorting is then based on Transmission Customer. As such, it only has the total dollar amount that each customer owes to the Transmission Owner. Further documentation of detailed information is available in the Excel monthly revenue file (MR file) that is posted on the FTP server. Users can access this server through Internet Explorer at, <ftp://misofp.midwestiso.org>.

If a customer receives an Open Invoice Status Report, it should not pay the balance. The responsibility for payment falls upon the customers listed on the report. The total dollar amount represents funds owed to a customer, before any manual adjustments. An example OISR has been included below, along with the following description of each item on a MISO Open Invoice Status Report:

1. Non - Trust (OISR): The segment of the OISR that contains NON Trust within the Pay Group header pertains to the Non-Trust revenue that has yet to be paid by the Transmission Customer.
2. TO Trust (OISR): The segment of the OISR that contains TO Trust within the Pay Group header pertains to the TO Trust revenue that has yet to be paid by the corresponding Transmission Customer.



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LOGO

Page: 1 of 1
Date of report: MM/DD/YYYY

Midcontinent Independent System Operator, Inc.

Open Invoice Status Report

Vendor Name: VENDOR XYZ
NERC ID: XYZ

Customer ID	Customer Name	Invoice #	Pay Group	Invoice Date	Invoice Due Date	Original Invoice Amount	Prior Payment Amount	Amount On Hold	Released For Payment Amount
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	1,452.25	0.00	1,452.25	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	74.07	0.00	74.07	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	756.07	0.00	756.07	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	42.80	0.00	42.80	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	42.96	0.00	42.96	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	43.21	0.00	43.21	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	48.56	0.00	48.56	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	49.02	0.00	49.02	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	55.08	0.00	55.08	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	55.90	0.00	55.90	0.00
NERC	CUSTOMER NAME	000000000000	TO Trust	MM/DD/YYYY	MM/DD/YYYY	11,139.02	11,082.12	56.90	0.00
Pay Group Subtotals:								\$ 2,676.82	\$ 0.00
TO Trust and Non TO Trust Totals:								\$ 2,676.82	\$ 0.00

This is not an invoice and it is not a statement documenting your outstanding invoices. Please do not pay the amount documented here. The purpose of this report is to communicate to you the outstanding invoices presented to other market participants who owe you revenue or a refund amount. When the participant(s) listed here remit their full invoice payment to MISO, you can expect the funds to be electronically sent to your account within two business days. The date of the customer invoice has been included on this report for your convenience. In addition, upon payment to your account, an electronic remittance advice will be sent to your attention notifying you of the deposit.

- Logo:** The MISO corporate logo.
- Date:** The date the report was sent; this will help log a timeline of open invoices.
- Vendor Name & NERC ID:** This is the NERC ID and Name of the organization expecting to receive funds after the cash is collected from the customer group.
- Customer ID:** These are the NERC IDs associated with outstanding amounts owed to the report owner.
- Customer Name:** These are the company names that directly correspond to the NERC IDs immediately to the left.
- Invoice Number:** This is the AR invoice number that was billed to the entity to the left, which contains revenue that is due to the report owner.
- Pay Group:** This identifies whether the monies owed is from Trust or Non-Trust invoices.
- Invoice Date:** Original date the transmission invoice was sent out.
- Invoice Due Date:** Date the invoice is due for payment to MISO.
- Original Invoice Amount:** The amount originally owed from the report owner.
- Prior Payment Amount:** If any partial payment has been made to this point, that amount would be referenced here.



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12. **Amount on Hold:** This pertains to the total amount of invoices not yet released for payment.
13. **Amount Released for Payment:** The total amount of the invoice referenced on this particular line that has been paid and released to be paid to the report owner during the next disbursement date.
14. **Report Wording:** This wording is to explain the purpose of the report and to request that entities that receive the Open Invoice Status Report not pay the balance. This report represents funds that will be paid to the report owner.

3.3. Invoice Payment Methods

All customers are expected to pay the full invoiced amount each period, per the Tariff. For all ACH Debit customers, a MISO accounts receivable associate will be responsible for executing electronic transfers from the Transmission Customer's authorized bank account to MISO at the beginning of the sixth calendar day, in order to pay all outstanding invoices. Due to the nature of ACH Debit transactions, the funds will be withdrawn from the customer's account on the morning of the seventh day. The accounts receivable analyst will also be responsible for resolving any transaction errors in the execution of the ACH transfer. If an exception is not a transaction error, the customer will be notified for proper handling. For all customers that decide to wire settlement funds directly to MISO, a MISO accounts receivable associate will be responsible for posting the cash payment in the accounts receivable system. The specific Schedule 10 & Non Trust wiring instructions can be found on their respective invoices.

All settlement customers will be required to supply information regarding a bank account number and routing number during the customer registration process, which MISO will have access to for payment transfers. The authorization forms included in the customer registration packet must be completed and returned to MISO prior to starting the reservation process. This authorization is for the sole purpose of transferring funds related to the Base Transmission Services, Ancillary Service Charges and any other charges as appropriately incurred or earned by each customer. The authority will remain in effect unless the entity notifies MISO or the bank in writing to cancel it in a reasonable amount of time.

Based on the Tariff, all invoice payments are to be received in immediately available funds. As such, check payments are not considered to be an effective method of payment on outstanding monthly Transmission Service invoices.



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Transmission Customers are not the only entities that receive invoices on the fifth business day of the month. If it is determined that a Transmission Customer was originally overcharged in a previous month, the Transmission Owner(s) that originally received the revenue will be invoiced for the refund amount. Once that entity pays the invoice, the amount of the refund will be remitted to the customer. As such, it is possible for a transmission owning entity to receive an invoice on the invoice due date.

This situation also applies to Transmission Customers receiving refunds. Transmission Owners are not the only entities to receive revenue distributions. The revenue received by a transmission entity is summarized in the remittance advices, sent out the morning the funds are disbursed. Not unlike the emails sent out for invoices, the remittance emails contain a PDF version of the advice. Though there is supporting documentation for the remittance advice, it is not contained within the email, as the file is too large to send electronically. Instead, this monthly revenue file, MR file, is located on the FTP site at: <ftp://misoftp.midwestiso.org>.



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3.4. Failed ACH Transfers

The following are two situations that can occur when investigating the cause of a failed ACH transfer. MISO is responsible for following these procedures for the type of error outlined below:

- Type 1: The dollar amount of funds received from a Transmission Customer match MISO's transaction records, but no invoice number is referenced or the invoice number referenced is incorrect.
 - Conduct research in the general ledger and receivable sub-ledger to determine the correct invoice number to be referenced based on the settlement period and dollar amount.
 - Correct any errors that may be listed in the receivable invoice entry. If the Transmission Customer has referenced an incorrect invoice number with their payment, contact the customer to make the appropriate changes.
 - Manually enter the cash receipt into the receivable sub-ledger with the correct information.
- Type 2: The dollar amount of the funds received from a Transmission Customer does not match MISO's transaction records, but the invoice number referenced is correct, or the invoice number referenced is not correct or there is no invoice number referenced.
 - Contact the Transmission Customer to determine why the ACH transfer failed:
 - If the customer was unable to make the funds available in the bank account, arrangements with the customer should be made for a wire transfer to be sent immediately, with the associated invoice number referenced.
 - If the customer is not sending full payment and no disputes have been filed:
 - a) contact with the customer will be made for research.
 - b) the customer will be notified with default language.
 - If the customer is not sending full payment because of a dispute, MISO will verify that the dispute has been logged in the Dispute Tracking system. If the dispute has not been logged, the receivable analyst will notify the dispute resolution team to log the dispute into the system. The Disputes Team will contact customers in order to ensure proper documentation and processing. At this point, the settlements system will be updated in order to reflect the disputed



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invoice. However, the Transmission Customer will be considered to be in default because full payment has not been received within two days.

3.5. Late Payments & Default

Customer payments are considered to be late if no cash is available for the ACH transfer or no cash is received by the invoice due date. In the event of a partial or no payment, the Transmission Customer will be contacted by email via a Dunning Letter to fulfill a payment deemed to be late.

MISO grants a cure period of two (2) business days after the invoice due date to allow for curing late payments. If it is determined that the customer will not make the appropriate funds available for transfer, the customer's financial assurance submitted during the customer registration process will be drawn to complete the required payment after the appropriate grace period (i.e., letter of credit, corporate guarantee or cash deposit). Upon receiving payment for a late account, MISO will run an interest calculation for interest and enter the additional interest due into Settlements, which will appear on the next month's invoice as a Schedule 11 adjustment.

MISO does not require that the customer make payment for an invoice or a group of invoices that totals less than \$25. Once the customer's outstanding transmission invoices total an amount greater than \$25, the Transmission Customer must remit payment for all outstanding Transmission Service invoices.

In accordance with Section 7.3 of the Tariff, interest on any unpaid amounts (including amounts placed in escrow) shall be calculated in accordance with the methodology specified for interest on refunds in the Commission's regulations at 18 C.F.R. § 35.19a(a)(2)(iii). Interest on delinquent amounts shall be calculated from the due date of the bill to the date of payment. When payments are made by mail, bills shall be considered as having been paid on the date of receipt by the Transmission Provider.

In accordance with Section 7.4 of the Tariff, Transmission Customers are considered to be in default if all or part of a due payment has not been paid two business days after the seventh calendar day after the invoice date. The seven calendar days consist of the normal invoice payment period, and the two business days comprise the cure period. However, as noted above, interest begins to accrue on all outstanding balances after the initial seven days.



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MISO will send Dunning Letters to customers that have not paid their bills. They may or may not include an intention to pursue a suspension and/or termination of Transmission Service, voting rights, and/or membership. In the event of a billing dispute between the Transmission Provider and a Transmission Customer, the Transmission Provider will continue to provide service under the Service Agreement as long as the Transmission Customer: (i) continues to make all payments not in dispute; and (ii) pays into an independent escrow account the portion of the invoice in dispute, pending resolution of such dispute. If the Transmission Customer fails to meet these two requirements for continuation of service, then the Transmission Provider may provide notice to the Transmission Customer of its intention to suspend service in sixty (60) days. MISO is legally able to initiate proceedings with the FERC to terminate services for a Tariff Customer once an account is in default (plus ninety days).

In the event that a customer has a history of paying their invoices late (two invoice payments past the invoice due date within a twelve month period), in accordance with Section 7.14.2 of the Tariff, the customer will be required to post Financial Security in "an amount equal to the total invoiced charges for the month with the highest total invoiced charges over the most recent twelve months, not including Past Due Amounts carried forward from a prior invoice." If the customer does not pay on time after the cash deposit is posted, MISO has the authority to draw upon that deposit to cover the unpaid invoices. An interest late fee will be assessed until the customer replenishes the deposit to the original amount.

3.5.1. Dunning Letters

The Dunning Letter is sent to late payers the business day following the invoice due date. The Dunning Letter is used to notify the Transmission Customer that it is now accumulating late payment fees in addition to the invoices that are past due. A sample Dunning Letter, along with a description of each item on the MISO letter, is provided below. These letters are sent via email and the credit department is copied on the notification.



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LOGO 1

Midcontinent Independent System Operator, Inc.

February 19, 2015

2 COMPANY
123 TRANSMISSION AVE
CARMEL, IN 46032

RE: LATE PAYMENT

ATTENTION TRANSMISSION SERVICE BILLING CONTACT

Our records indicate that the following invoice(s) are currently past due:

<u>Invoice Number</u>	<u>Invoice Date</u>	<u>Invoice Amount</u>	<u>Outstanding Amount</u>	<u>Invoice Due Date</u>
9999999999	MM/DD/YYYY	27.26	27.26	MM/DD/YYYY
9999999999	MM/DD/YYYY	.25	.25	MM/DD/YYYY

3 4 5 6 7

Late fees accrue on all invoices not paid by the Invoice Due Date.

8 COMPANY has two (2) Business Days from the Invoice Due Date stated above to pay the amounts due. If payment is not received within the two business day cure period, COMPANY will be in default.

In addition to the accrual of late fees, the tariff (please refer to Sections 7.11.1 and 7.11.2) requires a Tariff Customer to provide collateral in the event the invoice is not paid within the two business day cure period. The tariff also requires the customer to provide additional collateral should an invoice not be paid on or before the invoice due date twice during any 12 month period.

COMPANY will be in default if payments on the above-referenced invoices are not received in immediately available funds by Midwest Independent Transmission System Operator, Inc. ("MISO") by the end of the two business day cure period. In the event of a payment default, MISO will proceed with formal collection efforts against COMPANY without needing to provide COMPANY with any further notice.

Please feel free to contact us via email with any questions. Our email address is: accountsreceivable@misoenergy.org.

Thank you,

The MISO Finance Department

cc: Credit Department

>> P.O. Box 4202 >> Carmel, Indiana 46082-4202 >> 317-249-5400 >> www.misoenergy.org



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1. **Logo:** The MISO corporate logo.
2. **Address Line:** The late paying Transmission Customer is referenced here with its address.
3. **Invoice Number:** The late accounts receivable invoice number is used as an internal and external reference and tracking number.
4. **Invoice Date:** The day the invoice was originally sent out.
5. **Invoice Amount:** Total accounts receivable invoice amount.
6. **Outstanding Amount:** The amount of the original invoice amount that is still outstanding. If any partial payment or credit memos were applied, they would be reflected here.
7. **Invoice Due Date:** The date which the invoice was originally due. Once the invoice payment period has lapsed, the Transmission Customer will start to incur late charges.
8. **Body:** The body of the letter informs the Transmission Customer of its status and the actions MISO will take if the payment is not remitted to MISO within the 2 business day cure period.

3.5.2. Revenue Distribution

MISO is considered to be cash neutral. Every cash receipt MISO receives is expected to be distributed back to the Transmission Owners or appropriate recipient in a timely manner. MISO's business practice is currently set up for this to occur within one business day.

- **TO Trust Revenue Distribution:** The implementation of the TO Trust allows MISO to make two monthly revenue distributions where revenue due is paid via wire or ACH from MISO. These two days allow MISO to disburse funds to recipients of TO Trust revenue. The trust accounts are additionally used as a means for Schedule 10 short payments. It is the business practice of MISO to reduce the amount of TO Trust revenue distributed to the Transmission Owners by the amount of uncollected Schedule 10 funds. Once the Schedule 10 funds have been collected they are then reallocated back out to the Transmission Owners who were short paid originally.
- **Non-Trust Revenue Distribution:** The recipients of Non-Trust revenue will typically receive 2 main distributions. Both of these distributions will be made at the same time as the TO Trust Revenue distributions.



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For example, on the sixth calendar day after the invoice is issued, an ACH transfer is initiated to withdraw cash from the customer's accounts and the funds are debited on the morning of the seventh day and deposited into MISO's settlement account. Cash is applied to a customer's accounts receivable invoice. The following business day, the series of related accounts payable invoices linked to the accounts receivable invoices are released for payment. As such, the funds are sent the next business day via accounts payable ACH transfers.

3.5.3. Remittance Advices

On the same day that payments are sent to an entity's bank account (wire or ACH credit), an electronic Remittance Advice, in PDF format, will be emailed to the contact(s) that the entity has designated during the customer registration process. The total amount on the Remittance Advice will equal the amount of the deposit made to the entity's bank account. Following the Remittance Advice, another Open Invoice Status Report will be emailed out to further document the outstanding amount of revenue that has yet to be paid. This aid is designed to help customers of MISO understand their Remittance Advice. A description of each item on a MISO Remittance Advice is provided below. This report is sent via email, typically the morning the payment would appear in the beneficiary's account.



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3.5.4. TO Trust Remittance Advice

LOGO 1 Midcontinent Independent System Operator, Inc. 2 Page: 1 of 1
Date of report: DD-MMM-YYYY

Transmission Remittance Advice
3 (TO Trust)

PAYEE / NERC ID:
Company / NERC
123 TRANSMISSION AVE 4
CARMEL, IN 46032

5 Invoice #	6 Invoice Date	7 Description	8 Original Invoice Amt	9 Amt Previously Paid	10 Amt Still On Hold	11 Payment Amt For This Transaction
999999	DD-MMM-YYYY	NERC NON-PAYMENT OF MMDD/YY SCHEDULE 10 INVOICE	\$ 36.93	\$.00	\$.00	\$ 36.93
999999	DD-MMM-YYYY	NERC NON-PAYMENT OF MMDD/YY SCHEDULE 10 INVOICE	30.12	.00	.00	30.12
9999999999999999	DD-MMM-YYYY	March Payment of Schedule 26A(MVP) Initial	714,710.01	712,414.30	10.98	2,284.73
9999999999999999	DD-MMM-YYYY	March Payments from customer NERC	2,517.12	.00	.00	2,517.12
9999999999999999	DD-MMM-YYYY	March Payments from customer NERC	2,103.87	.00	.00	2,103.87
9999999999999999	DD-MMM-YYYY	March Payments from customer NERC	63.73	.00	.00	63.73
Report Total: \$						7,036.50

1. **Logo:** The MISO corporate logo.
2. **Date:** The date the report was sent. This will help log a timeline of open invoices.
3. **Remittance Type:** Since the implementation of the Trust, remittance advices have been altered to reflect the distribution of revenue based on whether it is from funds collected as Trust or Non-Trust.
4. **Customer Name & Address:** Lists the beneficiary's name and physical address as provided by customer registration.
5. **Invoice Number:** This is the AP invoice number that is used to remit payments to the beneficiary listed at 4.
6. **Invoice Dates:** These are the original dates the transmission invoices were sent out.
7. **Description:** Usually detailed as the monthly payment from the specific Transmission Customers for monthly payments.



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8. **Original Invoice Amount:** The amounts originally owed from the Transmission Customers listed in the description.
9. **Amount Previously Paid:** If any partial payments have already been remitted, they will be located here and used to calculate the total amount to be remitted.
10. **Amount Still on Hold:** If any payments have not yet been received, and therefore are not released for payment to the Transmission Owner/revenue recipient, those amounts would be listed here.
11. **Payment Amount for Transaction:** This column indicates the payment total for the line description, minus any previous payments or amounts still on hold.

3.5.5. Non-Trust Remittance Advice

LOGO 1

Midcontinent Independent System Operator, Inc.

Page: 1 of 1
2 Date of report: DD-MMM-YYYY

Transmission Remittance Advice
3 (Non TO Trust)

PAYEE / NERC ID:
COMPANY / NERC
123 TRANSMISSION AVE
CARMEL, IN 46032

4

5 Invoice #

6 Invoice Date

7 Description

8 Original Invoice Amt

9 Amt Previously Paid

10 Amt Still On Hold

11 Payment Amt For This Transaction

99999999999999999999	DD-MMM-YYYY	March Payment of Schedule 26A(MVP) True-ups	\$ 4,790.48	\$ 4,788.77	\$ 1.03	\$.68
99999999999999999999	DD-MMM-YYYY	March Payments from customer NERC	59.13	.00	.00	59.13
99999999999999999999	DD-MMM-YYYY	March Payments from customer NERC	419.92	.00	.00	419.92
Report Total:						\$ 479.73



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1. **Logo:** The MISO corporate logo.
2. **Date:** The date the report was sent. This will help log a timeline of open invoices.
3. **Remittance Type:** Since the implementation of the Trust, remittance advices have been altered to reflect the distribution of revenue based on whether it is from funds collected as Trust or Non-Trust.
4. **Customer Name & Address:** Lists the beneficiary's name and physical address as provided by customer registration.
5. **Invoice Number:** This is the AP invoice number that is used to remit payments to the beneficiary listed at 4.
6. **Invoice Dates:** These are the original dates the transmission invoices were sent out.
7. **Description:** Usually detailed as the monthly payment from the specific Transmission Customers for monthly payments.
8. **Original Invoice Amount:** The amounts originally owed from the Transmission Customers listed in the description.
9. **Amount Previously Paid:** If any partial payments have already been remitted, they will be located here and used to calculate the total amount to be remitted.
10. **Amount Still on Hold:** If any payments have not yet been received, and therefore are not released for payment to the Transmission Owner/revenue recipient, those unpaid amounts would be listed here.
11. **Payment Amount for Transaction:** This column indicates the payment total for the line description, minus any previous payments or amounts still on hold.

3.5.6. Payment Shortfalls

As specified by the Tariff, all customer invoices are required to be paid in full within the specified payment period.

- When invoices are not paid in full, pursuant to the Tariff and MISO's business policy, MISO shall apply cash (*i.e.*, payments collected from Transmission Customers) to the Schedule 10 invoice first, and then apply the remaining amount to the Trust & Non-Trust invoices.
- If no payment is received at all, MISO issues a Schedule 10 short payment and reduces the TO Trust revenue distribution until the payment is received.



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As further discussed in the Dispute Resolution section, all settlement charges that the Transmission Customer considers to be in dispute must be communicated to MISO through the Dispute Resolution procedures and paid based on the normal credit terms, to be held in an interest bearing escrow account until the dispute is resolved.

Once the remaining funds are received, these will be processed and remitted to the Transmission Owners.



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4. Dispute Resolution

Settlement and billing disputes may arise between MISO's Transmission Owners and Transmission Customers. While it is important that MISO remain neutral during dispute resolution, MISO has developed a management methodology in order to efficiently facilitate this process. Due to the nature of the billing disputes, these issues will always have a monetary impact and MISO is prepared to handle the dispute cash flow problems.

When a billing dispute arises:

Refer to the BPM for Transmission Settlements Billing Dispute Resolution

- Notify billingdisputes@misoenergy.org as soon as possible to begin the process of logging the dispute.
- Make payment of invoice value in full.
 - billingdisputes@misoenergy.org will coordinate with finance and accounting personnel to place disputed funds into a segregated escrow account.

Payment amounts in dispute are required to be transferred into escrow as soon as they are received and marked as "disputed". Based on the dispute's resolution, funds in escrow will be paid out to the party or parties to whom the funds are found to be due. The amount of interest to be paid to such recipient(s) is mandated by the Tariff.



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5. Frequently Asked Questions

What is the Interest Charge?

As provided by MISO's Tariff, "Interest on any unpaid amounts (not including amounts placed in a cash collateral account as Financial Security) shall be calculated in accordance with the methodology set aside for interest on refunds in the Commission's Regulations at 18 C.F.R. § 35.19a(a)(2)(iii). Interest on delinquent amounts shall be calculated from the due date of the bill to the date of payment."

How long does MISO hold the invoiced funds prior to remitting them onto the Transmission Owners (or any entity expecting to receive funds)?

MISO is considered to be cash neutral. Every cash receipt MISO receives is expected to be distributed back to the Transmission Owners (or any entity expecting to receive funds) in a timely manner. MISO is currently set up for this to occur within one business day.

What are the invoice payment terms?

NET 7 days

How many invoices will I get every month?

MISO releases at least 2, up to 3 separate invoices for payment. If a customer is not billed for Schedule 10, then it will receive an invoice for Trust and Non-Trust related services, detailed in sections 2.2 and 2.3.

If I do not agree with part of my invoice, am I required to pay it?

Yes. All customers are expected to pay the full invoiced amount each period, per the Tariff. Payment amounts in dispute are required to be transferred into escrow as soon as they are received and marked as "disputed". Based on the resolution of the dispute, funds in escrow will be paid out to the party or parties to whom they are found to be due. The escrow account will be swept nightly to earn interest. The amount of interest paid to such recipient(s) is mandated by the Tariff.

What is the invoice payment process?

Per the Tariff, all settlement funds must be received in the form of immediately available funds on the invoice due date. Cash is applied to a customer's accounts receivable invoice. An overnight process creates the payable invoice to be disbursed on the next available disbursement date.



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If funds are wired/ACH credited to my account, will I receive a Remittance Advice?

Yes. On the same day that payments are sent to an entity's bank account (wire or ACH credit), an electronic Remittance Advice, in PDF format, will be emailed to the contact(s) that the entity has designated during the customer registration process. The total amount on the Remittance Advice will equal the amount of the deposit into the entity's bank account. Following the Remittance Advice, another Open Invoice Status Report will be emailed out to further document the amount of revenue that is expected to be received.

What is an Open Invoice Status Report? If I receive one, do I have to pay it?

Immediately after new invoices are sent out or a revenue payment is made, a PDF report is also emailed to the Transmission Owners (or any entity expecting to receive funds) in order to provide them with information on an expected amount of revenue to be received when the customer invoices are paid. This report is called the Open Invoice Status Report. This report is sorted based on Transmission Customer. As such, it only has the total dollar amount that each customer owes to the Transmission Owner, prior to any manual adjustments. Further documentation of detailed information is available in the Excel revenue file (MR file) that is posted on the FTP server. Users can access this server through Internet Explorer at, **<ftp://misoftp.midwestiso.org>**. If a customer receives an Open Invoice Status Report, it should not pay the balance. The responsibility for payment falls upon the customers listed on the report. The total dollar amount represents funds owed to you, before any manual adjustments. *See section 3.2 of this BPM.*

The amount of funds I received is less than the amount listed on the remittance advice?

These discrepancies can be caused by a couple of different situations. If this has occurred, a customer should send an email to AccountsReceivable@misoenergy.org, as someone would be happy to assist.

Where can I find supporting documentation for the Open Invoice Status Report or Remittance Advice I received?

Detailed information is available in the Excel revenue file (MR file) that is posted on the FTP server. Users can access this server through Internet Explorer at, <ftp://misoftp.midwestiso.org>. A customer having trouble accessing the website should contact its customer service representative. If a customer can access the site but is having trouble locating the file, it should contact Transmission Settlements at transmissionsettlements@misoenergy.org.